



Action Item 15

Receive and Confirm Water Supply Forecast for May 1, 2012 through September 30, 2013 Period

Meeting Date: May 21, 2012

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Long-Term Water Supply Forecast: May 2012 – September 2013


- 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 2012 – September 2013

Monterey Peninsula Water Resource System



Long-Term Water Supply Forecast: May 2012 – September 2013

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- This forecast considers California American Water (Cal-Am) and non Cal-Am water demands from these sources during the May 2012 through September 2013 period.
 - This forecast is based on all usable surface and groundwater storage in the system as of May 1, 2012, which is termed “carryover” storage.

Long-Term Water Supply Forecast: May 2012 – September 2013

Carryover Storage as of May 1, 2012

	CAPACITY	CURRENT	PERCENT
	(AF)	(AF)	(%)
RESERVOIRS:			
LOS PADRES	1,630	1,630	100%
SAN CLEMENTE	70	70	100%
AQUIFERS:			
UPPER CARMEL VALLEY	6,550	6,330	97%
LOWER CARMEL VALLEY	21,950	20,140	92%
SEASIDE COASTAL	<u>7,500</u>	<u>2,740</u>	37%
TOTAL SYSTEM:	37,700	30,910	82%

Long-Term Water Supply Forecast: May 2012 – September 2013

Water Rationing Triggers

TOTAL USABLE STORAGE REQUIRED ON MAY 1, 2012			
Water Rationing Stage			
4	5	6	7
15%	20%	35%	50%
System-wide water demand reduction required if storage is less than amount shown below			
24,665	19,369	13,913	8,616

Long-Term Water Supply Forecast: May 2012 – September 2013

- Total usable system storage as of May 1, 2012 is **30,910** acre-feet.
- To avoid mandatory water rationing, e.g., Stage 4, **24,665** acre-feet of carryover storage is required.
- Accordingly, the current amount of carryover storage is sufficient to begin Water Year 2013 with a full year's supply in reserve.

Long-Term Water Supply Forecast: May 2012 – September 2013

Notes:

- This *Water Supply Forecast* is based on 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 recent reductions in pumping from the Carmel River and Seaside Groundwater Basins.

Long-Term Water Supply Forecast: May 2012 – September 2013

Recommendation:

- Receive the *Long-Term Water Supply Forecast for the Monterey Peninsula Water Resource System* for the May 2012 through September 2013 period.
- Given current carryover storage, mandatory water rationing is not required under District rules at this time.
- **Continued voluntary water conservation is strongly encouraged.**