



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: April 8, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – February 29, 2024

Total water production (potable and non-potable) was 3,359 acre-feet (AF). For Fiscal Year 2023-24 to date, total water production and deliveries of 48,330 AF decreased by 3,445 AF (7%) from last fiscal year, as shown in Figure 1. Total production by calendar year is shown in Figure 2. The annual rolling production totals by month are shown in Figure 3. In February, the peak water usage on the potable water distribution system was 40.5 million gallons per day (MGD) and occurred on February 16, 2024, as shown in Figure 4.

February potable water production totaled 3,387AF, which decreased from last February by 539 AF (14%). Under the Cooperative Agreement for Water Production and Conveyance with Western Municipal Water District (WMWD), 484 AF was wheeled to WMWD during February and the City of Norco, Riverside Public Utilities (RPU) delivered 65 AF of potable water in February.

In February, RPU's Gallons Per-Capita per Day (GPCD) was 105, and its Residential Gallons Per-Capita per Day (R-GPCD) was 59. RPU's annual rolling GPCD was 169, 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 96, as shown in Figure 5. The new performance standards related to water use efficiency are being finalized. The State Water Resources Control Board has entered a formal rule-making process that closed December 17, 2023, and is anticipating adopting the new standards in the summer of 2024. The new performance standards, if approved, are anticipated to be effective after December 2024.

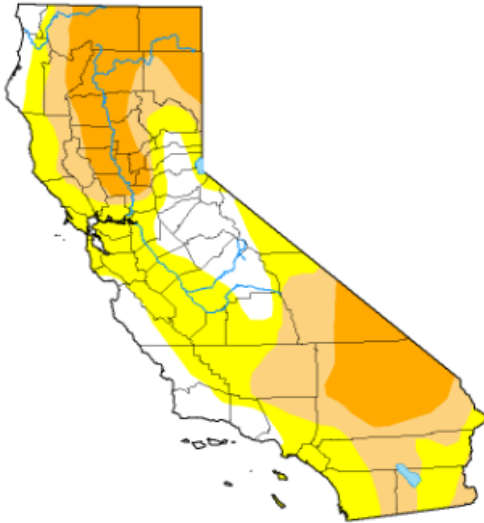
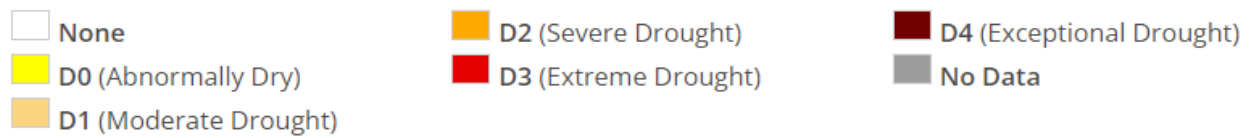
The weather conditions in the City of Riverside showed that February 2024 was Cooler by 1.1 degrees compared to February last year and experienced an increase of 3.84 inches of rainfall compared to February 2023.

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

Drought Classification

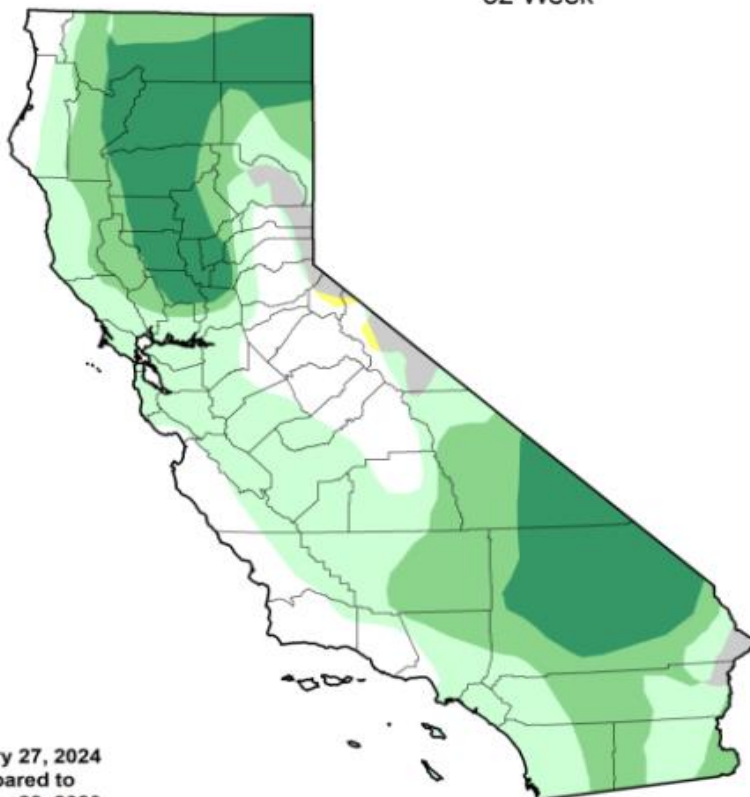


< February 28, 2023 > ⬇



< February 27, 2024 > ⬇

U.S. Drought Monitor Class Change - California 52 Week



February 27, 2024
compared to
February 28, 2023



droughtmonitor.unl.edu

Significant events for the water system in February 2024.

Date	Site	Issue	Comments	Status
Jul-23	Gage 27-1	Motor	Vandalized	Out of Service
Oct-23	Cooley J	Electrical	Vandalized	Out of Service
Jan-24	Gage 56-1	Motor		Out of Service
Feb-24	Gage 51-1	Motor		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

- Water levels in the Bunker Hill Basin increased by 7 feet compared to February of last year.
- Water levels in the Rialto-Colton Basin increased by 16 feet compared to February of last year.
- Water levels in the Riverside North Basin increased by 30 feet compared to February of last year.
- Water levels in the Riverside South Basin increased by 1 foot compared to February 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 given year, supporting groundwater levels in Riverside's groundwater wells while increasing Riverside's extraction rights as set by the Western-San Bernardino Watermaster.