

WHOLESALE SUPPLY INFORMATION – MWDOC

State Water Resource Control Board Emergency Regulations

On May 9, 2016, Governor Brown issued Executive Order B-37-16 “Making Water Conservation a Way of Life” that extends the Emergency Regulation to January 31, 2017. In response to this Executive Order, on May 18 the State Water Resources Control Board (State Board) adopted a localized self-certification approach that replaces the prior state imposed mandatory conservation standard, which ranged from 8% to 36% for each retail agency. This new approach mandates each retail agency to conduct a “stress test,” certifying whether they have sufficient available potable supplies for a three-year period under high demand and low precipitation conditions to meet the needs of their customers. As part of this self-certification process, the State Board emergency regulations requires urban water wholesale agencies (i.e. Metropolitan Water District of Southern California and MWDOC) to publicly disclose the amount of regional water supplies they expect to deliver to retail water suppliers for each year over the three-year period. This posting provides the required wholesale information from MWDOC for our 28 member agencies.

Wholesale Requirements

MWDOC is a third-largest member agency of the Metropolitan Water District of Southern California (Metropolitan) and the largest purchaser of treated drinking water. MWDOC provides and manages imported water supplies used in Orange County, with the exception of the cities of Anaheim, Fullerton, and Santa Ana. As the wholesale agency for 28 cities and water agencies within Orange County, MWDOC is required by the State Board to assist our retail agencies meet the State Board’s self-certification process by providing data and information on the imported water supplies that we project to deliver to them.

“While water supplies have improved over the last year and we can meet our service area’s imported demands over the next three years, we do not know what the next winter will bring. We need to be cautious in our water use and continue to be efficient.”

*Robert Hunter
General Manager, MWDOC*

To determine MWDOC’s expected imported supply need over the next three years, MWDOC coordinated with each retail agency in assessing their local and imported supply needs for the stress test period. These estimates were prepared in coordination with both our retail member agencies (e.g. urban water suppliers) and Metropolitan. Additional wholesale information required by many of our member agencies for the groundwater supply is being provided by Orange County Water District (OCWD).

Below is a summary of the total imported supplies requested by MWDOC’s 28 member agencies over the next three years as part of this process:

Revised^[1]

MWDOC’s Imported Supply Request	2017 (2013 hydrology)	2018 (2014 hydrology)	2019 (2015 hydrology)
Total Retail Agency	177,130 AF	177,130 AF	177,130 AF
Groundwater Recharge	49,750 AF	49,750 AF	49,750 AF
MWDOC Imported Supplies – TOTAL	226,880 AF	226,880 AF	226,880 AF

^[1] MWDOC’s Imported Water Supply Request was revised on June 21, 2016 due to changes in retail agency supply requests.

The “groundwater recharge” represents Orange County Water District’s request for imported water supplies to recharge/replenish its groundwater basin to manage its expected groundwater production over the next three years.

The stress test emergency regulation requires that the wholesaler information identify each source of water and the amount of water expected to be delivered to each of the urban potable water retailers for the water years 2017, 2018 and 2019. The required assumptions include using:

- The same hydrologic conditions of Water Year (WY) 2013 occur in WY 2017
- The same hydrologic conditions of WY 2014 occur in WY 2018
- The same hydrologic conditions of WY 2015 occur in WY 2019

Source of Imported Supplies

MWDOC purchases imported supplies and groundwater recharge for our retail agencies exclusively from Metropolitan. Metropolitan utilizes its supplies to meet its 26 member agencies' imported water needs from three key sources: State Water Project, Colorado River Aqueduct, and storage. Below is a brief description of these sources and [assumptions](#) used to demonstrate their availability of supplies.

State Water Project Supplies

Metropolitan assumes receiving the same State Water Project (SWP) “Table A” supplies as the hydrologic conditions of water years 2013, 2014, and 2015 for the next three years. Providing a SWP Allocation of 35% for 2017, 5% for 2018, and 20% for 2019.



Colorado River Aqueduct Supplies

Metropolitan assumes receiving a Colorado River Aqueduct Base Supply similar to the hydrologic conditions of water years 2013, 2014, and 2015 over the next three years. This provides Metropolitan with its Colorado River basic apportionment, Imperial Irrigation District’s Conservation Program, Palo Verde Irrigation District’s land management program and San Luis Rey’s Canal Lining supply project, as well as its transfer obligation to Coachella Valley Water District.



Metropolitan Storage Supplies

Due to the limited supplies under the Water Years of 2013, 2014, and 2015. Metropolitan utilized its water storage supplies to meet projected imported demands over the three-year period. Metropolitan will start 2017 with over 2.12 million acre feet (AF) in total storage and expect to end with roughly 657,000 AF at the end of 2019. Metropolitan has a diverse water storage portfolio ranging from groundwater storage in the Central Valley of California to surface storage along the Colorado River in Lake Mead (Intentionally Created Surplus – ICS). For further details on Metropolitan's sources of supplies and its supply-estimation methodology, [click here](#).



MWDOC Imported Supply Projections

MWDOC projections for Member Agency imported water supply for the three projected years:

Revised^[1]

MWDOC Member Agency Imported Water Supplies	2017 (2013 hydrology)	2018 (2014 hydrology)	2019 (2015 hydrology)
City of Brea	3,382 AF	3,382 AF	3,382 AF
City of Buena Park	4,488 AF	4,488 AF	4,488 AF
East Orange County Water District ^[2] - Retail Zone	310 AF	310 AF	310 AF
East Orange County Water District ^[2] - Wholesale Zone	3,819 AF	3,819 AF	3,819 AF
El Toro Water District	9,495 AF	9,495 AF	9,495 AF
City of Fountain Valley	3,028 AF	3,028 AF	3,028 AF
City of Garden Grove	7,772 AF	7,772 AF	7,772 AF
Golden State Water Company	6,217 AF	6,217 AF	6,217 AF
City of Huntington Beach	9,092 AF	9,092 AF	9,092 AF
Irvine Ranch Water District	15,529 AF	15,529 AF	15,529 AF
Laguna Beach County Water District	1,813 AF	1,813 AF	1,813 AF
City of La Habra	500 AF	500 AF	500 AF
City of La Palma	642 AF	642 AF	642 AF
Mesa Water District	0 AF	0 AF	0 AF
Moulton Niguel Water District	28,771 AF	28,771 AF	28,771 AF
City of Newport Beach	4,968 AF	4,968 AF	4,968 AF
City of Orange	9,379 AF	9,379 AF	9,379 AF
Orange County Water District	49,750 AF	49,750 AF	49,750 AF
City of San Clemente	9,532 AF	9,532 AF	9,532 AF
City of San Juan Capistrano	6,910 AF	6,910 AF	6,910 AF
Santa Margarita Water District	28,726 AF	28,726 AF	28,726 AF
City of Seal Beach	1,138 AF	1,138 AF	1,138 AF
Serrano Water District	489 AF	489 AF	489 AF
South Coast Water District	6,659 AF	6,659 AF	6,659 AF
Trabuco Canyon Water District	3,081 AF	3,081 AF	3,081 AF
City of Westminster	3,720 AF	3,720 AF	3,720 AF
Yorba Linda Water District	7,672 AF	7,672 AF	7,672 AF
MWDOC Total	226,880 AF	226,880 AF	226,880 AF

^[1] MWDOC Member Agency Imported Water Supply projections were revised on June 21, 2016 due to changes in retail agency supply requests.

^[2] East Orange County Water District is both a retailer and wholesaler. They wholesale imported water to portions of the City of Orange, portions of Golden State Water Company – Cowan Heights, portions of Irvine Ranch Water District – Orange Park Acres, and the entire service area of the City of Tustin's Water Department.

Although MWDOC can meet the imported needs of its member agencies, the need to conserve remains. Southern California is still in a drought. Local precipitation has reach its fifth consecutive year below average; and local groundwater as well as local surface water reservoirs are still at historic lows.

Based on these conditions, the [MWDOC Board on June 15, 2016 adopted a resolution declaring a “Condition 2 – Water Supply Alert”](#), as part of MWDOC’s Water Shortage Contingency Plan, which calls for the continued implementation of extraordinary conservation measures during the emergency regulations and encourages retail water agencies to amend their water drought ordinances to incorporate the Governor’s new permanent conservation measures.

Furthermore, to continue the significant water savings achieved by Orange County over the past 12 months, and to be cautious for the upcoming water year, the MWDOC Board also called for a **countywide water saving goal of approximately 10% from the average annual demands of calendar years 2013 and 2014.**

