Monterey Peninsula TER Management District





# Public Hearing Item 14

Receive and Confirm Water Supply Forecast for May 1, 2023 through September 30, 2024 Period

Meeting Date: May 15, 2023 Contact: David J. Stoldt

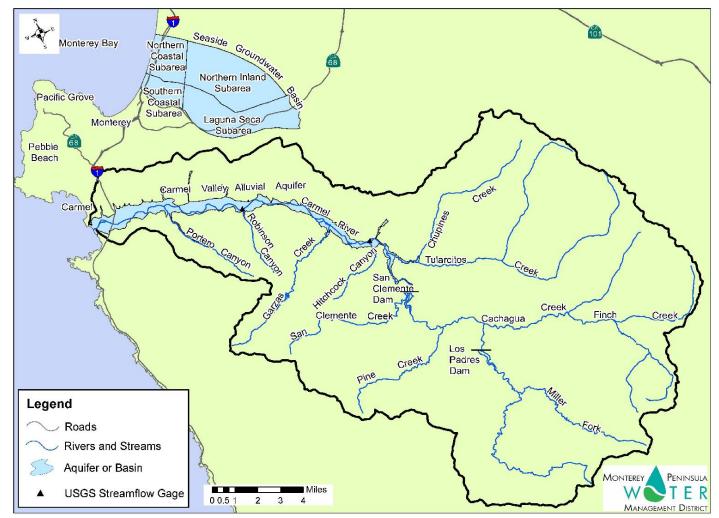


This forecast applies to current and projected water supply and demand conditions in the Monterey Peninsula Water Resource System.

This system includes surface water in the Carmel River and its tributaries and groundwater in the Carmel Valley Alluvial Aquifer and Seaside Groundwater Basin.



#### **Monterey Peninsula Water Resource System**





This forecast considers California American Water (Cal-Am) and non Cal-Am water demands from these sources during the May 2023 through September 2024 period.

This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2023, which is termed "carryover" storage.



# Notes:

- This *Water Supply Forecast* is based on actual water storage conditions and does not account for other environmental considerations such as riparian and aquatic resources or supplies from water resource projects.
- The rationing trigger for this *Water Supply Forecast* has been adjusted to reflect the appropriate reductions in pumping from the Carmel River and Seaside Groundwater Basins and assumes water resources project operations continue.



### Carryover Storage as of May 1, 2023

STORAGE FACILITY	MAXIMUM STORAGE CAPACITY (AF)	CURRENT STORAGE (AF)	PERCENT OF MAXIMUM CAPACITY (%)
RESERVOIR			
LOS PADRES	1,670	1,670	100%
AQUIFERS			
UPPER CARMEL VALLEY	6,530	6,250	96%
LOWER CARMEL VALLEY	21,930	20,030	91%
SEASIDE COASTAL	3,000	<u>2,140</u>	71%
TOTAL SYSTEM	33,130	30,090	91%

Notes:

1. Storage estimates refer to usable storage or water that can be diverted or pumped.

2. "AF" refers to acre-feet. One acre-foot equals 325,851 gallons.



Physical Storage Target for the Monterey Peninsula Water Resource System for the May-September 2023 and all WY 2024

All Values in Acre-Feet

PRODUCER	MAY-SEPTEMBER DEMAND	CARRYOVER STORAGE NEEDS FOR NEXT YEAR DEMAND FROM MPWRS	TOTAL STORAGE REQUIRED ON MAY 1
California American Water (Cal-Am)	2,247	4,850	7,097
Non Cal-Am	1,946	3,046	4,992
Total	4,193	7,896	12,089
			TOTAL STORAGE AVAILABLE ON MAY 1
			32,090



Total usable system storage as of May 1, 2023 is 32,090 acre-feet.

- To avoid mandatory water rationing,
  **12,089** acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2024 with a full year's supply in reserve.



# **Recommendation:**

- Receive the Long-Term Water Supply Forecast for the Monterey Peninsula Water Resource System for the May 2023 through September 2024 period.
- Given current carryover storage, mandatory water rationing is not required under District rules at this time.
- MPWMD shall continue implementation of its water conservation provisions currently in place.



MPWMD Special and Regular Board Meeting Monday, May 15, 2023 Public Hearing Item No. 14 Distributed to the MPWMD Board of Director's, General Manager and District Counsel