



Action Item 16

Receive and Confirm Water Supply Forecast for May 1, 2015 through September 30, 2016 Period

Meeting Date: May 18, 2015

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Long-Term Water Supply Forecast: May 2015 – September 2016

- 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 2015 – September 2016

Monterey Peninsula Water Resource System



Long-Term Water Supply Forecast: May 2015 – September 2016

- This forecast considers California American Water (Cal-Am) and non Cal-Am water demands from these sources during the May 2015 through September 2016 period.
- This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2015, which is termed “carryover” storage.

Long-Term Water Supply Forecast: May 2015 – September 2016

Carryover Storage as of May 1, 2015

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	6,110	94%
LOWER CARMEL VALLEY	21,930	20,110	92%
SEASIDE COASTAL	<u>7,510</u>	<u>3,100</u>	41%
TOTAL SYSTEM	37,640	30,990	82%

Long-Term Water Supply Forecast: May 2015 – September 2016

Water Rationing Triggers

**TOTAL USABLE STORAGE
REQUIRED ON MAY 1, 2015**

Water Rationing Stage			
4	5	6	7
15%	20%	35%	50%
System-wide demand reduction imposed if storage is less than amounts shown below			
24,186	19,181	14,023	9,017

Long-Term Water Supply Forecast: May 2015 – September 2016

- Total usable system storage as of May 1, 2015 is **30,990** acre-feet.
- To avoid mandatory water rationing, e.g., Stage 4, **24,186** acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2016 with a full year's supply in reserve.

Long-Term Water Supply Forecast: May 2015 – September 2016

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 triggers for this *Water Supply Forecast* have been adjusted to reflect the appropriate reductions in pumping from the Carmel River and Seaside Groundwater Basins.

Long-Term Water Supply Forecast: May 2015 – September 2016

Recommendation:

- Receive the *Long-Term Water Supply Forecast for the Monterey Peninsula Water Resource System* for the May 2015 through September 2016 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.**