



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: October 28, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – August 31, 2024

Total water production (potable and non-potable) was 8,315 acre-feet (AF). For Fiscal Year 2024-25 to date, total water production and deliveries of 16,836 AF increased by 1,301 AF (8%) from last fiscal year, as shown in Figure 1 of the attachment to this report. Total production by calendar year is shown in Figure 2 (attached). The annual rolling production totals by month are shown in Figure 3 (attached). In August, the peak water usage on the potable water distribution system was 80.4 million gallons per day (MGD) and occurred on August 5, 2024, as shown in Figure 4 (attached).

August potable water production totaled 7,196 AF, an increase of 859 AF (14%) from last August. Under its production, conveyance, and emergency water supply agreements, the water division wheeled 0 AF of potable water to the Western Municipal Water District and wholesaled 72.7 AF of potable water to the City of Norco in August.

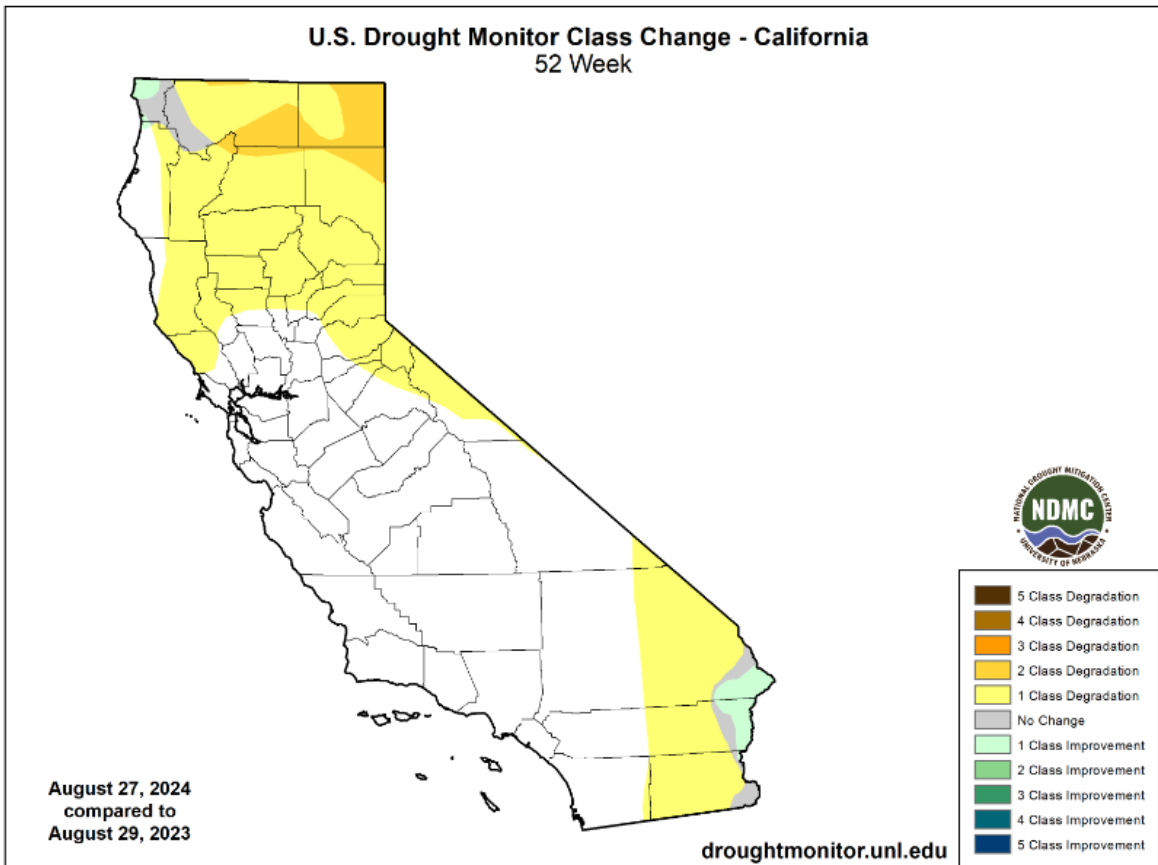
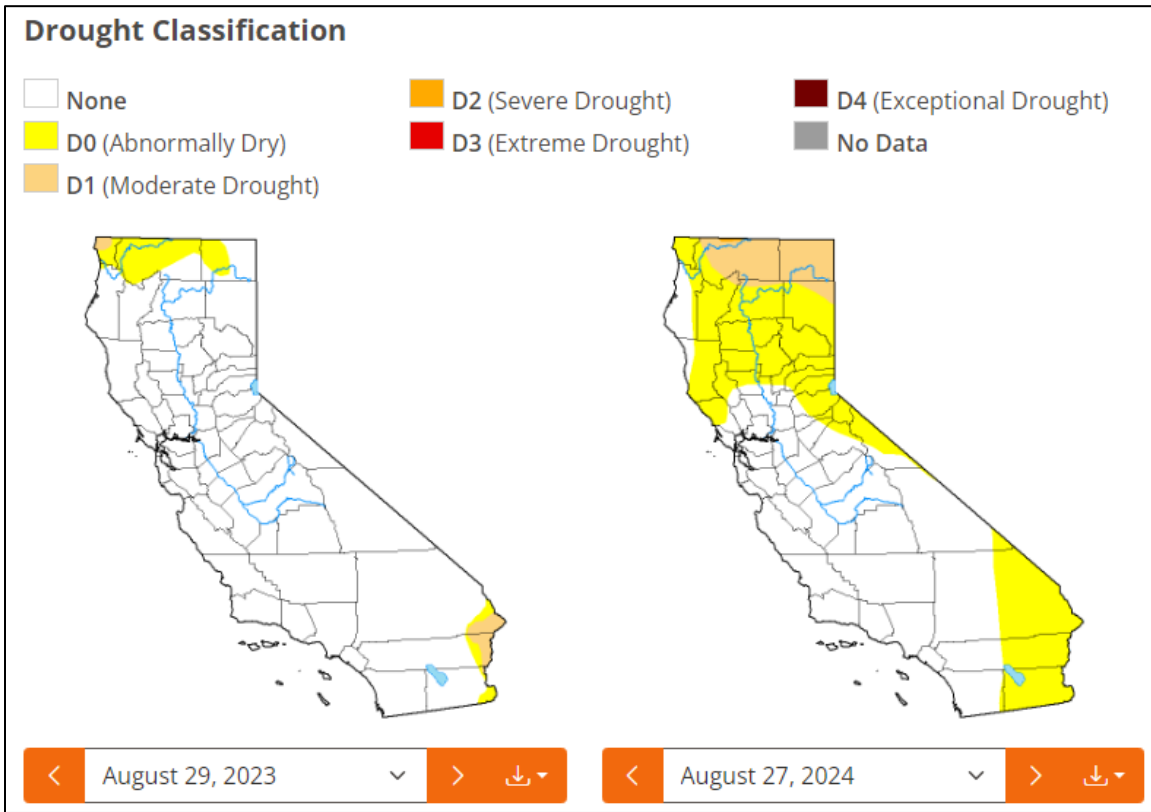
In August, RPU's Gallons Per-Capita per Day (GPCD) was 243, and its Residential Gallons Per-Capita per Day (R-GPCD) was 139. RPU's annual rolling GPCD was 174, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 99, as shown in Figure 5 (attached). On August 3, 2024, the State Water Resources Control Board adopted the 'Making Conservation a California Way of Life' regulation, which includes new performance standards. These standards are expected to become effective on January 1, 2025.

The weather conditions in the City of Riverside showed that August 2024 was cooler by .1 degrees compared to August last year and experienced a decrease of 2.11 inches of rainfall compared to August 2023.

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 maps below show the drought conditions throughout the State between August 2023 and August 2024, and an annual class change map for improvement or degradation in the drought conditions.



Significant events for the water system in August 2024.

Date	Site	Issue	Comments	Status
Jan-24	Gage 56-1	Motor		Out of Service
Jul-24	Gage 51-1	Motor	Estimated repair-2 weeks	Out of Service
Aug-24	Gage 27-1	Motor	Needs parts and board approval	Out of Service
Aug-24	Gage 92-2	Motor	pump and motor service	Out of Service

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins continue to show a long-term decline, while groundwater levels in the Riverside South Basin remain relatively stable as described below and shown in Figure 6 (attached).

- Water levels in the Bunker Hill Basin increased by 4 feet compared to August of last year.
- Water levels in the Rialto-Colton Basin increased by 15 feet compared to August of last year.
- Water levels in the Riverside North Basin increased by 8 feet compared to August of last year.
- Water levels in the Riverside South Basin increased by 1 foot compared to August of last year.

Since 1994, RPU has invested in capital improvement projects such as stormwater capture in the Bunker Hill Basin to mitigate declining water levels in its groundwater basins and support Riverside's primary water supply source. These stormwater capture projects will become operational this spring, with full implementation in early spring 2025. The project will have the capacity to capture up to 80,000 AF of stormwater in any wet year, supporting groundwater levels in Riverside's groundwater wells while increasing Riverside's extraction rights as set by the Western-San Bernardino Watermaster.