



MEMORANDUM

DATE: AUGUST 4, 2016

TO: WRD GROUNDWATER SUPPLIERS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: AVAILABILITY OF GROUNDWATER SUPPLIES FOR 2017 THROUGH 2019

The Water Replenishment District of Southern California (WRD or District), as groundwater manager for the Central and West Coast Basins, confirms the availability of groundwater for water suppliers within our service area for the three year period of 2017 through 2019 (and beyond) specified in the State Water Resources Control Board's Emergency Regulation (Emergency Regulation) approved in May 2016. As a result of the District's extensive managed aquifer recharge and monitoring programs, plus the extensive nature of the basins, the groundwater supplies in the Central and West Coast Basins are deemed sufficient to meet the anticipated pumping needs for the foreseeable future.

WRD was created in 1959 to replenish the groundwater supplies of the Central and West Coast Basins to supplement natural replenishment and offset the impacts of overdraft. WRD provides artificial replenishment water to basins to ensure that the adjudicated pumping rights of the various public and private entities remain sustainable, even during a drought. Central Basin pumping rights are fixed at 217,367 acre-feet per year and West Coast Basin pumping rights are fixed at 64,468.25 acre-feet per year. Because the basins are adjudicated, uncontrolled and additional pumping does not occur so that the known and allowed pumping can be anticipated and managed.

Approximately 80% of the water that WRD purchases and/or develops for replenishment is locally derived recycled water. The remaining 20% is imported water WRD purchases from the Metropolitan Water District of Southern California and its member agencies. WRD through its Water Independence Now, or WIN, program is aggressively working to develop projects to replace the imported water component used for replenishment with recycled water to increase reliability and be independent from droughts for aquifer recharge. The WIN projects will be completed by 2018. In addition, locally available stormwater is captured by Los Angeles County Flood Control for replenishment when available. Since 1959, WRD and others have added over 10 million acre-feet to the basins and will continue to provide replenishment water as necessary to make up any

pumping overdraft and to keep the basins sustainable, even during drought. The WRD Board of Directors has the authority to purchase replenishment as needed, and therefore even during a drought WRD can purchase imported water from MWD for groundwater replenishment, although the price for that water may be significantly higher.

Even without WRD's managed aquifer recharge operations, the Central and West Coast Basins are vast underground reservoirs containing plentiful fresh groundwater. In fact, the State of California has estimated the Coastal Plain of Los Angeles County, of which the Central Basin and the West Coast Basin are the two principal basins, contains 35 million acre-feet of groundwater in storage of which 29 million acre-feet of this is in the upper 1,200 feet of sediments¹. Historically only 1.1 million acre-feet (3%) of this water has been utilized by pumping, leaving plenty of additional groundwater available at depth if needed. However, this deep stored groundwater would have limits on extractable amounts based on physical and economic conditions, but could be tapped if necessary during extended droughts with active management plans in place to protect the basins from any undesirable results resulting from the deep groundwater extractions.

Because of all of these factors, WRD has determined that the Central and West Coast Basins have ample and sustainable groundwater supplies to meet all of the pumping demands in 2017 through 2019 and the foreseeable future. A listing of the groundwater suppliers within the WRD service area is presented on the following page.

¹ California Department of Water Resources, September 1968, Bulletin No. 104, Planned Utilization of Ground Water Basins: Coastal Plain of Los Angeles County, page 9.

GROUNDWATER SUPPLIERS WITHIN THE WRD SERVICE AREA

Bellflower-Somerset Mutual Water Company
Bellflower City of
Bellflower Home Gardens Water Company
California Water Service Company Dominguez
California Water Service Company East Lost Angeles
California Water Service Company Hermosa/Redondo
California-American Water Company Los Angeles District
Cerritos City of
Commerce City of
Compton City of
Downey City of
El Segundo City of
Golden State Water Company Artesia
Golden State Water Company Bell-Bell Gardens
Golden State Water Company Florence Graham
Golden State Water Company Hollydale
Golden State Water Company Norwalk
Golden State Water Company Southwest
Golden State Water Company Willowbrook
Hawthorne City of
Huntington Park City of
Inglewood City of
La Habra Heights County Water District
Lakewood City of
Liberty Park Water – Bell Gardens
Liberty Park Water – Bellflower-Norwalk
Liberty Park Water – Compton
Liberty Park Water – Lynwood
Lomita City of
Long Beach City of
Los Angeles Department of Water and Power
Lynwood City of
Lynwood Park Mutual Water Company
Manhattan Beach City of
Maywood Mutual Water Company #1
Maywood Mutual Water Company #2
Maywood Mutual Water Company #3
Montebello City of
Montebello Land and Water Company
Norwalk City of
Orchard Dale Water District
Paramount City of
Pico Rivera City of
Pico Water District
San Gabriel Valley Water Company
Santa Fe Springs City of
Signal Hill City of
South Gate City of
South Montebello Irrigation District
Suburban Water Systems Whittier/La Mirada
Torrance City of
Tract 180 Mutual Water Company
Tract 349 Mutual Water Company
Vernon City of
Walnut Park Mutual Water Company
Whittier City of