



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Operations Groups

• April Operations Groups Monthly Activities Report

Summary

This monthly report for the Operations Groups provides updates to the General Manager's Business Plan and a summary of activities for March 2026 in the following key areas:

- Enhance Workforce Safety and Security
- Develop Workforce and Prepare Employees for New Opportunities
- Manage Business Operations, Budget, and Staffing
- Develop Solutions to Enhance Operational and Business Processes
- Ensure Resilient and Reliable Operations
- Advance Pure Water Southern California
- Protect Source Waters
- Optimize Water Treatment and Distribution Operations
- Ensure Water Quality and Environmental Compliance
- Optimize Maintenance and Asset Management
- Support Capital Project Development and Implementation
- Engage in Legislative and Regulatory Processes
- Advance Education and Outreach Initiatives
- Engage with Member Agencies and Other Stakeholders on Technical Matters

Purpose

Informational by the Operations Groups on a summary of key activities and updates for the month of March 2026.

Attachments

Attachment 1: Detailed Report –Operations Groups' Monthly Activities for March 2026

Operations Groups

GM Business Plan Updates

GOAL: Develop a Biennial Budget that Meets Metropolitan's Needs

OUTCOME: Implement risk-informed capital investment planning to ensure reliable critical infrastructure

UPDATE: Staff are approximately 65 percent complete with the follow-up interviews with peer utilities that submitted a response to Metropolitan's asset management benchmarking survey. A draft report with the findings to follow.

Staff are approximately 70 percent complete with a draft report containing an assessment and recommendations for incorporating climate adaptation into the Strategic Asset Management Plan. Routing of the internal draft for review is scheduled to begin shortly.

OUTCOME: Budget for enhanced mission-critical capabilities

UPDATE: Operations and Engineering are working collaboratively with a consultant to initiate a pilot project to utilize existing condition assessments and reports to develop a system-level risk dashboard for existing facilities. The Middle Feeder was selected to test the approach first, before rolling it out to other facilities.

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

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

UPDATE: Staff replaced the ultraviolet light vessel and reverse osmosis membrane elements at the demonstration plant, in support of the ongoing transition to the optimized nitrifying tMBR testing phase.

Staff presented on microbial and chemical treatment research and engaged with industry experts at the Annual WateReuse Symposium in Los Angeles, March 8-11.

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

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

UPDATE: Operations staff continue to analyze future drought sequences and identify potential vulnerabilities to State Water Project (SWP) dependent areas.

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GOAL: Provide Organizational Stability and Deliver Operational Excellence

OUTCOME: Maintain excellence in daily operations and reliability

UPDATE: Staff coordinated and participated in a four-day workshop on March 16-19 in La Verne to assess and prioritize Metropolitan's actions in response to the golden mussel infestation in the SWP. With over 40 participants, including various internal groups and external technical experts, staff evaluated control and mitigation measures, reviewed planned CIP efforts, and discussed O&M plans.

Staff presented an update on the SWP Invasive Mussel Mitigation and Control Program to Metropolitan's Engineering, Operations and Technology Committee on March 9.

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

Operations Groups

The Metropolitan Water District of Southern California

Monthly Operations At-A-Glance

March 2026

30-day window: February 16–March 18

Distribution

* denotes change compared to previous 30-Day period

30-Day Member Agency Deliveries

2,230 AF/Day

Change in Deliveries*

▼ -840 AF/Day

Recorded **February** Deliveries to Member Agencies

Consumptive and Replenishment
58 TAF

Forecast **March** Deliveries to Member Agencies

Consumptive and Replenishment
82 TAF

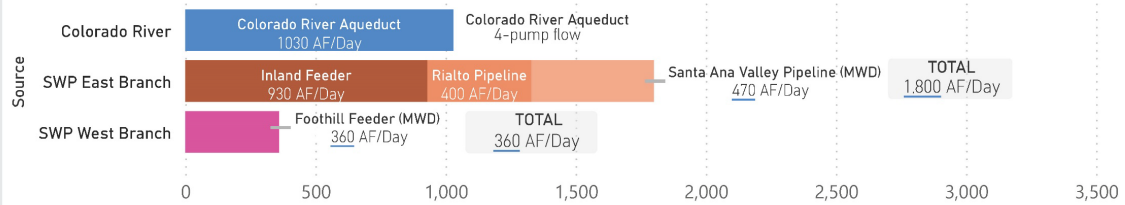
Recorded **February**

Deliveries utilizing water programs (CYC, RCYC, CUP, CCOP)

1 TAF

Supply

30-Day Average by Source (AF/Day)



Storage

Data as of March 18, 2026

Lake Mathews

157,100 AF

▼ -740 AF*



Lake Skinner

37,800 AF

▲ 60 AF*



Diamond Valley Lake

778,900 AF

▲ 20,100 AF*



Hydropower

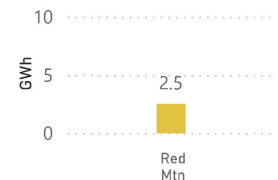
30-Day Total Generation:

2.5 GWh

30-Day Average Power:

3.4 MW

30-Day Total Generation by Plant



Water Quality

Plant Name	Targeted Blend (% SPW)	Current TDS (mg/L)	TTHMs (µg/L)	Flow-Weighted RAA TDS (mg/L) February 2025 - January 2026
	As of 3/18/2026	As of 3/18/2026	As of 3/2/2026	
Weymouth	50%	425	22.0	486
Diemer	50%	439	25.0	478
Skinner	50%	398	24.0	503
Jensen	100%	291	14.0	291
Mills	100%	243	37.0	231

TDS = Total Dissolved Solids

TTHM = Total Trihalomethanes

RAA = Running Annual Average

Operations Groups

Operations Groups Business Plan Strategic Priorities & Objectives

Strategic Priority #1: EMPOWER

Enhance Workforce Safety and Security

At the Napolitano Innovation Center, two new receptacles were installed to replace long-standing extension cords. The new outlets at the Return Activated Sludge system pit improve safety and eliminate a tripping hazard.



Staff installing new conduit for electrical receptacles at the Napolitano Innovation Center

Develop Workforce and Prepare Employees for New Opportunities

Desert staff participated in high-voltage switching training. This training provides information on the System Operating Orders Manual (SOOM), which covers safe practices for operational activities such as high-voltage switching and clearance procedures.



Staff attending SOOM high-voltage switching training

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Strategic Priority #2: SUSTAIN

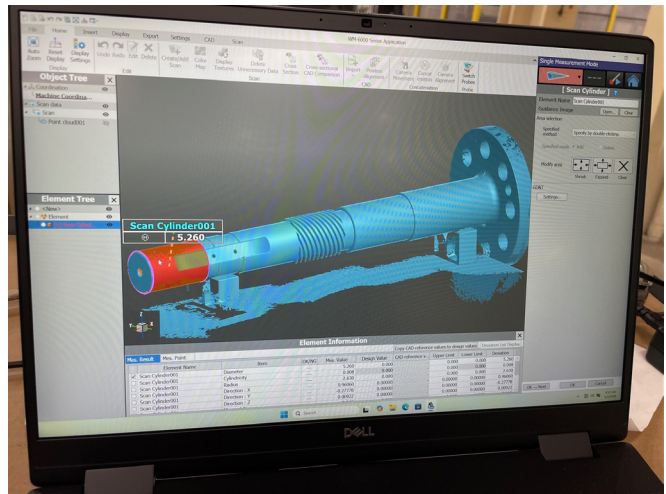
Manage Business Operations, Budget, and Staffing

Business Management Team (BMT) staff worked with Operations Groups and Finance staff to finalize year-end processing of non-fleet operating equipment purchases in March, in addition to addressing FY 27 & FY 28 Biennium budget development needs. The BMT also began planning efforts for the Operations Groups Managers' All-Hands Meeting in May. The purpose of this meeting is to provide operations managers across all locations the opportunity to assemble in-person, review recent achievements, discuss current priorities, and align on upcoming initiatives.

Develop Solutions to Enhance Operational and Business Processes

The Manufacturing Services Unit (MSU) recently acquired a large-area portable Coordinate Measuring Machine (CMM) suitable for inspection and/or reverse engineering of critical Metropolitan equipment components. The portable CMM will be used on parts of all sizes and, due to its handheld design, is especially well-suited for large components such as valves, gates, piping spools, pump cases, and impellers.

The La Verne Shops will use the system for initial, in-process, and final dimensional inspections of large components; reverse engineering of parts without usable drawings; field inspections to support infrastructure refurbishment; and automated digital reporting. This system will enhance MSU's ability to deliver its services to Metropolitan and other public agencies with high-quality results while reducing its dependence on contracted inspection services.



Staff performing dimensional inspection of discharge valve plug shaft (left) and resulting three-dimensional rendering (right)

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Strategic Priority #3: ADAPT

Ensure Resilient and Reliable Operations

Metropolitan member agency water deliveries are projected to be 81,800 acre-feet (AF) for March with an average of 2,640 AF per day, which is the same as in February. Treated water deliveries were 5,900 higher than in February for a total of 48,500 AF, or 59 percent of total deliveries for the month. The Colorado River Aqueduct (CRA) projected diversions are projected to be 89,850 AF in March. SWP imports averaged 1,420 AF per day, totaling about 43,900 AF for the month. The target SWP blend is 50 percent at the Weymouth, Diemer, and Skinner plants through March to help with the evacuation of Carryover storage in San Luis Reservoir. SPW blends will decrease to 25 percent in early April to help preserve Carryover storage with the recent drier hydrologic conditions.

With the end of 2025 marking another record storage level of over 3.8 million AF, Metropolitan has sufficient imported supplies and storage to meet demands in 2026. Water continues to be managed according to WSDM principles and operational objectives with an emphasis on positioning SWP supplies to meet future demands in the SWP-dependent area. On January 29, 2026, DWR increased the SWP Project allocation to 30 percent. Metropolitan is managing the use of Table A and Carryover supplies to guard against potential drought conditions, as well as Carryover spill.

Advance Pure Water Southern California

In March, staff continued working with the Los Angeles County Sanitation District's staff to transition the demonstration plant to the optimized nitrification-only tertiary membrane bioreactor (N-only tMBR) testing phase. Staff made various improvements to the demonstration plant, including replacing the ultraviolet (UV) light vessel and replacing reverse osmosis (RO) membrane elements for one of the RO trains.



Staff installing UV system effluent pipe (left) and removing RO membrane elements (right) at the PWSC Napolitano Innovation Center demonstration plant

Strategic Priority #4: PROTECT

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Protect Source Waters

On March 3 and 4, staff participated in Clearinghouse Task Force, Consultative Work Group, and Technical Work Group meetings in Lake Havasu City, AZ, regarding hexavalent chromium remediation at the Topock Compressor Station near Needles, CA, adjacent to the Colorado River. Updates were provided on the operation and final construction phase of the groundwater remedy, the Caltrans I-40 Bridge Replacement, and assessments for the construction of arsenic monitoring wells required for freshwater injection. Hexavalent chromium is routinely monitored at the CRA Intake, with results consistently below detection level.

Optimize Water Treatment & Distribution Operations

The SWP target blend entering the Weymouth and Diemer plants, and entering Lake Skinner, remained at 50 percent in March 2026. Flow-weighted running annual averages for total dissolved solids from February 2025 through January 2026 for Metropolitan's treatment plants capable of receiving a blend of supplies from the SWP and the CRA were 486 mg/L, 478 mg/L, and 503 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

The Diemer plant successfully completed a 7-day shutdown that included the installation of additional chlorine diffusers in the Combined Filter Effluent channel. The new diffusers will increase redundancy and reliability of the treatment process ensuring continued disinfection. During the shutdown, staff inspected and upgraded power reliability equipment that provides power to critical network servers, including the business and SCADA systems. In the event of a power interruption, these critical systems will remain online.



Staff working on new chlorine diffusers at the Diemer plant

Staff completed initial shutdown work activities to provide a 24-inch flow meter and bypass on the Rialto Pipeline at the PM-21 service connection at Three Valleys Municipal Water District's treatment facility in Claremont. The meter location

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has been isolated and is ready for installation upon delivery. The new bypass and meter will improve accuracy at lower flows and enhance system redundancy.



Staff is preparing spools and a valve for installation

The Jensen plant completed a scheduled seven-day shutdown in February where staff completed multiple projects and inspections. Modifications were made to an existing pipeline to support a future interconnection with the Los Angeles Department of Water and Power's potable water system. This interconnection will allow the Jensen plant to test the chlorine injection system prior to restarting operations after a shutdown. Additional piping modifications were necessary to create space for the installation of a backflow prevention device.



Staff installing a fabricated pipe (left) and the completed installation (right)

Ensure Water Quality and Environmental Compliance

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Metropolitan complied with all water quality regulations and primary drinking water standards during February 2026.

Optimize Maintenance and Asset Management

Staff recently completed a scheduled shutdown on 7.5 miles of the 48-inch South Coast Feeder. This outage allowed an internal inspection of the pipeline, maintenance on service connection meters, and the replacement of several faulty valves.



Staff removing a faulty valve (left) and performing maintenance on a service connection meter on the South Coast Feeder (right)

Staff identified a water leak at Gene pump plant. Isolating the line for repair would have required shutting off cooling water to the 230kV transformers. Once the leak was located, staff isolated the affected section and installed repair clamps during a brief outage, allowing the transformers and pumps to remain in service.



Staff repairing a cooling water leak at Gene pump plant

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Staff removed the hydraulic ram that operates an 80,000-lb gate 160 feet below grade, inside the junction shaft at Lake Mathews. This gate became stuck and was later freed up during a short shutdown in 2025, making it operational. Staff will be removing the gate for further inspection and refurbishment, as needed.



Hydraulic ram and pedestal pictured before removal (left) and staff separating the ram from its pedestal (right)

Staff continued the disassembly of the Eagle Unit 1 pump. Pump components will be replaced or repaired as needed. Most of the disassembly is complete, and staff will begin inspecting components and documenting as-found conditions.



Staff repairing Eagle Unit 1 impeller

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Staff is consistently working to maintain the roads in and around our infrastructure, including 250 miles of Desert region roads and 350 miles of 230kV transmission line right-of-way roads. This month, staff worked near Iron Mountain on a section of roadway along our transmission right-of-way. The work consisted of road repair, signage maintenance and vegetation cutback.



Staff maintaining CRA roads

Staff at the Intake pump plant identified a leak during routine maintenance which led to a complete rebuild of the Unit 9 heat exchanger. Internal components were replaced, including the heat exchanger tube bundle and influent and effluent head fittings.



Staff rebuilding Unit 9 bearing heat exchanger at Intake pump plant

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Staff began erosion repairs at the PC-1 pressure control facility. PC-1 was constructed in the 1990s and is located along the Inland Feeder, approximately 16 miles north of Diamond Valley Lake. Significant weather events have caused excessive damage to the slopes around the property. Repairing the erosion damage will ensure the continued reliability and safety of Metropolitan's critical infrastructure.



Staff recompacting eroded slopes and repairing riprap and drainage systems

To optimize the ozonation process, Weymouth plant staff replaced end-of-life ozone diffusers in Contactor 1. The degraded diffusers had reduced system efficiency. Installation of new diffusers restored the ozonation process to its design standards.



Staff replacing ozone diffuser at Weymouth plant

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Skinner staff replaced the end-of-life station battery bank at Red Mountain Hydroelectric Plant. These batteries provide power for electrical and mechanical equipment critical to the safe operation and shutdown of the hydroelectric plant, including Programmable Logic Controller (PLC) power, circuit breaker control, and the closing of wicket gates. Reliable battery power sources are critical to the safe operation of Metropolitan's hydroelectric plants.



Staff installing new station batteries at Red Mountain Hydroelectric Plant

Support Capital Project Development and Implementation

As part of the Weymouth Basins 5-8 capital project, plant staff successfully upgraded the site's infrastructure by replacing a legacy Remote Terminal Unit (RTU) with a modern PLC. This strategic transition addressed the critical risks associated with equipment obsolescence and the lack of available spare parts. By implementing this up-to-date technology, the team has secured long-term operational reliability and ensured continued regulatory compliance.



Legacy RTU controls cabinet (left) and staff working on new PLC control center (right) for Weymouth Basins 5-8

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Weymouth plant staff installed over 2,000 feet of fiber optic cable from the north end of the plant to the switchgear building near the center of the plant. This new cable will replace the existing line that supports multiple systems, including solar arrays and the newly completed Battery Energy Storage System. The new cable provides more reliable communications and monitoring, along with additional capacity to support future expansion.



Staging fiber optic cable spool (left) and accessing utility vaults (right) at Weymouth plant

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Strategic Priority #5: PARTNER

Engage in Legislative and Regulatory Processes

On February 10, the U.S. Department of Transportation, through the Pipeline and Hazardous Materials Safety Administration, published a proposed rule in the Federal Register to amend the Hazardous Materials Regulations and adopt certain international standards. The proposal would revise the Hazardous Materials Table and expand limited-quantity allowances for certain non-flammable compressed gases transported by ground, potentially increasing shipping flexibility. The proposed changes are expected to be primarily administrative, with no immediate operational impacts. Staff are reviewing the proposal's potential compliance implications. Public comments are due April 13.

On February 18, the U.S. Environmental Protection Agency (EPA) published an advanced notice of proposed rulemaking to reconsider applicability thresholds for Clean Water Act (CWA) Hazardous Substance Facility Response Plans. The proposal would increase the screening multiplier from 1,000 to 10,000 times the reportable quantity for CWA hazardous substances such as chlorine, sodium hypochlorite, and sulfuric acid. EPA is also reevaluating proximity-to-navigable-waters determinations and proposing to extend the compliance date for submitting facility response plans from June 1, 2027, to June 1, 2030. Metropolitan does not expect impacts because on-site chemical inventories remain below applicable screening thresholds. Staff will continue to monitor the rulemaking.

On February 24, EPA published proposed amendments to the Risk Management Plan Program to align certain requirements with OSHA's Process Safety Management program and to rescind several administrative provisions adopted in the 2024 rule. The proposal would remove requirements related to three-year record retention for third-party audits and hot-work permits, standby or backup power for monitoring equipment, enhanced gap analyses, stop-work authority, and additional natural hazard and power loss evaluations in-process hazard analyses. Staff are reviewing the proposed amendments for potential operational and compliance implications for Metropolitan. EPA will hold a public hearing on March 10, and written comments are due April 10.

On February 13, the California Division of Occupational Safety and Health (Cal/OSHA) proposed adding Section 331.8 to Title 8 regulations governing workplace inspections. The proposal would expand who may accompany Cal/OSHA inspectors during site visits and allow third-party representatives to participate when deemed reasonably necessary by the agency. The rule would also limit access to trade-secret areas to company employees. The proposal is intended to align state requirements with the federal OSHA Worker Walkaround rule adopted in 2024. Staff are reviewing the proposal and assessing potential implications for Metropolitan. The public hearing and comment deadline is April 1.

Operations Groups

Advance Education and Outreach Initiatives

Eagle Mountain pump plant staff hosted members of the Board of Directors on an Engineering, Operations and Technology (EOT) Committee inspection trip. The directors and guests were provided with information on CRA operations, maintenance, and capital projects.



EOT Committee inspection trip to Eagle Mountain pump plant

California State University, Long Beach students toured the Weymouth plant. The visit included presentations on water supplies, treatment, and water quality, along with equipment observations and a career-focused Q&A session. The event helped bridge academic concepts with real-world engineering, supporting student professional development.



Cal State Long Beach students touring Weymouth plant

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Following the naming of the Water Quality Laboratory in honor of former Director of Water Quality, Dr. Michael J. McGuire, in February 2025, a commemoration plaque was installed at the entrance to the laboratory on March 18. The plaque explains the contributions of Dr. McGuire to the advancement of water quality at Metropolitan, including the construction of the original Water Quality Laboratory in 1985 and initiating the research that led to the implementation of ozone disinfection at the treatment plants.



Installation of plaque commemorating the naming of the Michael J. McGuire Water Quality Laboratory

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Engage with Member Agencies & Other Stakeholders on Technical Matters

On March 3, Metropolitan hosted its quarterly meeting with the State Water Resources Control Board's Division of Drinking Water. Discussion topics included updates on treatment and distribution, water quality, regulations, and capital projects. On March 9, staff provided an update on the SWP Invasive Mussel Mitigation and Control Program at the EOT Committee meeting.

Staff attended the Annual WaterReuse Symposium in Los Angeles on March 8-11, and provided two presentations—"Removal of Acetone and Formaldehyde in a Membrane Bioreactor Process" and "Pathogen Removal Efficiency for Membrane Bioreactors in a Demonstration Facility for Potable Reuse"—and a poster, "Enhancing Treated Wastewater Virus Detection Using Multiple Cell Passages."



Staff delivering PWSC demonstration testing presentation (left) and sharing poster presentation (right) at the 2026 WaterReuse Symposium in Los Angeles

Operations Groups

Staff participated in a four-day workshop on March 16-19 at the Water Quality Laboratory to assess and prioritize Metropolitan's actions in response to the golden mussel infestation in the SWP. Workshop objectives included assessing control and mitigation measures, reviewing planned CIP efforts, and developing prioritized near- and long-term O&M activities. Workshop participants included staff from Operations, Engineering, External Affairs, and Safety, Regulatory and Training; external subject matter experts in invasive mussel mitigation; and California Department of Water Resources staff who provided an overview of control measures within the SWP.



Staff presenting during a workshop on invasive mussel control methods at the Water Quality Laboratory