



Public Hearing Item 11

Receive and Confirm Water Supply Forecast for May 1, 2021 through September 30, 2022 Period

Meeting Date: May 17, 2021

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Long-Term Water Supply Forecast: May 2021 – September 2022

- 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 2021 – September 2022

- This forecast considers California American Water (Cal-Am) and non Cal-Am water demands from these sources during the May 2021 through September 2022 period.
- This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2021, which is termed “carryover” storage.

Long-Term Water Supply Forecast: May 2021 – September 2022

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 2021 – September 2022

Carryover Storage as of May 1, 2021

STORAGE FACILITY	MAXIMUM STORAGE CAPACITY (AF)	CURRENT STORAGE (AF)	PERCENT OF MAXIMUM CAPACITY (%)
<u>RESERVOIR</u>			
LOS PADRES	1,670	1,650	99%
<u>AQUIFERS</u>			
UPPER CARMEL VALLEY	6,530	6,170	94%
LOWER CARMEL VALLEY	21,930	19,170	87%
SEASIDE COASTAL	<u>3,000</u>	<u>1,390</u>	46%
<u>TOTAL SYSTEM</u>	33,130	28,380	86%

Physical Storage Target

for the Monterey Peninsula Water Resource System

for the May-September 2021 and all WY 2022

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)	3,688	4,850	8,538
Non Cal-Am	1,946	3,046	4,992
Total	5,634	7,896	13,530
			TOTAL STORAGE AVAILABLE ON MAY 1
			28,380

Long-Term Water Supply Forecast: May 2021 – September 2022

- Total usable system storage as of May 1, 2021 is **28,380** acre-feet.
- To avoid mandatory water rationing, **13,530** acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2022 with a full year's supply in reserve.

Long-Term Water Supply Forecast: May 2021 – September 2022

Recommendation:

- Receive the *Long-Term Water Supply Forecast for the Monterey Peninsula Water Resource System* for the May 2021 through September 2022 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.