



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Operations Groups

• **August 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 July 2026 in the following key areas:

- Enhance Workforce Safety and Security
- Manage Business Operations, Budget, and Staffing
- Ensure Resilient and Reliable Operations
- Advance Pure Water Southern California
- 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
- Enhance Emergency Preparedness and Response
- Engage in Legislative and Regulatory Processes
- Advance Education and Outreach Initiatives

Purpose

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

Attachments

Attachment 1: Detailed Report –Operations Groups' Monthly Activities for July 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: Final report with assessment and recommendations to incorporate climate adaptation into the Strategic Asset Management Plan (SAMP) is expected by August 2026.

Update to SAMP with climate adaptations is progressing. Draft is approximately 30 percent complete.

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

OUTCOME: Evaluate projects and programs using the CAMP4W assessment criteria

UPDATE: Operations staff are in the process of reviewing the complete project assessments.

OUTCOME: Integrate climate considerations and implement adaptation strategies

UPDATE: Increased chlorine residual at treatment plant effluents and flushing operations at two locations are continuing to manage nitrification in some parts of the distribution system.

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: The Napolitano Innovation Center demonstration plant continues to operate in a nitrifying, tertiary membrane bioreactor (MBR) mode in preparation for future testing. Staff completed a chemical cleaning on a reverse osmosis train to address fouling and returned the system to service to assess performance improvements.

Staff met with Los Angeles County Sanitation Districts to support the upcoming transition of MBR operations to their staff, including a shadow training program.

Staff also met with various external groups to discuss the performance of one of the two MBR systems, collaborate on future research opportunities, and share information on demonstration plant operations and future career pathways.

Operations Groups

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

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

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

GOAL: Provide Organizational Stability and Deliver Operational Excellence

OUTCOME: Maintain excellence in daily operations and reliability

UPDATE: The invasive mussel task force continued planning, design, and procurement for mussel control measures at multiple locations throughout Metropolitan's system.

City of Burbank's B-06 groundwater replenishment deliveries resumed on July 15 with a temporary chlorination system for invasive mussel control.

Planning continues for a pilot test of copper treatment for mussel control in the Rialto Pipeline, scheduled to begin in mid-August.

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

Monthly Operations At-A-Glance

July 2026

30-Day Window: June 16-July 16

Distribution

* denotes change compared to previous 30-Day period

30-Day Member Agency Deliveries

3,490 AF/Day

Change in Deliveries*

▲ **130 AF/Day**

Recorded June Deliveries to Member Agencies

Consumptive and Replenishment

102 TAF

Forecast July Deliveries to Member Agencies

Consumptive and Replenishment

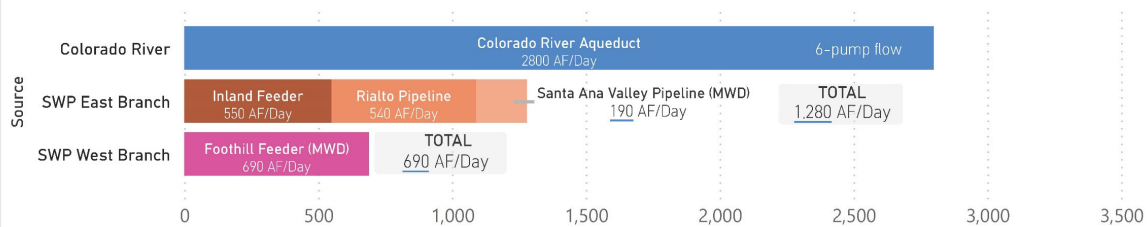
114 TAF

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

8 TAF

Supply

30-Day Average by Source (AF/Day)



Storage

Data as of 7/16/2026

Lake Mathews

128,600 AF

▼ -4,150 AF*



Lake Skinner

38,700 AF

▲ 860 AF*



Diamond Valley Lake

781,200 AF

▼ -2,500 AF*



Hydropower

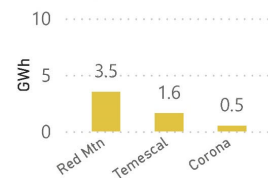
30-Day Total Generation:

5.6 GWh

30-Day Average Power:

7.9 MW

30-Day Total Generation by Plant



Water Quality

Plant Name	Targeted Blend (% SPW)	Current TDS (mg/L)	TTHMs (µg/L)	Flow-Weighted RAA TDS (mg/L)	
	As of 7/16/2026	As of 7/15/2026	As of 6/15/2026	June 2025 - May 2026	
Weymouth	35%	489	28.0	461	461
Diemer	35%	483	28.0	460	460
Skinner	35%	504	42.0	480	480
Jensen	100%	298	17.0	290	290
Mills	100%	240	26.0	235	Target: 500

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

Staff from multiple teams worked to improve security at Intake Pump Plant. Work included tree removal and grading, followed by the installation of concrete barriers.



Staff removing trees (left) and grading for concrete barrier installation (right).



Concrete barrier sections being installed as a security upgrade.

Operations Groups

Staff completed resealing of pavement at the Lake Mathews facility to improve durability and ensure reliability. Crews also repaired surface cracks and restriped the adjacent parking lots to enhance visibility, improve traffic flow, and maintain safe access for personnel and visitors. Together, these efforts reinforce operational efficiency and uphold safety standards at this critical facility.



Lake Mathews Administrative building parking lot seal coating

Strategic Priority #2: SUSTAIN

Manage Business Operations, Budget, and Staffing

Business Management Team staff have been partnering with Operations Groups managers to implement new FY 2026–27 financial workbooks, including non-fleet operating equipment tracking, vacancy, and monthly expenditure reports. The team also issued the FY 2025–26 fourth-quarter Key Performance Indicator Dashboard, which provides operational, financial, water quality, safety, and reliability metrics to support performance monitoring and strategic alignment. In addition, the team is developing a revised internal process for managing operating equipment, supporting organizational transitions, and assisting teams in addressing staffing and other resource needs.

Strategic Priority #3: ADAPT

Ensure Resilient and Reliable Operations

Metropolitan member agency water deliveries are projected to be 120,000 acre-feet (AF) for July with an average of 3,870 AF per day. Treated water deliveries are projected to be 67,230 AF, or 56 percent of total deliveries for the month. In June 2026, member agency water deliveries were 109,600 AF and treated deliveries were 60,220 AF. The Colorado River Aqueduct (CRA) diversions are projected to be 85,400 AF in July. SWP imports averaged 2,100 AF per day, totaling about 65,100 AF for the month. The target SWP blend is 35 percent at the Weymouth, Diemer, and Skinner plants through the end of July.

Operations Groups

Starting 2026 with 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 May 15, DWR increased the SWP allocation to 45 percent. Metropolitan is managing the use of Table A and carryover supplies to guard against the potential for drought conditions starting next year.

Staff continued work on replacing older copper communication lines at remote locations throughout the district. At the Rio Hondo hydroelectric plant, a Starlink antenna is being installed to allow for higher-bandwidth communication, enhanced security capabilities, and improved reliability. The installation includes routing new conduit, an antenna mast, and providing a dedicated power circuit for the new equipment.



Staff installing conduit (left) and enclosure (right) for improved communication systems at Rio Hondo HEP.

Advance Pure Water Southern California

Staff continued operating the demonstration plant in a nitrifying, tertiary membrane bioreactor (MBR) mode. A reverse osmosis train was chemically cleaned to address fouling, and the system was restarted to assess performance improvements.

Staff also participated in a planning meeting with Los Angeles County Sanitation Districts (LACSD) to support the upcoming transition of MBR operations to LACSD and continued advancing the shadow training program. Staff also implemented security upgrades for the operations trailer to support shadow training activities.

Operations Groups

Staff participated in Metropolitan's High School Career Exploration Pilot Program, spending time with students from Carson High School to share information about demonstration plant operations and future career pathways. Staff also met with representatives from an MBR membrane manufacturer, LACSD, and the Program Management Consultant team to discuss membrane performance. In addition, staff met with LACSD and Orange County Water District on July 22 to explore future research collaboration opportunities.



Students from Carson High School shadowing staff and learning about demonstration plant operations (left), and career opportunities (right).

Staff at the Napolitano Innovation Center began above-ground potable water system improvements to replace the aging underground potable water system that has experienced recurring leaks throughout the facility. The project will install a new above-ground Chlorinated Polyvinyl Chloride potable water piping system and remove or abandon sections of the existing underground piping system. By relocating the system above ground, staff will have improved visibility of the potable water network, making it easier to monitor system performance, identify potential issues, and perform future maintenance or modifications.



Staff installing supports and piping for the above-ground potable water system at the Napolitano Innovation Center.

Operations Groups

Strategic Priority #4: PROTECT

Protect Source Waters

The Department of Water Resources successfully treated Silverwood Lake with copper sulfate on July 14 to control a problematic cyanobacterial bloom. Downstream monitoring by Metropolitan staff demonstrated no adverse impacts from this treatment.

Optimize Water Treatment & Distribution Operations

The SWP target blend entering the Weymouth and Diemer plants decreased from 35 percent to 20 percent in late July, with a target of zero percent by mid-August 2026, to support system optimization and an invasive mussel pilot test for the Rialto Pipeline. The SWP target blend entering Lake Skinner remained at 35 percent in July, targeting an increase to 50 percent by August. Flow-weighted running annual averages for total dissolved solids from June 2025 through May 2026 for Metropolitan's treatment plants capable of receiving a blend of supplies from the SWP and the CRA were 461 mg/L, 460 mg/L, and 480 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

Weymouth staff successfully completed the removal and replacement of obsolete flowmeters in the domestic water system. The original units had reached the end of their service life, and support from the manufacturer was no longer available. To avoid data gaps and reduce the risk of equipment failure, new magnetic flowmeters were installed and tested. This upgrade is part of an ongoing project to replace all five flowmeters by year-end. The new system eliminates maintenance delays and ensures the operations team receives continuous, accurate, and real-time flow data for reliable domestic water distribution.



Staff bench testing new flowmeter (left) and new flowmeter installed at Weymouth plant (right).

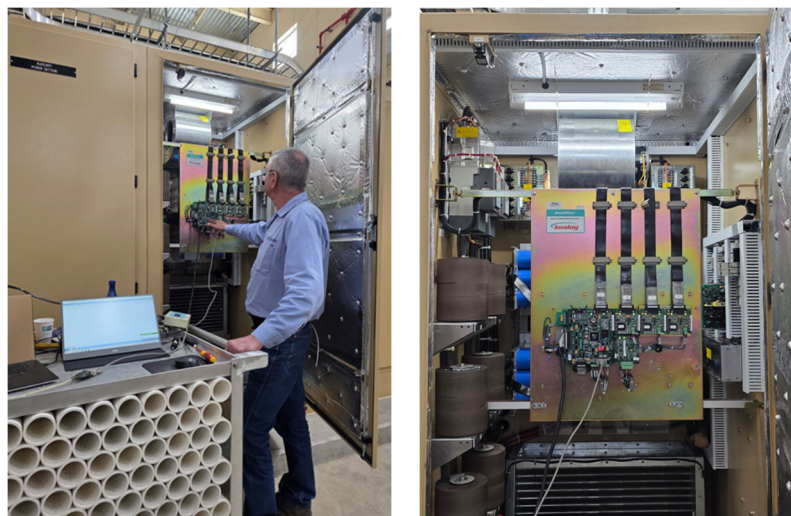
Operations Groups

Skinner plant temporarily removed Module 3 from service to conduct essential maintenance and deep cleaning in response to significant algae growth and solids accumulation. Staff washed basin walls and launders, cleared solids to drain, and cleaned filter drain troughs and filter walls. They also removed sediment from the filter, restoring proper filtration performance. During the return-to-service process, staff backwashed and disinfected the filters in accordance with American Water Works Association standards. These actions ensure the module operates efficiently and maintains water quality and regulatory compliance.



Module 3 Launder and Basin Cleaning

Weymouth plant staff performed repairs on an ozone generator power supply unit. Staff ordered and replaced a faulty circuit board that was preventing the unit from operating correctly. Staff coordinated with the manufacturer to carry out the necessary software programming of the circuit boards. The team also received training and obtained additional replacement parts to facilitate future repairs as needed.



Staff programming new circuit boards (left) and new circuit boards installed (right) for the ozone system at the Weymouth plant.

Operations Groups

Ensure Water Quality and Environmental Compliance

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

Optimize Maintenance and Asset Management

Staff loaded the large gate from the Lake Mathews junction shaft to be transported to the La Verne shops this week. The gate weighs over 50,000 pounds and has damage throughout its body due to corrosion. The gate will need to be refurbished and recoated for extended service life.



Staff positioning the gate after removal from the junction shaft at Lake Mathews.

Operations Groups

Intake pump plant staff installed a rebuilt armature on Unit 2 exciter, a small electrical device that helps the pump's motor keep running smoothly. Over time, the commutation surfaces wear, and the insulation degrades, requiring the exciter to be rebuilt to ensure proper operation.



Staff installing a new exciter armature on Intake Unit 2.

Staff repaired a leak in the fire water system near the Gene pump plant guest lodge.



Plumbing staff repaired a leak in the fire water system.

Operations Groups

Staff removed an isolating device from Gene Unit 1's pant leg. The isolator was installed to facilitate discharge valve repairs. The isolator allows staff to work on the discharge valve while the delivery line and plant remain in operation.



Staff removing Gene Unit 1's pant leg isolator.

Staff continued storm damage repairs along the CRA patrol road between Iron Mountain and Eagle Mountain pumping plants.



Staff performing storm damage repairs.

Operations Groups

Staff is currently conducting routine patrol road maintenance on the Santiago Lateral Patrol Road, Allen-McColloch Pipeline Patrol Road, San Diego Patrol Roads, and the Lake Mathews Patrol Roads. This work is essential to ensuring safe, reliable, and unrestricted access to critical infrastructure. Regular maintenance allows staff to identify and address minor issues before they escalate, preserving road integrity, supporting efficient access for operations and emergency response, and reducing long-term repair costs.



Staff performing routine patrol road maintenance in Orange County

Staff at the Diemer plant recently identified a vertical turbine pump making excessive noise during routine maintenance. The team rebuilt the pump in-house, saving over \$130K.



Staff rebuilding a vertical turbine pump at the Diemer plant.

Operations Groups

During newly established preventative maintenance of facilities within the Mills electrical area, staff discovered damaged equipment. Staff assessed the equipment and replaced it with standardized components already used in other facilities to streamline future repairs and reduce reliance on unique spare parts. Staff replaced the power distribution panel, exhaust blower and a faulty submersible pump. These actions improve system reliability and support more efficient maintenance going forward.



Power panel (left), and blower prior to repair (right).



Newly installed power distribution panel (left), and blower after repair (right).

Operations Groups

Staff continued the corrosion prevention program on a 30-inch valve at the East Valley Feeder/Santa Monica Feeder interconnection. This location provides isolation and redundancy; water can flow in either direction between these pipelines, depending on system demands or special operating conditions.



Before and after coating on a 30-inch valve.

Support Capital Project Development and Implementation

Diemer plant staff are in the process of replacing the outdated Human Machine Interface (HMI) screens on the main plant generators. This is part of the HMI/Programmable Logic Controller capital project, which modernizes aging equipment interfaces and strengthens the reliability of critical electrical systems that support plant operations.



Staff installing the new HMI screen.

Operations Groups

Enhance Emergency Preparedness and Response

In the early hours of July 16, a Los Angeles Department of Water and Power (LADWP) 36-inch water main broke in West Hollywood, causing street damage and significant flooding in the surrounding area. Metropolitan staff immediately responded to the incident due to the proximity of the Santa Monica Feeder. Once it was safe to enter the impacted area, staff inspected the blowoff structure, discharge line, and internal equipment associated with the Santa Monica Feeder. There was exterior damage to the precast concrete and steel ring near the surface, which staff were able to repair promptly. The Santa Monica Feeder flows were not affected, and the pipeline remained in service, meeting member agency demands. As part of this emergency response, Metropolitan also activated its Emergency Operations Center and Western Region Incident Command Post at a low level to enhance communications both internally and externally. Overall, staff responded very well to this event to ensure continued reliable operations and support for our member agencies.



Damaged blowoff structure (left) and staff repairing damaged blowoff structure (right) on the Santa Monica Feeder.



Completion of the slurry backfill of the excavation area over the Santa Monica Feeder in West Hollywood.

Operations Groups

Strategic Priority #5: PARTNER

Engage in Legislative and Regulatory Processes

On June 26, the Environmental Protection Agency (EPA) proposed UCMR 6, which would require community water systems to monitor 30 unregulated contaminants, including ultrashort organofluorine compounds such as PFAS, pesticides, pesticide metabolites, industrial solvents, and chemical intermediates, during a 12-month period between January 2028 through December 2031. Microplastics and pharmaceuticals were excluded due to a lack of standardized analytical methods. EPA will use the data to inform future regulatory decisions. Staff are reviewing the proposed rulemaking and assessing for potential impacts. Public comments are due August 31, 2026.

On July 6, the California Department of Fish and Wildlife (CDFW) published a notice of proposed rulemaking action, amending California Code of Regulations Title 14 sections 650, 672, 672.1, and 672.2 to expand existing regulations to include all invasive mussels, consistent with the Fish and Game Code and Assembly Bill 149. The proposal adds boat decontamination and inspection procedures, establishes a permit cancellation process, extends CDFW's review of control plans from 60 business days to 180 calendar days, and makes related administrative updates. Staff are reviewing the draft rulemaking and assessing potential impacts. Public comments are due August 18, 2026.

On June 22, Cal/OSHA released an updated discussion draft proposing amendments to the Horizontal Sliding and Swinging Gates standard, which will be addressed at an advisory meeting on July 23. The new draft eliminates size and weight thresholds and broadens operational, inspection, and maintenance requirements to all horizontal sliding and swinging gates. If adopted, Metropolitan will need to retrofit affected gates throughout its service area and implement necessary inspection and maintenance requirements to ensure all components, including positive stop mechanisms, are functioning properly. Staff have created an initial inventory of the impacted gates and are collaborating with trade associations to address key concerns regarding the discussion draft. Cal/OSHA intends to issue the official rulemaking in 2027.

On June 3, Fed/OSHA reopened the public comment period on its proposed rule to remove certain medical evaluation requirements for employees using filtering facepiece respirators and loose-fitting powered air-purifying respirators. The action followed an advisory committee recommendation that OSHA withdraw the proposal despite its preliminary finding that these respirators impose a lower physiological burden on employees. Metropolitan uses powered air-purifying respirators for tunnel cleaning and welding activities and adheres to Cal/OSHA requirements. Staff will continue to monitor the rulemaking process. Public comments were due July 6, 2026.

Operations Groups

Advance Education and Outreach Initiatives

Staff provided tours of the Water Quality Laboratory for workforce development interns on July 16 and staff from LACSD on July 23.



Staff leading tour with workforce development interns.