



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Water Resources Management Group

- **Water Surplus and Drought Management Update
Conditions as of 12/12/2024**

Summary

This report provides a preliminary accounting for water supply, demand, and storage conditions for calendar year (CY) 2025 as of December 12, 2024. This report also tracks the hydrologic conditions for water year (WY) 2024-2025. Updated supply and hydrologic information will be provided during the oral report in January.

After a dry start to the water year, a series of storms in late November significantly improved the hydrologic conditions in the Northern Sierra, with snowpack and precipitation levels measuring above normal at 156 percent and 120 percent, respectively, as of December 12, 2024. The Upper Colorado River Basin snowpack and precipitation measured slightly below normal at 95 percent.

Currently, the estimated amount of imported supply available from the State Water Project (SWP) and Colorado River, prior to withdrawing water from storage, is 1.05 million acre-feet (MAF) for CY 2025. The SWP portion is 96 thousand acre-feet (TAF) based on the initial SWP Table A allocation of five percent. In determining the initial allocation, the California Department of Water Resources (DWR) considered the dry conditions leading up to November 1, 2024, and assumed a conservative estimate for precipitation going forward. DWR is assessing the impacts of the improved hydrologic conditions on the SWP Table A allocation and may update the allocation accordingly. For Metropolitan's Colorado River supply, the Lower Basin is at a Level 1 shortage in CY 2025, which does not impact Metropolitan's operations and water supply. Metropolitan's Colorado River supply is currently estimated at 958 TAF. This supply may change based on higher priority water use in California and future water management actions taken by Metropolitan.

The demand on Metropolitan is currently estimated to be 1.39 MAF for CY 2025. With currently estimated Colorado River supplies and the current SWP Table A allocation of 5 percent there is a supply gap of approximately 335 TAF, prior to utilizing stored supplies. Holding currently estimated demand on Metropolitan and Colorado River supplies constant, a SWP Table A allocation of 25 would balance supplies and demands and eliminate the need to utilize stored supplies. It is early in the year and a wide range of supply and demand outcomes remain possible. Should supplies remain low, Metropolitan has sufficient dry-year storage available to satisfy the potential supply gap for CY 2025, including for the SWP Dependent Area.

Purpose

Informational

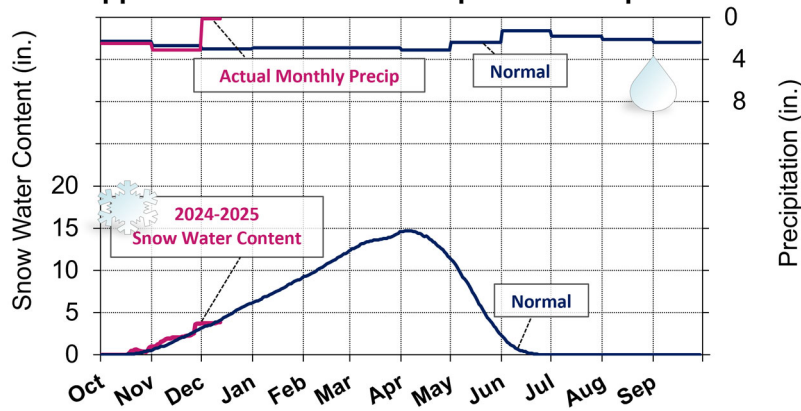
Attachments

- Attachment 1: Projected 2025 WSDM Storage Detail (5 percent SWP Table A allocation)
Attachment 2: Future Contributions and Obligations and Cyclic Program

Detailed Report

This Water Surplus and Drought Management (WSDM) report provides the preliminary water supply and demand estimates for CY 2025 and developing hydrologic conditions for water year (WY) 2024-2025.

Upper Colorado Basin Snowpack & Precipitation



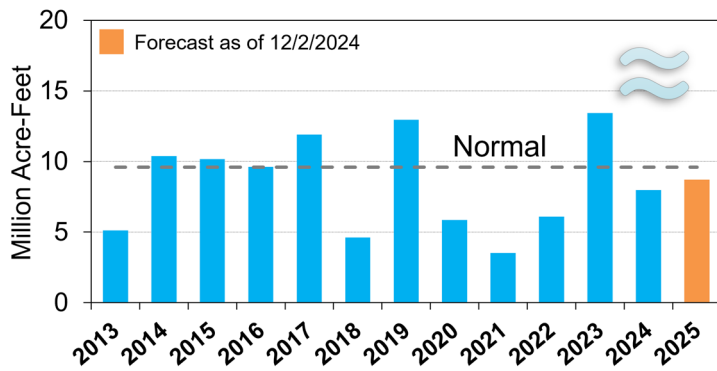
Upper Colorado River Basin

✳ Below normal snowpack water content for this date: 3.9 inches or 95% of normal. Snow data early in the season may not provide a valid measure of conditions.

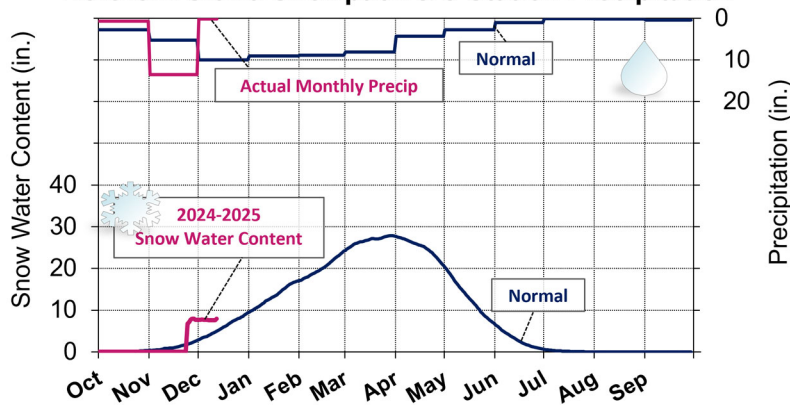
◆ Below normal precipitation to date: 5.8 inches or 95% of normal.

≈ Runoff into Lake Powell for WY 2025 is forecasted at 91% of normal.

Powell Unregulated Water Year Runoff



Northern Sierra Snowpack & 8-Station Precipitation



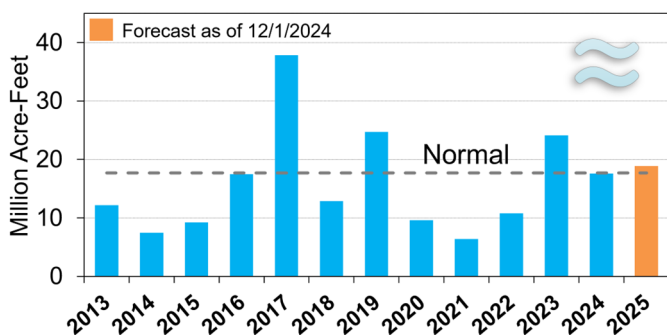
Sacramento River Basin

✳ Above normal snowpack water content for this date: 7.9 inches or 156% of normal. Snow data early in the season may not provide a valid measure of conditions.

◆ Above normal precipitation to date: 14.4 inches or 120% of normal.

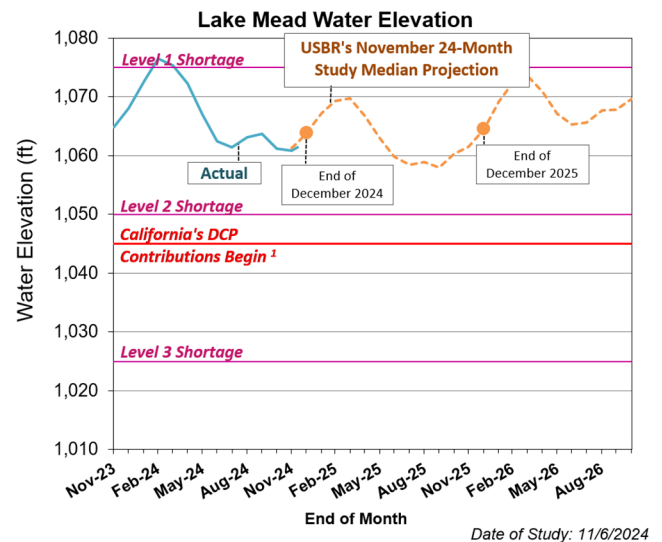
≈ Runoff forecast for WY 2025 is forecasted at 107% of normal.

Sacramento River Water Year Runoff



CRA Supplies	Acre-Feet
Basic Apportionment	550,000
IID/MWD Conservation Program	105,000
CVWD - 2nd Amendment, Exchange of Additional Water	0
PVID Following Program ¹	0
Exchange w/ SDCWA (IID/Canal Lining)	278,000
Exchange w/ USBR (San Luis Rey Tribe)	16,000
Lower Colorado Water Supply Project	9,000
Bard Seasonal Following Program ¹	0
Quechan Diversion Forbearance ¹	0
Quechan Seasonal Following Program ²	0
Higher Priority Water Use Adjustment	0
Total CRA Supplies³	958,000

¹ Not a supply for Metropolitan in 2025. Water generated from these programs becomes system water as part of USBR’s Lower Colorado Conservation Program to help protect Lake Mead.
² Program available to Metropolitan in 2025. An estimate will be provided when more information becomes available.
³ Supplies based on Metropolitan’s submitted water order to USBR. Total may not sum due to rounding.

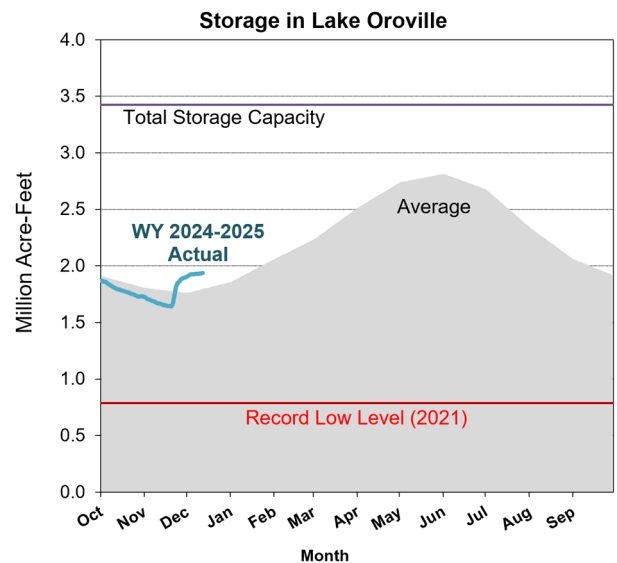


¹ Metropolitan is not required to make Drought Contingency Plan (DCP) contributions in 2025 because the August 2024 24-month Study projected Lake Mead’s elevation to be above 1,045 feet on January 1, 2025. This figure reflects the latest 24-month study (November 2024) available at the time of this report.

- Lake Mead storage is currently 8.5 MAF or elevation 1061.4 feet (33 percent of total capacity).
- The Lower Basin is at a Level 1 shortage in CY 2025. Under this level, Metropolitan’s operations and water supply are not impacted.

SWP Supplies	Acre-Feet
Table A (5% SWP allocation)	96,000
Port Hueneme ¹	0
Total SWP Supplies²	96,000
Total Supplies (CRA + SWP) (Prior to storage actions)²	1,053,000

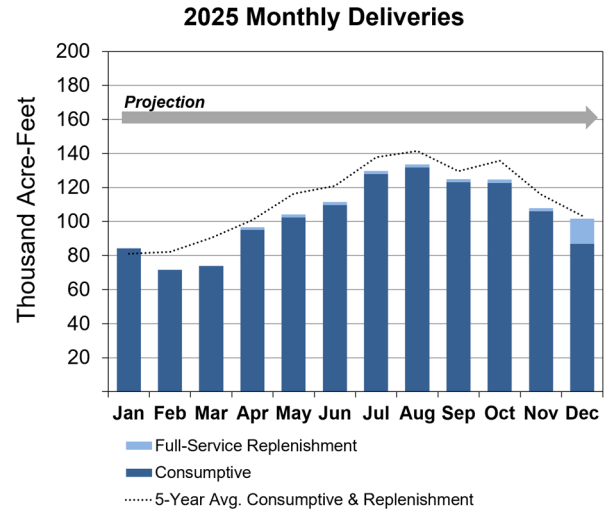
¹ Rounded to the nearest thousand. Supply is 93 AF.
² Total may not sum due to rounding.



- The initial SWP Table A allocation for CY 2025 is five percent. Further increases to the SWP allocation are possible and will depend on future hydrologic conditions. The final allocation is typically determined in May or June.
- Lake Oroville is currently at 1.94 MAF (57 percent of total capacity) or 108 percent of historical average, as of the date of this report.

Current Demand	Acre-Feet
Member Agency Consumptive ¹	1,278,000
Member Agency Replenishment	30,000
Coachella Valley Water District Agreement	15,000
Imperial Irrigation District Return	0
Exchange w/ San Luis Rey Tribe	16,000
System and Storage Losses	50,000
Cyclic Deliveries	0
2022 Reverse Cyclic Deliveries	0
Total Demands ²	1,388,000

¹ Includes exchange w/ SDCWA (IID/Canal Lining) and CUP sales.
² Total may not sum due to rounding.

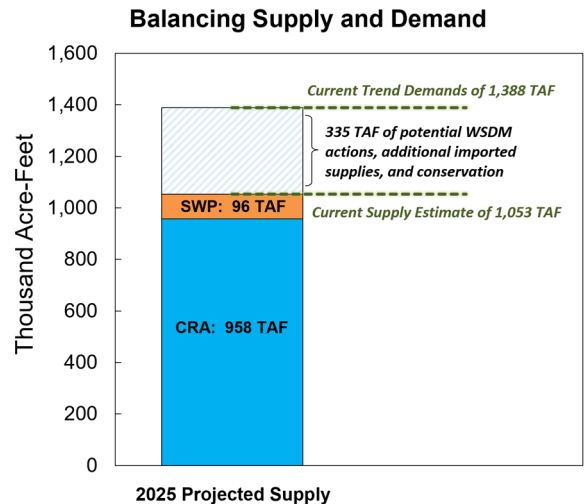


Member agency demands for CY 2025 are forecasted to be slightly below the 5-year average due to higher initial local supplies.

MANAGING REGIONAL SUPPLY AND DEMAND

Supply/Demand Balance	Acre-Feet
Total Supplies	1,053,000
Total Demands	1,388,000
Current Balance Estimate ¹	-335,000

¹ Total may not sum due to rounding.



WSDM Strategies/Actions

Metropolitan is monitoring supply development and updated demand projections. Appropriate WSDM actions will be taken to satisfy any supply/demand gap. Should supplies remain low, Metropolitan has sufficient dry-year storage available to satisfy the potential supply gap for CY 2025, including for the SWP Dependent Area.

2025 WSDM Storage Detail

	1/1/2025 Estimated Storage Levels ¹	CY 2025 Take Capacity ²	2025 Total Storage Capacity
WSDM Storage			
Colorado River Aqueduct Delivery System	1,595,000	194,000	1,622,000
Lake Mead ICS	1,595,000 ³	194,000 ⁴	1,622,000 ³
State Water Project System	1,165,000	676,000	2,339,000
MWD & DWCV Carryover	386,000	386,000	530,000 ⁵
MWD Articles 14(b) and 12(e)	0	0	0
Castaic and Perris DWR Flex Storage	219,000	219,000	219,000
Arvin-Edison Storage Program	100,000	0	350,000
Semitropic Storage Program	226,000	45,000	350,000
Kern Delta Storage Program	141,000	26,000	250,000
Mojave Storage Program	19,000	0	330,000
AVEK Storage Program	27,000	0	30,000
AVEK High Desert Water Bank Program	47,000	0	280,000
In-Region Supplies and WSDM Actions	1,062,000	648,000	1,246,000
Diamond Valley Lake	788,000	531,000	810,000
Lake Mathews and Lake Skinner	187,000	75,000	226,000
Conjunctive Use Programs (CUP)	87,000	42,000	210,000 ⁶
Other Programs	761,000	19,000	1,181,000
Other Emergency Storage	381,000	0	381,000
DWCV Advanced Delivery Account	380,000	19,000	800,000
Total	4,584,000	1,537,000	6,388,000
Emergency	750,000	0	750,000
Total WSDM Storage (AF) ⁷	3,834,000	1,537,000	5,638,000

¹ Preliminary start of year balances, subject to DWR adjustments and USBR final accounting in May 2025.

² Take capacity assumed under a five percent SWP Table A Allocation. Storage program losses included where applicable.

³ This amount is net of the water Metropolitan stored for IID in Lake Mead in an ICS sub-account.

⁴ Take capacity will be based on planned maintenance activities and current CRA supply estimate.

⁵ Total storage capacity varies year-to-year as the contractual annual storage limit, based on the SWP Table A allocation, is combined with the remaining balance from the previous year. There is a potential risk that Metropolitan's stored water be converted to SWP contractor water if San Luis Reservoir approaches full capacity.

⁶ Total of all CUP programs including IEUA/TVMWD (Chino Basin); Long Beach (Central Basin); Long Beach (Lakewood); Foothill (Raymond and Monk Hill); MWDOC (Orange County Basin); Three Valleys (Live Oak); Three Valleys (Upper Claremont); and Western.

⁷ Total WSDM Storage level subject to change based on accounting adjustments. Total may not sum due to rounding.

Future Contributions and Obligations and Cyclic Programs

Table 1: Future Obligations ¹

	Beginning of Year 2025 Balance
Water Stored for IID under the California ICS Agreement and its Amendment or the 2021 Settlement Agreement with IID	258,000 ²
Storage and Interstate Release Agreement with Southern Nevada Water Authority (SNWA)	330,000 ³
Coachella Valley Water District Agreement	70,000 ⁴
2022 Reverse Cyclic	3,000 ⁵
Total (AF) ⁶	660,000

¹ Rounded to the nearest thousand AF. Subject to change based on accounting adjustments.

² Reflects final accounting under USBR's 2023 Water Accounting Report released May 15, 2024. IID can request a return in any year, conditional on agreement terms.

³ SNWA may request up to 30,000 AF per year.

⁴ Obligation must be met by the end of 2026.

⁵ Deferred delivery from Calleguas Municipal Water District in 2022. Metropolitan is required to meet this obligation by 2027.

⁶ Total may not sum due to rounding.

Table 2: Potential Magnitude of California's Drought Contingency Plan Contribution

	2025	2026
Likelihood of Required California Drought Contingency Plan Contribution ¹	0%	0%
Average Metropolitan DCP Contribution When Contributions Are Required (AF)	0	0

¹ Results from USBR's November 2024 Colorado River Mid-Term Modeling System (CRMMS) model run.

Table 3: Cyclic Program Activity ¹

CY	Starting Balance (AF)	CY Actions (AF)				Ending Balance (AF)
		Cyclic Pre-Delivery	Cyclic Cost-Offset Pre-Delivery	Total Pre-Delivery	Sale Out of Cyclic to Date	
2019	51,000	147,000	19,000	166,000	91,000	126,000
2020	126,000	2,000	0	2,000	50,000	79,000
2021	79,000	0	0	0	28,000	51,000
2022	51,000	0	0	0	27,000	24,000
2023	24,000	33,000	14,000	48,000	72,000	0
2024	0	77,000	0	77,000	0	77,000

¹ This table is updated with actual Cyclic Program activity on a monthly basis. Total may not sum due to rounding.