



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

Long-Term Water Supply Forecast: May 2023 – September 2024

- 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



Long-Term Water Supply Forecast: May 2023 – September 2024

- 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.

Long-Term Water Supply Forecast: May 2023 – September 2024

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.

Long-Term Water Supply Forecast: May 2023 – September 2024

Carryover Storage as of May 1, 2023

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

Notes:

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

Long-Term Water Supply Forecast: May 2023 – September 2024

- 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.

Long-Term Water Supply Forecast: May 2023 – September 2024

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.

A wide-angle photograph of ocean waves breaking on a sandy beach, with a hazy coastline in the background.

MPWMD Special and Regular Board Meeting

Monday, May 15, 2023

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A vertical photograph of a river flowing over rocks, creating a small waterfall. The water is clear and surrounded by lush green vegetation.

Distributed to the MPWMD Board of
Director's, General Manager and District
Counsel