



Action Item 17

Receive and Confirm Water Supply
Forecast for May 1, 2018 through
September 30, 2019 Period

Meeting Date: May 21, 2018

Contact: David J. Stoldt

Long-Term Water Supply Forecast: May 2018 – September 2019


- 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.

Long-Term Water Supply Forecast: May 2018 – September 2019

Monterey Peninsula Water Resource System



Long-Term Water Supply Forecast: May 2018 – September 2019

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- This forecast considers California American Water (Cal-Am) and non Cal-Am water demands from these sources during the May 2018 through September 2019 period.
 - This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2018, which is termed “carryover” storage.

Long-Term Water Supply Forecast: May 2018 – September 2019

Carryover Storage as of May 1, 2018

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	6,270	96%
LOWER CARMEL VALLEY	21,930	20,400	93%
SEASIDE COASTAL	<u>7,510</u>	<u>2,430</u>	32%
TOTAL SYSTEM	37,640	30,770	82%


Physical Storage Target

for the Monterey Peninsula Water Resource System

for the May-September 2018 and all WY 2019

PRODUCER	MAY- SEPTEMBER DEMAND	CARRYOVER STORAGE NEEDS FOR NEXT YEAR DEMAND	TOTAL STORAGE REQUIRED ON MAY 1
California American Water (Cal-Am)	4,452	10,130	14,582
Non Cal-Am	1,946	3,046	4,992
Total	6,398	13,176	19,574

Long-Term Water Supply Forecast: May 2018 – September 2019

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- Total usable system storage as of May 1, 2018 is **30,770** acre-feet.
 - To avoid mandatory water rationing, **19,574** acre-feet of carryover storage is required.
 - Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2019 with a full year's supply in reserve.

Long-Term Water Supply Forecast: May 2018 – September 2019

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.

Long-Term Water Supply Forecast: May 2018 – September 2019

Recommendation:

- Receive the *Long-Term Water Supply Forecast for the Monterey Peninsula Water Resource System* for the May 2018 through September 2019 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.