







## Action Item 23

Receive and Confirm Water Supply Forecast for May 1, 2019 through September 30, 2020 Period

Meeting Date: May 20, 2019

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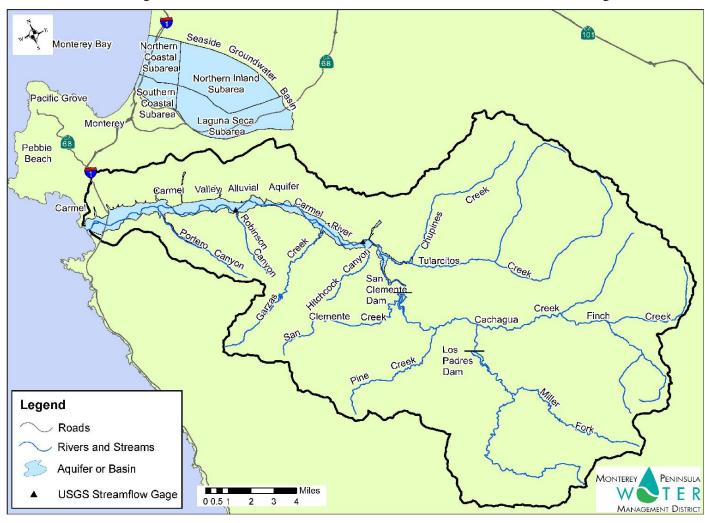




- This forecast applies to current and projected water supply and demand conditions in the Monterey Peninsula Water Resource System.
- This system includes surface water in the Carmel River and its tributaries and groundwater in the Carmel Valley Alluvial Aquifer and Seaside Groundwater Basin.



### 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 2019 through September 2020 period.
- This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2019, 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, 2019

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	6,470	99%
LOWER CARMEL VALLEY	21,930	21,080	96%
SEASIDE COASTAL	<u>7,510</u>	<u>2,760</u>	37%
TOTAL SYSTEM	37,640	31,980	85%



### Physical Storage Target for the Monterey Peninsula Water Resource System for the May-September 2019 and all WY 2020



### 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)	4,535	10,130	14,665
Non Cal-Am	1,946	3,046	4,992
Total	6,398	13,176	19,657
			TOTAL STORAGE AVAILABLE ON MAY 1
			31,980





- Total usable system storage as of May 1, 2019 is **31,980** acre-feet.
- To avoid mandatory water rationing, 19,657 acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2020 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 2019 through September 2020 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.