



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: NOVEMBER 13, 2017

GENERAL MANAGER'S REPORT

ITEM NO: 12

**Riverside Public Utilities
Drought and Conservation Efforts / Groundwater Level Update
As of
September 2017**

Conservation Efforts

For the month of September 2017, Riverside resident's water conservation reached 14%. Cumulatively it is at 15% from June 2016 to September 2017 (Figure 1). This translates to 14,763 Acre-feet (4,811 million gallons) of potable water being conserved.

On a Regional scale, Riverside resident's water consumption; measured in gallons per capita per day (Residential-GPCD) is comparable to the aggregate consumption within the surrounding ten water agencies (Figure 2). RPU's Residential-GPCD moved a little higher than the regional Residential-GPCD in the months of May through September 2017, but it is at the same level regionally since January 2017 with an average of 107.

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Riverside North, and Rialto-Colton basins are continuing to show a long-term, declining trend while groundwater levels in the Riverside South Basin remain stable (Figure 3). Groundwater levels in Bunker Hill and Riverside North basins are approaching their seasonal "low" and are expected to ease their seasonal decline as groundwater production begins to ramp down. The Bunker Hill Basin is about 6.6 feet lower compared to last year while the Riverside North Basin is about 1.2 feet lower compared to last year. The Rialto-Colton basin is 9.7 feet lower compared to last year however this is primarily due to an active production well influencing the water level measurement.

Figure 1: RPU Total Urban Water Production Percent Saving During Mandatory Conservation Starting June 2016 Compared to 2013 Baseline

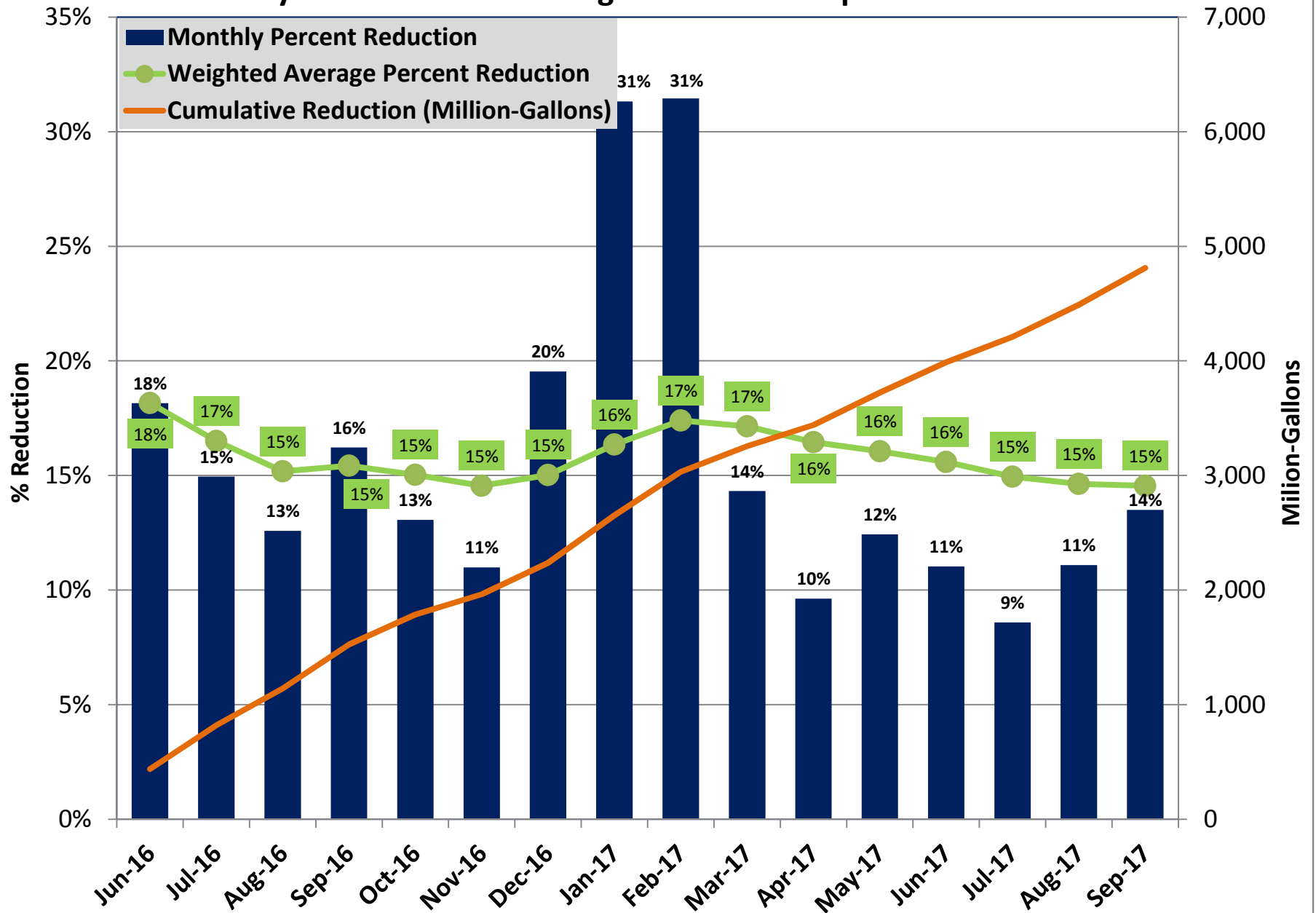
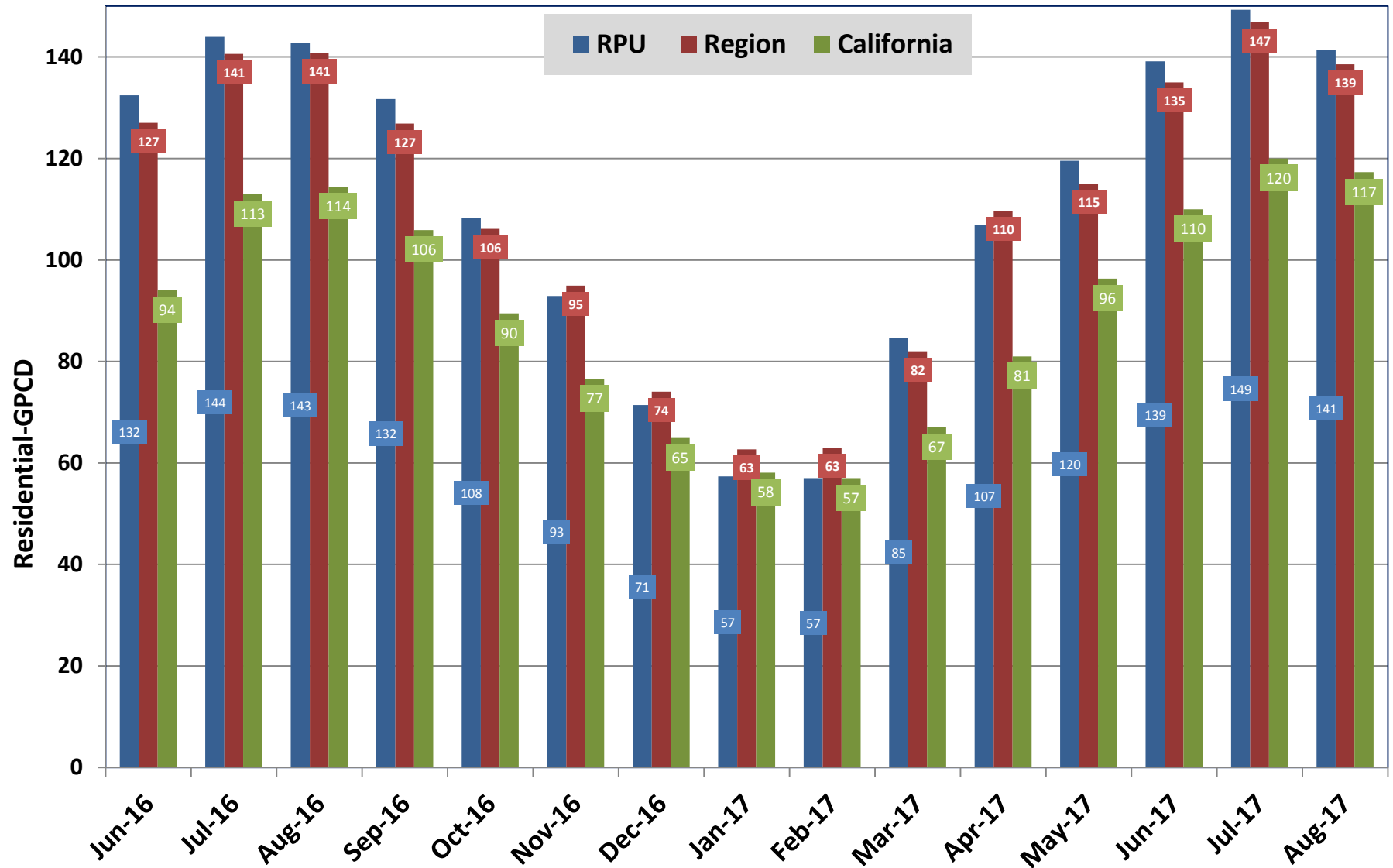


Figure 2: Regional Residential-GPCD Comparison

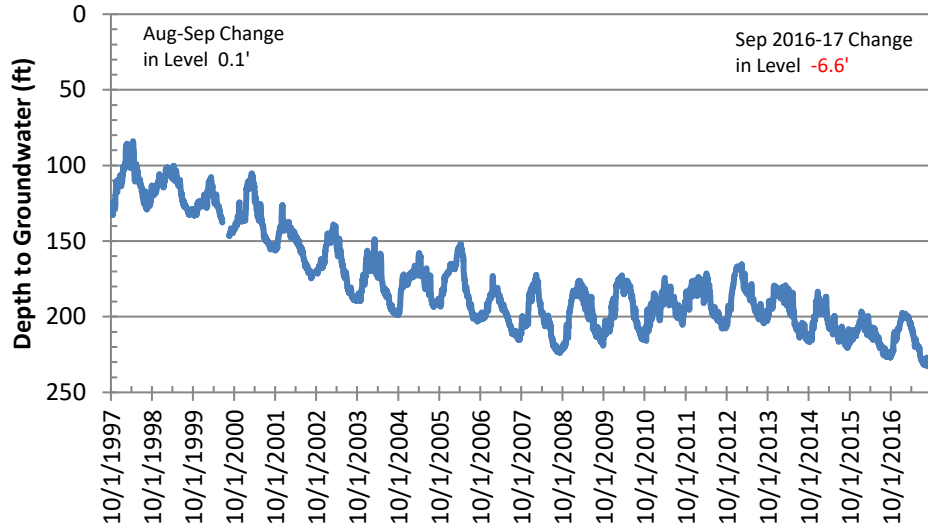


Region Includes: Western Municipal Water District of Riverside, Eastern Municipal Water District, San Bernardino City of, Corona City of, Elsinore Valley Municipal Water District, Lee Lake Water District, East Valley Water District, Norco City of, Jurupa Community Service District, and Riverside Highland Water Company.

Figure 3: Basin Groundwater Levels

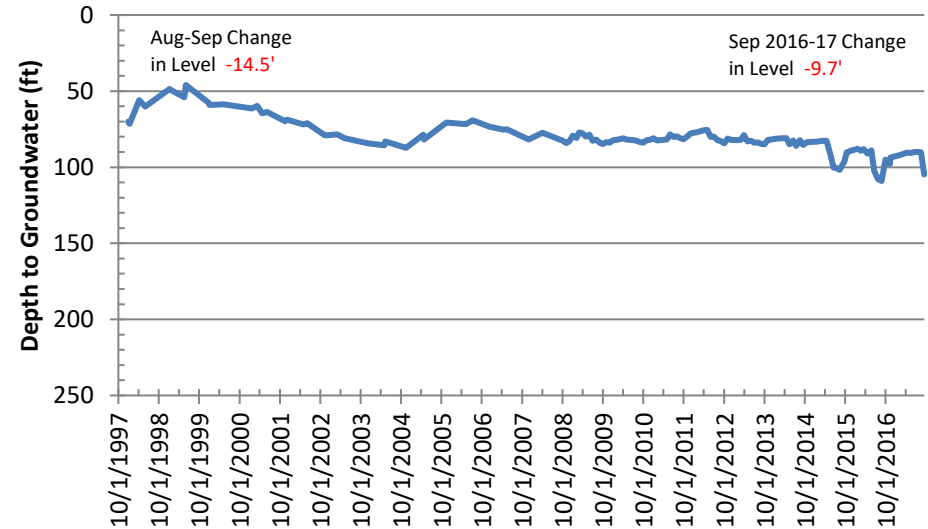
Bunker Hill Basin

Sierra High School (USGS)



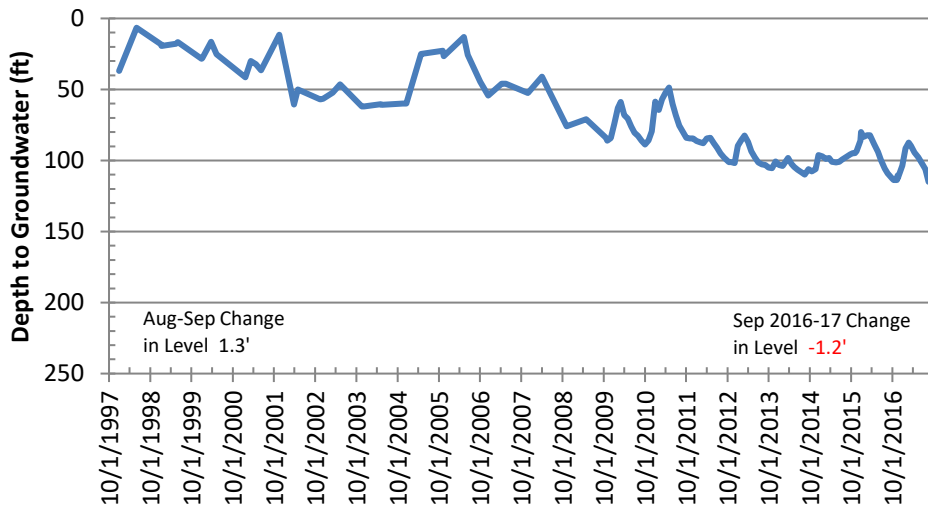
Rialto-Colton Basin

Johnson 1



Riverside North Basin

Flume 5



Riverside South Basin

Cunningham

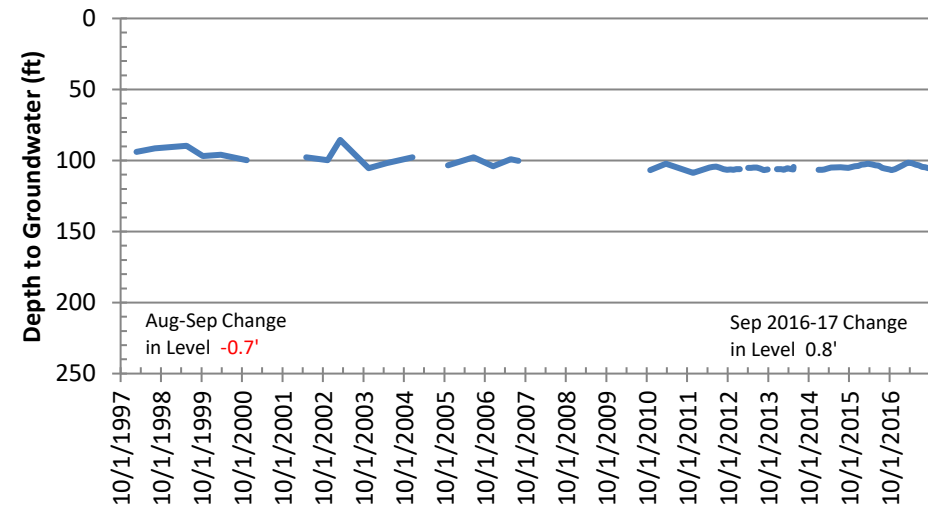


Figure 4: Basin Groundwater Levels

