



# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE: DECEMBER 12, 2022**

**GENERAL MANAGER'S REPORT**

**SUBJECT: MONTHLY WATER REPORT – OCTOBER 31, 2022**

In October, RPU's total water production was 7,403 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In October, the peak water usage on the potable water distribution system was 76.2 million gallons per day (MGD) and occurred on October 3, 2022, as shown in Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), and the City of Norco totaled 6,367 AF, which increased from last October by 212 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 729 AF was wholesaled to WMWD during October. During this 2022/23 fiscal year, a total of 1,671 AF of potable water has been delivered to WMWD. And Under the Agreement for the Sale of Surplus Potable Water and Emergency Water, RPU delivered 0 AF to Norco in October 2022.

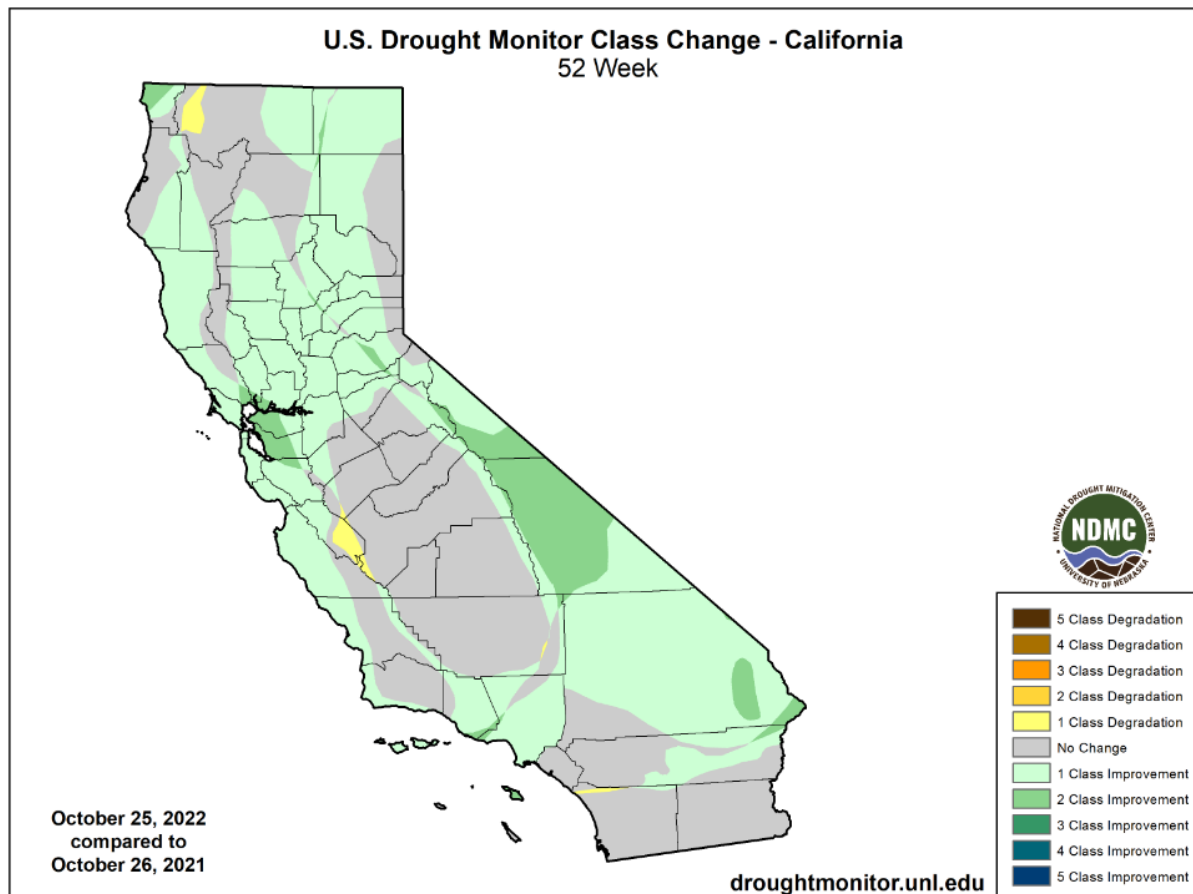
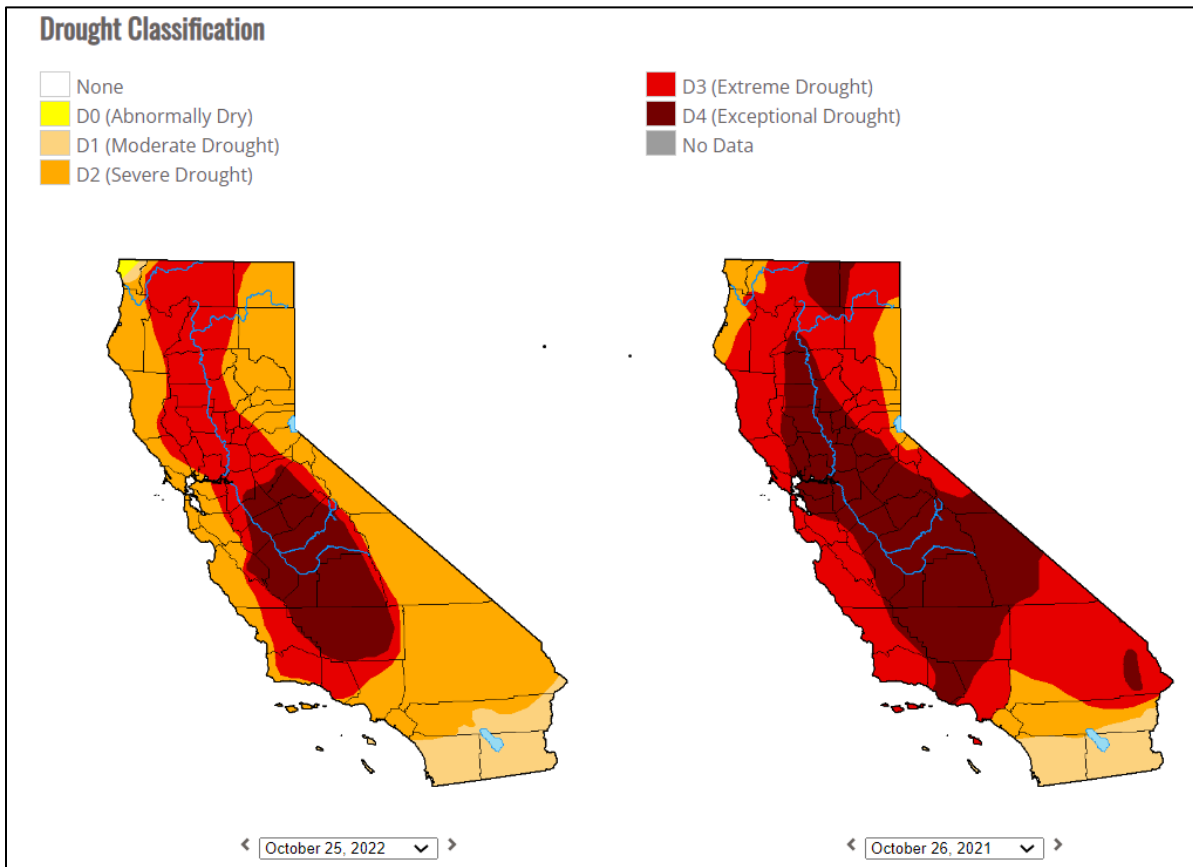
In October, RPU's Gallons Per-Capita per Day (GPCD) was 192, and its Residential Gallons Per-Capita per Day (R-GPCD) was 108. RPU's annual rolling GPCD was 192, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 111 as shown in Figure 5. The new performance standards related to water use efficiency are being finalized and will be implemented in 2023.

Weather conditions within the City of Riverside showed that October of 2022 was warmer by 3.1 degrees from October last year and experienced a decrease of 0.16 inches of rainfall compared to October 2021.

On a regional scale, the link below provides real-time updates on the progression and intensity of the Drought within the State:

<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA>

The figures below show the drought conditions throughout the State between October 2021 and October 2022, and an annual class change map for improvement or degradation in the drought conditions.



No significant events for the water system in October 2022.

### Drought:

Due to persistent and extreme drought conditions, Governor Newsom issued Executive Order N-7-22 on March 28, 2022, requiring the State Water Board to adopt an emergency regulation for urban water conservation. The emergency drought regulation requires water providers to implement Level 2 shortage response actions identified in the supplier's water shortage contingency plan for a shortage level of 10-20% of the State's standard shortage levels. Locally, this corresponds to Riverside's Stage 2 (15% demand reduction) – Minimum Water Shortage Level.

The table below shows the RPU potable demand consumption data compared to the same month of last year. The RPU potable demand includes residential and commercial potable water only. It does not include recycled water. With slightly less demand, the demand reduction for October 2022 is about -1% compared to October of last year.

Reporting Month	Oct-21	Oct -22
County Under Drought Declaration	No	Yes
Water Shortage Contingency Plan Level	1	2
Residential Use Percentage	58.11%	56.34%
CII Water (AF)	2,451	2,448
Commercial Agricultural Water (AF)	148	163
Total Potable Water Production (AF)	5,551	5,638
Estimated R-GPCD (Residential and CII only)	108	108
Target Savings	-	15%
Actual Savings	-	-1%
Recycled Water (AF)	17	18.5

### 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 6. Water levels decreased by 15 feet in the Bunker Hill Basin compared to October of last year. Water levels in the Rialto-Colton Basin decreased by 4 feet compared to October of last year. Water levels in the Riverside North Basin decreased by 4 feet while water levels in the Riverside South Basin remained relatively unchanged compared to October of last year.