



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: January 14, 2018

GENERAL MANAGER'S REPORT

ITEM NO:

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

Conservation Efforts

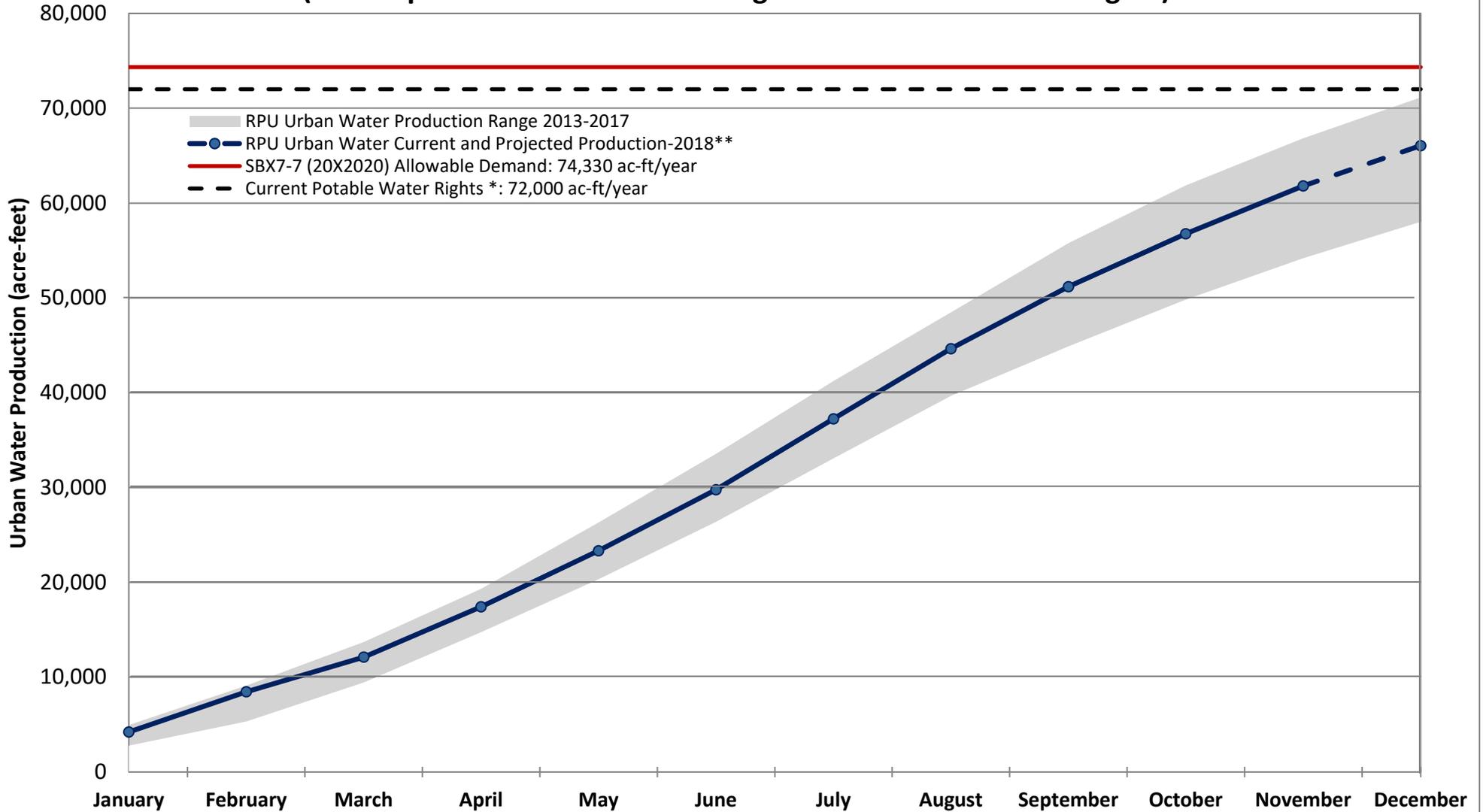
RPU's urban water production in November 2018 was 5,043 AF. This is a decrease from last November by 1 AF with essentially the same consumption as last year. Weather conditions showed November of 2018 was cooler by 2.0 degrees from November last year and experienced 0.84 inches of rainfall compared to 0.03 inches from November 2017. RPU is still within the historical production range from 2013 to 2017 as shown in Figure 1. Figure 1 also shows that RPU's projected annual urban water production in 2018 is 65,900 AF which is below the compliance target specified in SB X7-7 (i.e. 20% reduction by 2020). The projections for the 2018 urban water production is based on current trends of increased consumption and can be affected by the permanent water prohibitions implemented by the State and/or the return of drought conditions. The projected annual urban water production is also below RPU's current potable rights, which potentially can maximize RPU's passive assets by 6,100 AF through wholesale to Western Municipal Water District.

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 4 feet lower as compared to November of last year. Water levels in the Rialto-Colton and Riverside North basins are 3 and 11 feet lower as compared to November of last year, respectively. The Riverside South Basin is approximately 3 feet lower as compared to November of last year.

Figure 1: Annual RPU Urban Water Production

(as Compared to Conservation Target and Available Water Rights)

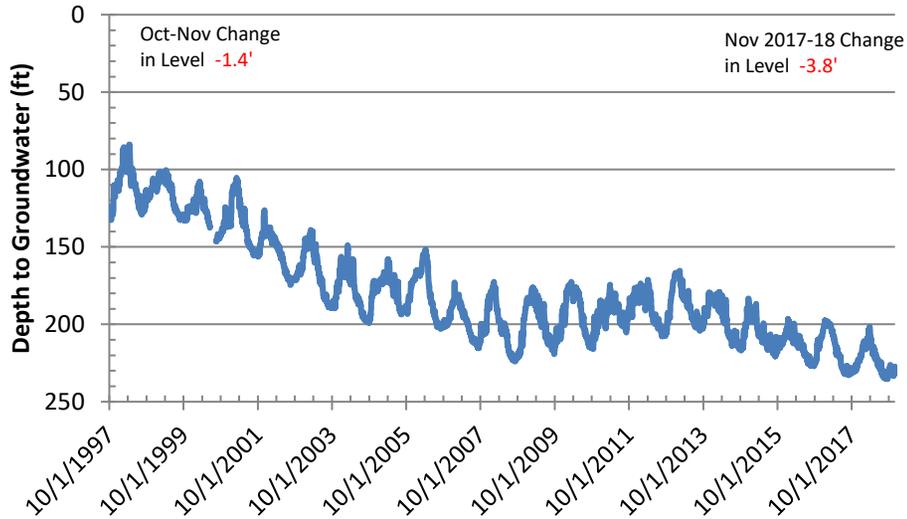


* Current Potable Water Right is the total current RPU Production rights minus all non potable obligations (85,774 - 12,000(Gage Canal) - 875(WMWD) - 900(Overlying Uses) = 72,000 ac-ft/year).

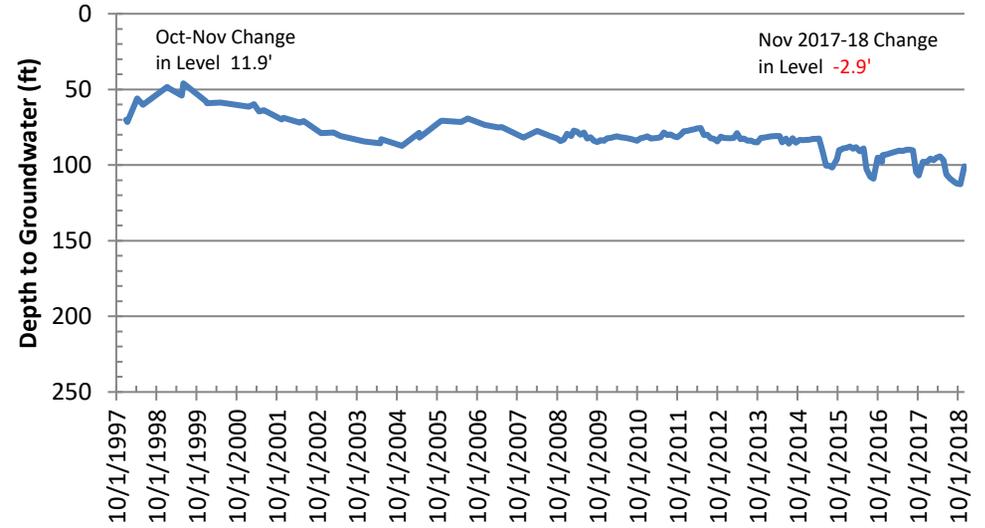
** Projections for 2018 are based on current trend of increased consumption. These projections can be affected by the upcoming permanent prohibitions, return of the drought episode, and proposed rate increase.

Figure 2: Basin Groundwater Levels

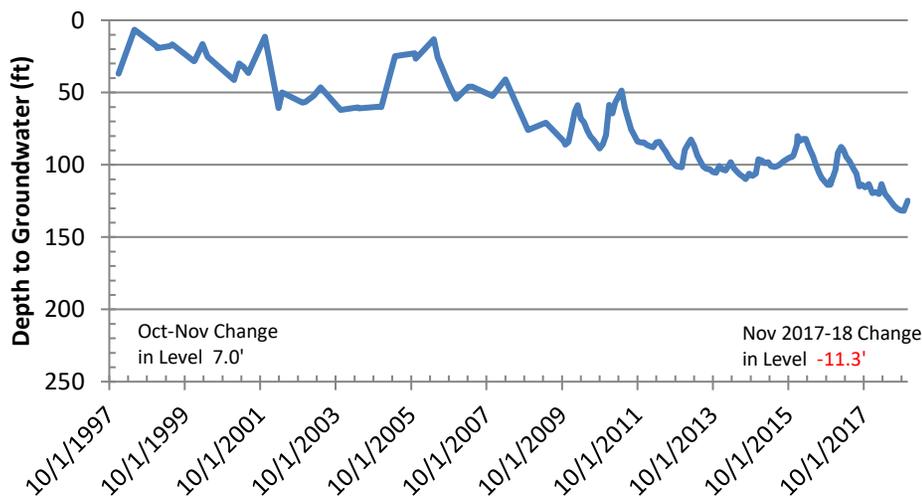
Bunker Hill Basin
Sierra High School (USGS)



Rialto-Colton Basin
Johnson 1



Riverside North Basin
Flume 5



Riverside South Basin
Cunningham

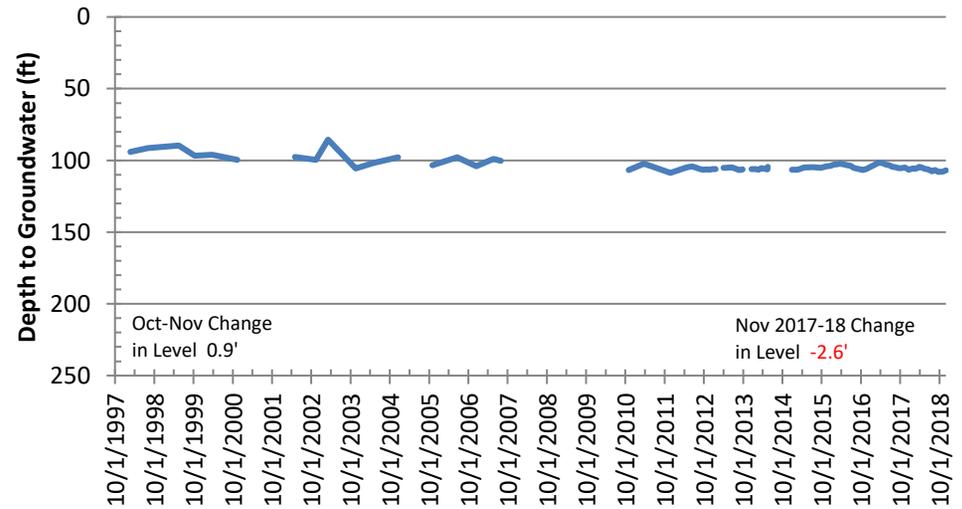


Figure 3: Groundwater Basin Vicinity Map

