



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** February 11, 2018

**GENERAL MANAGER'S REPORT**

**ITEM NO:**

### **Summary of Riverside Public Utilities Urban Water Production and Conservation Efforts / Groundwater Level Update As of December 2018**

#### Conservation Efforts

RPU's urban water production in December 2018 was 3,770 AF. This is a decrease of 1,254 AF or a conservation of 25% compared to December of 2017. Weather conditions showed that December of 2018 was cooler by 6.6 degrees from December last year and experienced 1.02 inches of rainfall compared to zero inches from December 2017.

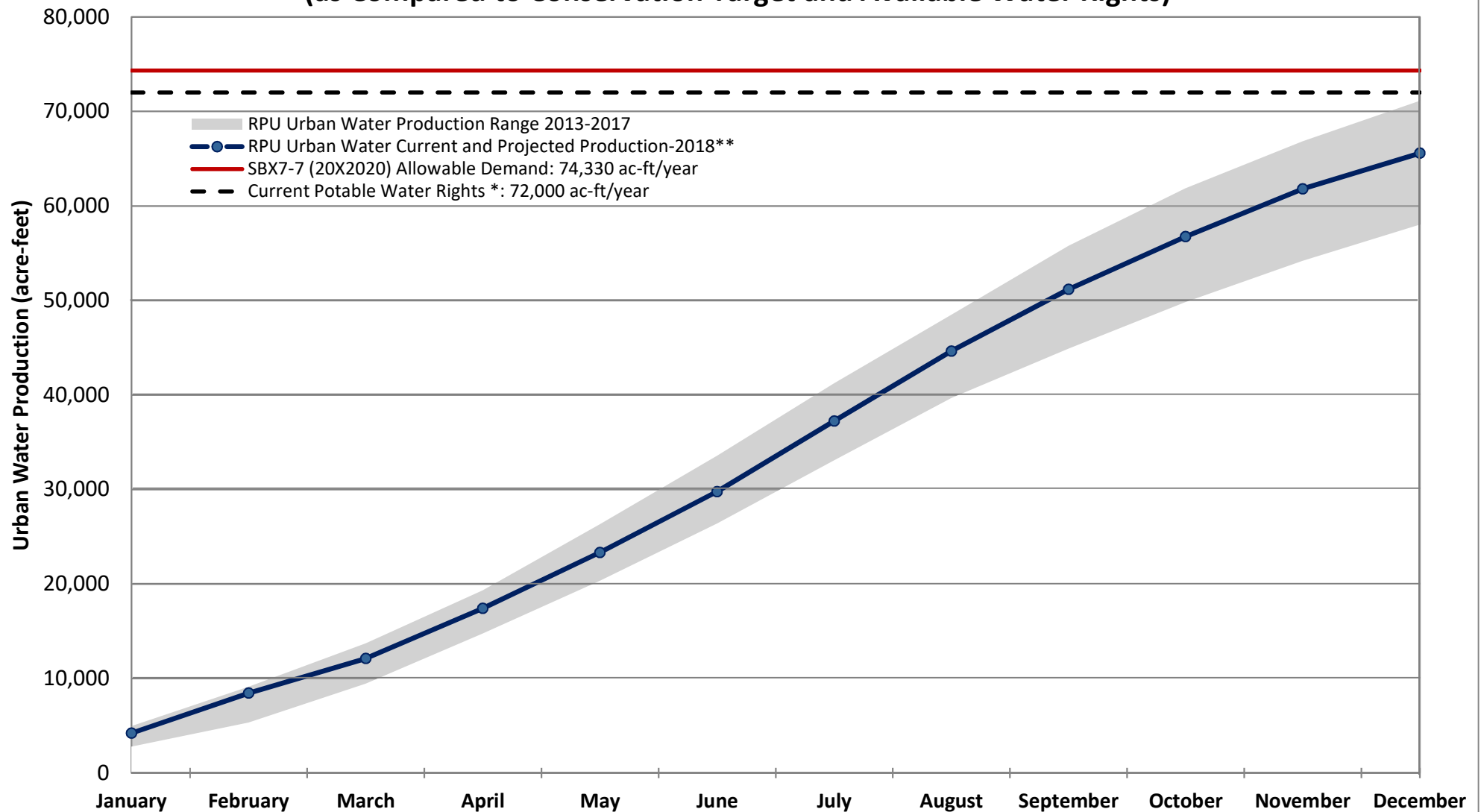
For the 2018 calendar year RPU's urban water production was 65,582 Acre-feet. This increase from last year by almost 1,428 Acre-feet or about 2.2%. Despite this year's increase in urban water production, RPU's production is still within the historical production range from 2013 to 2017 as shown in figure 1. Figure 1 also shows that RPU's urban water production is below the compliance target specified in SB X7-7 (i.e. 20% reduction by 2020) and RPU's current potable water rights.

#### Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins are continuing to show a long-term declining trend, while groundwater levels in the Riverside South Basin remain relatively stable as shown in Figure 2. Water levels in Bunker Hill are approximately 8 feet lower as compared to December of last year. Water levels in the Rialto-Colton and Riverside North basins are 5 feet lower as compared to December of last year. Water levels in the Riverside South Basin are the same as compared to December of last year.

# Figure 1: Annual RPU Urban Water Production

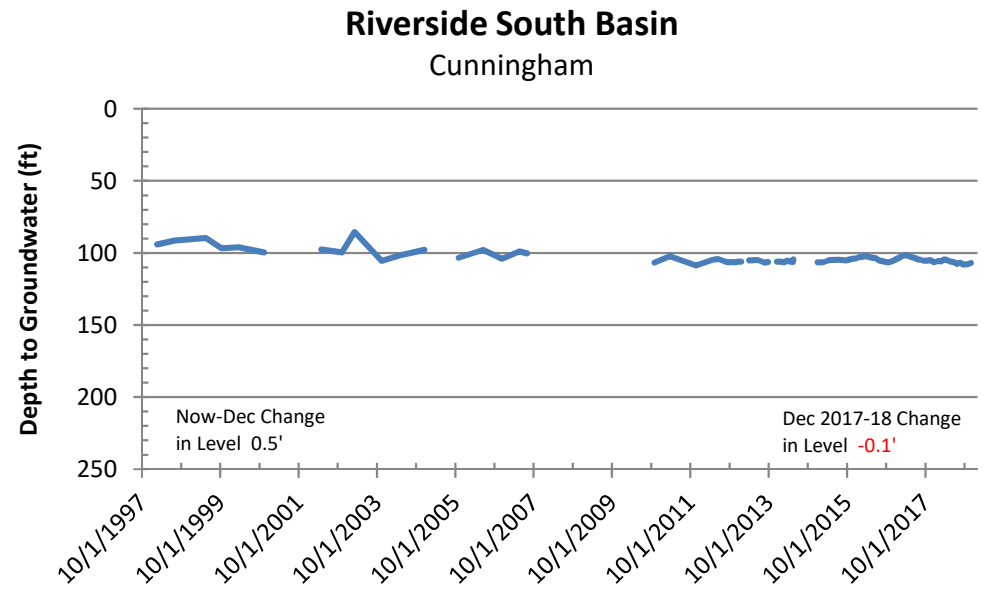
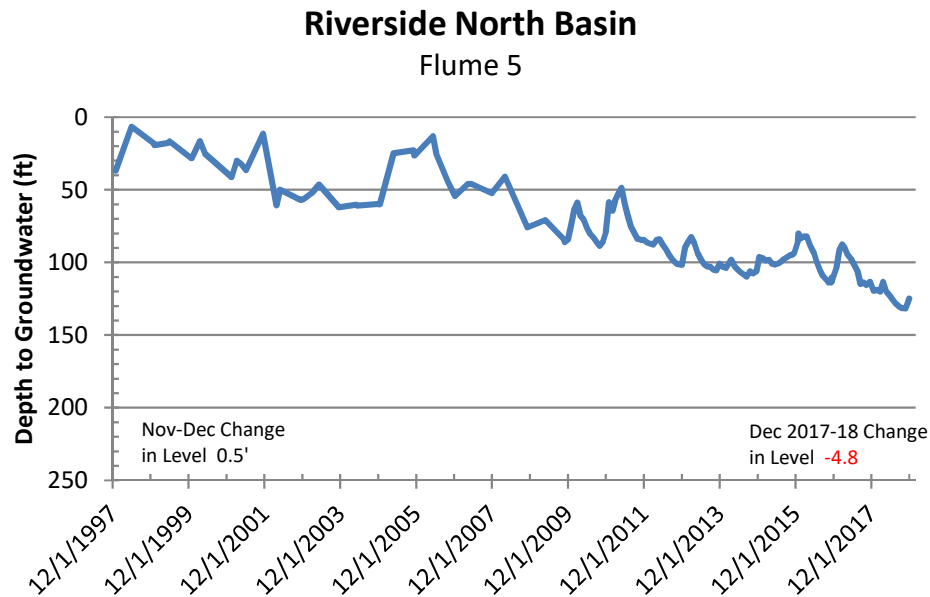
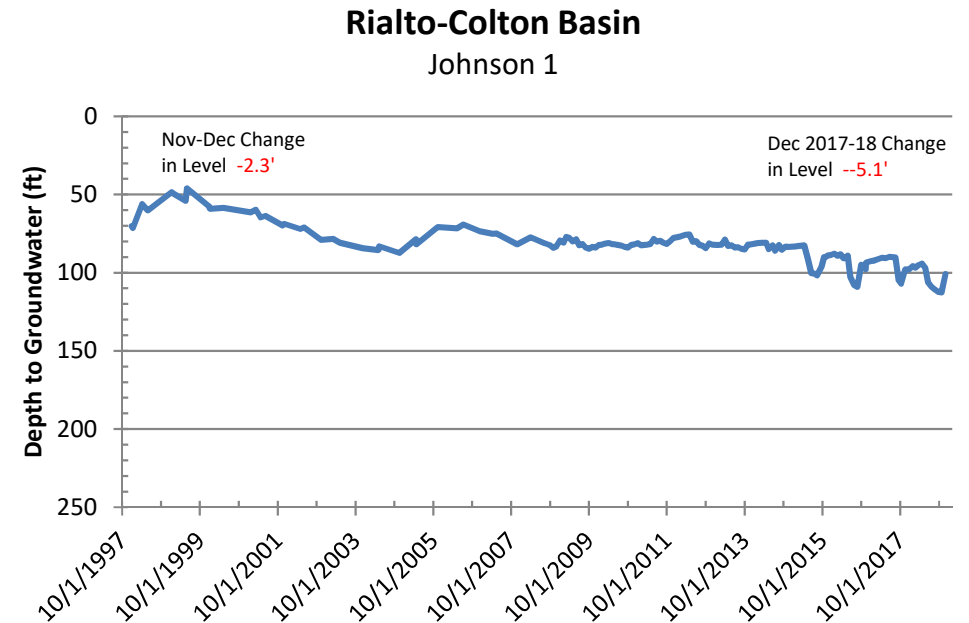
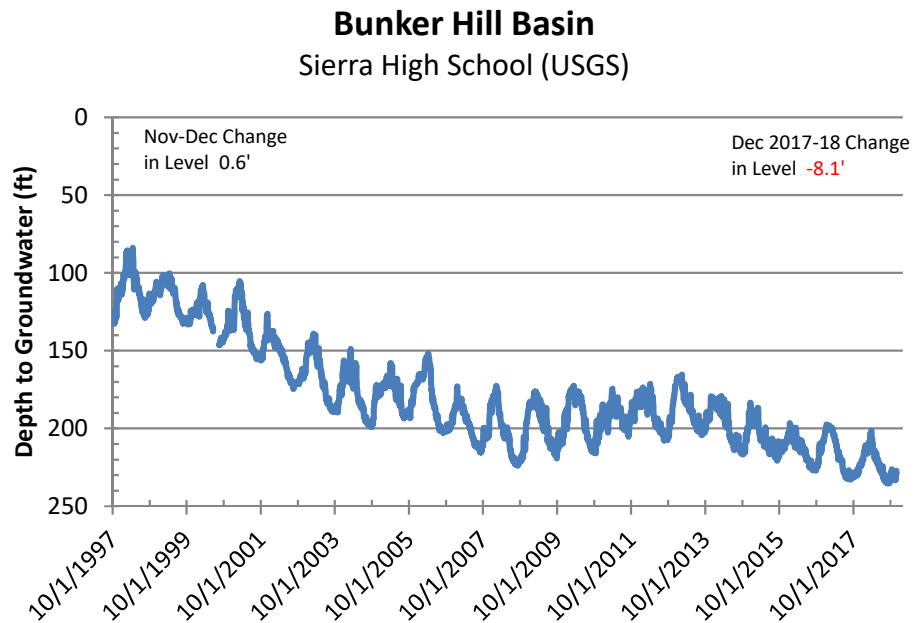
(as Compared to Conservation Target and Available Water Rights)



\* Current Potable Water Right is the total current RPU Production rights minus all non potable obligations ( 85,774 - 12,000(Gage Canal ) - 875(WMWD) - 900(Overlying Uses) = 72,000 ac-ft/year).

\*\* Projections for 2018 are based on current trend of increased consumption. These projections can be affected by the upcoming permanent prohibitions, return of the drought episode, and proposed rate increase.

## Figure 2: Basin Groundwater Levels



# Figure 3: Groundwater Basin Vicinity Map

