



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Engineering Services Group

- **Capital Investment Plan Quarterly Report for period ending June 30, 2024**

Summary

The attached report provides a summary of actions and accomplishments on the Capital Investment Plan (CIP) during the fiscal years 2022/23 and 2023/24. 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 April to June 2024, the fourth quarter of fiscal year 2023/24, and the final quarter of the fiscal years 2022/23 and 2023/24 biennium.

Purpose

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

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

Sections 4700-4708 of Metropolitan's Administrative Code require 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 June 2024



The Metropolitan Water District of Southern California

Capital Investment Plan

Quarterly Report

April - June 2024



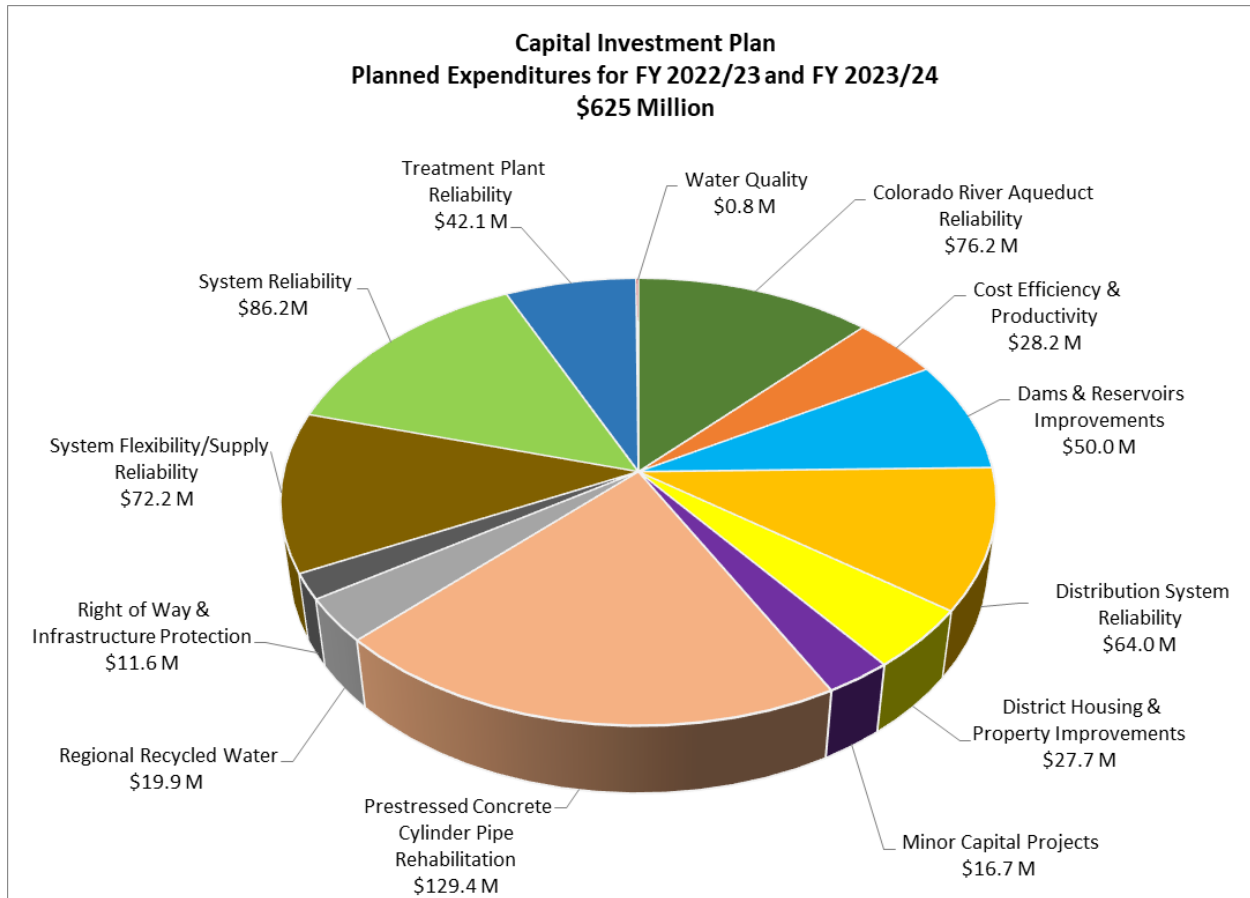
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Capital Investment Plan for Fiscal Years 2022/23 & 2023/24

In April 2022, the Board appropriated \$600 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 projects identified in the Capital Investment Plan (CIP) for FYs 2022/23 and 2023/24. In this reporting quarter, the Board approved and appropriated an increase of \$25 million to the CIP for a new biennium amount of \$625 million. Figure 1 below shows the planned expenditures by program.

Figure 1: CIP for FY 2022/23 and FY 2023/24 by Program



[Cover photos: (left to right; top to bottom): *Perris Valley Pipeline I-215 Tunnel Crossing* – Installing the first carrier pipe in Shaft No. 3; *Inland Feeder/Rialto Pipeline Intertie* – Placement of concrete in a new valve vault; *Lake Mathews PCCP Rehabilitation Valve Storage Building* – View of the building interior]

Executive Summary

This report provides a summary of the Capital Investment Plan (CIP) activities and accomplishments during the 4th Quarter of Fiscal Year (FY) 2023/24, which ended in June 2024. CIP expenditures through the 4th Quarter and at the end of the current biennium totaled \$624.7 million. The CIP funds allocated to specific projects through the reporting quarter totaled \$625.0 million, leaving approximately \$9,400 unallocated.

During the quarter, eleven project-specific board actions were heard in open sessions. Three construction contracts and three procurement contracts were awarded by the Board during the reporting period with a total contract amount of approximately \$29.0 million. During the same time, a total of approximately \$63.2 million in contract payments were authorized, reflecting construction progress on projects such as Badlands Tunnel Surge Protection Facility, Colorado River Aqueduct (CRA) Conduit Structural Protection, CRA Conveyance System Level Sensor Installation, CRA Freda Siphon Barrel No. 1 Internal Seal Installation, Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings, Inland Feeder/Rialto Pipeline Intertie, Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems, Mills Electrical Upgrades - Stage 2, Perris Valley Pipeline Interstate 215 Tunnel Crossing, Second Lower Feeder PCCP Rehabilitation – Reach 3B, Wadsworth Pumping Plant Bypass Pipeline, and Weymouth Basins 5 8 & Filter Building No. 2 Rehabilitation.

Board Action Summary

During the 4th Quarter, board actions heard in open session included eleven project-specific actions summarized in Table 1 below. These actions awarded six contracts totaling approximately \$29.0 million, authorized four new professional/technical services agreement for a not-to-exceed amount of \$12.0 million, authorized an increase to three professional/technical services agreements for an amount not-to-exceed \$3.7 million, appropriated \$636.48 million for projects identified in the CIP for FYs 2024/25 and 2025/26, and approved and appropriated an increase of \$25 million to the CIP for FYs 2022/23 and 2023/24. Information on the awarded contracts can be found in Table 10 of this report. The table below excludes information on board items heard in closed session.

Table 1: 4th Quarter Board Actions

Month	Board Letter Item No.	Project	Action Taken
April	7-1	La Verne Water Quality Laboratory Building Upgrades – Laboratory Equipment Replacement	Certified Final Program EIR for upcoming projects at the Weymouth Water Treatment Plant and La Verne Site, and awarded three procurement contracts for a total of \$2,904,755
April	7-2	Sepulveda Feeder PCCP Rehabilitation - Reach 9	Authorized an agreement not-to-exceed \$3,000,000
April	7-3	Black Metal Mountain 2.4 kV Electrical Power Upgrades	Authorized an increase of \$1,100,000 to an existing agreement
April	7-4	Gene Pumping Plant Pilot Security Improvements	Awarded a \$295,562 construction contract
April	8-1	Capital Investment Plan for Fiscal Years 2024/25 and 2025/26	Appropriated \$636.48 million for projects identified in the CIP for FYs 2024/25 and 2025/26

Month	Board Letter Item No.	Project	Action Taken
May	7-1	CRA Conduit Erosion Control Improvements	Authorized an increase not-to-exceed \$2,350,000 to an existing agreement
May	7-2	Jensen Flocculator System Upgrades	Authorized an unplanned project
May	8-1	Allen-McColloch Pipeline Urgent PCCP Rehabilitation - Stage 2	Awarded a \$24,912,000 construction contract and authorized an increase of \$250,000 to an existing agreement
June	7-2	On-call Agreements for Engineering Services	Authorized three on-call agreements not-to-exceed \$3 million each
June	7-3	Santa Monica Feeder Cathodic Protection	Awarded a \$897,469 construction contract
June	8-1	Capital Investment Plan for Fiscal Years 2022/23 and 2023/24	Approved and appropriated an increase of \$25 million to the CIP for FYs 2022/23 and 2023/24

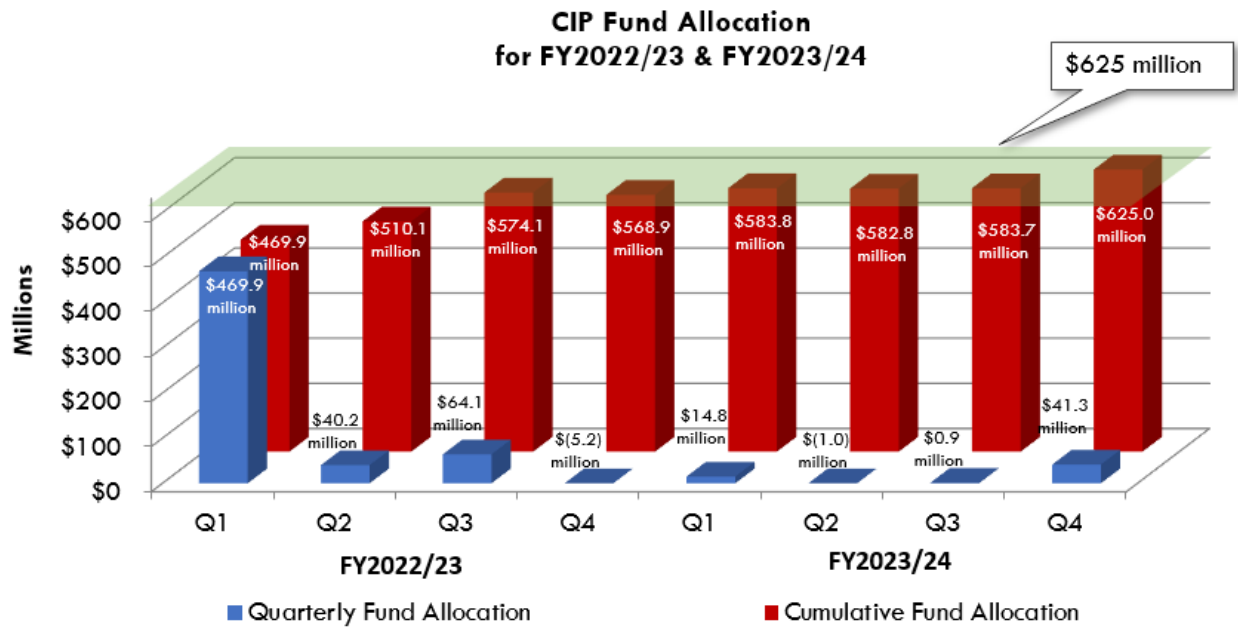
The previously referenced April 2022 and June 2024 board actions appropriated a total of \$625 million to perform work on planned CIP projects through the current biennium. To be considered a planned project, the project must be identified and described in the Capital Investment Plan Appendix for the two-year budget cycle. Consistent with the April 2022 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 4th Quarter, the board amended the CIP to include one new CIP project, Jensen Flocculator System Upgrades.

Figure 2 shows the allocation of the funds from Appropriation No. 15525 for this quarter and total for the current biennium through the quarter¹, which is approximately \$625.0 million, leaving approximately \$9,400 unallocated. This amount includes allocation of \$14.4 million to the Minor Capital Projects Program. During the 4th Quarter, approximately \$14.3 million was allocated for work authorized and approximately a net amount of \$27.1 million was reallocated from the CIP Appropriation 15525 to projects that had prior authorization. Details of the allocations for work authorized during the reporting quarter and from the prior biennium can be found in the **Project Actions** section.

¹ The CIP Quarterly Report for the 1st Quarter of FY 2023/24 reported the CIP allocation for Q1 of FY 2023/24 to be \$583.7 million, which is being amended to \$583.8 million in this quarter’s report. This change is necessary to reflect the correction of the amount authorized for the current biennium for Lake Mathews Administration and Warehouse Roof Building Replacement from \$700,886 to \$770,000 and Delta Properties Infrastructure Improvements – Phase 5 from \$515,528 to \$516,000.

The CIP Quarterly Report for the 2nd Quarter of FY 2023/24 reported the CIP allocation for Q2 of FY 2023/24 to be \$582.4 million, which is being amended to \$582.7 million in this quarter’s report. This change is necessary to reflect the correction of the amount authorized for the current biennium for Lake Skinner Outlet Tower Butterfly Valve Replacement from \$340,000 to \$573,525 and Lake Skinner Outlet Tower Seismic Upgrade from \$1,229,000 to \$1,290,000.

Figure 2: CIP Fund Allocation from Appropriation No. 15525 – FY 2022/23 and FY 2023/24



*Numbers may not sum due to rounding

Information on construction and procurement contracts activities for the 4th Quarter of FY 2023/24 is presented in the **Construction and Procurement Contracts** section of this report. Progress payments for these contracts in the 4th Quarter totaled approximately \$63.2 million and primarily reflect construction progress on Badlands Tunnel Surge Protection Facility, Colorado River Aqueduct (CRA) Conduit Structural Protection, CRA Conveyance System Level Sensor Installation, CRA Freda Siphon Barrel No. 1 Internal Seal Installation, Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings, Inland Feeder/Rialto Pipeline Intertie, Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems, Mills Electrical Upgrades - Stage 2, Perris Valley Pipeline Interstate 215 Tunnel Crossing, Second Lower Feeder PCCP Rehabilitation – Reach 3B, Wadsworth Pumping Plant Bypass Pipeline, and Weymouth Basins 5 8 & Filter Building No. 2 Rehabilitation.

Planned Expenditure and Budget

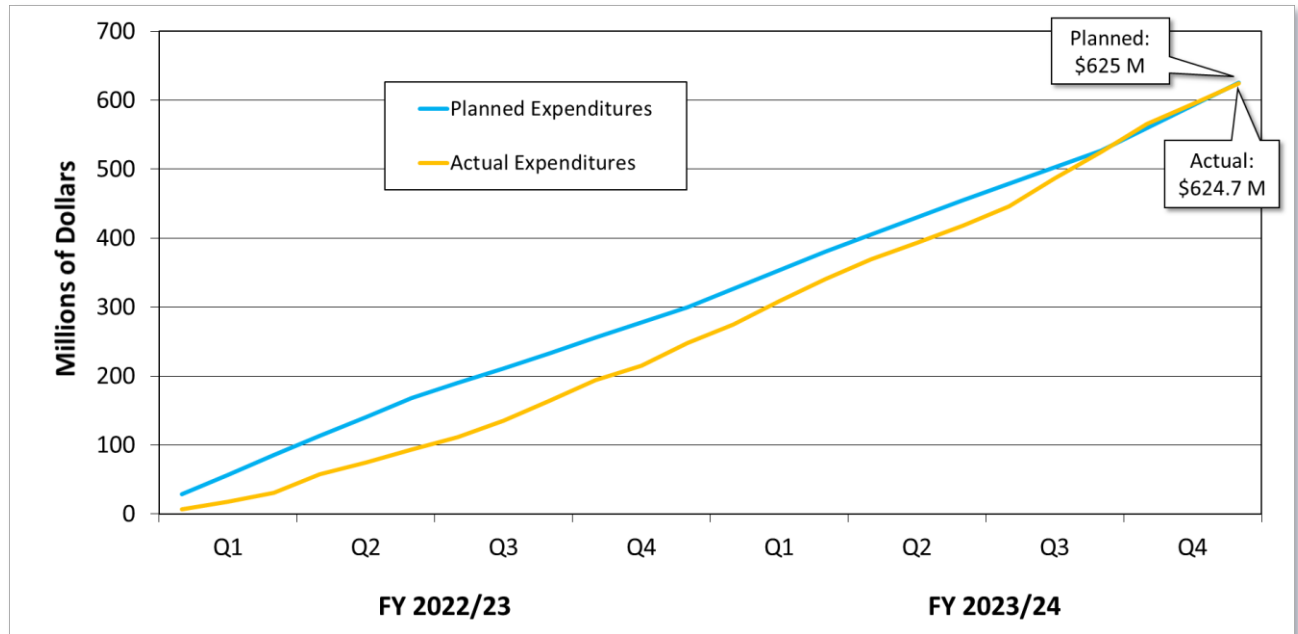
Table 2 and Figure 3 below show planned and actual expenditures for the biennium through the end of the 4th Quarter of FY 2023/24, and the forecast of expenditures through the end of the current biennium, against planned expenditures for the same time interval. Actual expenditures through the 4th Quarter of FY 2023/24 were 99.95% of planned expenditures.

Table 2: Planned & Actual Expenditures for FYs 2022/23 & 2023/24

Quarter	Planned Expenditures (millions)	Actual Expenditures (millions)
FY 2022/23, Q1	\$85.3	\$30.4
FY 2022/23, Q2	\$82.8	\$63.4
FY 2022/23, Q3	\$64.9	\$70.2
FY 2022/23, Q4	\$67.0	\$83.7
FY 2023/24, Q1	\$80.2	\$93.2
FY 2023/24, Q2	\$75.1	\$77.5
FY 2023/24, Q3	\$71.1	\$106.0
FY 2023/24, Q4	\$98.7	\$100.4
Totals*	\$625.0	\$624.7

* 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 \$625 million and the actual expenditures at the end of the current biennium are approximately \$624.7 million.

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 will be reported 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. 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 March 2024 were submitted and approved by DWR for \$7.46 million to be reimbursed. As of June 2024, a total of \$11.6 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.

Battery Energy Storage System Projects

In October 2020, Metropolitan's Board authorized amending the CIP Appendix to add unplanned battery energy storage system (BESS) projects 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 first half of FY 2024/25 and Jensen & Skinner BESS construction estimated to be completed in FY 2024/25. 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 in order to receive reimbursement of expenditures that comply with the grant requirements. During the reporting quarter, an RFP was released to find a farming partner to convert the existing agricultural lands to rice farming. Deadline for proposal submission is on August 2, 2024. Metropolitan Board action to award a farming lease agreement is expected in Fall 2024. Wetland design is ongoing with preliminary design expected to be completed by October 2024. 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 13 programs, which capture all projects within the CIP. The 13 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.

- Colorado River Aqueduct (CRA) Reliability
- Cost Efficiency & Productivity
- Dams & Reservoirs Improvements
- Distribution System Reliability
- District Housing & Property Improvements
- Minor Capital Projects
- Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation
- Regional Recycled Water Supply
- Right-of-Way and Infrastructure Protection
- System Flexibility/Supply Reliability
- System Reliability
- Treatment Plant Reliability
- Water Quality

For the current biennium, the CIP includes over 37 project groups, 60 planned appropriations, and 447 planned projects (excluding Minor Capital Projects). The list of appropriations that make up each of the programs, along with planned expenditures and actual costs to date for those appropriations, are provided in Table 16 at the end of this report.

Figure 4 below shows actual expenditures for the 13 capital programs for 4th Quarter of FY 2023/24.

Figure 4: Biennium-to-date Actual Expenditures through 4th Quarter FY 2023/24



Major Capital Project Programs – Highlights

This section provides 4th Quarter highlights for the 12 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 4th Quarter of FY 2023/24 or are scheduled to achieve major milestones in the next quarter.

Table 3: Major Capital Projects Programs

Program	Project
Colorado River Aqueduct (CRA) Reliability	CRA Pumping Plant Overhead Cranes Replacement
Cost Efficiency & Productivity	Services Procurement Implementation
Dams and Reservoirs Improvements	Garvey Reservoir Rehabilitation
Distribution System Reliability	Rialto Pipeline Rehabilitation at Station 2986+30
District Housing & Property Improvements	Program highlights only
Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation	Allen-McColloch Pipeline PCCP Urgent Rehabilitation – Stages 1 & 2
Regional Recycled Water	Program highlights only
Right-of-Way & Infrastructure Protection	Program highlights only
System Flexibility/Supply Reliability	Wadsworth Pumping Plant Bypass Pipeline
System Reliability	Applications-Servers Upgrades from Old Windows Operating System
Treatment Plant Reliability	Mills Electrical Upgrades – Stage 2
Water Quality	Program highlights only

Colorado River Aqueduct (CRA) Reliability Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$88.65 million

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

Program Highlights (4th Quarter)

Accomplishments

- Initiated equipment procurement of the following project:
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
- Continued construction activities for the following contracts:
 - CRA Conduit Structural Protection
 - CRA Conveyance System Flow Level Sensor Installation
 - CRA Domestic Water Treatment System Upgrades at all five pumping plants
 - CRA Pumping Plants Overhead Cranes Replacement
 - Gene Communication System Upgrades
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
- Awarded a construction contract for Gene Pumping Plant Pilot Security Improvements
- Continued final design of the following projects:
 - Cabazon Radial Gates Facility Improvements
 - Copper Basin Reservoir Discharge Valve Structure Rehabilitation
 - 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
- Initiated final design of the following projects:
 - Black Metal Mountain 2.4 kV Electrical Power Upgrades
 - CRA Pumping Plants 2.3 kV Switchrack Rehabilitation – Iron Mountain Pumping Plant
- Authorized consulting agreement for final design of the following project:
 - CRA Conduit Erosion Control Improvements
- Continued preliminary design of the following projects:
 - CRA Desert Region Security Improvements – Stage 2
 - Hinds Pumping Plant Discharge Valve Platform Replacement
- 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 Conduit Structural Protection
 - CRA Conveyance System Flow Level Sensor Installation
 - CRA Domestic Water Treatment System Upgrades at all five CRA pumping plants
 - CRA Pumping Plants Overhead Cranes Replacement
 - Gene Communication Reliability Upgrades
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
 - Gene Pumping Plant Pilot Security Improvements
- Continue procurement of the following project:
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
- Continue final design of the following projects:
 - Black Metal Mountain 2.4 kV Electrical Power Upgrades
 - Cabazon Radial Gates Facility Improvements
 - Copper Basin Reservoir Discharge Valve Structure Rehabilitation
 - CRA Conduit Erosion Control Improvements
 - CRA Desert Region Security Improvements – Stage 1
 - CRA Pumping Plant Sump System Rehabilitation
 - CRA Pumping Plant Village Utility Replacement
 - CRA Pumping Plants 2.3 kV Switchrack Rehabilitation – Iron Mountain Pumping Plant
 - CRA Pumping Plants Main Pump Access Improvements
- Continue preliminary design of the following projects:
 - CRA Desert Region Security Improvements – Stage 2
 - Hinds Pumping Plant Discharge Valve Platform Replacement
- CRA Main Pump Motor Rehabilitation:
 - Continue study to assess rehabilitation options for pump units and their ancillary support systems for all five pumping plants

CRA Pumping Plant Overhead Cranes Replacement

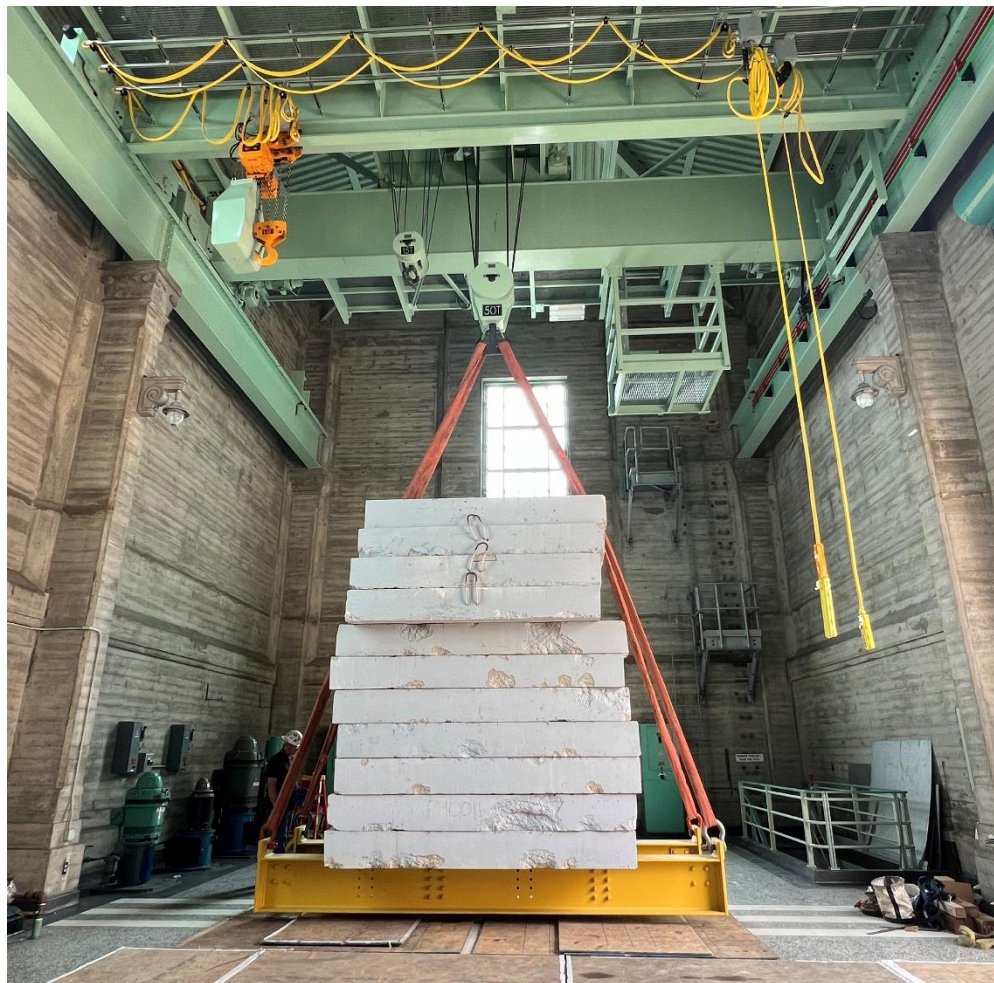
Total Project Estimate:
\$19.7 million

Total Project Cost to Date:
\$19.0 million

This project replaces the overhead bridge crane at all five pumping plants. It also makes improvements to the electrical system, abates hazardous materials, and performs seismic retrofit of the below-grade pump bays.

Phase	Construction
% Complete for Construction	100%
Construction Contract Award Date	September 2020
Construction Completion Date	June 2024
Contract Number	1946

The contractor completed installation of the overhead crane at Intake, completed punch-list items at the other facilities, and notices of completion (NOC) were filed with the Counties of Riverside and San Bernardino. In the upcoming quarter, work will begin on updating the as-built record drawings and project closeout.



Load Testing of Overhead Crane at Intake Pumping Plant

Cost Efficiency and Productivity Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$17.6 million

Program Information: The Cost Efficiency and Productivity Program is composed of projects to upgrade, replace, or provide new facilities, software applications, or technology, which will provide economic savings that outweigh project costs through enhanced business and operating processes.

Program Highlights (4th Quarter)

Accomplishments

- Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
 - Continued construction
- Diamond Valley Lake to Lake Skinner Trail
 - Continued final design
- Enterprise Content Management Phase II
 - Continued design
- Oracle Database Upgrade
 - Continued execution of the migration plan
- Payroll-Timekeeping Reimplementation
 - Continued design
- Real Property Group Business System Replacement
 - Continued preparation for financial integration testing
- WIFI Implementation
 - Executed consulting agreement for design at San Bernardino Region sites

Upcoming Activities

Upcoming work for the next quarter will include:

- Battery Energy Storage Systems at Jensen, Weymouth, and Skinner Plants
 - Continue construction
- Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
 - Continue construction
- Oracle Database Upgrade
 - Continue database migration
- Payroll-Timekeeping Reimplementation
 - Continue design
- Real Property Group Business System Replacement
 - Continue financial system integration
- WIFI Implementation
 - Receive initial design for San Bernardino Region sites
- WINS Water Billing System Upgrade
 - Continue system upgrade

Services Procurement Implementation

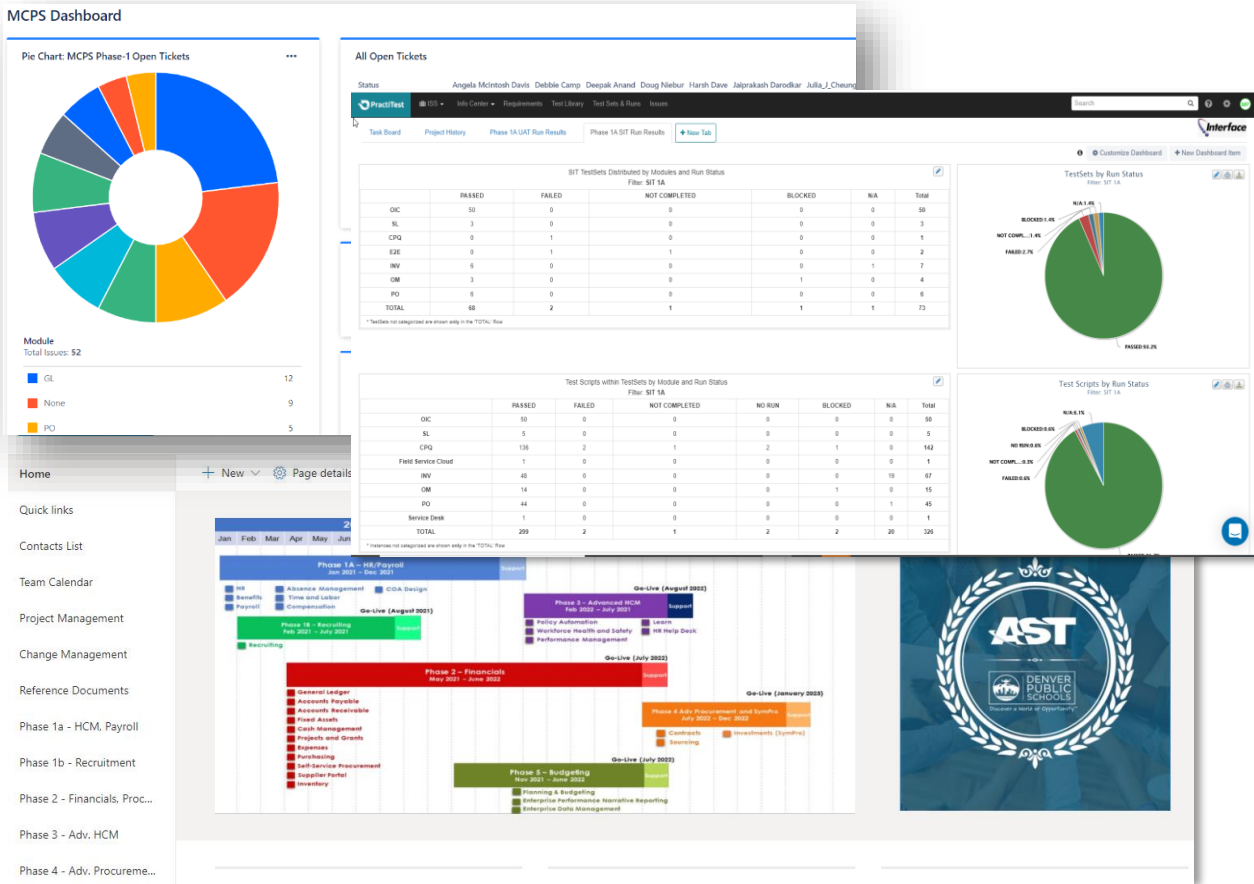
Total Project Estimate:
\$1.72 million

Total Project Cost to Date:
\$0.01 million

This project will implement a new Oracle services procurement module from the Oracle Enterprise Business Suite. This implementation, as part of the E-Business Suite, will help streamline the Construction Contracts & Procurement business process, automating retention or other withholdings required to be specified as liabilities in the General Ledger (GL), and will eliminate missed retention withholdings from future payments and record the transaction correctly and timely in the GL.

Phase	Final Design
% Complete for Current Phase	12%
Current Phase Initiated	May 2024
Estimated Project Completion Date	April 2025

The stakeholders' requirements were gathered, and the preliminary design was completed. Conference room pilot demo is in progress. In the upcoming quarter, the final design will be completed.



Services Procurement Implementation Example Platform Dashboards

Dams and Reservoirs Improvements Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$5.91 million

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

Program Highlights (4th Quarter)

Accomplishments

- Diamond Valley Lake Dam Monitoring System Upgrades
 - Continued final design of the new system
- Garvey Reservoir Dam Monitoring System Upgrades
 - Completed installation of new system equipment and began setup, testing, and commissioning
- Garvey Reservoir Rehabilitation
 - Continued final design
 - Issued Draft EIR for public review
- Lake Skinner Outlet Tower Butterfly Valve Replacement
 - Continued valve fabrication
- Lake Skinner Outlet Tower Seismic Upgrade
 - Continued detailed seismic evaluation of outlet tower

Upcoming Activities

Upcoming work for the next quarter will include:

- Diamond Valley Lake Dam Monitoring System Upgrades
 - Continue final design of the system upgrade and authorize procurement of the new equipment
- Garvey Reservoir Dam Monitoring System Upgrades
 - Complete testing of new system and conduct staff training
- Garvey Reservoir Rehabilitation
 - Continue final design
- Lake Skinner Outlet Tower Butterfly Valve Replacement
 - Continue valve fabrication
- Lake Skinner Outlet Tower Seismic Upgrade
 - Continue detailed seismic evaluation of outlet tower

Garvey Reservoir Rehabilitation

Total Project Estimate:
\$98.5 million

Total Project Cost to Date:
\$4.7 million

This project will refurbish aging facilities at the Garvey Reservoir site and restore them to reliable operating condition.

Phase	Final Design
% Complete for Current Phase	35%
Current Phase Authorized	May 2023
Estimated Completion Date of Current Phase	April 2025

30% final design of the outlet tower was completed. In the upcoming quarter, the design consultant will submit 60% final design to Metropolitan for review and comment.



View of the existing Garvey Reservoir floating cover and outlet tower

Distribution System Reliability Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$105.72 million

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

Program Highlights (4th Quarter)

Accomplishments

- Completed construction for the following construction contracts:
 - Lake Mathews Wastewater System Replacement
 - Sepulveda, West Valley, and East Valley Feeders Interconnection Electrical Upgrades
- Awarded the following construction contract:
 - Santa Monica Feeder Cathodic Protection

Upcoming Activities

Upcoming work for the next quarter will include:

- Continue construction activities planned for the following projects:
 - Foothill Hydroelectric Power Plant Seismic Upgrade
 - OC-88 Pump Station Chiller Replacement
- Continue design for the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades
 - Hollywood Tunnel North Portal
- 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

Rialto Pipeline Rehabilitation at Station 2986+30

Total Project Estimate:
\$4.6 million

Total Project Cost to Date:
\$1.1 million

This project will replace an approximately 35-foot segment of a 120-inch diameter steel pipe located in the City of Upland, replace a 24-inch diameter butterfly valve at service connection CB-11 with a 20-inch triple offset ball valve, and replace six 16-inch diameter lubricated plug valves.

Phase	Procurement
% Complete for Final Design	100%
% Complete for Procurement	85%
Final Design Authorized	October 2022
Procurement Contract Award Date	February 2023
Final Design Completion Date	May 2024
Estimated Procurement Completion Date	August 2024
Procurement Contract Number	2046

Final design was completed, and a construction bid package was advertised. In the upcoming quarter, a construction contract will be awarded, and a 20-inch triple offset ball valve will be delivered to the site.



Performing inspection of 120-inch diameter steel pipe with missing mortar lining

District Housing & Property Improvements Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$10.13 million

Program Information: The District Housing & Property Improvements Program is composed of projects to refurbish or upgrade workforce housing at Metropolitan to enhance living conditions to attract and retain skilled employees.

Program Highlights (4th Quarter)

Accomplishments

- Completed assessment of the alternative housing analysis to provide the most optimal recommendation at four pumping plants (Hinds, Eagle Mountain, Iron Mountain, and Gene)

Upcoming Activities

Upcoming work for the next quarter will include:

- Provide an update to the Board regarding staff's recommendation for the housing, recreational amenities, and the lodges and kitchens with associated costs at four pumping plants (Hinds, Eagle Mountain, Iron Mountain, and Gene)

Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$110.45 million

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

Program Highlights (4th Quarter)

Accomplishments

- PCCP Rehabilitation Valve and Equipment Storage Building
 - Completed construction and notice of completion will be filed in July 2024
- Second Lower Feeder
 - Reach 3B – Completed construction activities related to the first of two planned shutdowns. Work completed 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 – Continued fabrication and inspection of the remaining three 54-inch valves. To date, Metropolitan has received ten of thirteen large-diameter conical plug valves and actuators, including three 48-inch and seven 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 westside pump stations project has prompted a re-prioritization of this northern section.
 - Reach 9 – The Board authorized 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.
 - Urgent Carbon Fiber Reinforced Polymer (CFRP) Relining at Stations 569+40, 760+33, and 921+69 – Completed construction
- Allen-McColloch Pipeline Urgent Relining
 - Stage 1 – Completed rehabilitation of approximately 2,200 feet out of a total of approximately 4,600 feet of PCCP planned to be relined, including 41 feet of carbon fiber reinforced polymer liner and the remainder with steel
 - Stage 2 – The Board awarded a construction contract to rehabilitate 12,700 feet of PCCP pipeline.

Upcoming Activities

Upcoming work for the next quarter will include:

- Second Lower Feeder
 - Reach 3B - Prepare for work related to the second shutdown, which is scheduled to start in December 2024 and end in April 2025
 - Isolation Valve Procurement - Continue fabrication of the remaining three valves
- Sepulveda Feeder
 - Reach 1 - Continue final design and permitting process for long-lead permits from Caltrans, City of Los Angeles, and City of Torrance
 - Reach 2 - Continue final design and permitting process
 - Reach 9 - Begin final design to rehabilitate 3.8 miles of PCCP
 - North Reach – Continue preliminary design
- Allen-McColloch Pipeline Urgent Relining
 - Stage 1 - Continue rehabilitation of the remaining 2,400 feet of PCCP
 - Stage 2 - Begin rehabilitation of approximately 12,700 feet of PCCP pipeline

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

Total Project Estimate:

\$67.0 million

Total Project Cost to Date:

\$13.6 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	60%
% Complete for Construction for Stage 2	10%
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 ²	2026, 2088
Construction Contract Number for Stage 2	2108

Relineing work for Stage 1 began in March. All relining work upstream of OC-88 and installation of the bulkhead were completed in April, and the AMP returned to service from the Diemer Plant to OC-88. Rehabilitation of 2,300 feet of steel liner installation downstream of OC-88 as part of Stage 1 is currently underway. The Board awarded a construction contract for Stage 2 in May 2024. In the upcoming quarter, the contractor will mobilize and begin excavation works.

² Stage 1 construction is being performed under two existing construction Contract Nos. 2026 and 2088 via change orders.



Placement of concrete encasement for the pipe closure piece in the City of Irvine performed under Stage 1

Regional Recycled Water Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$2.87 million

Program Information: The Regional Recycled Water Program includes the design and construction of the Advanced Water Treatment (AWT) Demonstration Plant (now known as the Grace F. Napolitano Pure Water Southern California Innovation Center), which represents the initial step in development of a potential regional recycled water system for recharge of groundwater basins within Southern California.

Program Highlights (4th Quarter)

Accomplishments

- Advanced Water Treatment Demonstration Facility
 - Continued performing tertiary membrane bioreactor (MBR) optimization testing
 - Completed updates of record drawings to incorporate recent improvements
- Direct Potable Reuse Demonstration Facility
 - Completed preparation of the direct potable reuse (DPR) bench-scale testing report
 - Continued developing DPR pilot testing and site improvement plans

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
 - Prepare improvement plans to address long-term site security
- Direct Potable Reuse Demonstration Facility
 - Prepare procurement packages for DPR pilot testing equipment
 - Prepare conceptual design report for DPR pilot system
 - Continue with site improvement planning effort to support DPR pilot testing

Right-Of-Way and Infrastructure Protection Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$1.93 million

Program Information: The Right of Way Infrastructure Protection Program (RWIPP) is comprised of projects to refurbish or upgrade above-ground facilities and right-of-way along Metropolitan’s pipelines to address access limitations, erosion-related issues, and security needs.

Program Highlights (4th Quarter)

Accomplishments

- Riverside and San Diego County – Stage 1
 - Began preliminary design
- Riverside and San Diego County – Upper Feeder Station 919+54 and Lower Feeder Stations 40+06 and 90+08
 - Began site investigation
- Los Angeles County Region – Stage 1
 - Continued final design

Upcoming Activities

Upcoming work for the next quarter will include:

- Western San Bernardino Region – Stage 2
 - Advertise construction documents

System Flexibility/Supply Reliability Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$73.37 million

Program Information: The System Flexibility/Supply Reliability Program is comprised of projects to increase the capacity and flexibility of Metropolitan’s water supply and delivery infrastructure to meet service demands. Projects under this program address climate change affecting water supply, regional drought, and alternative water sources for areas dependent on State Project Water.

Program Highlights (4th Quarter)

Accomplishments

- Badlands Tunnel Surge Protection Facility
 - Completed excavation and started construction of valve vault and surge tank foundations
- Inland Feeder/Rialto Pipeline Intertie
 - Completed excavation and started construction of a valve vault foundation
- 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
- Perris Valley Pipeline I-215 Tunnel Crossing
 - Completed excavation for the fourth tunnel shaft
 - Completed the second tunnel segment
- Sepulveda Feeder Pump Stations
 - Continued Phase 1 design under a progressive design-build services agreement
- Wadsworth Pumping Plant Bypass Pipeline
 - Completed installation of all piping and related shutdown work

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 Tank Facility: Continue construction
 - Inland Feeder/Rialto Pipeline Intertie: Continue construction
 - Inland Feeder/San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pump Station Intertie: Continue CEQA document preparation, environmental permitting, and right-of-way acquisition; Continue valve procurement
 - Wadsworth Pumping Plant Bypass Pipeline: Continue construction
- Perris Valley Pipeline I-215 Tunnel Crossing
 - Continue construction –Complete tunneling of final segment
- Sepulveda Feeder Pump Stations
 - Continue Phase 1 progressive design-build
 - Proceed with procurement of long-lead equipment

Wadsworth Pumping Plant Bypass Pipeline

Total Project Estimate:
\$21.2 million

Total Project Cost to Date:
\$18.6 million

This project will construct a bypass pipeline between the Wadsworth Pumphouse Conduit and the Eastside Pipeline to allow continuous pumping of water from DVL Forebay into the Eastside Pipeline while filling the forebay with water from DVL at the same time. This project is part of the Rialto Pipeline Water Supply Reliability Improvements, a series of drought response projects.

Phase	Construction
% Complete for Construction	86%
Construction Contract Award Date	January 2023
Estimated Construction Completion Date	June 2025
Contract Number	2020

The contractor completed bypass tie-in pipeline installation during the pipeline shutdown in April 2024. In the upcoming quarter, the contractor will install electrical and control instrumentation equipment.



Contractor using crane to lift bypass tie-in pipeline

System Reliability Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$85.84 million

Program Information: The System Reliability Program is comprised of projects to improve or modify facilities located throughout Metropolitan’s service area to utilize new processes and/or technologies and improve facility safety and overall reliability. These include projects related to Metropolitan’s Supervisory Control and Data Acquisition (SCADA) system and other Information Technology projects.

Program Highlights (4th Quarter)

Accomplishments

- Control System Upgrade – Phase 4
 - Received 90% final design submittal for Mills plant conduits
- Datacenter Backup Infrastructure Upgrade
 - Completed implementation
- Desert Microwave Site Tower Upgrades
 - Continued preparation of design packages
- Enterprise Data Analytics
 - Completed negotiations with selected vendor
- Headquarters Building Physical Security Improvements - Stage 3
 - Continued construction
- Headquarters Fire Alarm/Smoke Control Upgrades
 - Continued final sign-off by fire department and building department of new fire alarm and smoke control system upgrades
- Headquarters Network Switch Replacement
 - Continued equipment installation
- Headquarters Video Room Upgrades
 - Continued construction
- La Verne Water Quality Laboratory Building Upgrades
 - Awarded laboratory equipment procurement contracts
- Security Operations Center MWD Cyber Security Upgrade – Stage 1
 - Deployed initial monitoring capabilities
- Weymouth Area Paving
 - Began Construction

Upcoming Activities

Upcoming work for the next quarter will include:

- Headquarters Building Physical Security Improvements - Stage 3
 - Complete construction
- Headquarters Fire Alarm & Smoke Control Upgrades
 - Obtain final sign-off by fire department and building department of new fire alarm and smoke control system upgrades and issue notice of completion
- Headquarters Network Switch Replacement
 - Continue equipment installation

- Headquarters Video Room Upgrades
 - Complete construction
- La Verne Water Quality Laboratory Building Upgrades
 - Continue laboratory equipment procurement activities
- Security Operations Center MWD Cyber Security Upgrade – Stage 1
 - Go live with additional functionality
- Weymouth Area Paving
 - Continue construction

Applications-Servers Upgrades from Old Windows Operating System

Total Project Estimate:
\$3.6 million

Total Project Cost to Date:
\$0.3 million

This project will provide the upgrades and migrations of legacy applications and remove unsupported Operating Systems from MWD infrastructure.

Phase	IT Design
% Complete for Current Phase	50%
Current Phase Authorized	February 2024
Estimated Completion Date of Current Phase	February 2025

The migration of Azure servers was completed, and the unused servers were decommissioned. The legal server and the WINS authentication databases were upgraded. In the upcoming quarter, the vendor agreement will be executed, and legacy application migrations will begin.



Microsoft Azure Cloud Platform Overview

Treatment Plant Reliability Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$112.35 million

Program Information: The Treatment Plant Reliability Program is comprised of projects to replace or refurbish facilities and components of Metropolitan's five water treatment plants to continue to reliably meet treated water demands.

Program Highlights (4th Quarter)

Accomplishments

- Completed construction for the following project:
 - Jensen Ozone PSU Replacement – Stage 1
- Continued construction for the following projects:
 - Mills Electrical Upgrades – Stage 2
 - Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
- Began construction for the following projects:
 - Diemer Power and Distribution Panel Upgrade
 - Weymouth Hazardous Waste Staging and Containment
- Completed equipment procurement for the following project:
 - Diemer Power and Distribution Panel Upgrade
- 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 Finished Water Reservoir Rehabilitation
 - Jensen Modules Nos. 2 & 3 Solids Removal System Rehabilitation
 - Jensen Reservoir Bypass Gate Replacement
 - Jensen Solids Mechanical Dewatering Facility
 - La Verne Water Quality Laboratory Building Upgrades
 - Mills Basin Solids Removal System Rehabilitation
 - Mills Finished Water Reservoir Rehabilitation
 - Mills Perimeter Security & Erosion Control Improvements
- Began preliminary design for the following projects:
 - Jensen Bromate Control Upgrades

Upcoming Activities

Upcoming work for the next quarter will include:

- Complete testing and commissioning of the following project:
 - Jensen Ozone PSU Replacement – Stage 1
- Continue construction of the following projects:
 - Diemer Power and Distribution Panel Upgrade
 - Mills Electrical Upgrades – Stage 2
 - 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 Upgrades
- 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
 - La Verne Water Quality Laboratory Building Upgrades
 - Mills Basin Solids Removal System Rehabilitation
 - Mills Finished Water Reservoir Rehabilitation
 - Mills Perimeter Security & Erosion Control Improvements

Mills Electrical Upgrades – Stage 2

Total Project Estimate:
\$18.5 million

Total Project Cost to Date:
\$10.5 million

This project will add a second incoming 12kV service from the Riverside Public Utilities, upgrade the plant’s main medium voltage switchgear, and replace the standby generator switchgear and the emergency generator programmable logic controller.

Phase	Construction
% Complete for Construction	65%
Construction Contract Award Date	November 2021
Estimated Construction Completion Date	March 2025
Contract Number	1990

The contractor completed the installation of new HVAC and electrical conduits inside the ozone switchgear building. The Riverside Public Utility (RPU) completed the transformer installation inside the RPU switchyard. In the upcoming quarter, the contractor will begin upgrading the 4.16 kV switchgear doors inside the ozone switchgear building.



Installation of new HVAC system on the ozone switchgear building rooftop (Left) and transformer on the foundation inside the RPU switchyard (Right)

Water Quality Program

Actual Biennium Expenditures
(Jul. 2022 through Jun. 2024)
\$0.00 million

Program Information: The Water Quality Program is comprised of projects to add new facilities to ensure compliance with water quality regulations for treated water, located at Metropolitan’s treatment plants and throughout the distribution system.

Program Highlights (4th Quarter)

Accomplishments

- Mills Enhanced Bromate Control Facilities
 - Continued final design

Upcoming Activities

Upcoming work for the next quarter will include:

- Mills Enhanced Bromate Control Facilities
 - Continue final design

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 Item 8-3 and the same cap is applied for the new minor caps that are approved for the current biennium. Prior to that action, the budget cap for minor cap projects was \$250,000.

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.

For the past two biennia, the two-year budgets for the Minor Cap Program have been \$15.5 million and \$20 million, respectively. In April 2022, the Board appropriated funds for the projects identified in the CIP appendix for the current biennium, FYs 2022/23–2023/24, including the Minor Cap Program. A total of \$14.4 million has been allocated for the current biennium to date after reallocating \$590,000, which was not used, back to the CIP Appropriation (Appropriation No. 15525) in the reporting quarter.

Minor Cap Program Historical Summary

The following table provides the overall status of the three active Minor Cap appropriations for the fiscal years 2018/19–2019/20 through fiscal years 2022/23–2023/24.

Table 4: Minor Capital Projects Program

	Fiscal Year			Totals*
	2018/19– 2019/20	2020/21– 2021/22	2022/23– 2023/24	
Amount Appropriated	\$15.5M	\$20M	\$14.4M	\$49.9M
Expenditures (through June 2024)	\$12.4M	\$9.9M	\$5.6M	\$27.9M
Number of Projects Approved	48	50	51	149
Number of Projects Completed (through June 2024)	46	22	1	69
Number of Projects with Durations of Over 3 Years	2	8	0	10

* Numbers may not sum due to rounding.

Through June 2024, 69 of the 149 projects approved under the appropriations mentioned above have been completed, and ten 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 2024.
- DVL Inlet/Outlet Tower UPS Replacement experienced delays due to longer than expected procurement process. Construction has been completed. Additional time is required to pay vendor invoices and complete project closure documents. The project is scheduled to be completed by July 2024.
- East Valley Feeder Vaults Upgrades has been experiencing delays due to additional time required to acquire permits from an external agency. The project is scheduled to be completed by December 2024.
- Jensen Chlorine Railcar Scale experienced delays due to field evaluation performed to determine whether the scales can provide highly accurate information about chlorine usage or chlorine remaining in the railcar. As a result, the scales will no longer be considered to improve the reading system, and the project is scheduled to be canceled in August 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 October 2024.
- OC 88 Surge Tank Recirculation System Upgrade has been experiencing delays due to longer than anticipated lead time for pump procurement. The project is scheduled to be completed by January 2025.
- Pasadena Water and Power Site Microwave Tower Replacement experienced delays due to longer than anticipated time for review and approval of the lease agreement between the City of Pasadena and Metropolitan. The project is scheduled to be completed by January 2025.
- 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 October 2024.
- 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 October 2024.
- 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 October 2024.

Minor Cap Projects, 4th Quarter

Authorized Projects

Three projects were authorized under the Minor Cap Program during the 4th Quarter of fiscal year 2023/24 (January through June 2024). The total amount authorized for these projects was \$1,015,000.

- Copper Basin Reservoir Outlet Gate Rehabilitation – This project will modify the upper and lower position limits of Copper Basin Reservoir Outlet Gates No. 2 and No. 3 to prevent linkage failure that could compromise the ability to control flows out of the reservoir. The project budget is \$385,000.
- Skinner Plant Fire Alarm Control Panels Replacement – This project will replace obsolete fire alarm control panels at the Skinner plant with up-to-date control panel technology. The project budget is \$370,000.
- Skinner Plant 3 Flocculator Gearboxes Rehabilitation – This project will rehabilitate gearboxes and motors that operate flocculators in Skinner Plant 3, to enhance reliability of the water treatment flocculation process. The project budget is \$260,000.

Completed Projects

Nine projects were completed under the Minor Cap Program during the 4th Quarter of fiscal year 2023/24 (April through June 2024):

- Central Basin CENB-48 Service Connection Access Improvement
- CRA Housing Fencing Improvements
- Eagle Mountain CRA Employee Housing
- Gene Inlet Surge Chamber Access Improvement
- Lake Mathews Overlook Memorial Upgrade
- Rialto Feeder Valve Replacement
- Skinner Emergency Eyewash Shower Station Improvements
- Skinner Plant 1 Filter Inlet Assemblies Rehabilitation
- Weymouth Middle Feeder Chlorination Structure Rehabilitation

Canceled Projects

None

Expenditures

Actual biennium expenditures to date (July 2022 through June 2024) for the Minor Capital Projects Program were \$9.87 million.

Project Actions

Table 5 lists capital project actions authorized by the General Manager along with funding allocation amounts during the 4th Quarter of FY 2023/24, through the authority delegated by the Board in April 2022. The total funding amount authorized during the 4th Quarter is \$69,052,800 through thirty 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 4th Quarter

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Allen-McColloch Pipeline PCCP Urgent Rehabilitation of 2024 – Stage 1	Procurement, and Construction	\$8,000,000	\$22,962,000
Allen-McColloch Pipeline PCCP Urgent Rehabilitation of 2024 – Stage 2	Procurement	\$150,000	\$8,584,000
Black Metal Mountain 2.4 kV Electrical Power Upgrades	Final Design	\$100,000	\$2,000,000
Casa Loma Siphon Barrel No. 1 and San Jacinto Pipeline Protection	Environmental Survey and Documentation, and Final Design	\$300,000	\$900,000
CRA Conduit Erosion Control Improvements	Final Design	\$20,000	\$4,300,000
Diamond Valley Lake Domestic Water System Improvements	Preliminary Design	\$25,000	\$135,000
East Lake Skinner Bypass and Bypass No.2 Screening Structure Upgrade	Final Design and Procurement; and Installation of East Lake Skinner Bypass Trash Rack	\$650,000	\$2,510,000
Enterprise Content Management Phase II	Design, Development, and Deployment	\$200,000	\$10,325,000
Foothill Feeder Valve Replacement ³	Additional Procurement	\$0	\$398,700
Gene Pumping Plant Pilot Security Improvements	Construction	\$150,000	\$470,000
Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System	Procurement	\$751,501	\$785,000

³ Additional procurement was necessary to replace deteriorated fourteen 16-inch diameter lubricated plug valves. The procurement contract for these valves were awarded by Metropolitan’s Board in January 2024.

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Gene Transformer Bank Protection Relay Replacement	Site Investigation, Design, and Procurement	\$150,000	\$740,000
Gene Wash Reservoir Discharge Structure Rehabilitation ⁴	Additional Site Investigation, Final Design, and Construction	\$980,000	\$1,100,000
Hinds Discharge Valve Platform Units 7, 8, & 9 Urgent Rehabilitation	Design and Construction	\$310,000	\$310,000
Iron Mountain Transformer Bank Protection Relay Replacement	Construction	\$750,000	\$920,000
Jensen Flocculator System Upgrades	Site Investigation and Design	\$10,000	\$460,000
Jensen Module No. 1 Washwater Pump Rehabilitation – Stage 1	Study	\$65,000	\$65,000
Lake Mathews Dam Erosion Control	Final Design	\$50,000	\$610,000
Lake Mathews Outlet Tower No. 2 Valve Rehabilitation ⁵	Additional Study	\$80,000	\$180,000
Rialto Pipeline Rehabilitation at Station 2986+30	Procurement of six 16-inch Lubricated Plug Valves	\$0	\$326,300
San Diego Canal Concrete Liner Replacement – Site 236	Final Design	\$30,000	\$480,000
Security Operations Center Upgrade Phase 2	Design	\$340,000	\$898,800
Sepulveda Canyon Control Facility Water Storage Tanks Seismic Upgrades ⁶	Additional Geotechnical Investigation	\$10,000	\$455,000
Sepulveda Feeder PCCP Rehabilitation - Reach 9	Final Design	\$100,000	\$4,600,000

⁴ Additional site investigation and final design funds were required to examine the best approach to completing rehabilitation of Gene Wash and Cooper Basin discharge valves in a timely manner by splitting the work into two design packages. Additional construction funds were also required to implement the risk mitigation measures recommended during the Risk Workshop as related to onsite testing and commissioning of the Gene Wash discharge valve.

⁵ Additional study funds were required to perform an investigation to test whether a refurbished actuator and new mechanical seals will improve the operation of a non-operational Tier 1 valve.

⁶ Additional geotechnical investigation funds were required to refine the limits and depth of a liquefaction zone underlying the fill slope, better define the design scope and the extent to which jet grouting is needed for slope stabilization.

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Service Connection EM-04B Meter Replacement	Study	\$15,000	\$268,000
Skinner Service Building No. 1 Rehabilitation	Initial Study	\$45,000	\$50,000
Weymouth Area Asphalt Pavement Rehabilitation	Construction	\$700,000	\$2,660,000
Weymouth Bonita Avenue Railroad Track Replacement	Final Design and Construction	\$20,000	\$220,000
Yorba Linda PCS Rehabilitation	Site Investigation, Final Design, and Construction	\$250,000	\$1,340,000
Total		\$14,251,501	\$69,052,800

Due to changes to the project implementation schedules or completion of projects under budget, \$28,256,000 was reallocated back to the CIP Appropriation (Appropriation No. 15525) from the previously authorized projects and \$55,344,000 of CIP Appropriation funds was allocated to the previously authorized projects listed in Table 6 below.

Table 6: General Manager Actions to Reallocate Capital Project Funds

Project Authorized (Title)	Amount Authorized for Reallocation to CIP Appropriation	Adjusted Amount for Current Biennium
Allen-McColloch Pipeline PCCP Urgent Rehabilitation of 2024 – Stage 1	\$3,500,000	\$12,500,000
Auld Valley and Red Mountain Control Structure Upgrades	\$494,000	\$1,394,000
Badlands Tunnel Surge Protection Facility	(\$1,400,000)	\$0
Battery Energy Storage System	(\$8,830,000)	\$9,053,042
CRA Pumping Plant 6.9 kV Power Cables Replacement	\$300,000	\$2,700,000
CRA Conduit Structural Protection	\$1,100,000	\$10,600,000
CRA Pumping Plant Storage Buildings at Hinds, Eagle Mountain, and Iron Mountain	\$1,300,000	\$5,300,000
Diemer Filter Rehabilitation	\$450,000	\$1,718,000
District Housing Improvements	\$55,000	\$1,667,851

Project Authorized (Title)	Amount Authorized for Reallocation to CIP Appropriation	Adjusted Amount for Current Biennium
Eagle Mountain Pumping Plant Village Pavement Replacement	(\$115,500)	\$0
Electromagnetic Inspections of PCCP Lines - Fifth Cycle	\$700,000	\$3,000,000
Inland Feeder/Rialto Pipeline Intertie	(\$2,500,000)	\$0
Jensen Plant Site Security Upgrades	\$229,000	\$2,029,000
La Verne Shops Building Completion - Stage 5	\$1,700,000	\$20,503,000
Capital Program for Projects Coasting Less Than \$400,000 for FY2022/23 through FY 2023/24	(\$590,000)	\$14,410,000
Perris Valley Pipeline Interstate 215 Tunnel Crossing	\$11,500,000	\$44,500,000
San Diego Canal Concrete Liner Rehabilitation	\$2,300,000	\$5,240,000
San Gabriel Tower Seismic Upgrade	\$661,000	\$2,961,000
Second Lower Feeder PCCP Rehabilitation - Reach 3B	\$27,155,000	\$53,155,000
Wadsworth Pumping Plant Bypass Pipeline	(\$14,820,500)	\$0
Weymouth Treatment Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation	\$3,900,000	\$68,153,000
Total:	\$27,088,000	

CEQA Determinations

Table 7 lists CEQA exemption determinations made by the General Manager during the 4th Quarter. Consistent with CEQA, the Board delegated this authority to the General Manager in April 2022. Adoption of Negative Declarations, Mitigated Negative Declarations, and certification of Environmental Impact Reports will continue to require action by Metropolitan’s Board. This table excludes information on board items.

Table 7: CEQA Exemption Determinations

Projects
Jensen Battery Energy Storage System – Fiber Optic Cable
Jensen Control Room Wildfire Smoke Control
Jensen Site Security Upgrade
Rialto Pipeline Rehabilitation at Station 2986+30
Weymouth Area Asphalt Pavement Rehabilitation

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 4th Quarter were approximately \$63.17 million.

Table 8: 4th Quarter Contract Actions

Contract Actions during Q4 for FY 2023/2024, April 2024 through June 2024	
Contracts Awarded by Board	3 construction contracts totaling \$26.11 million (Table 10)
Total Payments Authorized ⁷	\$63.17 million
Construction Contracts Completed	Notice of Completion was filed for 6 construction contracts (Table 9)
Active Contracts at end of Q4 ⁸	31 construction contracts, totaling \$469.25 million (Table 11) 21 procurement contracts, totaling \$75.97 million (Table 12) \$545.22 million total value*

*Numbers may not sum due to rounding.

The figures on the next two pages show the locations of the thirty-one construction contracts that were active through the end of the 4th Quarter.

⁷ Includes payments for O&M work under CIP contracts and grant-funded drought mitigation contracts.

⁸ Active contracts at the end of the 4th Quarter are those that are ongoing at the end of June 2024 and have not filed Notice of Completion with the county where the work was performed.

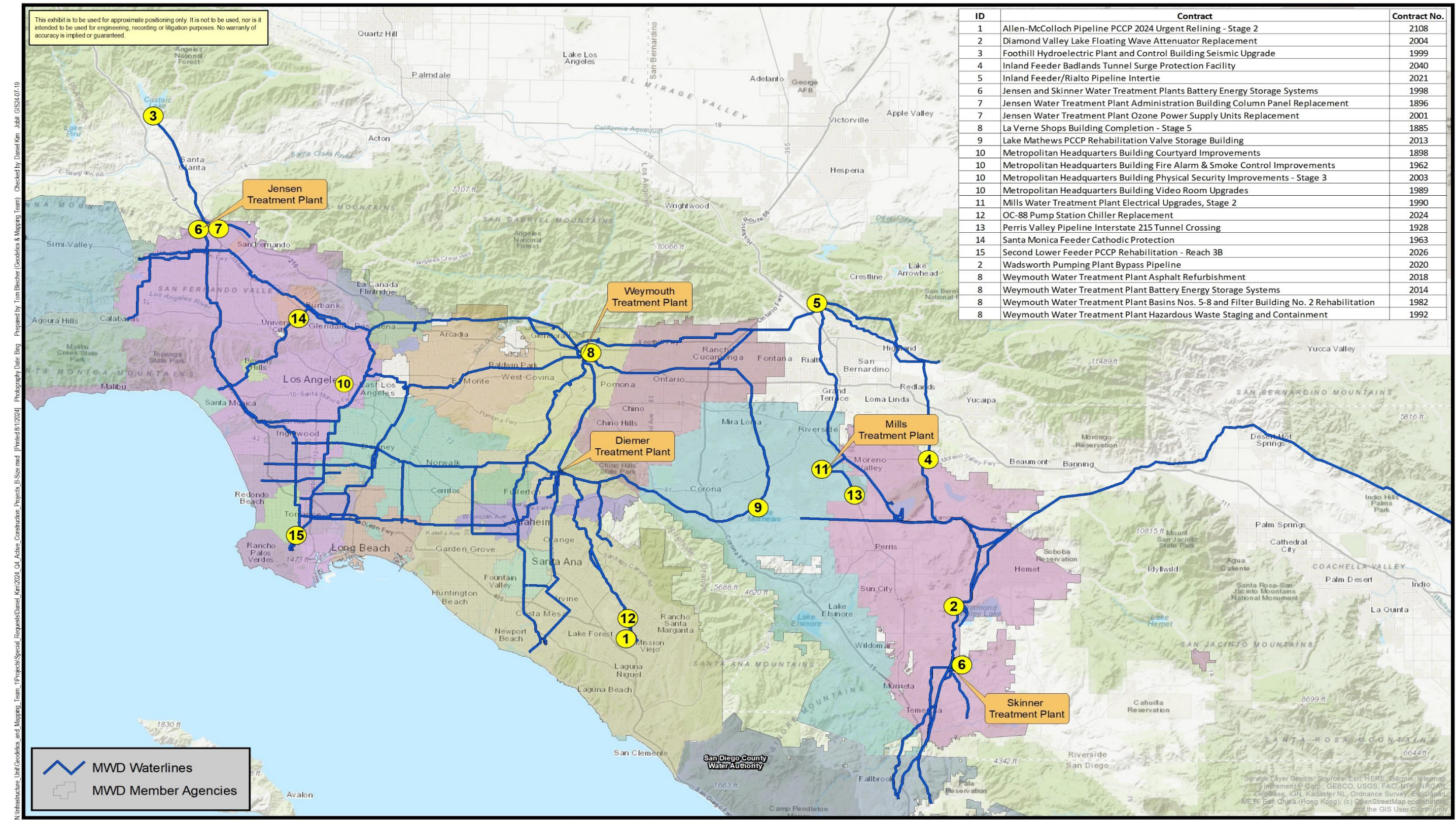


Figure 5: Construction Contracts – Greater Los Angeles Region

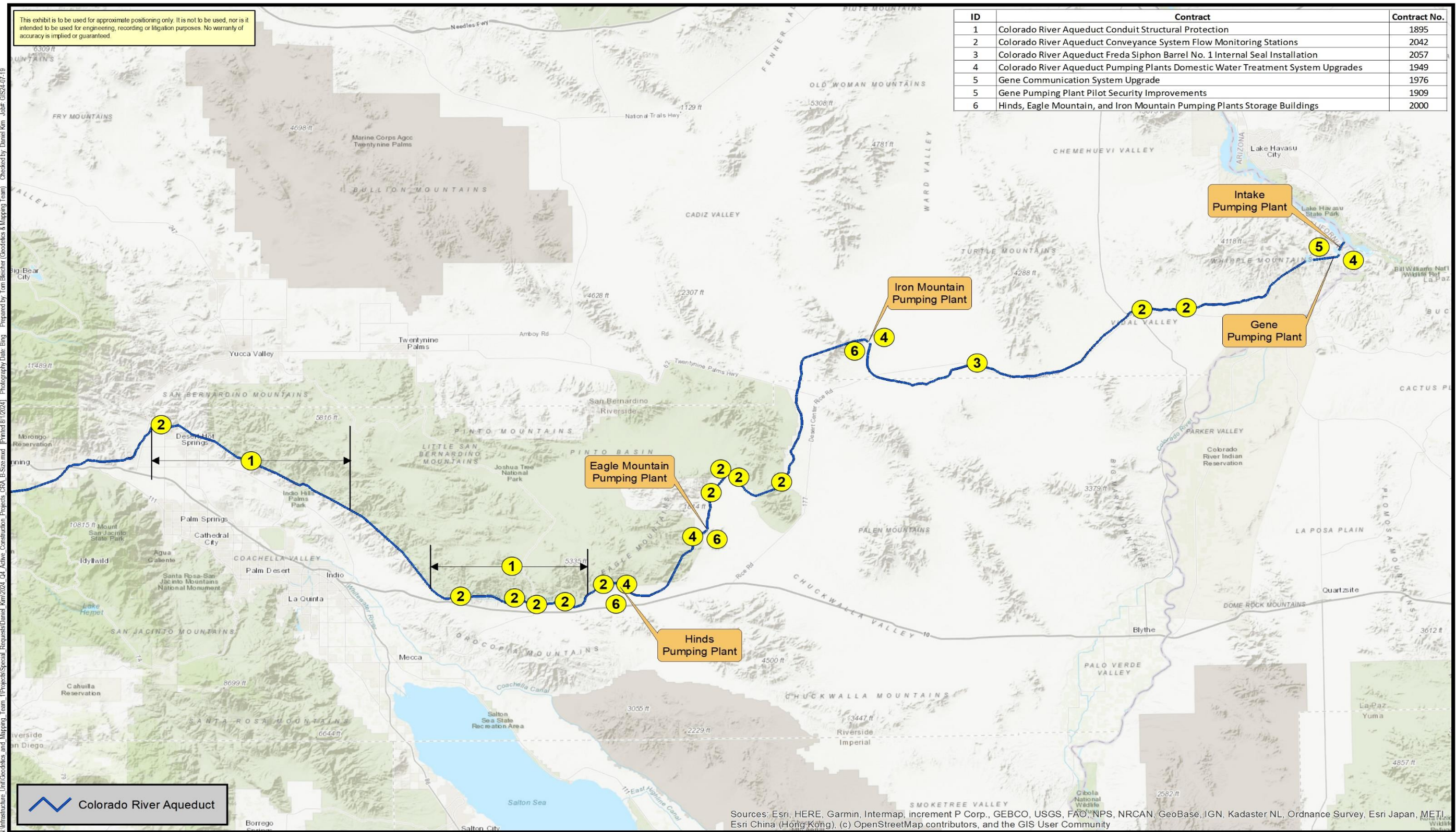


Figure 6: Construction Contracts – Colorado River Aqueduct

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 4th Quarter, the Board did not authorize any increases to the General Manager’s change order authority.

Notices of Completion during 4th Quarter:

The following table shows the six board-awarded construction contracts for which Metropolitan accepted the contract as completed during the 4th Quarter of FY 2023/24 and filed a Notice of Completion (NOC) with the county where the work was performed. In accordance with Section 9204 of the Civil Code of the State of California, an NOC is filed within 15 days of acceptance by Metropolitan of completion of construction by the contractor.

Table 9: Notices of Completion Filed This Quarter

Contract No.	Construction Contract	Notice of Completion	Original Bid Amount	Final Contract Costs	Change Order	Change Order %
1944	Lake Mathews Reservoir Wastewater System Replacement	4/19/2024	\$3,815,000	\$4,010,000	\$195,000	5.1%
1946	Colorado River Aqueduct Pumping Plants - Overhead Crane Replacement	6/18/2024	\$13,419,000	*	*	*
1966	Sepulveda, West Valley, and East Valley Feeders Interconnection Upgrades	5/21/2024	\$3,143,592	\$2,949,018	-\$194,574	-6.2%
2051	Lake Mathews Administration and Warehouse Building Roof Replacement	6/18/2024	\$452,886	\$452,886	\$0	0%
2084	San Diego Canal Concrete Liner Rehabilitation	4/18/2024	\$4,400,000	\$4,400,000	\$0	0%
2088	Sepulveda Feeder CFRP Urgent Relining	5/23/2024	\$1,962,691	\$3,112,691	\$1,150,000	58.6%
Totals:			\$27,193,169			

For the 4th Quarter, the total bid amount of the completed construction contract was approximately \$27.2 million.

For Contract No.1946, 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 is planned to be included in a future CIP quarterly report.

For Contract No. 2088 listed above, \$1,150,000 in change order work was used to install carbon fiber lining to complete the urgent rehabilitation of three pipe segments of the PCCP portions of the Allen McColloch Pipeline. The Board authorized this work in February 2024 by increasing change order authority to perform the urgent rehabilitation.

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 (July 2023 through June 2024) is 4.06 percent⁹.

Contracts Awarded by the Board during 4th Quarter:

During the period of April through June 2024, three construction contracts totaling \$26,105,031 were awarded by the Board.

Table 10: Construction and Procurement Contracts Awarded This Quarter

Construction Contracts	
Allen-McColloch Pipeline PCCP 2024 Urgent Relining – Stage 2	
Contract Number	2108
Contractor	J. F. Shea Construction, Inc.
Amount	\$24,912,000
Gene Pumping Plant Pilot Security Improvements	
Contract Number	1909
Contractor	The Kepler Group, Inc.
Amount	\$295,562
Santa Monica Feeder Cathodic Protection	
Contract Number	1963
Contractor	Exaro Technologies Corporation
Amount	\$897,469

⁹ Original amount of construction contracts completed (July 2023 through June 2024) = \$ 88,336,269
 Change orders for completed construction contracts (July 2023 through June 2024) = \$ 3,585,201
 Change order percentage (July 2023 through June 2024) = 4.06%

The table on this page lists the 31 ongoing construction contracts through the end of the 4th Quarter. This list contains construction contracts awarded by the Board.

Table 11: Active Construction Contracts at the End of 4th Quarter

Cont. No.	Contract Title	Contractor	Contract Amount ¹⁰	Earnings Through June 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	\$18,120,347	6/10/22	10/24	93%
2	1895 Colorado River Aqueduct Conduit Structural Protection	Granite Construction Company	\$8,662,852	\$8,337,112	5/11/23	8/24	96%
3	1896 Jensen Admin. Bldg. Entrance Glass Fiber Reinforced Concrete Panels Replacement	MMJ Contracting, Inc.	\$281,900	\$105,898	7/14/23	8/24	38%
4	1898 Metropolitan Headquarters Courtyard Improvements	Access General Contracting	\$250,974	\$248,474	1/25/24	7/24	99%
5	1909 Gene Pumping Plant Pilot Security Improvements	The Kepler Group, Inc.	\$295,561	\$0	5/2/24	8/24	0%
6	1928 Perris Valley Pipeline Interstate 215 Tunnel Crossing	James W. Fowler, Company	\$59,620,928	\$43,902,885	2/13/23	3/25	74%
7	1949 Colorado River Aqueduct Pumping Plants Domestic Water Treatment System Replacement	J.F. Shea Construction, Inc.	\$32,869,737	\$13,492,308	1/20/22	3/25	41%
8	1962 MWD HQ Building Fire Alarm & Smoke Control Improvements ¹²	Bernards Bros. Inc.	\$14,355,588	\$13,159,228	9/24/20	8/24	92%
9	1963 Santa Monica Feeder Cathodic Protection	Exaro Technologies Corporation	\$897,469	\$0	7/10/24	3/25	0%

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 June 2024 ¹¹	Start Date	Est. Completion Date	Est. Percent Complete
10	1976	Gene Communication System Upgrade	HP Communications, Inc.	\$1,244,935	\$85,000	12/14/23	11/24	7%
11	1982	Weymouth Water Treatment Plant Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation	J.F. Shea Construction, Inc.	\$95,185,284	\$68,751,048	6/10/22	7/25	72%
12	1989	Metropolitan Headquarters Building First Floor Video Suite Renovation	Acro Constructors	\$637,520	\$637,520	6/15/23	9/24	99%
13	1990	Henry J. Mills Water Treatment Plant Electrical Upgrades, Stage 2	CSI Electrical Contractors, Inc.	\$9,429,862	\$6,346,476	12/13/21	3/25	67%
14	1992	Weymouth Water Treatment Plant Hazardous Waste Staging and Containment	J.F. Shea Construction, Inc.	\$2,375,700	\$215,610	3/12/24	4/25	9%
15	1998	Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems	Ameresco, Inc.	\$11,604,521	\$6,423,160	10/7/21	7/25	55%
16	1999	Foothill Hydroelectric Power Plant Seismic Upgrade	West Valley Investment Group, Inc.	\$6,174,000	\$4,175,732	4/27/23	9/24	68%
17	2000	Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings	J. F. Shea Construction, Inc.	\$16,490,000	\$6,355,679	7/31/23	4/26	39%
18	2001	Jensen Water Treatment Plant Ozone Power Supply Units Replacement	Leed Electric, Inc.	\$2,257,897	\$2,189,323	7/20/22	7/24	97%
19	2003	Metropolitan Headquarters Building Exterior Physical Security Improvements ¹²	Caltec, Corp.	\$2,193,267	\$1,975,530	1/12/23	8/24	90%
20	2004	DVL Floating Wave Attenuator Replacement	Power Engineering Construction Co.	\$7,842,856	\$376,100	3/12/24	3/26	5%

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁰	Earnings Through June 2024 ¹¹	Start Date	Est. Completion Date	Est. Percent Complete
21	2013	Lake Mathews PCCP Rehabilitation Valve Storage Building	Facility Builders & Erectors, Inc.	\$4,982,022	\$4,982,022	3/10/22	7/24	99%
22	2014	Weymouth Plant Battery Energy Storage System ¹²	Siemens Industry, Inc.	\$6,476,521	\$4,978,069	7/18/22	11/24	77%
23	2018	Weymouth Water Treatment Plant Asphalt Pavement Rehabilitation	Granite Construction Company	\$1,754,000	\$468,757	4/10/24	12/24	27%
24	2020	Wadsworth Pumping Plant Bypass Pipeline ¹³	Steve P. Rados, Inc.	\$14,820,500	\$12,954,562	2/2/23	6/25	86%
25	2021	Inland Feeder/Rialto Pipeline Intertie ¹³	Steve P. Rados, Inc.	\$15,681,000	\$2,440,000	10/16/23	6/25	16%
26	2024	OC-88 Pump Station Chiller Replacement ¹²	Mehta Mechanical Co., Inc. dba MMC Inc.	\$2,654,000	\$1,785,600	6/6/22	11/24	67%
27	2026	Second Lower Feeder PCCP Rehabilitation - Reach 3B	J.F. Shea Construction, Inc.	\$77,718,965	\$56,063,285	2/13/23	9/25	72%
28	2040	Inland Feeder Badlands Tunnel Surge Protection Facility ¹⁴	Steve P. Rados, Inc.	\$18,840,000	\$2,720,000	12/11/23	5/25	14%
29	2042	CRA Conveyance System Solar Level Sensor Installation	LEED Electric, Inc.	\$5,266,000	\$3,786,618	6/15/23	9/24	72%
30	2057	CRA Freda Siphon Barrel No.1 Internal Seal Installation	Miller Pipeline, LLC	\$3,895,000	\$1,864,320	10/9/23	5/25	48%
31	2108	Allen-McColloch Pipeline PCCP 2024 Urgent Relining	J.F. Shea Construction, Inc.	\$24,912,000	\$0	5/30/24	2/25	0%
Total contract value for active construction contracts:				\$469,250,905				

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

¹⁴ This contract is partially funded by a state grant administered by DWR.

The following table lists the 21 ongoing procurement contracts at the end of the 4th Quarter.

Table 12: Active Procurement Contracts at the End of 4th Quarter

	Cont. No.	Contract	Contractor	Contract Amount ¹⁵	Earnings Through June 2024 ¹⁶	Start Date	Est. Delivery Completion Date	Est. Percent Complete ¹⁷
1	1861	Furnishing Lubricated Plug Valves for Second Lower Feeder	Southwest Valve & Equipment, Inc.	\$2,380,909	\$2,362,968	9/11/17	D ¹⁸	99%
2	1867 ¹⁹	Furnishing Butterfly Valves for the Weymouth Water Treatment Plant – Schedule 1	Crispin Valve, LLC	\$5,066,975	\$3,769,482	12/18/17	6/24	74%
3	1868	Furnishing Butterfly Valves for the Weymouth Water Treatment Plant – Schedule 2	DeZurick, Inc.	\$771,984	\$765,184	12/18/17	D ¹⁸	99%
4	1873	Furnishing One Hydraulic Shear System for the La Verne Maintenance Shops	Landmark Solutions, LLC	\$151,870	\$146,970	3/21/18	D ¹⁸	97%
5	1912	Furnishing Large-Diameter Conical Plug Valves	Ebara Corporation	\$23,750,060	\$19,585,112	12/24/18	1/25	82%
6	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 ¹⁸	99%
7	1948	Refurbishing Valve Actuators for the Diemer Water Treatment Plant	Flowserve Limatorque	\$3,370,402	\$3,370,402	2/16/19	9/24	99%
8	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%

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

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

¹⁷ 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.

¹⁸ All items were delivered prior to this reporting quarter but contract remains open pending use of manufacturer field services.

¹⁹ 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 ¹⁵	Earnings Through June 2024 ¹⁶	Start Date	Est. Delivery Completion Date	Est. Percent Complete ¹⁷
9	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 ¹⁸	87%
10	2002	Furnishing Steel Liner for Lakeview Pipeline	Northwest Pipe Company	\$16,055,500	\$2,280,161	12/14/23	12/24	14%
11	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	\$0	10/3/22	9/25	0%
12	2028	Furnishing Slide Gates for the San Jacinto Diversion Structure	Whipps, Inc.	\$820,853	\$0	12/8/22	6/24	0%
13	2029	Furnishing Slide Gates for East Lake Skinner Bypass Channel	Whipps, Inc	\$892,552	\$0	4/10/24	11/25	0%
14	2046	Furnishing a 20-inch Triple Offset Ball Valve for Service Connection CB-11	Cascade Consultants, LLC	\$407,800	\$0	3/8/23	8/24	0%
15	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%
16	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%
17	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%
18	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%
19	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	9/24	0%
20	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%

	Cont. No.	Contract	Contractor	Contract Amount ¹⁵	Earnings Through June 2024 ¹⁶	Start Date	Est. Delivery Completion Date	Est. Percent Complete ¹⁷
21	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:				\$75,971,504				

Project Labor Agreement

Project Labor Agreement

Metropolitan’s Board of Directors adopted a Project Labor Agreement (PLA) in October 2022. PLAs require all contractors – union and non-union – to follow certain labor requirements such as payment of prevailing wages, ensuring worker training and workforce development, supporting apprenticeship programs, and hiring local and transitional workers. PLAs promote the hiring of a skilled and trained workforce, and help avoid labor disputes and work stoppages, to ensure that projects are done on-time, safely, and within budget.

Major Provisions of Metropolitan’s Project Labor Agreement

Metropolitan’s PLA covers 35 projects over the five-year term of the agreement, including all construction contracts under the Pure Water Southern California Program. These projects equate to approximately 90% of the CIP covered by the PLA, on a cost-basis for the next five years. Major provisions and tenets of the PLA include:

- A 60 percent goal for employment of local workers. The local worker provision covers the entirety of Metropolitan’s service area, although the PLA can also be customized on a contract-by-contract basis using first-tier zip codes, which would benefit those who are near the project sites.
- A 15 percent goal for employment of transitional workers (e.g., veterans, recently homeless, those living below poverty line).
- Metropolitan’s PLA strikes an important balance with Metropolitan’s Business Outreach Program – ensuring PLA coverage of a substantial portion of Metropolitan’s public works construction contracts, while preserving the integrity of the Small Business Program.
- A unique core employee carveout for small businesses, which allows three core employees per craft for non-union prime contractors and subcontractors, providing flexibility for non-union, small, or micro-small businesses with 25 or fewer employees.
- Workforce development benefits including the required use of the nationally recognized Helmets to Hardhats Program, Construction Career Pipeline Program, and the Multi-Core Craft Apprenticeship Readiness Programs.
- Ability to add projects in the future, upon agreement by the Board and the associated trade councils.

Active PLA Contracts

As of June 2024, 11 construction contracts totaling approximately \$255 million were awarded by the Board which are covered by the PLA.

Table 13: Active PLA Contracts

Contract Number	Contract Title	Contractor	Contract Amount (\$ million)	Board Award Date
1928	Perris Valley Pipeline Interstate 215 Crossing	James W. Fowler Company	\$59.49	01/23
2026	Second Lower Feeder PCCP Rehabilitation – Reach 3B	J.F. Shea Construction, Inc.	\$68.85	01/23
2020	Wadsworth Pumping Plant Bypass Pipeline	Steve P. Rados, Inc.	\$14.82	01/23

Contract Number	Contract Title	Contractor	Contract Amount (\$ million)	Board Award Date
1895	Colorado River Aqueduct Conduit Structural Protection	Granite Construction Company	\$8.66	04/23
1999	Foothill Hydroelectric Power Plant Seismic Upgrade	West Valley Investment Group, Inc.	\$6.17	4/23
2000	Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings	J.F. Shea Construction, Inc.	\$16.49	7/23
2021	Inland Feeder – Rialto Pipeline Intertie	Steve P. Rados, Inc.	\$15.68	9/23
2060	Sepulveda Pump Stations (Phase 1 Progressive Design Build)	J.F. Shea Construction, Inc.	\$9.80	9/23
2040	Inland Feeder Badlands Tunnel Surge Protection Facility	Steve P. Rados, Inc.	\$18.84	11/23
2004	Diamond Valley Lake Wave Attenuator	Power Engineering	\$7.84	2/24
2108	AMP PCCP 2024 Urgent Relining	J. F. Shea Construction	\$24.91	5/24
Total value of contracts under PLA:			\$251.55	

At the end of this reporting quarter, PLA administration costs have totaled 0.7% of the total contract costs incurred to date. These administrative costs include both Metropolitan staff and consultants that routinely work with the contractors on the PLA. This includes initial costs associated with the PLA administration, including labor compliance, outreach to small contractors, facilitating engagement between contractors and Multi-Core Curriculum (MC3) programs. This percentage is not necessarily indicative of long-term PLA administration costs; it will vary as more projects are awarded under the PLA. Staff continuously monitors the costs for PLA administration, as well as any impacts to biddability of projects, and will update the Board annually in a stand-alone PLA Annual Report.

Major Achievements of the PLA

Since its adoption in October 2022, the PLA has allowed Metropolitan to better engage with the broader contracting community to assist in meeting the requirements of the PLA. The landmark PLA includes labor compliance and wage monitoring requirements, local and transitional worker hiring goals, use of union-approved apprentices, and a Construction Careers Pipeline Program. Major achievements during the last two quarters (January to June 2024) include:

- Performed reoccurring contractor training on contracts subject to the PLA
- Monitored labor compliance and prevailing wage requirements
- Conducted various outreach events, and meetings with union labor representatives, establishing relationships, providing information and education on Metropolitan's upcoming PLA projects and business practices:
 - March 6, 2024: Meeting with Executive Secretary for the Los Angeles/Orange County Building and Trades Council, to establish a collaborative relationship in the administration of the PLA
 - March 7, 2024: Pure Water Southern California Networking Event in Carson, CA – presented upcoming bidding opportunities
 - March 14, 2024: The Southern California Pipe Trades invited Metropolitan to tour the Apprentice & Journeymen (A&J) Training Center under construction in El Monte.
 - April 17, 2024: Meeting with Business Manager for the International Union of Operating Engineers Local 12, to discuss the core business requirement in the PLA as it applies to small businesses that are non-union
 - April 17, 2024: Virtual Contractor Academy Orientation event was held to promote Metropolitan upcoming bidding opportunities and provided training to bid on Metropolitan's work.
 - April 25, 2024: Attended the 2024 California State Apprentice Contest hosted by the A&J Training Trust Fund of the Southern California Plumbing & Piping Industry
 - May 8, 2024 to May 29, 2024 (four meetings): Small Contractor Academy in Temecula, CA - training for small contractors on how to do business with Metropolitan and how small contractors can use the PLA to grow their company

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 14 and Table 15 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 14: Performance Metric Actuals, Construction Costs > \$3 Million

Project	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
Allen-McColloch Pipeline Urgent PCCP Rehabilitation - Stage 2	Final Design	\$745,096	\$32,500,000	9% to 12%	2.3%
Lake Mathews Reservoir Wastewater System Replacement	Inspection	\$518,696	\$4,478,533	9% to 12%	11.6%
San Diego Canal Concrete Liner Rehabilitation	Inspection	\$302,504	\$4,637,787	9% to 12%	6.5%
Sepulveda, West Valley, and East Valley Feeders Interconnection Upgrades ²⁰	Inspection	\$487,816	\$3,368,592	9% to 12%	14.5%

²⁰ Inspection costs for Sepulveda, West Valley, and East Valley Feeders Interconnection Upgrades were higher than the target range due to differing site conditions, which caused construction delays, and additional efforts to minimize impacts to the surrounding community.

Table 15: Performance Metric Actuals, Construction Costs < \$3 Million

Project	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
Gene Pumping Plant Pilot Security Improvements	Final Design	\$48,000	\$414,562	9% to 15%	11.6%
Lake Mathews Administration and Warehouse Building Roof Replacement	Inspection	\$18,820	\$507,740	9% to 15%	3.7%
Santa Monica Feeder Cathodic Protection	Final Design	\$118,485	\$897,469	9% to 15%	13.2%
Sepulveda Feeder PCCP Carbon Fiber Reinforced Polymer Urgent Relining	Inspection	\$213,699	\$2,463,297	9% to 15%	8.7%

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 (April through June 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 4th Quarter of FY 2023/24 (April through June 2024).

Program/Appropriation Status

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

Table 16: Program and Appropriation Budget vs. Cost and Planned Expenditures vs. Actuals

Capital Programs/Appropriations	Appn. No.	Total to Date		Biennium to Date	
		Appn. Amount (\$1,000's)	Costs thru June 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Colorado River Aqueduct Reliability Program	Total	\$546,544	\$514,188	\$76,170	\$88,651
Cabazon Radial Gate Facility Improvements	15320	\$2,456	\$1,653	\$0	\$948
White Water Siphon Protection	15341	\$15,585	\$14,510	\$2,654	\$27
CRA - Conveyance Reliability	15373	\$119,373	\$118,128	\$1,916	\$1,751
CRA Pumping Plant Reliability	15374	\$24,467	\$24,012	\$0	\$9
CRA - Electrical/Power Systems Reliability	15384	\$60,765	\$58,105	\$7,207	\$9,615
CRA – Discharge Containment	15385	\$8,129	\$7,977	\$0	\$2
CRA - Reliability for FY2006/07 through FY2011/12	15438	\$134,194	\$125,569	\$23,115	\$6,097
CRA Main Pump Reliability	15481	\$76,252	\$72,444	\$15,710	\$19,387
CRA - Reliability for FY2012/13 through FY2017/18	15483	\$77,111	\$74,419	\$23,452	\$38,538
CRA - Reliability for FY2018/19 through FY2023/24	15507	\$28,212	\$17,371	\$2,116	\$12,277
Cost Efficiency & Productivity Program	Total	\$155,033	\$121,287	\$28,240	\$17,618
DVL Recreation Facilities	15334	\$87,004	\$60,723	\$6,654	\$1,338
Yorba Linda Power Plant Modifications	15446	\$17,125	\$17,115	\$0	\$23
Business Operations Improvement	15484	\$19,316	\$14,313	\$1,926	\$4,075
Project Controls and Reporting System	15490	\$6,440	\$6,292	\$0	-\$10

Capital Programs/Appropriations	Appn. No.	Total to Date		Biennium to Date	
		Appn. Amount (\$1,000's)	Costs thru June 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Enterprise Content Management	15500	\$3,800	\$3,595	\$4,450	\$0
DVL Recreation Rehabilitation & Refurbishment	15515	\$2,273	\$1,642	\$150	\$729
Energy Sustainability Improvements	15521	\$19,075	\$17,608	\$15,060	\$11,464
Dams and Reservoirs Improvements Program	Total	\$87,027	\$74,901	\$50,000	\$5,913
Reservoir Cover and Replacement	15417	\$71,055	\$63,987	\$740	\$4,619
Dam Rehabilitation & Safety Improvements	15419	\$15,972	\$10,913	\$49,260	\$1,294
Distribution System Reliability Program	Total	\$507,774	\$473,851	\$64,040	\$105,723
Conveyance and Distribution System - Rehabilitation	15377	\$126,196	\$123,979	\$9,980	\$22,235
Conveyance and Distribution System - Rehabilitation for FY2006/07 through FY2011/12	15441	\$157,383	\$151,592	\$170	\$36,104
Hydroelectric Power Plant Improvements	15458	\$32,561	\$26,232	\$5,800	\$8,956
Conveyance and Distribution System - Rehabilitation for FY2012/13 through FY2017/18	15480	\$140,056	\$129,228	\$36,810	\$15,576
Pipeline Rehabilitation and Replacement	15482	\$1,143	\$1,090	\$410	\$57
Conveyance and Distribution System - Rehabilitation for FY2018/19 through FY2023/24	15503	\$50,435	\$41,728	\$10,870	\$22,795
District Housing & Property Improvements Program	Total	\$12,340	\$16,684	\$27,700	\$10,134
Employee Village Enhancement	15513	\$12,340	\$16,684	\$27,700	\$10,134

Capital Programs/Appropriations	Appn. No.	Total to Date		Biennium to Date	
		Appn. Amount (\$1,000's)	Costs thru June 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Minor Capital Projects Program	Total	\$59,910	\$35,178	\$16,700	\$9,874
Capital Program for Projects Costing Less Than \$400,000 For Fiscal Years 2016/17 And 2017/18	15498	\$10,000	\$7,193	\$0	\$21
Capital Program for Projects Costing Less Than \$400,000 for FY2018/19 through FY2019/20	15504	\$15,500	\$12,440	\$2,050	\$1,015
Capital Program for Projects Costing Less Than \$400,000 for FY2020/21 through FY2021/22	15518	\$20,000	\$9,898	\$7,780	\$3,194
Capital Program for Projects Costing Less Than \$400,000 for FY2022/23 through FY2023/24	15526	\$14,410	\$5,648	\$6,870	\$5,643
Prestressed Concrete Cylinder Pipe Rehabilitation Program	Total	\$411,989	\$378,121	\$129,390	\$110,454
PCCP Rehabilitation and Replacement	15471	\$27,666	\$26,085	\$510	\$3,411
Sepulveda Feeder PCCP Rehabilitation	15496	\$42,906	\$37,254	\$4,280	\$9,331
Second Lower Feeder PCCP Rehabilitation	15497	\$312,082	\$285,967	\$90,450	\$79,602
Allen-McColloch Pipeline, Calabasas Feeder, and Rialto Pipeline PCCP Rehabilitation	15502	\$29,335	\$28,816	\$34,150	\$18,110
Regional Recycled Water Program	Total	\$24,350	\$23,167	\$19,890	\$2,867
Demonstration-Scale Recycled Water Treatment Plant	15493	\$24,350	\$23,167	\$19,890	\$2,867
Right of Way & Infrastructure Protection Program	Total	\$31,715	\$28,986	\$11,560	\$1,926
Right of Way & Infrastructure Protection	15474	\$31,715	\$28,986	\$11,560	\$1,926

Capital Programs/Appropriations	Appn. No.	Total to Date		Biennium to Date	
		Appn. Amount (\$1,000's)	Costs thru June 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
System Flexibility/Supply Reliability Program	Total	\$744,481	\$714,915	\$72,200	\$73,367
Hayfield and Lake Perris Groundwater Recovery	15402	\$1,500	\$1,136	\$2,910	\$23
Perris Valley Pipeline	15425	\$178,000	\$180,799	\$28,848	\$49,682
Water Delivery System Improvements	15488	\$100,411	\$91,795	\$36,941	\$22,190
Verbena Property Acquisition	15492	\$264,000	\$262,148	\$3,450	\$200
Delta Wetlands Properties (Delta Islands)	15494	\$200,570	\$179,037	\$51	\$1,272
System Reliability Program	Total	\$452,250	\$392,767	\$86,200	\$85,836
Information Technology System - Infrastructure	15376	\$51,306	\$47,815	\$70	\$97
Information Technology System - Security	15378	\$12,691	\$11,701	\$0	\$886
La Verne Shop Facilities Upgrade	15395	\$69,048	\$67,695	\$11,020	\$20,376
Water Operations Control	15467	\$59,561	\$48,527	\$21,190	\$6,445
Union Station Headquarters Improvements	15473	\$114,855	\$101,319	\$9,400	\$15,093
IT Infrastructure Reliability	15487	\$57,867	\$51,748	\$9,820	\$14,955
Operations Support Facilities Improvement	15495	\$32,889	\$29,022	\$14,020	\$9,480
Metropolitan Security System Enhancements	15499	\$25,866	\$17,058	\$7,715	\$6,006
Infrastructure Reliability Information System	15501	\$15,755	\$10,207	\$145	\$7,340
System-Wide Paving & Roof Replacements for FY 2018/19 through FY 2019/20	15516	\$5,491	\$4,376	\$6,580	\$2,783

Capital Programs/Appropriations	Appn. No.	Total to Date		Biennium to Date	
		Appn. Amount (\$1,000's)	Costs thru June 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
System-Wide Paving & Roof Replacements for FY2020/21 through FY2023/24	15519	\$3,231	\$3,217	\$5,150	\$2,299
Enterprise Data Analytics	15522	\$3,690	\$81	\$1,090	\$76
Treatment Plant Reliability Program	Total	\$893,456	\$860,437	\$42,110	\$112,353
Weymouth Water Treatment Plant Improvements	15369	\$195,711	\$192,787	\$8,820	\$4,646
Jensen Water Treatment Plant Improvements	15371	\$47,437	\$46,786	\$310	\$149
Diemer Water Treatment Plant Improvements	15380	\$216,907	\$209,561	\$3,630	\$1,231
Mills Water Treatment Plant Improvements	15381	\$5,900	\$5,288	\$0	\$11
Diemer Water Treatment Plant Improvements for FY2006/07 through FY2011/12	15436	\$74,207	\$68,844	\$3,660	\$3,173
Weymouth Water Treatment Plant Improvements for FY2006/07 through FY2011/12	15440	\$97,232	\$97,003	\$12,359	\$69,486
Jensen Water Treatment Plant Improvements for FY2006/07 through FY2011/12	15442	\$91,376	\$87,102	\$3,820	\$2,406
Mills Water Treatment Plant Improvements for FY2006/07 through FY2011/12	15452	\$34,852	\$33,079	\$92	\$8,487
Weymouth Water Treatment Plant Improvements for FY2012/13 through FY2017/18	15477	\$77,539	\$77,421	\$39	\$463
Diemer Water Treatment Plant Improvements for FY2012/13 through FY2017/18	15478	\$3,255	\$2,738	\$120	\$1,303

Capital Programs/Appropriations	Appn. No.	Total to Date		Biennium to Date	
		Appn. Amount (\$1,000's)	Costs thru June 2024 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Mills Water Treatment Plant Improvements for FY2012/13 through FY2017/18	15479	\$2,664	\$1,459	\$0	\$612
Jensen Water Treatment Plant Improvements for FY2012/13 through FY2017/18	15486	\$8,339	\$7,558	\$0	\$74
Weymouth Water Treatment Plant Improvements for FY2020/21 through FY2023/24	15505	\$1,385	\$1,108	\$0	\$805
Jensen Water Treatment Plant Improvements for FY2020/21 through FY2023/24	15508	\$21,570	\$17,358	\$7,480	\$12,152
Diemer Water Treatment Plant Improvements for FY2020/21 through FY2023/24	15510	\$5,341	\$4,198	\$0	\$3,442
Skinner Water Treatment Plant, Improvements for FY 2020/21 Through FY 2023/24	15512	\$5,364	\$4,912	\$1,720	\$1,275
Mills Water Treatment Plant Improvements for FY2020/21 through FY2023/24	15520	\$2,631	\$2,312	\$60	\$1,716
Chlorine System Improvements	15523	\$1,746	\$924	\$0	\$924
Water Quality Program	Total	\$10,240	\$9,615	\$800	\$0
Enhanced Bromate Control	15472	\$10,240	\$9,615	\$800	\$0
Total CIP		\$3,937,109	\$3,644,096	\$625,000	\$624,722

Notes on the above table:

- Numbers may not sum due to rounding.
- Numbers are based on the general ledger information downloaded on 07/25/2024.
- \$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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