







Public Hearing Item 10

Receive and Confirm Water Supply Forecast for May 1, 2020 through September 30, 2021 Period

Meeting Date: May 18, 2020

Contact: David J. Stoldt

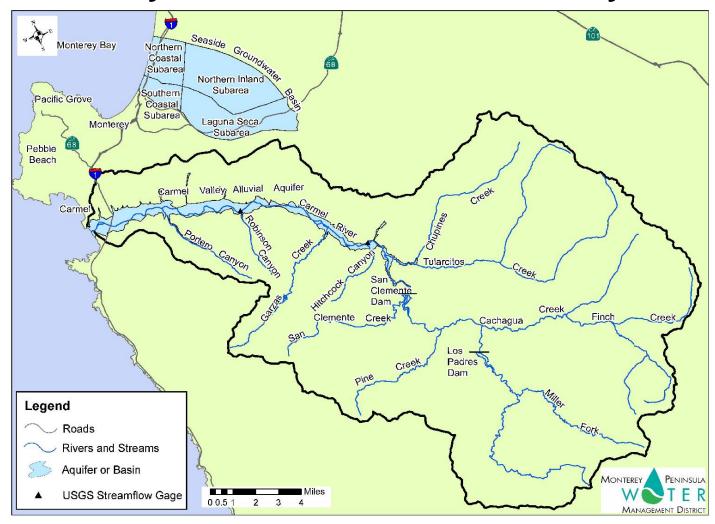




- This forecast applies to current and projected water supply and demand conditions in the *Monterey Peninsula Water Resource System*.
- This system includes surface water in the Carmel River and its tributaries and groundwater in the Carmel Valley Alluvial Aquifer and Seaside Groundwater Basin.



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 2020 through September 2021 period.
- This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2020, 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.
- 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.





Carryover Storage as of May 1, 2020

STORAGE FACILITY	MAXIMUM STORAGE CAPACITY (AF)	CURRENT STORAGE (AF)	PERCENT OF MAXIMUM CAPACITY (%)
RESERVOIR			
LOS PADRES	1,670	1,670	100%
<u>AQUIFERS</u>			
UPPER CARMEL VALLEY	6,530	6,240	96%
LOWER CARMEL VALLEY	21,930	20,390	93%
SEASIDE COASTAL	3,000	<u>1,421</u>	47%
TOTAL SYSTEM	33,130	29,721	90%



Physical Storage Target for the Monterey Peninsula Water Resource System for the May-September 2020 and all WY 2021



All Values in Acre-Feet

PRODUCER	MAY- SEPTEMBER DEMAND	CARRYOVER STORAGE NEEDS FOR NEXT YEAR DEMAND	TOTAL STORAGE REQUIRED ON MAY 1
California American Water (Cal-Am)	4,680	9,784	14,464
Non Cal-Am	1,946	3,046	4,992
Total	6,626	12,830	19,456
			TOTAL STORAGE AVAILABLE ON MAY 1
			29,720





- Total usable system storage as of May 1, 2020 is **29,720** acre-feet.
- To avoid mandatory water rationing, 19,456 acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2021 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 2020 through September 2021 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.