



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Operations Groups

• **January 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 December 2025 in the following key areas:

- Enhance Workforce Safety and Security
- Manage Business Operations, Budget, and Staffing
- Ensure Accurate Billing and Support Revenue Generation
- 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
- Enhance Emergency Preparedness and Response
- Engage in Legislative and Regulatory Processes
- 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 December 2025.

Attachments

Attachment 1: Detailed Report –Operations Groups' Monthly Activities for December 2025

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: Asset management benchmarking surveys have been sent out, and Metropolitan is awaiting responses from participating utilities. Follow-up interviews with utilities have begun. Draft technical memo with recommendations for incorporating climate adaptation into the upcoming 2026 SAMP has been submitted and is currently under review by staff.

OUTCOME: Budget for enhanced mission-critical capabilities

UPDATE: IOPSS is working closely with Finance and Engineering to evaluate various budget scenarios for risk exposure in preparation for budget workshops beginning in January 2026.

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

OUTCOME: Evaluate projects and programs using the CAMP4W assessment criteria

UPDATE: Operations staff is in the process of completing the assessment of the Delta Conveyance Project, Groundwater and Reservoir Augmentation, and Antelope Valley-East Kern Water Agency (AVEK) High Desert Water Bank.

OUTCOME: Integrate climate considerations and implement adaptation strategies

UPDATE: Water Quality's satellite-based Lake Explorer tool has been updated to improve data resolution and include physicochemical lake parameters. This lake imaging tool can be used to track climate change and local weather impacts on Metropolitan's source water lakes.

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: Commissioning of the optimized nitrifying tertiary membrane bioreactor (tMBR) continued.

Staff worked with the Los Angeles County Sanitation Districts to implement snail mitigation measures including installation of an ultrafine screen, transitioning the plant influent to chlorinated secondary effluent, and reducing carbon injection into the demonstration plant influent.

Sampling skids to support pathogen testing during the optimized nitrifying tMBR testing were constructed.

Operations Groups

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.

GOAL: Provide Organizational Stability and Deliver Operational Excellence

OUTCOME: Maintain excellence in daily operations and reliability

UPDATE: Assessment and design of invasive mussel control measures continued with priority focus on restoring groundwater replenishment deliveries at service connections B-06 and USG-03, protecting the ozone cooling loop system at the Jensen plant, and preparing for pilot testing of filtration equipment at Lake Mathews.

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.

OUTCOME: Support a smooth and efficient transition to the next GM

UPDATE: Diemer, Jensen, Mills, Weymouth, Eagle Rock, Soto, Lake Mathews, Iron Mountain, Gene, Eagle Mountain, and Hinds facilities hosted visits by the incoming GM, providing tours, descriptions of major operational activities, and staff introductions.

Operations Groups

The Metropolitan Water District of Southern California

Monthly Operations At-A-Glance

December 2025

30-day window: November 16–December 16

Distribution

* denotes change compared to previous 30-Day period

30-Day Member Agency Deliveries

2,980 AF/Day

Change in Deliveries*

▼ -880 AF/Day

Recorded **November** Deliveries to Member Agencies Consumptive and Replenishment

99 TAF

Forecast **December** Deliveries to Member Agencies Consumptive and Replenishment

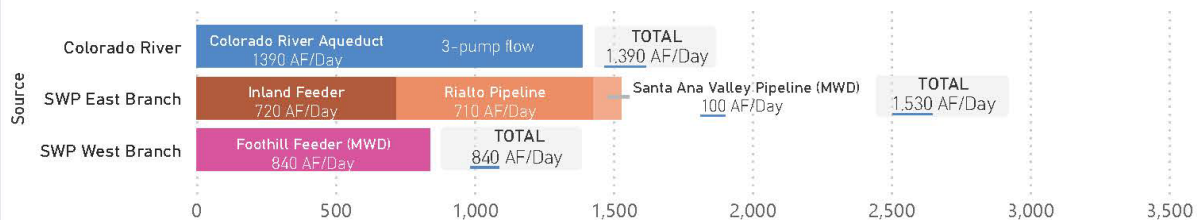
81 TAF

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

0 TAF

Supply

30-Day Average by Source (AF/Day)



Storage

Data as of December 16, 2025

Lake Mathews

162,600 AF

▲ 360 AF*



Lake Skinner

37,000 AF

▼ -5,100 AF*



Diamond Valley Lake

761,300 AF

▼ -3,330 AF*



Hydropower

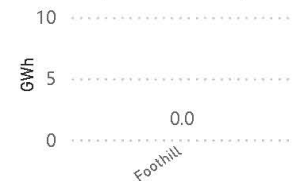
30-Day Total Generation:

0.0 GWh

30-Day Average Power:

0.0 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 12/10/2025	As of 12/10/2025	As of 12/1/2025	November 2024 - October 2025	
Weymouth	75%	377	26.0	539	
Diemer	75%	356	21.0	523	
Skinner	75%	410	26.0	536	
Jensen	100%	269	12.0	295	
Mills	100%	323	54.0	216	Target: 500

TDS = Total Dissolved Solids

TTHM = Total Trihalomethanes

RAA = Running Annual Average

Operations Groups

Operations Groups Business Plan Strategic Priorities and Objectives

Strategic Priority #1: EMPOWER

Enhance Workforce Safety and Security

As part of the Weymouth Basins 5-8 Rehabilitation capital project, plant staff upgraded an outdated chlorine leak detection system that was nearing the end of its service life. The legacy system was obsolete, with replacement parts scarce or unavailable. The upgraded system provides critical life-safety monitoring for any chlorine residual leaks in the tunnels below basins 5 through 8, ensuring continued resilient and reliable protection in this area.



Staff programming chlorine leak detection panel and ensuring all connections and voltages are correct

Operations Groups

Staff continued repairs to perimeter lighting at the Etiwanda Hydroelectric Plant following recent weather events and erosion that buried electrical pull boxes and damaged power to the light fixtures. Staff are removing damaged pull boxes, rebuilding bases, and repairing conduits and wiring to restore lighting, enhancing nighttime visibility and improving safety for staff and security.



Clearing the electrical conduit (left) and preparing new wire for installation (right)

Strategic Priority #2: SUSTAIN

Manage Business Operations, Budget, and Staffing

The Business Management Team is finalizing budget books and refining Operating Equipment reporting processes to ensure a strong start to the upcoming calendar year. In parallel, BMT is reviewing frequently used e-forms and evaluating the development of Operations-specific versions to better streamline approval workflows and improve process efficiency.

Operations Groups

Ensure Accurate Billing and Support Revenue Generation

Skinner plant staff assisted with the installation of a replacement magnetic flow meter at service connection EM-14. The installation replaced an aging flow meter to ensure reliable flow measurement and continued accurate accounting of water deliveries. Continued upkeep of these flowmeters ensures accurate billing.



Service connection magnetic flow meter spool (left) and wiring connection (right)



Magnetic flowmeter controller display

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Strategic Priority #3: ADAPT

Ensure Resilient and Reliable Operations

Metropolitan member agency water deliveries are projected to be 81,000 acre-feet (AF) for December with an average of 2,610 AF per day, which is about 660 AF per day lower than in November. Treated water deliveries were 6,600 lower than in November for a total of 39,500 AF, or 49 percent of total deliveries for the month. The Colorado River Aqueduct (CRA) projected diversions are 42,800 AF in December. SWP imports averaged 1,860 AF per day, totaling about 57,800 AF for the month. The target SWP blend is currently 75 percent at the Weymouth, Diemer, and Skinner plants.

Metropolitan has sufficient SWP and Colorado River supplies, combined with ample storage reserves to meet demands in 2025. 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. The SWP allocation is 50 percent for the 2025 calendar year, and Metropolitan is operating to manage its surplus supplies. Cyclic program deliveries were paused in late September due to increased detections of the invasive golden mussel. In response, CRA pumping was reduced, and SWP blends at the treatment plants were increased for the remainder of the year.

On December 1, the California Department of Water Resources announced an initial SWP allocation of 10 percent for the 2026 calendar year.

Operations Groups

Advance Pure Water Southern California

During December, staff continued the commissioning of the optimized nitrifying tertiary membrane bioreactor testing phase, working with the Los Angeles County Sanitation Districts (LACSD) to implement snail mitigation measures including installation of an ultrafine screen, transitioning the plant influent to chlorinated secondary effluent, and reducing carbon injection into the demonstration plant influent. Staff also constructed sampling skids to support pathogen testing during the upcoming testing phase and made electrical upgrades at the Napolitano Innovation Center.



Staff building sampling skids for pathogen testing at the Napolitano Innovation Center



LACSD staff installing snail mitigation equipment at the Napolitano Innovation Center

Operations Groups

Strategic Priority #4: PROTECT

Protect Source Waters

On December 2, staff participated in an Operable Units 1 and 2 Feasibility Study Roundtable in Las Vegas for stakeholders of the Nevada Environmental Response Trust's Henderson site. Discussion focused on long-term remedial technologies to address perchlorate and other constituent contamination and timing of future submittals. Metropolitan routinely monitors perchlorate levels at the Las Vegas Wash and our CRA intake. Levels at the CRA intake typically remain below 2 ppb, well below California's perchlorate maximum contaminant level of 6 ppb.

On December 3, staff participated in 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 included groundwater remedy operations and final construction phase, Caltrans I-40 bridge replacement, and discussions on the location of a key freshwater injection well. Hexavalent chromium is typically not detected in routine monitoring at the CRA intake.

Optimize Water Treatment and Distribution Operations

The SWP target blend entering the Weymouth and Diemer plants and entering Lake Skinner remained at 75 percent in December 2025.

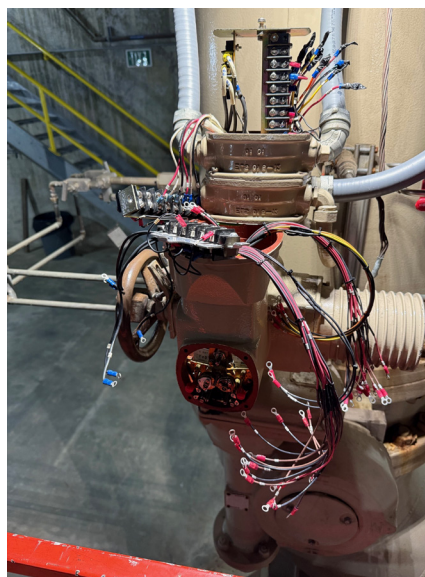
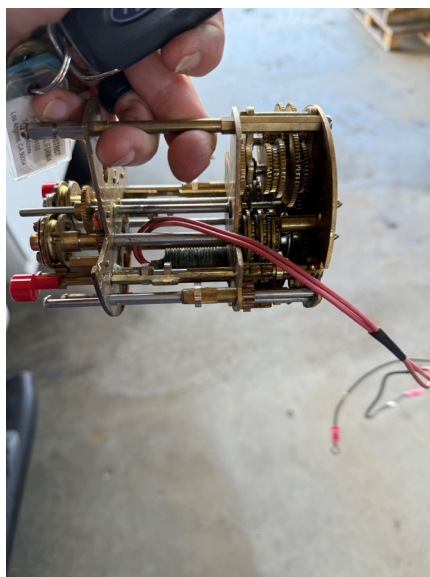
Flow-weighted running annual averages for total dissolved solids from November 2024 through October 2025 for Metropolitan's treatment plants capable of receiving a blend of supplies from the SWP and the CRA were 539 mg/L, 523 mg/L, and 536 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

Operations Groups

Jensen plant staff completed repairs on a filter effluent valve actuator after the valve experienced issues during backwash operations. Sediment buildup caused by water intrusion had prevented the actuator from operating properly. The actuator components were removed, cleaned, and refurbished to restore full functionality.



Filter valve actuator showing sediment buildup, requiring thorough cleaning and refurbishment



Filter valve actuator cleaned, refurbished, and ready for wiring connections

Operations Groups

Weymouth plant staff collaborated with Water Quality to properly disinfect and sample the final 12 filters of the Filter Valve Replacement capital project. This marks the completion of the project, which has restored Filter Building No. 2 to full capacity after approximately three years. The new filter valves will provide improved operations and reliability for filters 25-48, which account for 50 percent of the Weymouth plant's capacity. The upgraded filter valve will allow for greater flexibility and optimization of filter backwashes, resulting in longer run times and improved performance.



Staff collecting water quality samples (left) and analyzing samples for chlorine residual (right) at the Weymouth plant

Staff performed corrective maintenance at the Diemer plant after an inspection identified degradation of center columns and other components on two solids thickener rake units. A coordinated effort across multiple units identified deficiencies and corrective actions, and expedited coating removal, structural welding repairs, and application of protective coatings.



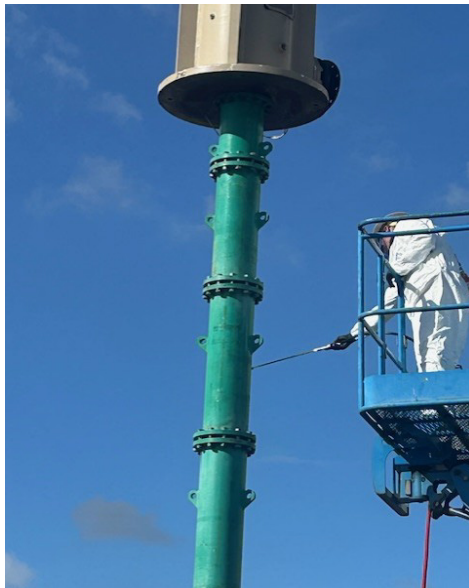
Scaffolding for work access (left) and staff performing weld repairs (right) at the Diemer solids thickeners

Operations Groups

Ensure Water Quality and Environmental Compliance

Metropolitan complied with all water quality regulations and primary drinking water standards during November 2025.

Weymouth plant staff, in conjunction with Water Quality and Construction Services, successfully installed a domestic water pump in the Weymouth Finished Water Reservoir after the pump had been sent out for a complete rebuild. The teams jointly developed a disinfection plan for the newly rebuilt pump, which was thoroughly disinfected before being reinstalled. Water Quality samples were collected throughout the installation process to confirm that all water quality standards were maintained in the reservoir.



Staff performing spray disinfection (left) and installing a domestic water pump (right) at the Weymouth Finished Water Reservoir

Operations Groups

Weymouth plant staff are collaborating with Western Conveyance and Distribution and Engineering to install a portable chemical feed pump skid at the 108th Street Pressure Control Structure on the Palos Verdes Feeder. The equipment is currently undergoing final testing before installation and commissioning. Once operational, these pumps will enable the addition of sodium hypochlorite to the treated water in the distribution system to help mitigate potential nitrification issues.



Staff programming a variable frequency drive (left) and completed piping and instrumentation (right) for a chemical feed pump skid

Operations Groups

Optimize Maintenance and Asset Management

Diemer plant staff are removing a sedimentation basin from service to clean the flocculation and clarifier equipment, along with the solids accumulation sumps, ensuring optimal efficiency. Following cleaning, the equipment is inspected and any necessary maintenance is completed.



Staff washing down a sedimentation basin at the Diemer plant

Diemer plant staff discovered an underground water leak and coordinated with Engineering, Construction Services, and an outside contractor to locate it. The area around the water line was excavated, allowing staff to safely perform the repair and help prevent future leaks.



Staff coordinating with contractor to excavate a leaking water line at the Diemer facility

Operations Groups

Staff located and repaired a raw water leak on the north side of the Diemer plant facility. Using multiple resources, identified the alignment and located the leak at a compromised joint on a 10-inch raw water line. During this effort, staff also determined that the current drawings for this area were outdated and are updating the as-builts to reflect the newly identified utilities.



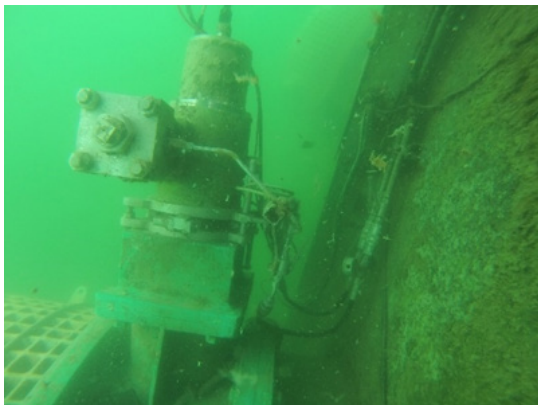
Vendor assisting staff with vac truck services (left) and staff locating water line (right) at Diemer facility

Operations Groups

Staff refurbished a hydraulic actuator for a large-diameter butterfly valve located on Outlet Tower 2 at Lake Mathews. After refurbishment, the actuator was installed on the outlet tower valve and will be used to support the refurbishment of a second hydraulic actuator.



As-found condition of existing Tier 1 actuator (left) and actuator pressure washing (right)



Existing actuator after pressure washing (left) and removed actuator for refurbishment (right)



Refurbished actuator (left) and installation of refurbished actuator at Lake Mathews outlet tower (middle and right)

Operations Groups

The Mills plant completed a full shutdown during the first week of December. The plant was dewatered which allowed entry to normally inaccessible areas to perform repairs, maintenance, cleaning, inspections, and 3D scanning of structures. Months of planning and coordination with multiple Metropolitan teams, the Department of Water Resources, and member agencies ensured successful implementation. Periodic shutdowns are essential to ensure the safe and reliable delivery of drinking water and keep the plants in optimal condition. The shutdown concluded ahead of schedule with no injuries or incidents.



Staff pressure washing the filter effluent channel (left) and repairing ammonia injection equipment (right) at the Mills plant

Operations Groups

Intake pump plant staff performed annual maintenance on Unit 8. While pipe replacement is not typically a part of annual maintenance, the planned outage provided an ideal opportunity to also replace the cooling water piping.



Staff removing and replacing a section of cooling water pipe at the Intake pump plant

Desert staff continue rehabilitation of the Gene Unit 1 discharge valve and have begun reassembly of the valve body, including installation of the plug and shaft.



Staff working on Gene Unit 1 discharge valve

Operations Groups

Desert staff maintains over 300 miles of Metropolitan's 230kV transmission system. The system is transformed down to 2,300 volts for use around the pump plant industrial areas and villages. Many of the power poles within the 2,300-volt system are aging and are being replaced on a regular basis.



Staff replacing power poles at the Iron Mountain pump plant

Recently, multiple storms hit the Desert region resulting in heavy runoff in washes and movement of dirt and debris. These storms often damage the roads along the CRA and around the Desert pumping plants. Staff responded and performed repairs as needed.



Staff repairing damage along the CRA access road

Operations Groups

Staff installed and calibrated new temperature transmitters on Eagle Mountain pump plant Unit 9. These devices will trip the unit offline if the bearing temperature exceeds normal operating parameters.



Staff calibrating new bearing temperature devices at Eagle Mountain pump plant

Enhance Emergency Preparedness and Response

Staff recently participated in the dedication of a 4,000-gallon helicopter dip tank at the Palos Verdes Reservoir. The new facility was developed in collaboration with the Los Angeles County Fire Department and installed to protect homes, businesses, and infrastructure in the surrounding Palos Verdes Peninsula.



Los Angeles County Fire helicopter filling its tank at the newly-installed facility

Operations Groups

Strategic Priority #5: PARTNER

Engage in Legislative and Regulatory Processes

On November 24, the U.S. Environmental Protection Agency (EPA) and the Natural Resources Defense Council agreed to extend the court-ordered deadline for proposing a Maximum Contaminant Level (MCL) for perchlorate from November 21, 2025, to January 2, 2026. EPA has submitted a draft proposed perchlorate MCL to the Office of Management and Budget for interagency review; however, details of the proposal are not yet publicly available. Pursuant to the court order, EPA is required to finalize the regulation by May 21, 2027. Staff will continue to monitor EPA's actions and engage in the regulatory process as needed.

On November 20, the EPA and the U.S. Army Corps of Engineers released a draft Updated Definition of "Waters of the United States" (WOTUS) rule. The proposal responds to the U.S. Supreme Court's 2023 decision in *Sackett v. EPA* and clarifies that WOTUS includes only relatively permanent bodies of water—such as streams, rivers, lakes, and oceans—and wetlands that are adjacent and "indistinguishable" from those waters due to a continuous surface connection. Staff are currently drafting comments in advance of the January 5 public comment deadline.

On November 28, the California Division of Occupational Safety and Health (Cal/OSHA) released a 45-Day Public Comment Package proposing updates to workplace First Aid Kit requirements, with adoption anticipated on January 15, 2026. The proposal would allow first aid kits to comply with either American National Standards Institute requirements or, as determined necessary by a licensed healthcare professional. Employers would be required to evaluate and provide additional first aid kits and supplies based on workforce size, worksite conditions, and specific workplace hazards. Staff are reviewing the proposed rulemaking to assess potential impacts on Metropolitan facilities and operations. If adopted, Metropolitan would need to update first aid kits to align with the new requirements.

Engage with Member Agencies and Other Stakeholders on Technical Matters

Staff provided an update on golden mussels in the SWP at the Association of California Water Agencies fall conference in San Diego on December 2, and an update on Metropolitan's invasive mussel response to member agency managers on December 12.

On December 18, staff participated in a meeting with the California Department of Water Resources to discuss the feasibility of installing invasive mussel control measures upstream of Metropolitan facilities on the east and west branches of the SWP.

Operations Groups

Operations Groups staff welcomed Metropolitan's newly appointed General Manager, Shivaji Deshmukh, for meet-and-greets followed by comprehensive walking tours of the Diemer, Jensen, Mills, and Weymouth plants; the Eagle Rock Operations Control Center; Soto St facility; Lake Mathews; and Eagle Mountain, Hinds, Iron Mountain and Gene pumping plants. The visits provided an opportunity to have presentations highlighting each facility's operations, discuss current projects and future initiatives, and introduce staff.



Staff touring the Jensen plant with newly-appointed General Manager Deshmukh