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RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES **DATE:** JUNE 11, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 34

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

Conservation Efforts

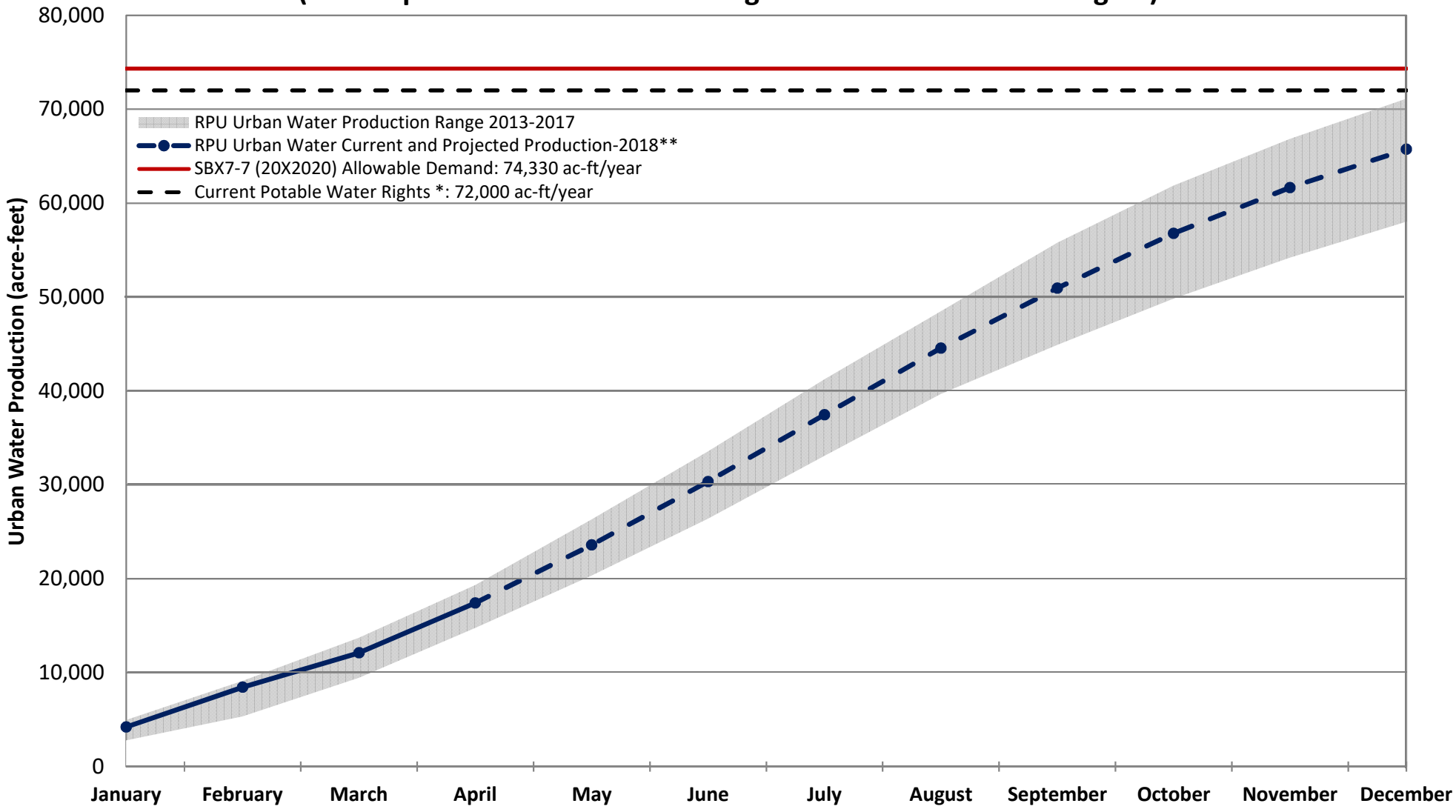
RPU's urban water production in April 2018 was 5,316 AF. This is an increase from last April by 26 Acre-feet or a drop of only 0.5% in conservation. Weather conditions showed similar patterns in rainfall and temperature with only 1 degree warmer last year. RPU is still within the historical production 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 65,800 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 upcoming permanent water prohibitions, the return of the drought, and the proposed rate increase. The projected annual urban water production is also below RPU's current potable rights, which potentially can maximize RPU's passive assets by 6,200 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. Groundwater levels in the Bunker Hill Basin reached their annual spring peak in March and have started their annual summer descent. Water levels in Bunker Hill remain approximately 3 feet lower as compared to April of last year. Water levels in the Rialto-Colton and Riverside North basins are 4 and 26 feet lower as compared to April of last year, respectively. One of the likely reasons for the large April difference in the Riverside North basin is due to the lack of rainfall and replenishing storm flows. By this time last year, the Riverside area had received approximately 12.2 inches of rain, while this water year; the Riverside area has only received about 3.7 inches of rain. The Riverside South basin is approximately 3 feet lower as compared to April 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.

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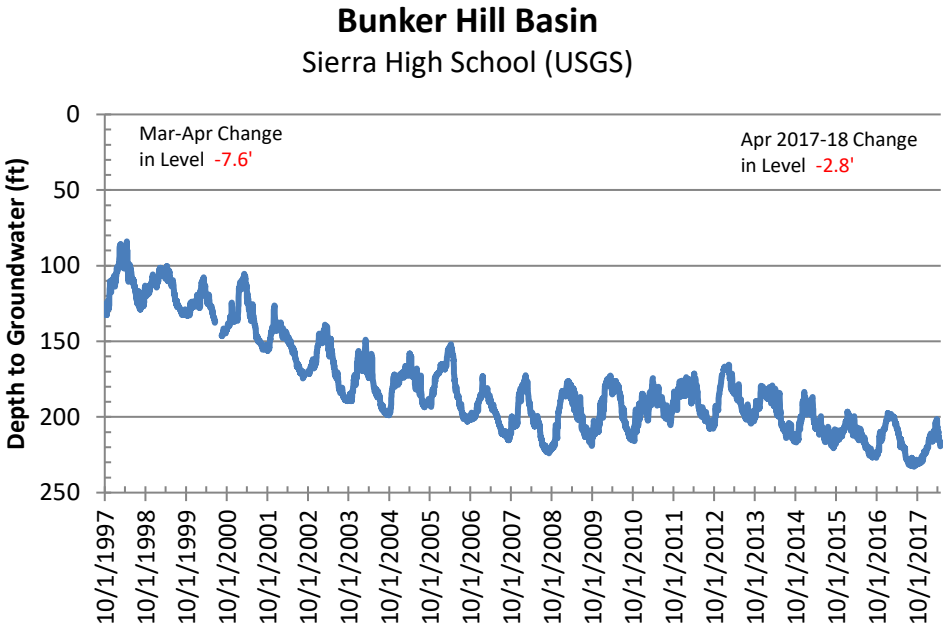
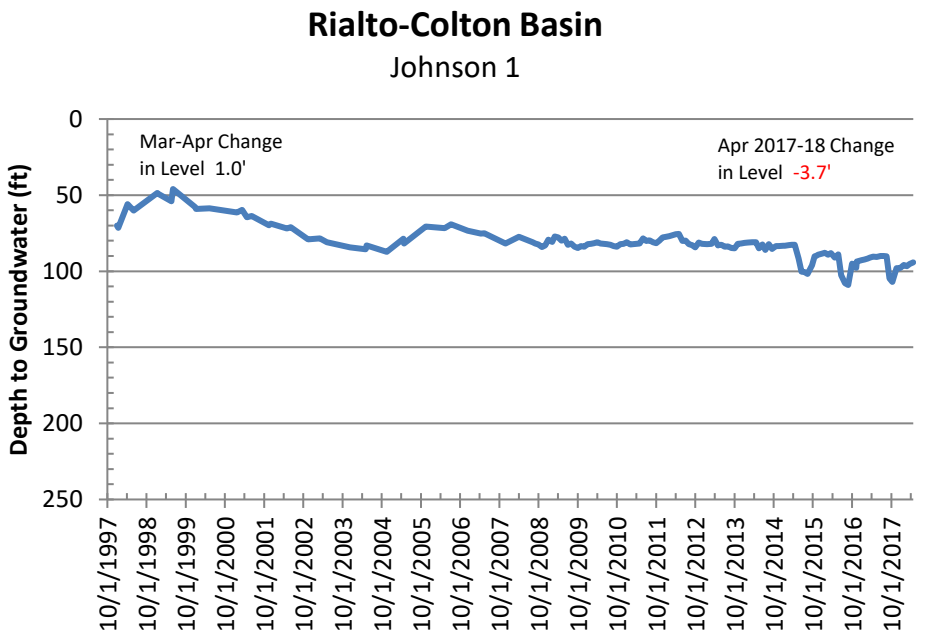
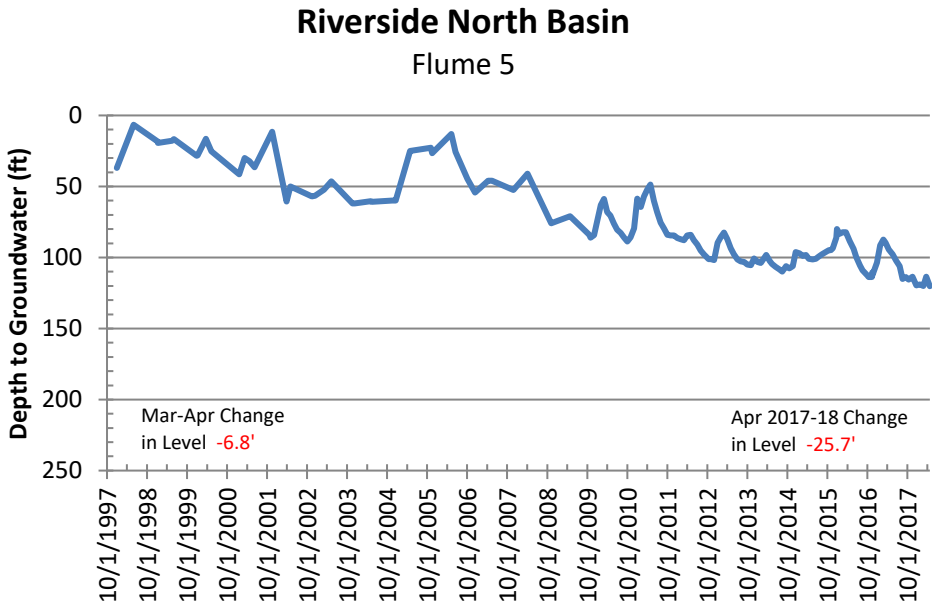
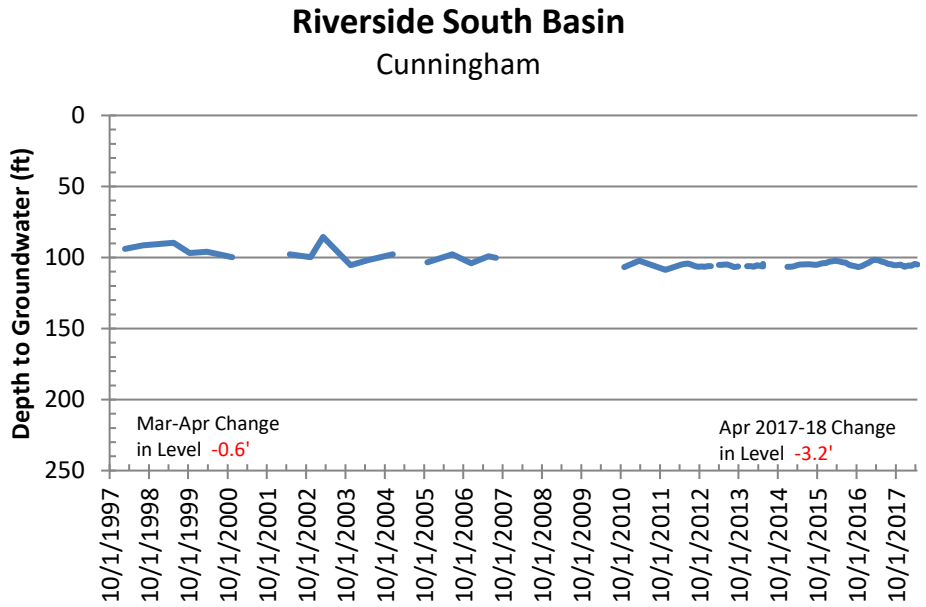
Figure 2: Basin Groundwater Levels









April 2018

Figure 3: Basin Groundwater Levels

April 2018