



## Public Hearing Item 17

Receive and Confirm Water Supply Forecast for May 1, 2024 through September 30, 2025 Period

Meeting Date: April 20, 2024

Contact: David J. Stoldt

# Long-Term Water Supply Forecast: May 2024 – September 2025

- 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 2024 – September 2025

- This forecast considers California American Water (Cal-Am) and non Cal-Am water demands from these sources during the May 2024 through September 2025 period.
- This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2024, which is termed “carryover” storage.

# Long-Term Water Supply Forecast: May 2024 – September 2025

## 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 2024 – September 2025

## Carryover Storage as of May 1, 2024

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	6,240	96%
LOWER CARMEL VALLEY	21,930	20,820	95%
SEASIDE COASTAL	<u>3,000</u>	<u>1,657</u>	55%
TOTAL SYSTEM	33,130	30,387	92%

# Physical Storage Target

## for the Monterey Peninsula Water Resource System

### for the May-September 2024 and all WY 2025

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)	2,874	4,850	7,724
Non Cal-Am	1,946	3,046	4,992
<b>Total</b>	4,193	7,896	<b>12,089</b>
			<b>TOTAL STORAGE AVAILABLE ON MAY 1</b>
			<b>30,387</b>

# Long-Term Water Supply Forecast: May 2024 – September 2025

- Total usable system storage as of May 1, 2024 is **30,387** 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 2024 – September 2025

## Recommendation:

- Receive the *Long-Term Water Supply Forecast for the Monterey Peninsula Water Resource System* for the May 2024 through September 2025 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.