Monterey Peninsula TER Management District





Public Hearing Item 15

Receive and Confirm Water Supply Forecast for May 1, 2022 through September 30, 2023 Period

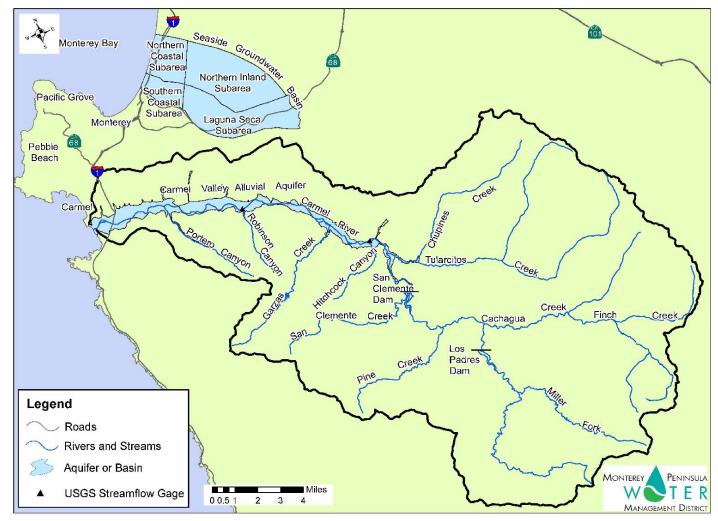
Meeting Date: May 16, 2022 Contact: David J. Stoldt



- 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 2022 through September 2023 period.

This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2022, 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, 2022

STORAGE FACILITY	MAXIMUM STORAGE CAPACITY (AF)	·	PERCENT OF MAXIMUM CAPACITY (%)
RESERVOIR			
LOS PADRES	1,670	1,670	100%
AQUIFERS			
UPPER CARMEL VALLEY LOWER CARMEL	6,530	6,140	94%
VALLEY	21,930	19,900	91%
SEASIDE COASTAL	3,000	<u>1,450</u>	48%
TOTAL SYSTEM	33,130	29,160	88%



Physical Storage Target for the Monterey Peninsula Water Resource System for the May-September 2022 and all WY 2023

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	2 740	4 950	9 560
(Cal-Am)	3,710	4,850	8,560
Non Cal-Am	1,946	3,046	4,992
Total	5,656	7,896	13,552
			TOTAL STORAGE AVAILABLE ON MAY 1
			29,160



- Total usable system storage as of May 1, 2022 is 29,160 acre-feet.
- To avoid mandatory water rationing,
 13,552 acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2023 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 2022 through September 2023 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.