WATER | ENERGY | LIFE

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES** **DATE: NOVEMBER 18, 2024**

**GENERAL MANAGER'S REPORT**

**SUBJECT: MONTHLY WATER REPORT – September 30, 2024**

Total water production (potable and non-potable) was 7,582 acre-feet (AF). For Fiscal Year 2024-25 to date, total water production and deliveries of 24,419 AF increased by 2,428 AF (11%) 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 September, the peak water usage on the potable water distribution system was 80.8 million gallons per day (MGD) and occurred on September 6, 2024, as shown in Figure 4 (attached).

September potable water production totaled 6,464 AF, an increase of 828 AF (15%) from last September. 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 69 AF of potable water to the City of Norco in September.

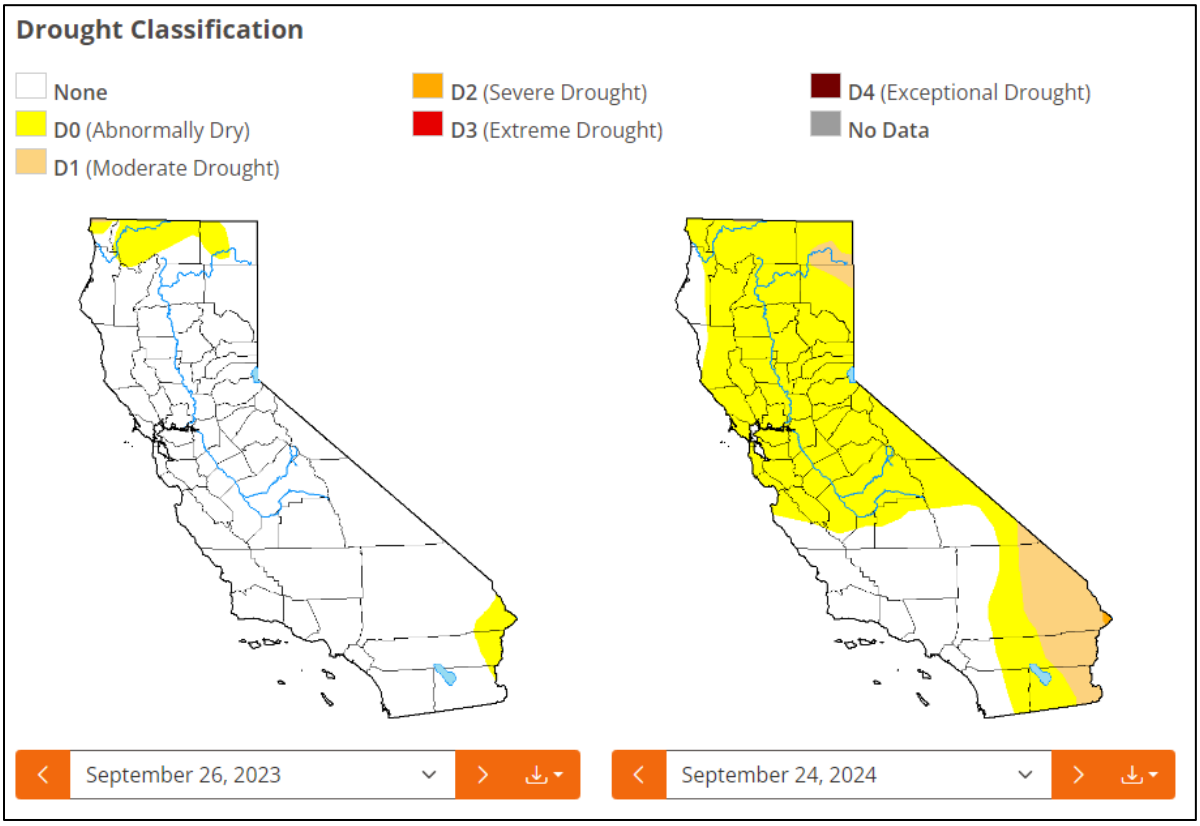
In September, RPU's Gallons Per-Capita per Day (GPCD) was 226, and its Residential Gallons Per-Capita per Day (R-GPCD) was 129. RPU's annual rolling GPCD was 176, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 100, as shown in Figure 5 (attached). On July 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.

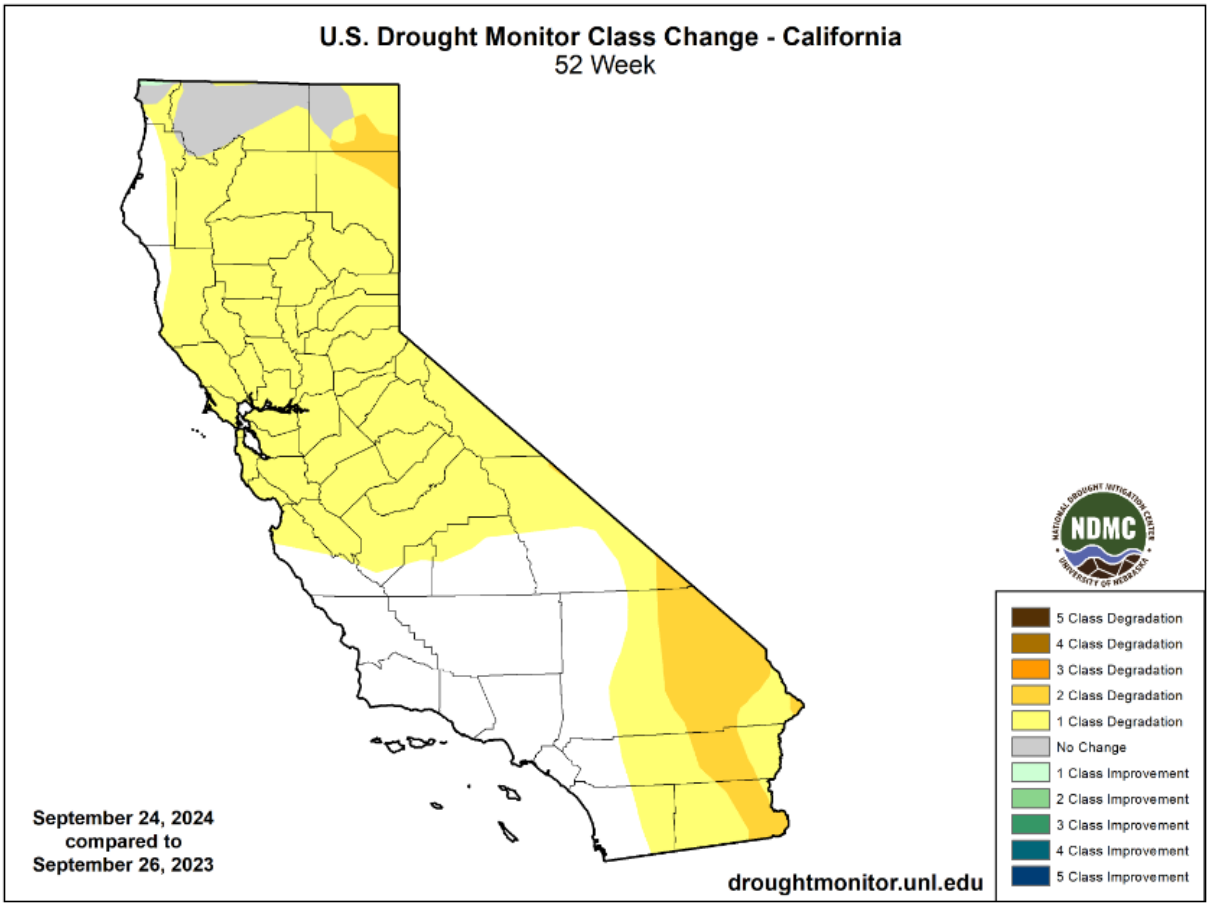
Weather conditions in the City of Riverside indicate that September 2024 was 5.5 degrees warmer compared to September last year, with an increase of 0.23 inches in rainfall compared to September 2023.

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 September 2023 and September 2024, and an annual class change map for improvement or degradation in the drought conditions.




Significant events for the water system in September 2024.

| Date | Site | Issue | Comments | Status |
|---|---|---|---|---|
| Jan-24 | Gage 56-1 | Motor | | Out of Service |
| Sep-24 | Gage 29-2 | | Troubleshooting to find the issue | 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 September of last year.
- Water levels in the Rialto-Colton Basin increased by 14 feet compared to September of last year.
- Water levels in the Riverside North Basin decreased by 3 feet compared to September of last year.
- Water levels in the Riverside South Basin increased by 1 foot compared to September 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.