



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Engineering Services Group

- **Capital Investment Plan Quarterly Report for period ending September 2024**

Summary

The attached report provides a summary of actions and accomplishments on the Capital Investment Plan (CIP) during the first 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 July to September 2024, the first quarter of fiscal year 2024/25, and the first quarter of the fiscal years 2024/25 and 2025/26 biennium.

Beginning the first quarter of the fiscal year 2024/25, the summary data table, which provided the budget vs. cost information by Program and Appropriation, will no longer contain data at the Appropriation level. With the regrouping of the Programs from thirteen Programs to ten Programs for more clarity and efficient administration and reporting of the CIP, reporting at the Appropriation level no longer provides relevant information.

Purpose

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

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

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

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

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

Attachments

Capital Investment Plan quarterly report for period ending September 2024



The Metropolitan Water District of Southern California

Capital Investment Plan Quarterly Report

July - September 2024



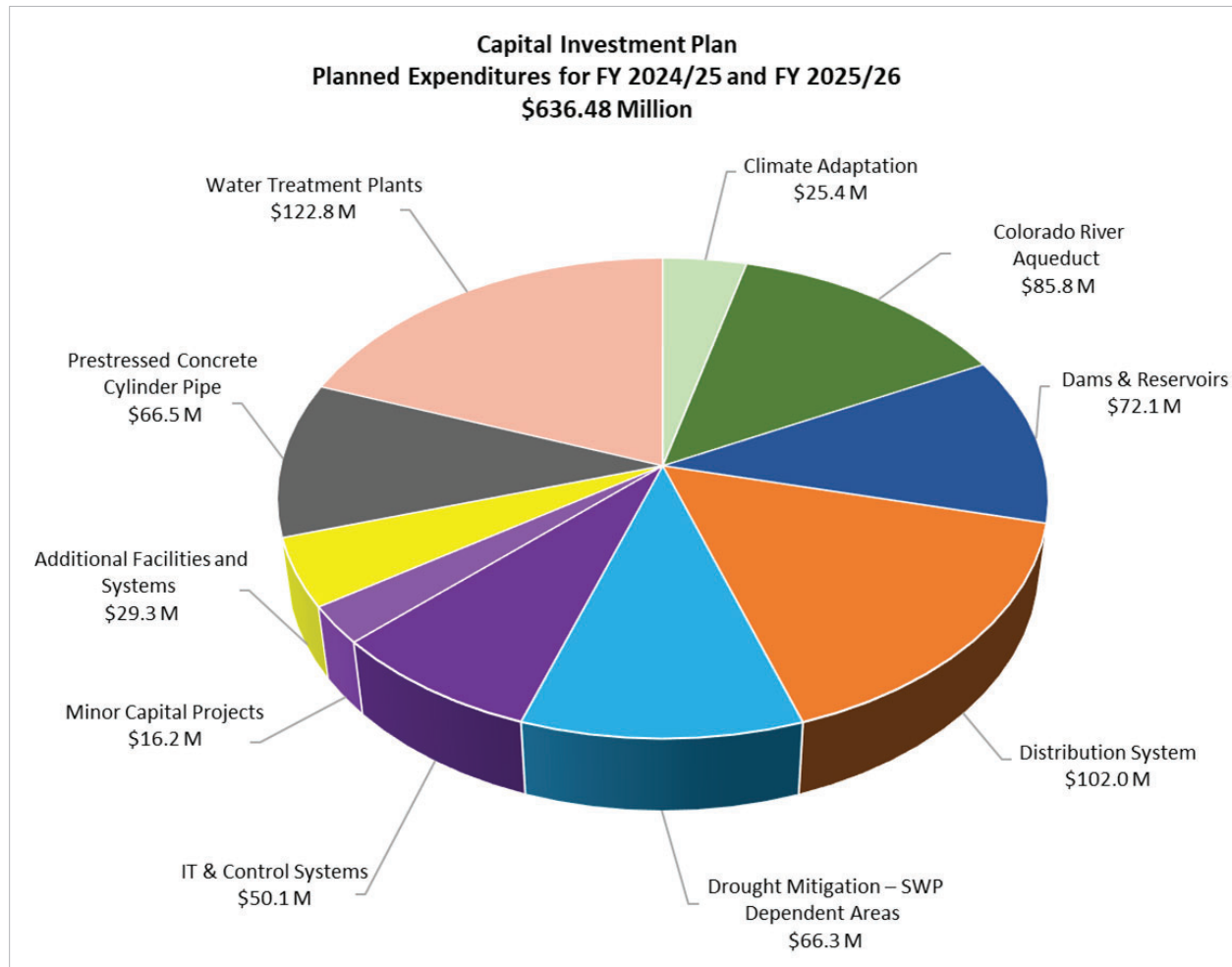
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Capital Investment Plan for Fiscal Years 2024/25 & 2025/26

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): *Badlands Tunnel Surge Protection Facility* – Placement of surge tank column concrete; *Perris Valley Pipeline I-215 Tunnel Crossing* – Preparation of casing pipe and utilities for boring operations; *La Verne Shops Building Completion - Stage 5* – Installation of the new perimeter enclosure for the existing horizontal boring spindle at La Verne Fabrication Shop]

Executive Summary

This report provides a summary of the Capital Investment Plan (CIP) activities and accomplishments during the 1st Quarter of Fiscal Year (FY) 2024/25, which ended in September 2024. CIP expenditures through the 1st Quarter totaled approximately \$107.7 million with 47 active procurement and construction contract 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 \$384.0 million, leaving approximately \$252.5 million available to be allocated during the remainder of the current biennium. Approximately \$291.5 million of the \$384.0 million was allocated for ongoing work, which was authorized prior to the start of the current biennium.

During the quarter, eleven project-specific board actions were heard in open sessions. Two construction contracts were awarded by the Board during the reporting period with a total contract amount of approximately \$3.5 million. During the same time, a total of approximately \$65.0 million in contract payments were authorized, reflecting construction progress on projects such as Allen-McColloch Pipeline PCCP Urgent Relining – Stage 2, Inland Feeder Badlands Tunnel Surge Protection Facility, Perris Valley Pipeline Interstate 215 Tunnel Crossing, Second Lower Feeder PCCP Rehabilitation – Reach 3, and Weymouth Basins 5-8 & Filter Building No. 2 Rehabilitation.

Staff continues to manage over 500 CIP projects and project spending in this and future budget cycles. Major construction projects that could potentially be started in the next three years include Phase 2 Design Build of the Sepulveda Feeder Pump Station, Lakeview Pipeline Relining – Stage 2, Sepulveda Feeder PCCP Rehabilitation – Reaches 2 and 9, Lake Matthew’s 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 will commence the next biennial CIP budget process early next year. The majority of projects are refurbishment and replacement (R&R) projects, and in each biennium, approximately 100 new projects are proposed.

Board Action Summary

During the 1st Quarter, board actions heard in open session included eleven project-specific actions summarized in Table 1 below. These actions awarded two contracts totaling approximately \$3.5 million, authorized seven new professional/technical services agreements (including On-Call Agreement) for an amount not-to-exceed approximately \$9.2 million, authorized an increase to one existing professional/technical services agreement for an amount not-to-exceed approximately \$0.2 million, authorized an increase in change order authority to one existing contract for an amount not-to-exceed approximately \$0.8 million, and authorized increases to an existing progressive design-build services agreement for an amount not-to-exceed \$40.6 million. The table below excludes information on board items heard in closed session.

Table 1: 1st Quarter Board Actions

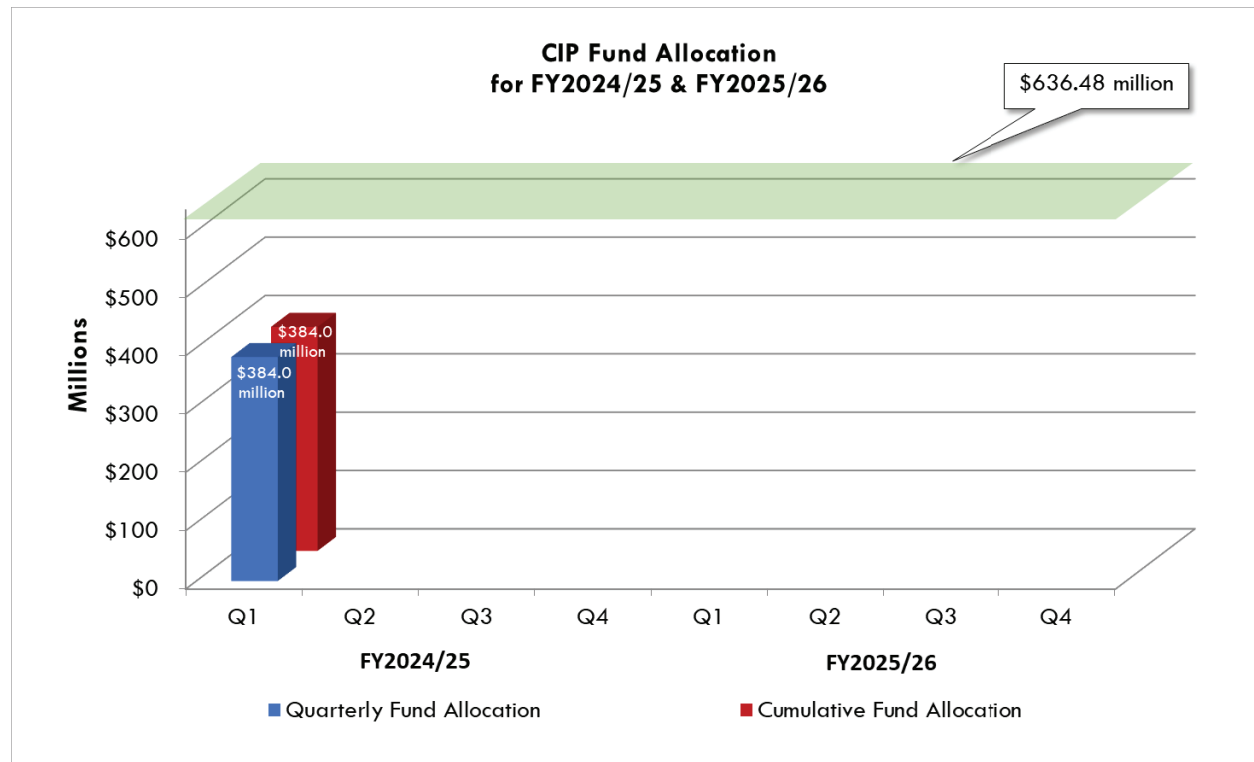
Month	Board Letter Item No.	Project	Action Taken
July	7-1	Rialto Pipeline Rehabilitation at Station 2986+30 and Rehabilitation of Service Connection CB-11	Awarded a \$2,197,460 construction contract and authorized an increase of \$150,000 to an existing agreement
July	7-2	Enterprise Data Analytics	Authorized an agreement not-to-exceed \$1,525,000
July	8-1	Sepulveda Feeder Pump Stations	Authorized an increase of \$600,000 to an existing progressive design-build services agreement for purchase of long-lead equipment

Month	Board Letter Item No.	Project	Action Taken
August	7-1	On-call Agreements for Engineering Services	Authorized four on-call agreements not-to-exceed \$1,500,000 each
August	7-2	Lake Mathews Pressure Control Structure and Electrical System Upgrades	Authorized an agreement not-to-exceed \$1,300,000
August	7-3	Wadsworth Pump Plant Bypass Pipeline	Authorized an increase of \$840,000 in change order authority to an existing construction contract
August	7-4	Inland Feeder-Foothill Pump Station Intertie	Adopted a Mitigated Negative Declaration and a resolution to accept \$5,000,000 in funding from U.S. Bureau of Reclamation's WaterSMART Drought Response Program
September	7-1	Headquarters HVAC System Rehabilitation	Authorized an agreement not-to-exceed \$400,000
September	7-2	West Valley Feeder No. 1 – Stage 3 Improvements	Adopted a Mitigated Negative Declaration
September	7-3	CRA Employee Housing Demolition and Roof Replacement	Awarded a \$1,285,000 construction contract
September	8-1	Sepulveda Feeder Pump Stations – Phase 1	Authorized an increase of \$40,000,000 to an existing progressive design-build services agreement for purchase of long-lead equipment

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 which are not already identified in the CIP Appendix, require a separate board authorization. During the 1st 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 total for the current biennium through the quarter, which is approximately \$384.0 million, leaving approximately \$252.5 million to be allocated during the remainder of the current biennium. This amount includes allocation of \$10 million to the Minor Capital Projects Program. During the 1st quarter, approximately \$80.6 million was allocated for new work authorized, approximately \$1.8 million was reallocated for work previously authorized, and approximately \$291.5 million was allocated for the ongoing work, which was authorized prior to the start of the current biennium. Details of the allocations and reallocations of funds during the reporting quarter can be found in the **Project Actions** section.

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



*Numbers may not sum due to rounding

Information on construction and procurement contracts activities for the 1st Quarter of FY 2024/25 is presented in the **Construction and Procurement Contracts** section of this report. Progress payments for these contracts in the 1st Quarter totaled approximately \$65.0 million and primarily reflect construction progress on Allen-McColloch Pipeline PCCP Urgent Relining – Stage 2, Colorado River Aqueduct (CRA) Conveyance System Level Sensor Installation, Foothill Hydroelectric Power Plant Seismic Upgrade, Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings, Inland Feeder Badlands Tunnel Surge Protection Facility, Inland Feeder/Rialto Pipeline Intertie, Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems, Perris Valley Pipeline Interstate 215 Tunnel Crossing, Second Lower Feeder PCCP Rehabilitation – Reach 3B, Wadsworth Pumping Plant Bypass Pipeline, Weymouth Water Treatment Plant Asphalt Pavement Rehabilitation, and Weymouth Basins 5-8 & Filter Building No. 2 Rehabilitation.

Planned Expenditure and Budget

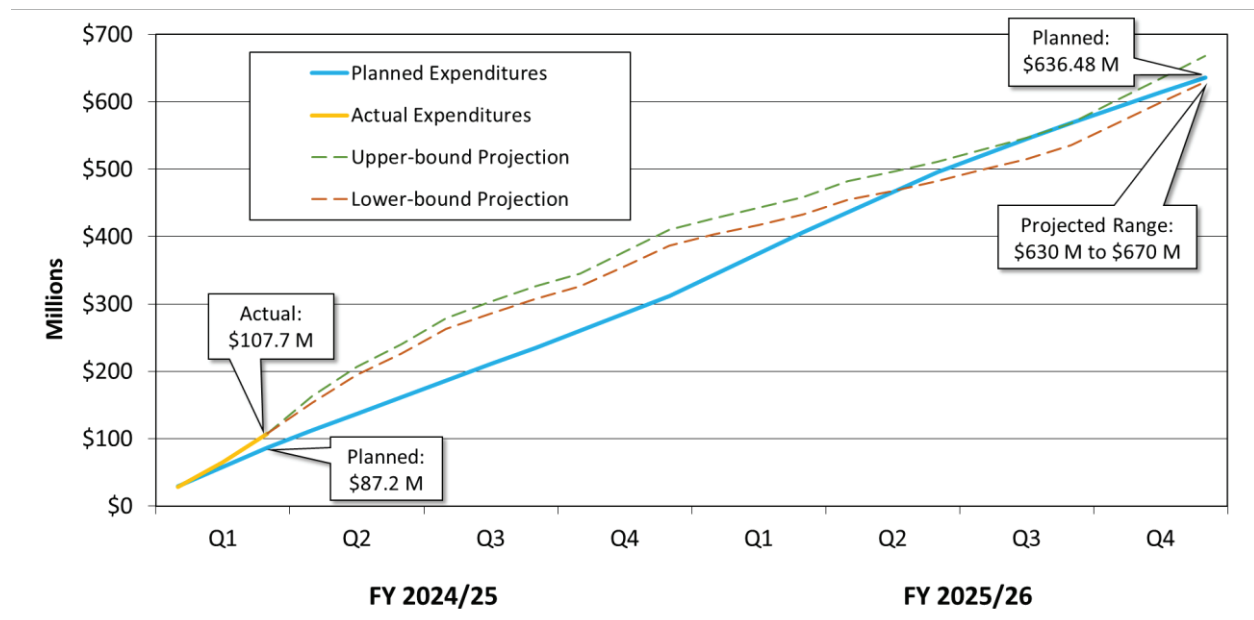
Table 2 and Figure 3 below show planned and actual expenditures for the biennium through the end of the 1st Quarter of FY 2024/25, and the forecast of expenditures through the end of the current biennium, against planned expenditures for the same time interval. Actual expenditures through the 1st Quarter of FY 2024/25 were 123.5% 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
Totals*	\$87.2	\$107.7

* Numbers may not sum due to rounding.

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 \$670 million with the actual expenditures 23.5% higher than the planned expenditures during the 1st 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 has 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 considered 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, Los Angeles County Sanitation Districts (LACSD), Southern Nevada Water Authority (SNWA), and planning to discuss with the Arizona Department of Water Resources to determine their potential contributions to the program. LACSD has agreed to be responsible for the implementation of the pretreatment and nitrogen management facilities which includes the membrane bioreactor (MBR).

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. Metropolitan would share the LSWRP grant with LACSD who would provide their share of the matching funds. Authorization to accept the grant award and approval of the LACSD agreement amendment will be brought to the Board later this year.

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 so that it will be more resilient and flexible to respond to fluctuating water supplies from each of its imported water sources and to enhance the ability to convey water throughout all its service area. Under this grant, staff will be required to submit invoices to DWR in order to receive reimbursement of expenditures that comply with the grant requirements. To date, three projects on the east side of Metropolitan's system are covered under this grant, and each of the three projects is in construction as part of an overall plan to connect Diamond Valley Lake (DVL) supplies to the Rialto Pipeline. During the reporting quarter, a progress report and invoices through June 2024 were submitted and approved by DWR for \$5.6 million. As of September 2024, a total of \$17.2 million 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 that are 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 is compiling information to prepare a National Environmental Policy Act (NEPA) document prior to initiating permit consultation process and is 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 \$10.3 million of project costs. Construction of the BESS systems is underway with Weymouth BESS construction estimated to be completed in the second half of FY 2024/25 and Jensen & Skinner BESS construction estimated to be completed in 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 Delta Island Flooded Wetlands and Rice Field System Project

In May 2023, Metropolitan's Board adopted a resolution to support a grant application for \$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 up to 1,500 acres of rice fields and design, permitting, and construction of up to 3,500 acres of wetland on the island. Unlike the funds received for Pure Water discussed above, under this grant, staff will be required to submit invoices to Delta Conservancy to receive reimbursement of expenditures that comply with the grant requirements. During the reporting quarter, the RFP solicitation to find a farming partner to convert the existing agricultural lands to rice farming closed. Staff is currently in negotiations with a farming partner. Metropolitan Board action to award a farming lease agreement is expected in the winter of 2024. Wetland design is ongoing with preliminary design expected to be completed during the next quarter. Final design and permitting of the wetlands are estimated to be completed in the summer of 2025, and construction is estimated to start at the end of the same year.

Major Capital Programs Overview

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

- Program
- Project Group/Appropriation
- Project

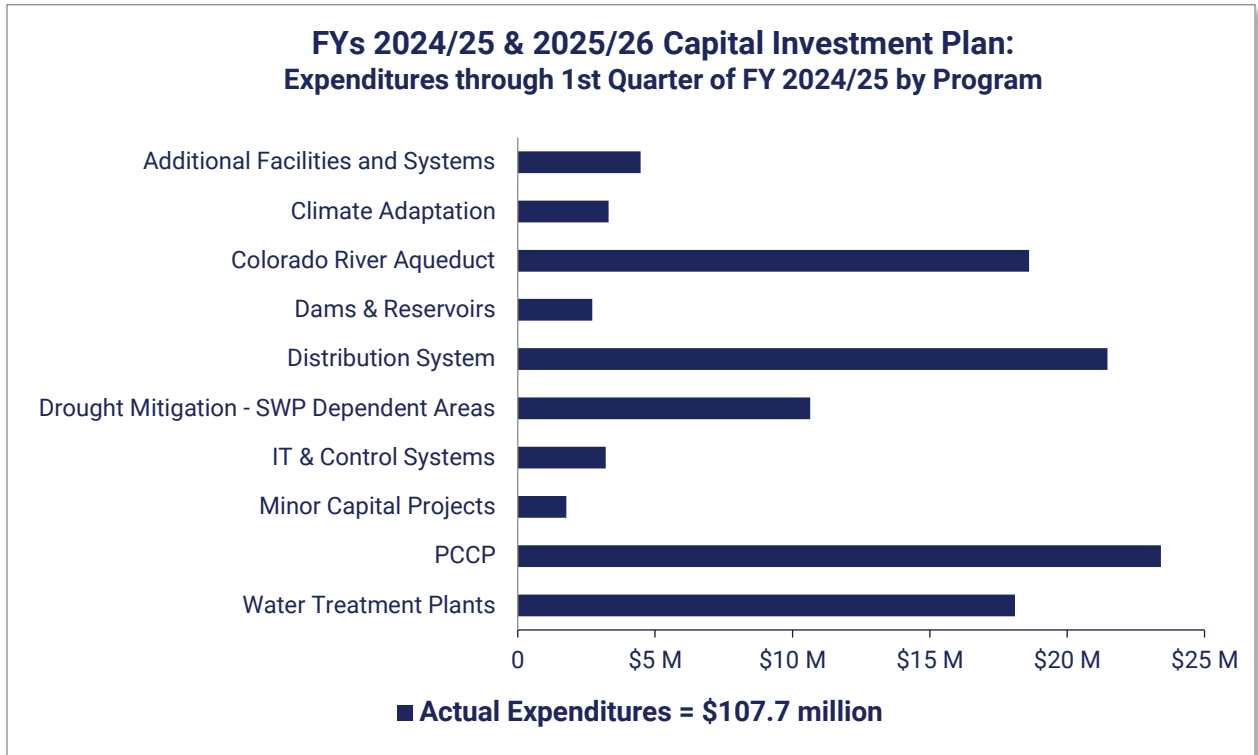
Metropolitan's CIP is comprised of 10 programs, which capture all projects within the CIP. The 10 capital programs are listed below in alphabetical order. Programs are comprised of one or more project groups/appropriations, and project group/appropriations are comprised of one or more projects. The status of each of the programs is provided later in this section of the report. A comparison of the program budget and actual costs to date for each of the programs is provided in Table 15 at the end of this report.

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

For the current biennium, the CIP includes over 500 planned projects (excluding Minor Capital Projects).

Figure 4 below shows actual expenditures for the 10 capital programs for 1st Quarter of FY 2024/25.

Figure 4: Biennium-to-date Actual Expenditures through 1st Quarter FY 2024/25



Major Capital Project Programs – Highlights

This section provides 1st Quarter highlights for the nine Major Capital Projects Programs; the Minor Capital Projects Program is highlighted in its own section of this report. Status is provided for selected projects within each Major Capital Projects Program. The selected projects typically achieved major milestones during the 1st Quarter of FY 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	Headquarters Building Physical Security Improvements - Stage 3
Climate Adaptation	Zero Emission Fleet Pilot Infrastructure – Stage 1
Colorado River Aqueduct (CRA)	CRA Domestic Water Treatment System Replacement
Dams & Reservoirs	Garvey Reservoir Rehabilitation – Stage 1
Distribution System	Perris Valley Pipeline I-215 Tunnel Crossing
Drought Mitigation - SWP Dependent Areas	Badlands Tunnel Surge Protection Facility
Information Technology (IT) & Control Systems	Asset Monitoring and Management System
Prestressed Concrete Cylinder Pipe (PCCP)	Allen-McColloch Pipeline PCCP Urgent Relining – Stages 1 & 2
Water Treatment Plants	Weymouth Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation

Additional Facilities and Systems Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$4.48 million

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

Program Highlights (1st Quarter)

Accomplishments

- Completed construction for the following project:
 - Headquarters Video Room Upgrades
- Continued construction for the following contracts:
 - Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
 - Headquarters Building Physical Security Improvements – Stage 3
 - La Verne Shops Upgrades – Building Completion – Stage 5
- Continued final design for the following project:
 - 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
- Continued preliminary design for the following projects:
 - CRA Kitchen and Lodging Improvements
 - Employee Village Enhancements
- Initiated preliminary design for the following project:
 - CRA Aircraft Facility Improvements – Stage 1
- Completed planning study for the following projects:
 - Desert Housing Improvements
 - La Verne Shops Upgrades – Stage 6
- La Verne Water Quality Laboratory Building Upgrades
 - Continued preliminary design and procurement of laboratory equipment

Upcoming Activities

Upcoming work for the next quarter will include:

- Complete construction contract for the following project:
 - Headquarters Building Physical Security Improvements – Stage 3
- Continue construction for the following projects:

- Headquarters Fire Alarm & Smoke Control Upgrades
- Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
- La Verne Shops Upgrades – Building Completion – Stage 5
- 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
- Continue preliminary design for the following project:
 - CRA Aircraft Facility Improvements – Stage 1
- CRA Kitchen and Lodging Improvements, Desert Housing Improvements, and Employee Village Enhancements
 - Board action to update the scope of the consulting agreement
- Headquarters Fire Alarm/Smoke Control Upgrades
 - Obtain final sign-off by fire department
- La Verne Water Quality Laboratory Building Upgrades
 - Continue preliminary design and procurement of laboratory equipment

Headquarters Building Physical Security Improvements – Stage 3

Total Project Estimate:
\$5.1 million

Total Project Cost to Date:
\$3.9 million

This project will enhance perimeter security along the exterior of the Headquarters building and courtyard. The work consists of installing security fencing and gates, bollards, paving, security cameras, and speaker horns. The security equipment will be integrated with the existing security software.

Phase	Construction
% Complete for Construction	90%
Construction Contract Award Date	December 2022
Estimated Construction Contract Completion Date	December 2024
Contract Number	2003

The contractor completed slurry seal and striping on New Avila Street and installation of fences, gates, and bollards. In the upcoming quarter, the contractor will complete warranty and punch-list items.



Completed courtyard fencing at Headquarters Building

Climate Adaptation Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$3.31 million

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

Program Highlights (1st Quarter)

Accomplishments

- Advanced Water Treatment Demonstration Facility
 - Continued tertiary membrane bioreactor (MBR) optimization testing to support the planning and design of a full-scale advanced purification facility
- Battery Energy Storage Systems at Jensen, Weymouth, and Skinner Plants
 - Continued construction at all three facilities
- Direct Potable Reuse Demonstration Facility
 - Continued development of site improvement plans to support DPR testing
- Zero Emission Vehicle (ZEV) Infrastructure Upgrade projects:
 - Districtwide Zero Emission Fleet Infrastructure
 - Completed headquarters building ZEV utility coordination, infrastructure upgrades study report, and establishing maximum EV loads for the remaining sites
 - Zero Emission Fleet Pilot Infrastructure – Stage 1
 - Completed installation of 2 pilot charging stations at the Weymouth plant

Upcoming Activities

Upcoming work for the next quarter will include:

- Advanced Water Treatment Demonstration Facility
 - Continue tertiary MBR optimization testing to support the planning and design of a full-scale advanced water purification facility
 - Initiate preparation of improvement plans to address long-term site security
- Battery Energy Storage Systems at Jensen, Weymouth, and Skinner Plants
 - Continue construction at all three facilities
- Direct Potable Reuse Demonstration Facility
 - Initiate preparation of procurement packages for DPR pilot testing equipment
 - Initiate preparation of a conceptual design report for DPR pilot system
 - Continue with site improvement planning effort to support DPR pilot testing
- Zero Emission Vehicle (ZEV) Infrastructure Upgrade projects:
 - Districtwide Zero Emission Fleet Infrastructure
 - Complete the enhanced programmatic planning and study document
 - Headquarters Building Zero Emission Vehicle Infrastructure Upgrades – Stage 1
 - Initiate final design

- Zero Emission Fleet Pilot Infrastructure – Stage 1
 - Continue pilot charging station installation at the headquarters building
 - Begin testing, commissioning, and integration of pilot chargers installed at the headquarters building and Weymouth plant
- Zero Emission Fleet Pilot Infrastructure – Stage 2
 - Initiate design and installation of initial batch of charging stations at 14 sites

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	50%
Current Phase Authorized	November 2023
Estimated Project Completion Date	December 2024

Completed procurement of electric vehicle (EV) chargers, continued design of the charger installation drawings, and continued working with the local cities to obtain permits. In the upcoming quarter, EV charger installation, inspection, and commissioning will be performed by Metropolitan Forces.



Level 3 EV charger (left) and Level 2 EV chargers (right) at Weymouth Water Treatment Plant

Colorado River Aqueduct (CRA) Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$18.62 million

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

Program Highlights (1st Quarter)

Accomplishments

- Completed construction for the following projects:
 - CRA Conduit Structural Protection
- Continued construction activities for the following contracts:
 - CRA Conveyance System Flow Level Sensor Installation
 - CRA Domestic Water Treatment System Upgrades at all five pumping plants
 - Gene Communication System Upgrades
 - Gene Pumping Plant Pilot Security Improvements
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
- Continued equipment procurement of the following project:
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
- Initiated procurement of the following project:
 - Intake and Gene Pumping Plants Transformer Bushings and Pressure Device Replacements
- 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
- Initiated final design of the following project:
 - Copper Basin Sodium Hypochlorite Tank Replacement
- Continued preliminary design of the following projects:
 - CRA Desert Region Security Improvements – Stage 2
 - Hinds Pumping Plant Discharge Valve Platform Replacement
 - Iron Mountain Tunnel Rehabilitation
- Initiated preliminary design of the following projects:
 - CRA 230kV Transmission Tower Barrier Improvements
 - CRA Pumping Plant Delivery Lines Rehabilitation
- CRA 230 kV Transmission Line Rehabilitation and Improvements
 - Initiated 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:

- Continue construction activities planned for the following contracts:
 - CRA Conveyance System Flow Level Sensor Installation
 - CRA Domestic Water Treatment System Upgrades at all five CRA pumping plants
 - Gene Communication Reliability Upgrades
 - Gene Pumping Plant Pilot Security Improvements
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
- Continue procurement of the following projects:
 - 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
 - Copper Basin Sodium Hypochlorite Tank Replacement
 - 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 design and procurement

CRA Domestic Water Treatment System Replacement

Total Project Estimate:
\$52.6 million

Total Project Cost to Date:
\$24.6 million

This project will upgrade the domestic water treatment systems at the five Colorado River Aqueduct pumping plants.

Phase	Construction
% Complete for Construction	42%
Construction Contract Award Date	December 2021
Estimated Construction Completion Date	March 2025
Contract Number	1949

Spare unit water treatment skid was fabricated and delivered to Intake Pumping Plant. The contractor continued installation of electrical conduits and pull boxes at Eagle Mountain Pumping Plant. In the upcoming quarter, the contractor will complete installation and commissioning of a spare unit water treatment skid at Intake Pumping Plant. The contractor will continue installation of electrical conduits and pull boxes at Hinds Pumping Plant.



Spare unit water treatment skid at Intake Pumping Plant

Dams and Reservoirs Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$2.71 million

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

Program Highlights (1st Quarter)

Accomplishments

- Diamond Valley Lake Dam Monitoring System Upgrades
 - Completed final design of the new system
- Garvey Reservoir Dam Monitoring System Upgrades
 - Continued new system testing and commissioning
- Garvey Reservoir Rehabilitation
 - Concluded public review of Draft Environmental Impact Report (EIR) and completed final EIR
 - Continued final design
- Lake Skinner Outlet Tower Butterfly Valve Replacement
 - Continued valve fabrication
- Lake Skinner Outlet Tower Seismic Upgrade
 - Continued detailed seismic evaluation of the outlet tower
- Lake Skinner Dam V-Ditch Replacement
 - Completed final design and advertised construction contract

Upcoming Activities

Upcoming work for the next quarter will include:

- Garvey Reservoir Dam Monitoring System Upgrades
 - Complete testing of the new system and develop an O&M manual
- Garvey Reservoir Rehabilitation
 - Certify the final EIR
 - Continue final design
- Lake Skinner Outlet Tower Butterfly Valve Replacement
 - Continue valve fabrication
- Lake Skinner Outlet Tower Seismic Upgrade
 - Continue detailed seismic evaluation of the outlet tower
- Lake Skinner Dam V-Ditch Replacement
 - Award construction contract

Garvey Reservoir Rehabilitation – Stage 1

Total Project Estimate:
\$75.0 million

Total Project Cost to Date:
\$6.2 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	48%
Current Phase Authorized	May 2023
Estimated Completion Date of Current Phase	September 2025

The final EIR was completed. In the upcoming quarter, it will be presented to the Board for certification. The design consultant will continue preparing the final design package and submit it for review.



View of the existing Garvey Reservoir floating cover

Distribution System Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$21.47 million

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

Program Highlights (1st Quarter)

Accomplishments

- Continued construction for the following construction contracts:
 - Foothill Hydroelectric Power Plant Seismic Upgrade
 - OC-88 Pump Station Chiller Replacement
 - Perris Valley Pipeline I-215 Tunnel Crossing – completed the final tunnel segment
 - Santa Monica Feeder Cathodic Protection
- Awarded the following construction contract:
 - Rialto Pipeline Rehabilitation at Station 2986+30
- Completed design of the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades – Red Mountain Sleeve Valve Procurement
 - San Diego Canal Concrete Liner Replacement – Site 236

Upcoming Activities

Upcoming work for the next quarter will include:

- Complete construction of the following construction contract:
 - Foothill Hydroelectric Power Plant Seismic Upgrade
- Continue construction activities planned for the following projects:
 - OC-88 Pump Station Chiller Replacement
 - Perris Valley Pipeline I-215 Tunnel Crossing – Shutdown and perform tie-in to existing facility
 - Rialto Pipeline Rehabilitation at Station 2986+30 and Rehabilitation of Service Connection CB-11
 - Santa Monica Feeder Cathodic Protection
- Award contracts for the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades – Red Mountain Sleeve Valve Procurement
 - San Diego Canal Concrete Liner Replacement – Site 236
- Continue design for the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades
 - Hollywood Tunnel North Portal
 - Los Angeles County Region Right of Way Infrastructure Protection – Stage 1
 - Riverside and San Diego County Region Right of Way Infrastructure Protection – Stage 1
- Continue procurement for the following projects:
 - Foothill Feeder Blow Off Valves Replacement
 - Lakeview Pipeline Relining – Stage 2
 - Orange County Area Pressure Control Structure Globe Valve Replacement
 - Rialto Pipeline Rehabilitation at Station 2986+30
 - San Jacinto Diversion Structure Slide Gates V-01, V-02, V-03, and V-04 Rehabilitation

Perris Valley Pipeline I-215 Tunnel Crossing

Total Project Estimate:
\$79.3 million

Total Project Cost to Date:
\$70.4 million

This project will connect northern and southern reaches of Perris Valley Pipeline by constructing approximately 3,000 linear feet of 97-inch diameter welded steel pipe. The project will also construct four access shafts, cathodic protection test stations, and geotechnical instrumentation and monitoring equipment.

Phase	Construction
% Complete for Construction	90%
Construction Contract Award Date	January 2023
Estimated Construction Completion Date	April 2025
Contract Number	1928

The contractor completed the tunnel reach under I-215 freeway, installed the carrier pipe in the tunnel reaches, and completed the connection at Shaft No. 4 to the southern reach of Perris Valley Pipeline. In the upcoming quarter, the contractor will complete the connection to the northern reach of the Perris Valley Pipeline.



Secant pile shaft during installation of 120-inch diameter casing at Shaft No. 1 to the northern tie-in of Perris Valley Pipeline

Drought Mitigation - SWP Dependent Areas Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$10.64 million

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

Program Highlights (1st Quarter)

Accomplishments

- Badlands Tunnel Surge Protection Facility
 - Continued concrete placement for valve vault structure and surge tank foundation
- Inland Feeder/Rialto Pipeline Intertie
 - Continued concrete placement for valve vault structure
- Inland Feeder/San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pump Station Intertie
 - Continued final design, right-of-way acquisition, CEQA, and permitting activities
 - Continued procurement of two 54-inch diameter butterfly valves
- Sepulveda Feeder Pump Stations
 - Continued Phase 1 design under a progressive design-build services agreement
 - Received board authorization for early procurement of long-lead equipment
- 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 four individual projects to allow the delivery of water from Diamond Valley Lake to the Rialto Pipeline
 - Badlands Tunnel Surge Protection Facility: Continue valve vault and surge tank foundation construction
 - Inland Feeder/Rialto Pipeline Intertie: Continue valve vault 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
 - Wadsworth Pumping Plant Bypass Pipeline: Continue installation of electrical components
- Sepulveda Feeder Pump Stations
 - Complete Phase 1 progressive design-build and start negotiation for a Guaranteed Maximum Price (GMP) to complete Phase 2
 - Continue procurement of long-lead equipment

Badlands Tunnel Surge Protection Facility

Total Project Estimate:
\$23.8 million

Total Project Cost to Date:
\$14.7 million

This project will construct an above-grade surge tank to protect the Badlands Tunnel on the Inland Feeder from excessive negative pressures, which could occur when the pumps at the Wadsworth Pumping Plant trip offline during Diamond Valley Lake to Inland Feeder pumping operation. This project is part of the Rialto Pipeline Water Supply Reliability Improvements, a series of drought resiliency projects.

Phase	Construction
% Complete for Construction	36%
Construction Contract Award Date	November 2023
Estimated Construction Completion Date	June 2025
Contract Number	2040

The contractor completed two out of the four wall panels of the vault structure and concrete formwork for the surge tank foundation. In the upcoming quarter, the contractor will complete the remaining vault structure, surge tank foundation, installation of an 84-inch butterfly valve, and pressure testing.



Contractor placing concrete for the surge tank wall

Information Technology and Control Systems Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$3.20 million

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

Program Highlights (1st Quarter)

Accomplishments

- Control System Upgrade – Phase 4
 - Began potholing for spare conduit ductbank
- Enterprise Content Management Phase II
 - Continued design
- Headquarters Network Switch Replacement
 - Continued equipment installation
- Oracle Database Upgrade
 - Continued execution of the migration plan
- Real Property Group Business System Replacement
 - Completed Accounts Payable portion of financial integration testing
 - Completed development of several reports
- Security Operations Center MWD Cyber Security Upgrade – Stage 1
 - Tested initial monitoring capabilities
- WiFi Implementation
 - Received initial design for San Bernardino Region sites

Upcoming Activities

Upcoming work for the next quarter will include:

- Desert Microwave Site Tower Upgrades
 - Advertise an equipment installation contract
- Headquarters Network Switch Replacement
 - Continue equipment installation
- Oracle Database Upgrade
 - Continue database migration
- Enterprise Data Analytics
 - Execute an agreement with selected vendor and begin define and design phases
- Real Property Group Business System Replacement
 - Continue Accounts Receivable financial system integration testing
 - Schedule User Acceptance Testing (UAT)
- Redesign IntraMet
 - Advertise Request for Proposal (RFP)
- Security Operations Center MWD Cyber Security Upgrade – Stage 1

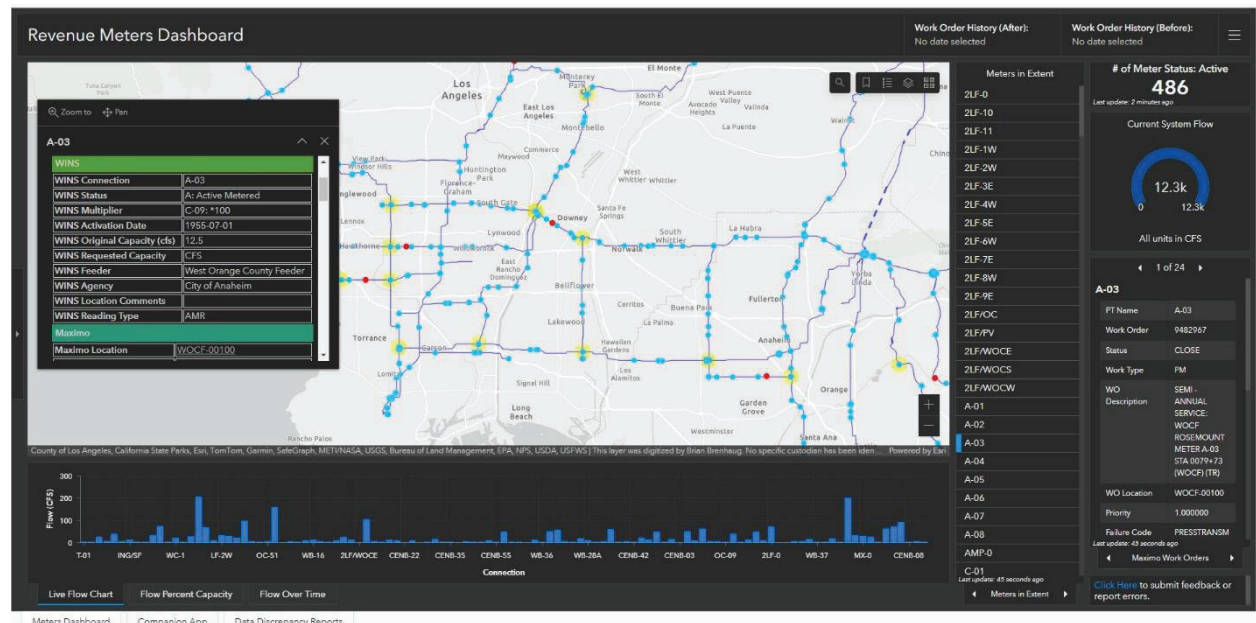
- Continue go live with additional functionalities
- WiFi Implementation
 - Advertise a construction bid package and host pre-bid job walk for LA Region
 - Advertise a construction bid package for Headquarters
- WINS Water Billing System Upgrade
 - Continue system upgrade

<h2 style="margin: 0;">Asset Monitoring and Management System</h2>	Total Project Estimate: \$0.5 million
	Total Project Cost to Date: \$0.4 million

This project will establish the foundation for leveraging data already maintained by Metropolitan (under multiple different software platforms) into a common framework to efficiently conduct future infrastructure reliability projects and assessments across Metropolitan.

Phase	IT Development
% Complete for Current Phase	88%
Current Phase Authorized	March 2019
Estimated Completion Date of Current Phase	November 2024

The user acceptance test scenarios were prepared. In the upcoming quarter, user acceptance testing will begin.



Asset Monitoring and Management System Dashboard

Prestressed Concrete Cylinder Pipe (PCCP) Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$23.41 million

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

Program Highlights (1st Quarter)

Accomplishments

- PCCP Rehabilitation Valve and Equipment Storage Building
 - Completed construction
- Second Lower Feeder
 - Reach 3B – Began preparation for the second of two planned shutdowns. Work completed to date includes installation of approximately 2.4 miles of steel pipe liners, rehabilitation of ten access structures, and replacement of two service connection valves. This project will reline approximately 3.6 miles of Second Lower Feeder PCCP pipeline from the intertie with Sepulveda Feeder south to Oak Street PCS; through the cities of Torrance, Los Angeles, and Lomita; and replace three 48-inch diameter sectionalizing valves at the intertie with Sepulveda Feeder.
 - Isolation Valve Procurement – Received two 54-inch valves and continued fabrication and inspection of one remaining 54-inch valve. To date, Metropolitan has received twelve of thirteen large-diameter conical plug valves and actuators, including three 48-inch and nine 54-inch valves.
- 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.
 - 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. The west side pump stations project has prompted a re-prioritization of this northern section.
 - Reach 9 – Began 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.
- Allen-McColloch Pipeline Urgent Relining
 - Stage 1 – Completed relining a remaining 2,300 feet of PCCP with new steel liner.
 - Stage 2 – Completed relining approximately 6,800 feet of PCCP with new steel liner and began relining the remaining portion of approximately 12,700 feet of PCCP pipeline.

Upcoming Activities

Upcoming work for the next quarter will include:

- Second Lower Feeder
 - Reach 3B – Initiate work related to the second shutdown including utility relocations, installation of temporary traffic controls, excavations, and commencement of pipe relining work. The shutdown is scheduled to start in December 2024 and end in April 2025.
 - Isolation Valve Procurement – Complete fabrication of one remaining valve
- Sepulveda Feeder
 - Reach 1 – Continue final design
 - Reach 2 – Continue final design and permitting process
 - Reach 9 – Continue final design to rehabilitate 3.8 miles of PCCP
 - North Reach – Continue preliminary design
- Allen-McColloch Pipeline Urgent Relining
 - Stage 1 – Complete installation of mortar liner for the 2,300 feet of newly installed steel liner in the previous quarter
 - Stage 2 - Complete rehabilitation of the remaining approximately 5,900 feet of PCCP

Allen-McColloch Pipeline PCCP Urgent Rehabilitation - Stages 1 & 2

Total Project Estimate:
\$67.0 million

Total Project Cost to Date:
\$30.6 million

This project performs urgent relining of approximately 3.2 miles of distressed PCCP segments of the Allen-McColloch Pipeline (AMP) that were discovered during an inspection in November 2023. Work is being performed in two stages to expedite returning the pipeline to service. Stage 1 includes carbon fiber reinforced polymer (CFRP) and steel relining of approximately 4,500 feet of PCCP pipeline, including approximately 2,200 feet upstream of service connection OC-88, installation of a bulkhead just downstream of OC-88, and steel relining approximately 2,300 feet of PCCP downstream of OC-88. Stage 2 includes steel relining of approximately 12,700 feet of pipeline, including all remaining PCCP segments downstream of OC-88. Relineing work for Stage 1 is being performed under two change orders to existing construction contracts and a third change order to an existing procurement contract was utilized to procure steel liner pipe for both stages of the work.

Phase	Construction
% Complete for Construction for Stage 1	80%
% Complete for Construction for Stage 2	50%
Change Order Authority Authorized for Stage 1	February 2024
Construction Contract Awarded for Stage 2	May 2024
Estimated Construction Completion Date for Stage 1	October 2024
Estimated Construction Completion Date for Stage 2	February 2025
Construction Contract Numbers for Stage 1 ¹	2026, 2088
Construction Contract Number for Stage 2	2108

Relineing work for Stage 1 and 85 percent of the mortar lining work were completed. For Stage 2, the contractor mobilized and completed traffic control set-up. All residents along the alignment were notified of the construction to Los Alisos Homeowners Association (Site 1296) was delivered. Approximately 90% of steel liner installation was completed at four sites, and portal development at three sites continued. In the upcoming quarter, the contractor will continue relining and complete pipe access excavations for Stage 2. Steel liner will continue to be delivered to the construction sites and an agreement to share paving costs with El Toro Water District will be executed.

¹ Stage 1 construction is being performed under two existing construction Contract Nos. 2026 and 2088 via change orders.



Welding pipe connection for AMP, Stage 1

Water Treatment Plants Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2024)
\$18.10 million

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

Program Highlights (1st Quarter)

Accomplishments

- Completed startup and testing of the following project:
 - Jensen Ozone PSU Replacement – Stage 1
- Continued construction for the following projects:
 - Diemer Power and Distribution Panel Upgrade
 - Mills Electrical Upgrades – Stage 2
 - Weymouth Asphalt Pavement Rehabilitation
 - Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
 - Weymouth Hazardous Waste Staging and Containment
- Continued final design for the following project:
 - Diemer Filter Rehabilitation
 - Weymouth Administration Building Upgrades
- Continued preliminary design of the following projects:
 - Diemer Washwater Reclamation Plant Improvements & Slope Stabilization
 - Jensen Bromate Control Upgrades
 - Jensen Finished Water Reservoir Rehabilitation
 - Jensen Modules Nos. 2 & 3 Solids Removal System Rehabilitation
 - Jensen Reservoir Bypass Gate Replacement
 - Jensen Solids Mechanical Dewatering Facility
 - Mills Basin Solids Removal System Rehabilitation
 - Mills Finished Water Reservoir Rehabilitation
 - Mills Perimeter Security & Erosion Control Improvements
 -

Upcoming Activities

Upcoming work for the next quarter will include:

- Complete construction of the following project:
 - Diemer Power and Distribution Panel Upgrades
- Continue construction of the following projects:

- Mills Electrical Upgrades – Stage 2
- Weymouth Asphalt Pavement Rehabilitation
- Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
- Weymouth Hazardous Waste Staging and Containment
- Continue final design for the following projects:
 - Diemer Filter Rehabilitation
 - Weymouth Administration Building Upgrade
- Continue preliminary design of the following projects:
 - Diemer Washwater Reclamation Plant Improvements & Slope Stabilization
 - Jensen Bromate Control Upgrades
 - Jensen Finished Water Reservoir Rehabilitation
 - Jensen Modules Nos. 2 & 3 Solids Removal System Rehabilitation
 - Jensen Reservoir Bypass Gate Replacement
 - Jensen Solids Mechanical Dewatering Facility
 - Mills Basin Solids Removal System Rehabilitation
 - Mills Finished Water Reservoir 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:
\$91.2 million

This project will rehabilitate and replace the Weymouth Water Treatment Plant’s Basins 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 1-8.

Phase	Construction
% Complete for Construction	70%
Construction Contract Award Date	May 2022
Estimated Construction Completion Date	July 2025
Contract Number	1982

The contractor completed the following activities during the second quarter plant shutdown including seismic upgrades and hazardous material abatement within Basins 5 & 6 and valve installations in Filter Building No. 2. In the upcoming quarter, the contractor plans to continue activities planned for the second quarter plant shutdown No. 2 including installation of electrical and mechanical equipment in the flocculation and sedimentation basins, and Filter Building No. 2, and seismic improvements for the basin and inlet channel walls.



Setting launder blockouts at Weymouth Water Treatment 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 September 2024)	\$12.4M	\$10.2M	\$7.1M	\$0.0M	\$29.7M
Number of Projects Approved	48	50	51	4	153
Number of Projects Completed (through September 2024)	46	25	3	0	74
Number of Projects with Durations of Over 3 Years	2	10	0	0	12

* Numbers may not sum due to rounding.

Through September 2024, 74 of the 153 projects approved under the appropriations mentioned above have been completed, and 12 active projects have exceeded three years in duration, as described below.

- 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.
- Jensen Chlorine Railcar Scale experienced delays due to constructability concerns. A field evaluation determined that the sequence required to install the railcar scales would impact operations. As a result, the scales will no longer be constructed and the project is scheduled to be canceled in November 2024.
- Jensen WWRP No. 2 Flocculator Rehabilitation experienced delays due to a comprehensive revision of scope. As a result, the rehabilitation work will proceed as part of major capital project recently approved for the current biennium. The project is scheduled to be canceled in November 2024.
- Live Oak Reservoir Liner Rehabilitation has been experiencing delays due to longer than anticipated time for coordination of final inspection by the Division of Safety of Dams. The project is scheduled to be completed by November 2024.
- OC-88 Surge Tank Recirculation System Upgrade has been experiencing delays due to longer than anticipated lead time for pump procurement. As a result, the upgrades will be implemented as part of major capital project in the future. The project is scheduled to be canceled in November 2024.
- 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. The project is scheduled to be completed by April 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 November 2024.

Minor Cap Projects, 1st Quarter

Authorized Projects

Four projects were authorized under the Minor Cap Program during the 1st Quarter of fiscal year 2024/25 (July through September 2024). The total amount authorized for these projects was \$1,469,300.

- Implement Maximo DatasplICE and Oracle AP Imaging SSO – This project will upgrade both Maximo DatasplICE and Oracle AP Imaging applications to support Single Sign-On (SSO). This project will enhance Metropolitan cybersecurity and streamline the sign-on process. The project budget is \$349,300.
- Mills Chlorine Scrubber System Exhaust Improvements – This project will improve chlorine scrubber exhaust system at the Mills Water Treatment Plant to mitigate formation and discharge of caustic residue dust. The project budget is \$390,000.
- Questica System Upgrade – This project will upgrade Metropolitan Budgetary System to the latest version to capture all the needed security updates and new features offered by the original system provider (OSP). The project budget is \$340,000.
- Skinner Interior lighting Upgrades – This project will replace all obsolete or non-LED interior lights and fixtures located inside buildings at Skinner plant with new LED lights and fixtures. The project budget is \$390,000.

Completed Projects

Five projects were completed under the Minor Cap Program during the 1st Quarter of fiscal year 2024/25 (July through September 2024):

- Diamond Valley Lake (DVL) Inlet/Outlet Tower UPS Replacement
- District UVC and Air Disinfection HVAC Upgrade
- MSU Shops Lighting Upgrades
- Red Mountain Pressure Control Structure UPS Replacement
- WB-06B Meter Replacement

Canceled Projects

One project was canceled during the 1st Quarter of fiscal year 2024/25 (July through September 2024):

Jensen Administration Building GFRC Panel Replacement was originally initiated in FYs 2020/21 and 2021/22 minor cap appropriation. The project was canceled to be addressed by the major capital project Jensen Administration Building GFRC Panel Replacement.

Expenditures

Actual biennium expenditures to date (July 2024 through September 2024) for the Minor Capital Projects Program were \$1.77 million.

Project Actions

Table 5 lists capital project actions authorized by the General Manager along with funding allocation amounts during the 1st Quarter of FY 2024/25, through the authority delegated by the Board in April 2024. The total funding amount authorized during the 1st Quarter is \$82,454,500 through thirty-one management actions. In some case listed below, the Total Amount Authorized may differ from the Amount Authorized for Current Biennium when the work authorized is scheduled to extend beyond the current biennium. In these cases, it is anticipated that staff will request sufficient funds to be allocated from the CIP Appropriation for the next biennium to cover the planned remaining future-year costs of the project. When the Amount Authorized for Current Biennium is equal to the Total Amount Authorized, the authorized work is planned to be completed within the current biennium. Table 5 excludes any board items heard in closed session and minor cap authorizations. Minor cap authorizations can be found in the Minor Capital Projects Program section of this report.

Table 5: Capital Projects Funded in 1st Quarter

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Allen-McColloch Pipeline PCCP Urgent Rehabilitation – Stage 2	Construction	\$31,367,000	\$31,900,000
CRA Aircraft Facility Improvements – Stage 1	Preliminary Design	\$775,000	\$800,000
CRA Pumping Plant Delivery Lines Rehabilitation	Site Investigations and Preliminary Design for Delivery Lines at Gene Pumping Plant	\$2,889,000	\$2,940,000
CRA 230 kV Transmission Tower Barrier Improvements	Preliminary Design	\$212,000	\$230,000
CRA 230 kV Transmission Line Rehabilitation and Improvements	Study of East Transmission Line	\$242,000	\$245,000
CRA 6.9kV Power Cables Replacement ²	Additional Legal Services	\$870,000	\$870,000
Diemer Slope Erosion Rehabilitation ³	Additional Study	\$1,110,000	\$1,150,000
Diemer Turbidimeter Replacements	Final Design	\$145,000	\$145,000
Distribution System Online Analyzers Replacement	Procurement and Construction	\$950,000	\$1,050,000

² Additional funds were required for legal services authorized per July 2024 Board Letter Item 8-3 heard in closed session.

³ Additional study funds were required to conduct additional field investigation for the crest of the slope near Basin No. 8 per the California Division of Safety of Dams (DSOD) requirement.

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Eagle Rock Security Upgrade - Stage 1 ⁴	Additional Final Design	\$507,000	\$525,000
Holland Road Drainage Modification	Final Design	\$247,000	\$247,000
Inglewood Lateral Improvements	Study	\$770,000	\$900,000
Inland Feeder/SBVMWD Foothill Pump Station Intertie ⁵	Additional Final Design; Procurement: One 132-inch Butterfly Valve	\$2,837,174	\$2,950,000
Intake and Gene Pumping Plant Transformer Bushing and Pressure Device Replacement	Procurement: Materials for three Transformers at Intake	\$175,000	\$175,000
Intake Transformer Bank Protection Relay Replacement	Investigations, Design, and Procurement	\$871,000	\$890,000
Iron Mountain Fuel Dispenser System Improvements	Preliminary Design and Final Design	\$240,000	\$240,000
Iron Mountain Station Light & Power Electrical Improvements	Final Design	\$4,000,000	\$4,200,000
Data Storage Infrastructure Refresh	IT Define	\$50,000	\$50,000
Jensen Bromate Control Upgrades	Preliminary Design	\$3,800,000	\$3,800,000
Jensen WWRP No. 2 Side 3 Flocculator Rehabilitation	Final Design	\$300,000	\$300,000
La Verne Shops Upgrade - Stage 6	Study	\$57,500	\$57,500
Lake Mathews Pressure Control Structure and Electrical Upgrades	Study & Owner's Advisor Services	\$2,800,000	\$2,800,000
Lakeview Pipeline Relining – Stage 2	Pipe Procurement	\$17,214,500	\$17,500,000
PC-1 Pressure Control Structure Rehabilitation	Final Design and MetForce Construction	\$2,600,000	\$2,600,000
Rialto Pipeline Rehabilitation at Station 2986+30	Construction	\$3,405,460	\$3,600,000

⁴ Additional final design funds were required to incorporate additional servers and consolidation of security systems at Eagle Rock from other facilities.

⁵ Additional final design funds were required to modify construction bid package to minimize environmental impact and expedite project schedule after permitting agency determined the entire project area requires a federal permit due to the presence of federally listed endangered species habitat.

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Santa Monica Feeder Cathodic Protection	Construction	\$1,156,469	\$1,250,000
Sepulveda Feeder Pump Stations	Procurement: Two Electrical Transformers	\$690,000	\$690,000
Service Connection EM-14 Flowmeter Replacement	Construction	\$65,000	\$65,000
Service Connection EM-21 Flowmeter Replacement	Construction	\$65,000	\$65,000
Skinner Plant 1 and Ozone Lab Turbidity Meter Upgrade	Final Design	\$145,000	\$145,000
Upper Feeder and Lower Feeder RWIP Improvements - UF 42+06, UF 90+08, and LF 919+54	Study	\$75,000	\$75,000
Total		\$80,631,103	\$82,454,500

Due to changes to the project implementation schedules on the following project, \$1,841,500 was reallocated from the CIP Appropriation (Appropriation No. 15535) to 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
Badlands Tunnel Surge Protection Facility	\$1,841,500
Total	\$1,841,500

Table 7 lists capital projects which were authorized during the previous biennium with an unfunded portion of authorized work remaining to be funded at the end of the biennium, as the work authorized was scheduled to extend beyond the biennium. The unfunded portion of these projects were funded from Appropriation 15535 at the start of the current biennium.

Table 7: Previously Authorized Capital Projects Funded from Appropriation No.15535

Project Authorized (Title)	Amount Authorized for Current Biennium
Allen-McColloch Pipeline PCCP Urgent Rehabilitation - Stage 1	\$11,772,000
Allen-McColloch Pipeline PCCP Urgent Rehabilitation - Stage 2	\$8,651,000
Applications-Servers Upgrade from Old Windows OS	\$1,600,000

Project Authorized (Title)	Amount Authorized for Current Biennium
Arc Flash Model Development	\$4,000,000
Badlands Tunnel Surge Protection Facility	\$3,299,000
Black Metal Mountain 2.4 kV Electrical Power Upgrade	\$1,790,000
Calabasas Feeder PCCP Rehabilitation	\$947,000
Casa Loma Siphon Barrel No. 1 and San Jacinto Pipeline Protection	\$557,000
CRA Pumping Plants Lower Guide Access Improvements	\$660,000
CRA Conduit Erosion Control Improvements	\$4,093,000
CRA Conduit Structural Protection	\$2,026,568
CRA Conveyance System Level Sensor Installation	\$1,756,000
CRA Domestic Water Treatment System Replacement	\$28,800,000
CRA Iron Mountain Tunnel Rehabilitation	\$256,200
CRA Pump Plant Sump System Rehabilitation	\$5,000,000
CRA Pumping Plant Storage Buildings at Hinds, Eagle Mountain, and Iron Mountain	\$14,476,000
Datacenter Backup Infrastructure Upgrade	\$625,520
Diamond Valley Lake Domestic Water System Improvements	\$94,610
Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2	\$9,072,856
Diamond Valley Lake Secondary Inlet Sleeve Valve Refurbishment	\$1,664,000
Diemer Basin 8 Slope Toe Improvement	\$922,000
Diemer Filter Rehabilitation	\$2,069,000
East Lake Skinner Bypass and Bypass No. 2 Screening Structure Upgrade	\$1,792,552
Eastern Region Security Camera System Upgrade Area 1	\$1,308,667
Eastern Region Security Camera System Upgrade Area 2	\$876,271
Electromagnetic Inspections of PCCP Lines - Fifth Cycle	\$5,857,000
Enterprise Content Management Phase II	\$2,200,000
Foothill Feeder Valve Replacement	\$361,630
Foothill Hydroelectric Plant Rehabilitation	\$3,000,000

Project Authorized (Title)	Amount Authorized for Current Biennium
Foothill Hydroelectric Plant and Control Building Seismic Upgrade	\$1,569,000
Garvey Reservoir Rehabilitation	\$7,374,000
Gene Communications System Upgrade	\$856,935
Gene Pumping Plant Pilot Security Improvements	\$304,562
Gene Transformer Bank Protection Relay Replacement	\$553,000
Gene Wash Discharge Valve Replacement	\$120,000
Hollywood Tunnel, North Portal, Equipment Upgrades	\$21,000
Inland Feeder/SBVMWD Foothill Pump Station Intertie	\$1,596,437
Inland Feeder/Rialto Pipeline Intertie	\$2,752,000
Iron Mountain and Gene Pumping Plant Utility Replacement	\$900,000
Iron Mountain Transformer Bank Projection Relays Replacement	\$123,000
Jensen Flocculator System Upgrades	\$388,000
Jensen Module 2 & 3 Traveling Bridge and Basin Rehabilitation	\$652,000
Jensen Solids Mechanical Dewatering Facility	\$935,000
La Verne Shops - Stage 5 Buildings Completion & Equipment Procurement	\$782,000
La Verne Water Quality Laboratory Building Improvements	\$3,200,000
LA-17A and LA-C Venturi Flowmeter Replacement	\$288,000
Lake Mathews Dam Erosion Control	\$517,500
Lake Mathews Outlet Tower No. 2 Valve Rehabilitation	\$90,000
Lake Skinner Outlet Tower Butterfly Valve Replacement	\$1,596,475
Mills Plant Control System Upgrade	\$2,000,000
Mills Electrical Upgrades – Stage 2	\$5,000,000
Mills Solids Removal Improvement	\$652,000
Oracle Database Upgrade	\$628,000
Orange County and Riverside/San Diego County Operating Regions Valve Replacement	\$370,000
Payroll & Timekeeping System Upgrade	\$200,000
Perris Valley Pipeline Interstate 215 Tunnel Crossing	\$27,028,720

Project Authorized (Title)	Amount Authorized for Current Biennium
Rialto Pipeline Rehabilitation at Station 2986+30	\$295,962
San Diego Canal Concrete Liner Replacement at Three Sites	\$546,000
San Diego Canal Concrete Liner Replacement – Site 236	\$398,000
Second Lower Feeder PCCP Rehabilitation - Reach 3B	\$38,260,000
Security Operations Center Upgrade Phase 2	\$558,800
Sepulveda Canyon Control Facility Water Storage Tanks Seismic Upgrades	\$445,000
Sepulveda Feeder PCCP Rehabilitation - Reach 9	\$4,398,000
Sepulveda Feeder Pump Stations	\$7,664,000
Sepulveda Hydroelectric Plant Rehabilitation	\$4,520,000
Service Connection EM-04B Meter Replacement	\$229,000
Services Procurement Implementation	\$948,000
Skinner Chemical Storage Tank Replacement	\$490,000
Upper Feeder Blowoff Valve Replacement - Stage 1	\$1,072,000
B-01 Venturi Flowmeter Replacement	\$384,000
Wadsworth Pumping Plant Bypass Pipeline	\$197,000
Water Information System	\$1,175,000
Webb Tract Delta Island Flooded Wetlands and Rice Field System	\$4,184,000
Western Region Security Camera System Upgrade - Area	\$1,045,667
Western Region Security Camera System Upgrade - Area 2	\$941,347
Western Region Security Camera System Upgrade - Area 4	\$636,381
Western Region Security Camera System Upgrade - Area 8	\$1,114,667
Weymouth Asphalt Pavement Rehabilitation	\$1,863,000
Weymouth Bonita Avenue Railroad Track Replacement	\$195,000
Weymouth Hazardous Waste Staging and Containment	\$2,644,700
Weymouth Treatment Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation	\$36,100,000
Weymouth Water Treatment Plant - Remaining Budget	\$5,000
Yorba Linda PCS Rehabilitation	\$1,050,000

Project Authorized (Title)	Amount Authorized for Current Biennium
Yorba Linda Power Plant Emergency and Control System Improvements	\$75,000
Zero Emissions Fleet Pilot Infrastructure – Stage 1	\$52,000
Total	\$291,513,027

CEQA Determinations

Table 8 lists CEQA exemption determinations made by the General Manager during the 1st Quarter. Consistent with CEQA, the Board delegated this authority to the General Manager in April 2024. Adoption of Negative Declarations, Mitigated Negative Declarations, and certification of Environmental Impact Reports will continue to require action by Metropolitan’s Board. This table excludes information on board items.

Table 8: CEQA Exemption Determinations

Projects
Delta Properties Infrastructure Improvements - Phase 5
Desert Microwave Tower Site Upgrades
Diemer Helicopter Hydrant Facility
Hinds Pumping Plant Elevator Hydraulic Power Unit Replacement

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 11 and Table 12. Total contract earnings for the 1st Quarter were approximately \$64.99 million.

Table 9: 1st Quarter Contract Actions

Contract Actions during Q1 for FY 2024/2025, July 2024 through September 2024	
Contracts Awarded by Board	2 construction contracts totaling \$3.48 million
Total Payments Authorized ⁶	\$64.99 million
Construction Contracts Completed	Notice of Completion was filed for 5 construction contracts (Table 10)
Procurement Contracts Delivery Completed	Delivery of all items completed for 3 procurement contracts ⁷
Active Contracts at end of Q1 ⁸	28 construction contracts, totaling \$458.43 million (Table 11) 19 procurement contracts, totaling \$79.34 million (Table 12) \$537.77 million total value*

*Numbers may not sum due to rounding.

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

⁶ Includes payments for O&M work under CIP contracts and grant-funded drought mitigation contracts.

⁷ Contract 1948 for Refurbishing Valve Actuators for the Diemer Water Treatment Plant, Contract 2022 for Furnishing Butterfly Valves for the Wadsworth Bypass Pipeline, Inland Feeder-Rialto Pipeline Intertie, and Badlands Tunnel Isolation Surge Tanks, and Contract 2046 for Furnishing a 20-inch Triple Offset Ball Valve for Service Connection CB-11 were completed during the reporting quarter.

⁸ Active contracts at the end of the 1st Quarter are those that are ongoing at the end of September 2024 and have not filed Notice of Completion with the county where the work was performed.

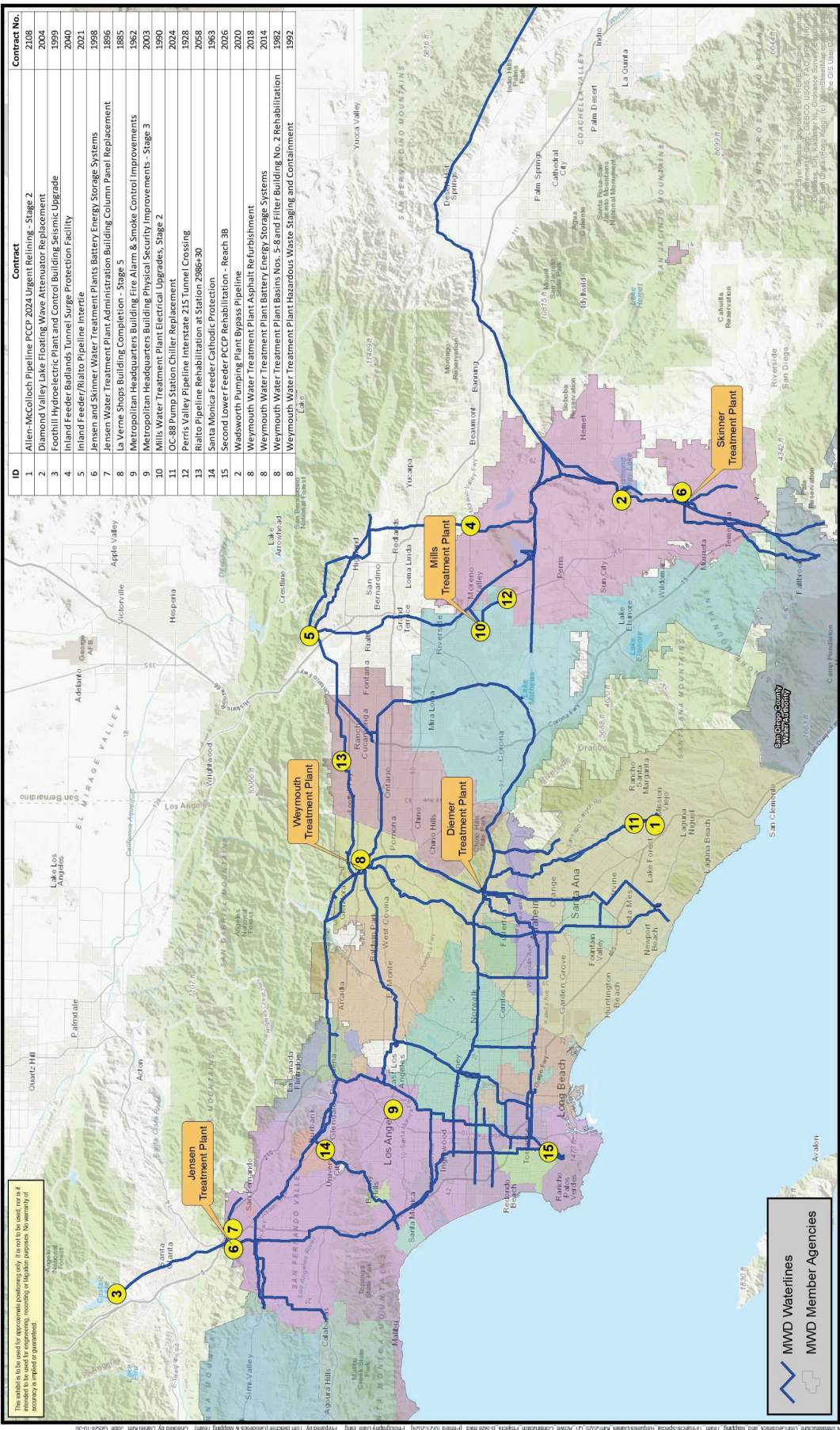


Figure 5: Construction Contracts – Greater Los Angeles Region

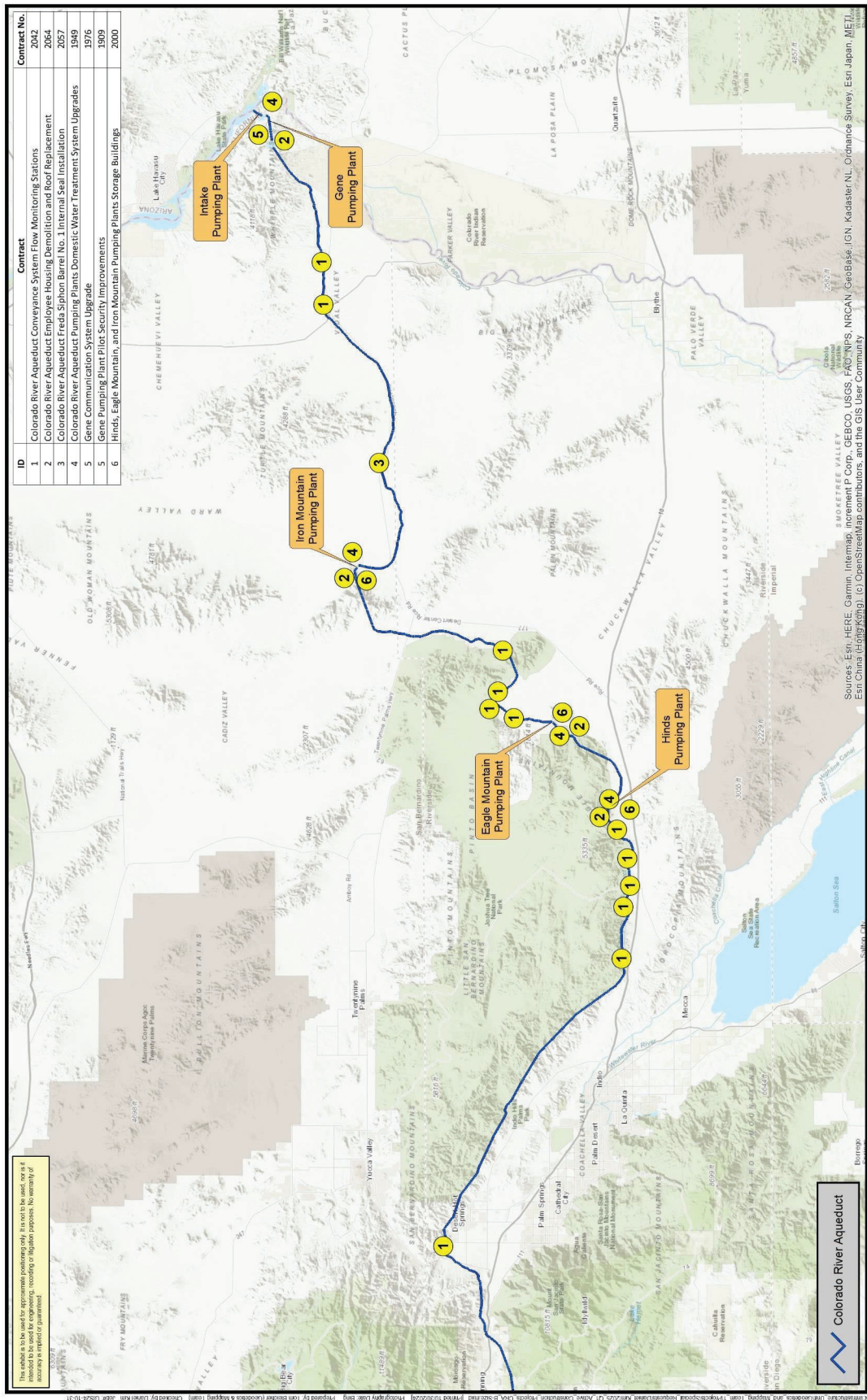


Figure 6: Construction Contracts - Colorado River Aqueduct

ID	Contract	Contract No.
1	Colorado River Aqueduct Conveyance System Flow Monitoring Stations	2042
2	Colorado River Aqueduct Employee Housing Demolition and Roof Replacement	2064
3	Colorado River Aqueduct Fredd Siphon Barrel No. 1 Internal Seal Installation	2057
4	Colorado River Aqueduct Pumping Plants Domestic Water Treatment System Upgrades	1949
5	Gene Communication System Upgrade	1976
6	Gene Pumping Plant Pilot Security Improvements	1909
	Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings	2000

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

In the 1st Quarter, the Board authorized an increase of \$840,000 in change order authority for construction Contract No. 2020 with Steve P. Rados for the installation of an isolation valve for the Wadsworth Pump Plant Bypass Pipeline.

Notices of Completion during 1st Quarter:

The following table shows the five board-awarded construction contracts for which Metropolitan accepted the contract as completed during the 1st 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 10: Notices of Completion Filed This Quarter

Contract No.	Construction Contract	Notice of Completion	Original Bid Amount	Final Contract Costs	Change Order	Change Order %
1895	Colorado River Aqueduct Conduit Structural Protection	7/30/2024	\$8,656,568	\$8,707,804	\$51,236	0.6%
1898	Metropolitan Headquarters Courtyard Improvements	8/20/2024	\$250,974	\$279,598	\$28,624	11.4%
1989	Metropolitan Headquarters Building First Floor Video Suite Renovation	9/17/2024	\$637,520	*	*	*
2001	Jensen Water Treatment Plant Ozone Power Supply Units Replacement	7/2/2024	\$2,257,897	\$2,257,897	\$0	0%
2013	Lake Mathews Reservoir PCCP Rehabilitation Valve Storage Building	7/2/2024	\$4,759,000	\$4,982,022	\$223,022	4.7%
Totals:			\$16,561,959			

For the 1st Quarter, the total bid amount of the completed construction contract was approximately \$16.6 million.

For Contract No.1989, although an NOC was 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.

Final contact 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 (October 2023 through September 2024) is 5.94 percent⁹.

⁹ Original amount of construction contracts completed (October 2023 through September 2024) = \$ 65,009,994
 Change orders for completed construction contracts (October 2023 through September 2024) = \$ 3,860,946
 Change order percentage (October 2023 through September 2024) = 5.94%

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 4.17 percent if Contract No. 2088 is excluded.

The table on this page lists the 28 ongoing construction contracts through the end of the 1st Quarter. This list contains construction contracts awarded by the Board.

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

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁰	Earnings Through Sep. 2024 ¹¹	Start Date	Est. Completion Date	Est. Percent Complete
1	1885	La Verne Shops Building Completion – Stage 5	Woodcliff Corporation, Inc.	\$19,580,047	\$18,414,447	6/10/22	3/25	94%
2	1896	Jensen Admin. Bldg. Entrance Glass Fiber Reinforced Concrete Panels Replacement	MMJ Contracting, Inc.	\$281,900	\$105,898	7/14/23	1/25	38%
3	1909	Gene Pumping Plant Pilot Security Improvements	The Kepler Group, Inc.	\$295,561	\$90,547	5/2/24	11/24	31%
4	1928	Perris Valley Pipeline Interstate 215 Tunnel Crossing	James W. Fowler, Company	\$59,685,928	\$55,073,966	2/13/23	4/25	92%
5	1949	Colorado River Aqueduct Pumping Plants Domestic Water Treatment System Replacement	J.F. Shea Construction, Inc.	\$32,869,737	\$13,667,181	1/20/22	3/25	42%
6	1962	MWD HQ Building Fire Alarm & Smoke Control Improvements ¹²	Bernards Bros. Inc.	\$14,355,588	\$13,159,228	9/24/20	11/24	92%
7	1963	Santa Monica Feeder Cathodic Protection	Exaro Technologies Corporation	\$897,469	\$0	7/10/24	3/25	0%
8	1976	Gene Communication System Upgrade	HP Communications, Inc.	\$1,244,935	\$963,397	12/14/23	11/24	77%
9	1982	Weymouth Water Treatment Plant Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation	J.F. Shea Construction, Inc.	\$95,208,451	\$78,457,256	6/10/22	7/25	82%

¹⁰ 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.

¹¹ Earnings reported in this table are the total contract earnings as they are known to be at the end of the reporting quarter.

¹² Granting of additional working days to complete construction is being considered.

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁰	Earnings Through Sep. 2024 ¹¹	Start Date	Est. Completion Date	Est. Percent Complete
10	1990	Henry J. Mills Water Treatment Plant Electrical Upgrades, Stage 2	CSI Electrical Contractors, Inc.	\$9,429,862	\$6,513,572	12/13/21	3/25	69%
11	1992	Weymouth Water Treatment Plant Hazardous Waste Staging and Containment	J.F. Shea Construction, Inc.	\$2,375,700	\$673,588	3/12/24	4/25	28%
12	1998	Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems	Ameresco, Inc.	\$11,604,521	\$7,738,898	10/7/21	9/25	67%
13	1999	Foothill Hydroelectric Power Plant Seismic Upgrade	West Valley Investment Group, Inc.	\$6,174,000	\$5,461,224	4/27/23	12/24	88%
14	2000	Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings	J. F. Shea Construction, Inc.	\$16,490,000	\$8,205,679	7/31/23	4/26	50%
15	2003	Metropolitan Headquarters Building Exterior Physical Security Improvements	Caltec, Corp.	\$2,241,019	\$2,208,922	1/12/23	12/24	99%
16	2004	DVL Floating Wave Attenuator Replacement	Power Engineering Construction Co.	\$7,842,856	\$388,586	3/12/24	10/25	5%
17	2014	Weymouth Plant Battery Energy Storage System ¹²	Siemens Industry, Inc.	\$6,476,521	\$5,560,887	7/18/22	11/24	81%
18	2018	Weymouth Water Treatment Plant Asphalt Pavement Rehabilitation	Granite Construction Company	\$1,754,000	\$1,693,925	4/10/24	10/24	97%
19	2020	Wadsworth Pumping Plant Bypass Pipeline ¹³	Steve P. Rados, Inc.	\$15,183,755	\$14,177,672	2/2/23	7/25	93%
20	2021	Inland Feeder/Rialto Pipeline Intertie ¹³	Steve P. Rados, Inc.	\$15,689,535	\$3,522,335	10/16/23	6/25	22%

¹³ This contract is funded by a state grant administered by DWR.

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁰	Earnings Through Sep. 2024 ¹¹	Start Date	Est. Completion Date	Est. Percent Complete
21	2024	OC-88 Pump Station Chiller Replacement ¹²	Mehta Mechanical Co., Inc. dba MMC Inc.	\$2,654,000	\$1,920,500	6/6/22	12/24	72%
22	2026	Second Lower Feeder PCCP Rehabilitation - Reach 3B ¹⁴	J.F. Shea Construction, Inc.	\$79,700,514	\$58,641,534	2/13/23	9/25	74%
23	2040	Inland Feeder Badlands Tunnel Surge Protection Facility ¹⁵	Steve P. Rados, Inc.	\$18,840,000	\$5,905,350	12/11/23	6/25	31%
24	2042	CRA Conveyance System Solar Level Sensor Installation	LEED Electric, Inc.	\$5,266,000	\$4,906,374	6/15/23	12/24	93%
25	2057	CRA Freda Siphon Barrel No.1 Internal Seal Installation	Miller Pipeline, LLC	\$3,895,000	\$2,539,992	10/9/23	6/25	65%
26	2058	Rialto Pipeline Rehabilitation at Station 2986+30	J.F. Shea Construction, Inc.	\$2,197,460	\$0	8/2/24	3/25	0%
27	2064	Colorado River Aqueduct Employee Housing Demolition and Roof Replacement	Resource Environmental, Inc.	\$1,285,000	\$0	10/2/24	5/25	0%
28	2108	Allen-McColloch Pipeline PCCP 2024 Urgent Relining	J.F. Shea Construction, Inc.	\$24,912,000	\$13,412,840	5/30/24	2/25	54%
Total contract value for active construction contracts:				\$458,431,358				

¹⁴ Change order for Allen-McColloch Pipeline PCCP 2024 Urgent Relining – Stage 1 is included in the contract amount shown in this table.

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

The following table lists the 19 ongoing procurement contracts at the end of the 1st Quarter.

Table 12: Active Procurement Contracts at the End of 1st Quarter

	Cont. No.	Contract	Contractor	Contract Amount ¹⁶	Earnings Through Sep. 2024 ¹⁷	Start Date	Est. Delivery Completion Date	Est. Percent Complete ¹⁸
1	1861	Furnishing Lubricated Plug Valves for Second Lower Feeder	Southwest Valve & Equipment, Inc.	\$2,380,909	\$2,362,968	9/11/17	D ¹⁹	99%
2	1867 ²⁰	Furnishing Butterfly Valves for the Weymouth Water Treatment Plant – Schedule 1	Crispin Valve, LLC	\$5,066,975	\$3,769,482	12/18/17	7/25	74%
3	1873	Furnishing One Hydraulic Shear System for the La Verne Maintenance Shops	Landmark Solutions, LLC	\$151,870	\$146,970	3/21/18	D ¹⁹	97%
4	1912	Furnishing Large-Diameter Conical Plug Valves	Ebara Corporation	\$23,750,060	\$19,585,112	12/24/18	1/25	82%
5	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 ¹⁹	99%
6	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%

¹⁶ 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.

¹⁷ Earnings reported in this table are the total contract earnings as they are known to be at the end of the reporting quarter.

¹⁸ 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.

¹⁹ All items were delivered prior to this reporting quarter but contract remains open pending use of manufacturer field services.

²⁰ 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.

	Cont. No.	Contract	Contractor	Contract Amount ¹⁶	Earnings Through Sep. 2024 ¹⁷	Start Date	Est. Delivery Completion Date	Est. Percent Complete ¹⁸
7	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 ¹⁹	87%
8	2002	Furnishing Steel Liner for Lakeview Pipeline ¹⁴	Northwest Pipe Company	\$23,565,941	\$7,958,731	12/14/23	12/24	34%
9	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	\$5,613,918	10/3/22	D ¹⁹	99%
10	2028	Furnishing Slide Gates for the San Jacinto Diversion Structure ²¹	Whipps, Inc.	\$820,853	\$0	12/8/22	6/25	0%
11	2029	Furnishing Slide Gates for East Lake Skinner Bypass Channel	Whipps, Inc	\$892,552	\$0	4/10/24	11/25	0%
12	2046	Furnishing a 20-inch Triple Offset Ball Valve for Service Connection CB-11	Cascade Consultants, LLC	\$407,800	\$372,400	3/8/23	D ¹⁹	91%
13	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%
14	2056	Furnishing a Brushless Motor Exciter System for Gene Pumping Plant Unit No. 1	WEG Electric	\$544,501	\$0	5/27/24	6/25	0%
15	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%

²¹ Granting of additional working days to complete procurement is being considered.

	Cont. No.	Contract	Contractor	Contract Amount ¹⁶	Earnings Through Sep. 2024 ¹⁷	Start Date	Est. Delivery Completion Date	Est. Percent Complete ¹⁸
16	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%
17	PO 214941	Furnishing Air Release and Vacuum Valves for San Diego Pipeline Nos. 3 and 5	B&K Valves and Equipment, Inc.	\$1,466,665	\$0	6/13/23	12/24	0%
18	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	1/25	0%
19	PO 219516	Furnishing Plug Valves for the Foothill Feeder and Rialto Pipeline	Caasi Flow Control	\$549,592	\$0	2/15/24	12/24	0%
Total contract value for active procurement contracts:				\$79,339,559				

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 13 and Table 14 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 13: Performance Metric Actuals, Construction Costs > \$3 Million

Project	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
CRA Conduit Structural Protection	Inspection	\$776,337	\$8,722,211	9% to 12%	8.9%
Jensen Ozone Critical Components Upgrade - Stage 1	Inspection	\$558,769	\$7,136,653	9% to 12%	7.8%
Lake Mathews PCCP Rehabilitation Valve Storage Building ²²	Inspection	\$753,477	\$5,005,245	9% to 12%	15.1%
Rialto Pipeline Rehabilitation at Station 2986+30	Final Design	\$399,024	\$3,382,460	9% to 12%	11.8%
Average	Final Design				11.8%
	Inspection				10.0%

Table 14: Performance Metric Actuals, Construction Costs < \$3 Million

Project ²³	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
CRA Employee Housing Demolition and Roof Replacement	Final Design	\$52,895	\$1,285,000	9% to 15%	4.1%
Metropolitan Headquarters Courtyard Improvements	Inspection	\$2,815	\$282,413	9% to 15%	1.0%
Average	Final Design				4.1%
	Inspection				1.0%

²² Inspection costs for the Lake Mathews PCCP Rehabilitation Valve Storage Building were higher than the target range due to longer than anticipated time to obtain a fire department permit for fire water line, which extended construction completion.

²³ Although an NOC was filed for the Headquarters Video Room Upgrades 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 20.9% of the construction costs using the best information available at the end of the reporting quarter which is higher than the target range due to an extension of the contract duration to obtain long lead items required to complete owner directed change order work.

Service Connections and Relocations

Service Connections

No new agreements for service connections were approved by the General Manager pursuant to Sections 4700-4708 during the reporting period (July through September 2024).

Relocations

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

Projects Expensed to Overhead

There are no expensed projects to report during the 1st Quarter of FY 2024/25 (July through September 2024).

Program Status

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

Table 15: Program Fund vs. Cost and Planned Expenditures vs. Actuals

Capital Programs	Total to Date		Biennium to Date	
	Funded Amount (\$1,000's)	Costs thru September 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Additional Facilities and Systems	\$316,965	\$293,721	\$5,710	\$4,476
Climate Adaptation	\$246,080	\$224,896	\$2,900	\$3,306
Colorado River Aqueduct	\$605,280	\$516,324	\$14,590	\$18,616
Dams & Reservoirs	\$154,295	\$129,637	\$7,230	\$2,709
Distribution System	\$868,783	\$800,283	\$20,010	\$21,467
Drought Mitigation - SWP Dependent Areas	\$76,803	\$76,043	\$6,200	\$10,643
Information Technology & Control Systems	\$258,833	\$237,534	\$5,360	\$3,201
Minor Capital Projects	\$108,154	\$86,014	\$2,125	\$1,771
Prestressed Concrete Cylinder Pipe	\$535,761	\$421,569	\$2,770	\$23,411
Water Treatment Plants	\$2,514,503	\$2,340,613	\$20,310	\$18,097
Total CIP	\$5,685,456	\$5,126,635	\$87,205	\$107,697

Notes on the above table:

- Numbers may not sum due to rounding.
- Numbers are based on the general ledger information downloaded on 10/10/2024.
- \$0 under Planned Expenditures indicates that while no expenditures are planned during the reporting period, expenditures may be planned during upcoming periods.
- Negative actual expenditures indicate the result of cost transfers, write-offs, or credits greater than actual costs for this biennium through the reporting quarter.

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