



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Water Resource Management Group

● Water Resource Management Report

Summary

The Water Resource Management Group – July 22-August 18, 2025 Activities

Purpose

Informational

Detailed Report

Develop a Biennial Budget that Meets Metropolitan's Needs

In August 2025, Water Resource Management (WRM) staff completed work on a new sales projection in support of analyses for the upcoming biennial budget. The sales projection was derived from the Integrated Resource Plan (IRP) methodology and reflects recent conditions, current trends, and best available information. Updates include new demographic forecasts from the Southern California Association of Governments and San Diego Association of Governments and member agency responses to the 2025 Local Supply Survey. The new projection falls within the 2020 IRP Regional Needs Assessment planning range. *"Business Plan: B.4.e. Maintain Financial Flexibility and Long-Term Financial Sustainability – Other"*

Execute CAMP4W Implementation Strategy to Integrate Climate Adaptation District-Wide

In August 2025, WRM staff worked with project proponents to develop reliability analyses for the draft CAMP4W Assessments. Staff performed reliability analyses of a hypothetical test case in which all CAMP4W projects were in operation under Scenario C (low demand) and Scenario D (high demand) severe climate change conditions. *"Business Plan: C.4.a.- Evaluate Projects and Programs Using the CAMP4W Assessment Criteria – Evaluate Possible Investments Using CAMP4W Assessments (incl. Pure Water, Sites, DCP, SWPDA Strategies, Conservation) and Develop "Portfolio Views" Where Feasible, to Support Board Decision Making (WRM as Convenor of Org-Wide Assessment Committee)"*

Two studies related to seawater and brackish groundwater desalination are currently underway. For the seawater desalination study, CDM Smith is finalizing the last technical memo and will begin preparing the draft final report in the coming weeks. The final report is scheduled to be completed later this year with a board presentation estimated for the spring of 2026. For the brackish groundwater study, AECOM has submitted drafts of three technical memos and is projected to be complete in Q2 2026. *"Business Plan: C.3.d.– Identify Climate Adaptation Strategies – Complete Desalination Studies (WRM)"*

Staff met with SeaWell LLC, a Santa Barbara-based company developing a new offshore seawater desalination buoy technology. SeaWell's desalination approach features clusters of six floating buoys located about a mile offshore. Each cluster produces 0.6 million gallons per day (MGD), or about 670 acre-feet per year. SeaWell is developing pilot tests with Vandenberg Air Force Base and in Chile.

Staff participated in an OceanWells partner meeting held at Las Virgenes. Metropolitan is supporting the potential project with a \$500,000 Future Supply Actions Funding Program pilot study of the technology. OceanWells' desalination approach features subsurface desalination buoys located three to

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5 miles offshore at a depth of 400 to 800 meters. Las Virgenes is leading an evaluation of the potential for OceanWells technology to supply up to 59 MGD to several State Water Project-dependent member agencies, including the Los Angeles Department of Water and Power (LADWP), Calleguas, Burbank, West Basin (Malibu), and several others. Staff also provided water quality parameters to consultants evaluating onshore integration options. *“Business Plan: C.3.f.– Identify Climate Adaptation Strategies – Conduct Drought Mitigation project studies (ESG, overlap with SWPDA Outcomes)”*

Staff are participating in the drafting of the 2025 workplans for the Los Angeles County Water Plan. Three strategic Task Force Groups have been formed to implement key actions in the Water Plan that strengthen regional collaborations and partnerships that support long-term, diverse, and sustainable water resources development. The three task forces will focus on Regional Supply and Storage, Regional Water Quality, and Wildfire. *“Business Plan: C.5.c.– Integrate Climate Conditions and Implement Adaptation Strategies – Evaluate and Refine Conservation/Efficiency Programs (WRM)”*

LADWP Future Supply Action (FSA): On July 22nd, the Resource Development Team and Supply Acquisition Team staff were given a tour of the LADWP Headworks Direct Potable Reuse Pilot. The pilot study is being partly funded by MWD’s FSA Funding Program. The study will evaluate alternative treatment trains that could eventually be used for DPR.

Metropolitan staff attended the Alliance for Water Efficiency’s Annual Water Conservation Symposium in Chicago, IL, August 6-August 8. Staff participated and presented in sessions on: innovative marketing and outreach showcasing media and collateral from Metropolitan’s Tree Rebate Program; strategic partnerships highlighting Metropolitan’s success in collaborating with member and external agencies to promote stacked incentives in our Regional Conservation Program; and discussed Metropolitan’s efforts in addressing non-functional turf and outdoor water use efficiency in the commercial, industrial, and institutional sector.

Metropolitan staff presented to the California Association of Community Managers regarding AB 1572 compliance, enforcement, and options for HOA property managers.

Metropolitan staff presented at the California Data Collaborative Data Summit in Davis, CA, on August 21, about the Innovative Conservation Program and the importance of incorporating water conservation innovation in long-term supply planning. *“Business Plan: C.5.d.– Integrate Climate Conditions and Implement Adaptation Strategies – Evaluate and Refine Local Resource programs (WRM)”*

Provide Organizational Stability and Deliver Operational Excellence

Technical collaboration with member agencies for the 2025 Urban Water Management Plan (UWMP) continued with data collection efforts under the 2025 Annual Local Production Survey, launched in April 2025, for local supply data that will support analyses for the UWMP and other planning processes. The survey updates the historical production data and assists in the regional demand calculation for reporting purposes and calibrating demand projections. Staff are in the process of reviewing the responses and coordinating follow-up with staff from the member agencies. *“I.1.e – Maintain Excellence in Daily Operations and Reliability – Other (WRM)”*

As of August 12, staff received 100 percent of the local production and 82 percent of the future project inventory survey from member agencies, and is working to obtain the remaining data to complete the inventory update of existing and planned projects. *“I.1.e – Maintain Excellence in Daily Operations and Reliability – Other (WRM)”*

	Project Name	Member Agency	Type	Contractual Yield
1	Burbank Recycled Water System Expansion Phase II Project	City of Burbank	Recycled Water	960
2	Oxnard Advanced Water Purification Facility Project	Calleguas MWD	Recycled Water	742
3	Eastern Recycled Water Pipeline Reach 16 Project	Eastern MWD	Recycled Water	669
4	French Valley Expansion Project	Eastern MWD	Recycled Water	140
5	Griffith Park South Water Recycling Project	City of Los Angeles	Recycled Water	181.0
6	North Hollywood Area Water Recycling Project	City of Los Angeles	Recycled Water	228
7	Terminal Island Recycled Water Expansion Project	City of Los Angeles	Recycled Water	8,000
8	Westside Area Water Recycling Project	City of Los Angeles	Recycled Water	150
9	Hansen Area Water Recycling Phase I Project	City of Los Angeles	Recycled Water	1,779
10	Los Angeles Taylor Yard Park Water Recycling Project	City of Los Angeles	Recycled Water	150
11	Sepulveda Basin Water Recycling Project - Phase 4	City of Los Angeles	Recycled Water	380
12	Van Nuys Area Water Recycling Project	City of Los Angeles	Recycled Water	141
13	Hansen Dam Golf Course Water Recycling Project	City of Los Angeles	Recycled Water	500
14	North Atwater Area Water Recycling Project	City of Los Angeles	Recycled Water	28
15	Leo J. Vander Lans Water Treatment Facility Expansion Project	City of Long Beach	Recycled Water	1,713
16	El Toro Recycled Water System Expansion	MWDOC	Recycled Water	1,050
17	Capistrano Valley Non Domestic Water System Expansion	MWDOC	Recycled Water	277
18	Lake Mission Viejo Advanced Purification WTF	MWDOC	Recycled Water	300
19	El Toro Phase II Recycled Water Distribution System Expansion	MWDOC	Recycled Water	350
20	Las Flores Recycled Water System Expansion Project	MWDOC	Recycled Water	209
21	Michelson/Los Alisos Water Reclamation Plant Upgrades and	MWDOC	Recycled Water	8,500
22	San Clemente Recycled Water System Expansion Project	MWDOC	Recycled Water	955
23	Rowland Water District Portion of the City of Industry Regional	Three Valleys MWD	Recycled Water	895
24	Walnut Valley Water District Portion of the City of Industry Regional	Three Valleys MWD	Recycled Water	1,674
25	Oceanside Pure Water and Recycled Water Phase I Project	SDCWA	Recycled Water	6,000*
26	San Diego Pure Water North City Project Phase I	SDCWA	Recycled Water	33,600*
27	East County Advanced Water Purification Project	SDCWA	Recycled Water	12,882*
28	Los Angeles Groundwater Replenishment Project	City of Los Angeles	Recycled Water	19,500*
29	Escondido Regional Reclaimed Water Project	SDCWA	Recycled Water	1,051
30	San Elijo Water Reclamation System	SDCWA	Recycled Water	1,600
31	Escondido Membrane Filtration Reverse Osmosis Facility	SDCWA	Recycled Water	3,280
32	Groundwater Reliability Improvement Program Recycled Water	City of Torrance	Recycled Water	10,000
33	Direct Reuse Project Phase IIA	Upper San Gabriel Valley MWD	Recycled Water	2,157
34	USGVMWD Portion of the City of Industry Regional Recycled Water	Upper San Gabriel Valley MWD	Recycled Water	1,624
35	La Puente Recycled Water Project	Upper San Gabriel Valley MWD	Recycled Water	60
36	West Basin Water Recycling Program Phase V Project	West Basin MWD	Recycled Water	1,851
37	Elsinore Valley Recycled Water Program	Western MWD	Recycled Water	300
38	PURE Water Project Las Virgenes-Triunfo	Las Virgenes MWD	Recycled Water	5,000**
39	Beverly Hills Desalter Project	City of Beverly Hills	Groundwater	2,600
40	North Pleasant Valley Desalter Project	Calleguas MWD	Groundwater	3,800
41	Round Mountain Water Treatment Plant	Calleguas MWD	Groundwater	1,000
42	Chino Basin Desalination Program / IEUA	IEUA	Groundwater	17,410
43	Fallbrook Groundwater Desalter Project	Eastern MWD	Groundwater	3,100
44	Perris II Brackish Groundwater Desalter	Eastern MWD	Groundwater	5,500
45	Irvine Desalter Project	MWDOC	Groundwater	6,700
46	Capistrano Beach Desalter Project	MWDOC	Groundwater	1,173
47	IRWD Wells 21 & 22 Desalter Project	MWDOC	Groundwater	5,798
48	Pomona Well #37-Harrison Well Groundwater Treatment Project	Three Valleys MWD	Groundwater	981
49	Cal Poly Pomona Water Treatment Plant	Three Valleys MWD	Groundwater	250
50	Santa Monica Sustainable Water Supply Project	City of Santa Monica	Groundwater	2,300
51	Chino Basin Desalination Program / Western	Western MWD	Groundwater	17,410
52	Perris North Basin Groundwater Contamination Prevention and	Eastern MWD	Groundwater	3,466**
53	Doheny Ocean Desalination Project	MWDOC	Desalination	5,600**

* Not in operation / under construction

** Board Authorized , drafting agreement