



## Public Hearing Item 15

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

Meeting Date: May 16, 2022

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# Long-Term Water Supply Forecast: May 2022 – September 2023

- 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



# Long-Term Water Supply Forecast: May 2022 – September 2023

- 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.

# Long-Term Water Supply Forecast: May 2022 – September 2023

## 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 2022 – September 2023

## Carryover Storage as of May 1, 2022

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	6,140	94%
LOWER CARMEL VALLEY	21,930	19,900	91%
SEASIDE COASTAL	<u>3,000</u>	<u>1,450</u>	48%
<b>TOTAL SYSTEM</b>	<b>33,130</b>	<b>29,160</b>	<b>88%</b>

# 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 (Cal-Am)	3,710	4,850	8,560
Non Cal-Am	1,946	3,046	4,992
<b>Total</b>	<b>5,656</b>	<b>7,896</b>	<b>13,552</b>
			<b>TOTAL STORAGE AVAILABLE ON MAY 1</b>
			<b>29,160</b>

# Long-Term Water Supply Forecast: May 2022 – September 2023

- 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.



# Long-Term Water Supply Forecast: May 2022 – September 2023

## 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.