



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: March 11, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – January 31, 2024

Total water production (potable and non-potable) was 4,676 acre-feet (AF). For Fiscal Year 2023-24 to date, total water production and deliveries of 44,970 AF decreased by 2,337 AF (5%) 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 January, the peak water usage on the potable water distribution system was 53.4 million gallons per day (MGD) and occurred on January 15, 2024, as shown in Figure 4.

January potable water production totaled 4,179 AF, which increased from last December by 460 AF (12%). Under the Cooperative Agreement for Water Production and Conveyance with Western Municipal Water District (WMWD), 689 AF was wheeled to WMWD during January and to the City of Norco, Riverside Public Utilities (RPU) delivered no water in January.

In January, RPU's Gallons Per-Capita per Day (GPCD) was 120, and its Residential Gallons Per-Capita per Day (R-GPCD) was 68. RPU's annual rolling GPCD was 171, 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 97, 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.

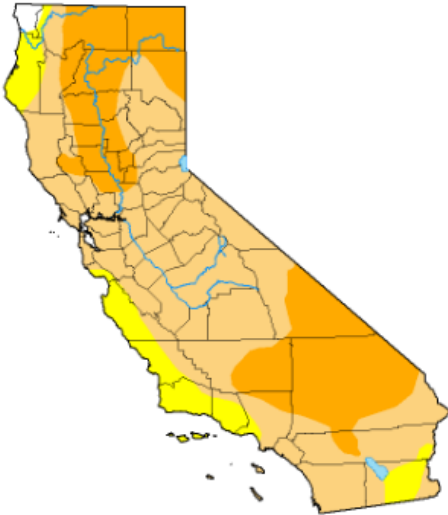
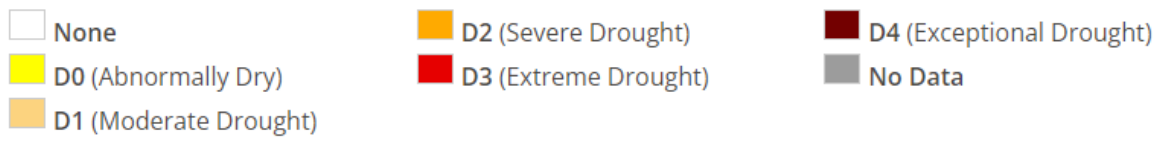
The weather conditions in the City of Riverside showed that January 2024 was warmer by 4.6 degrees compared to January last year and experienced a decrease of 1.49 inches of rainfall compared to January 2023.

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

Drought Classification



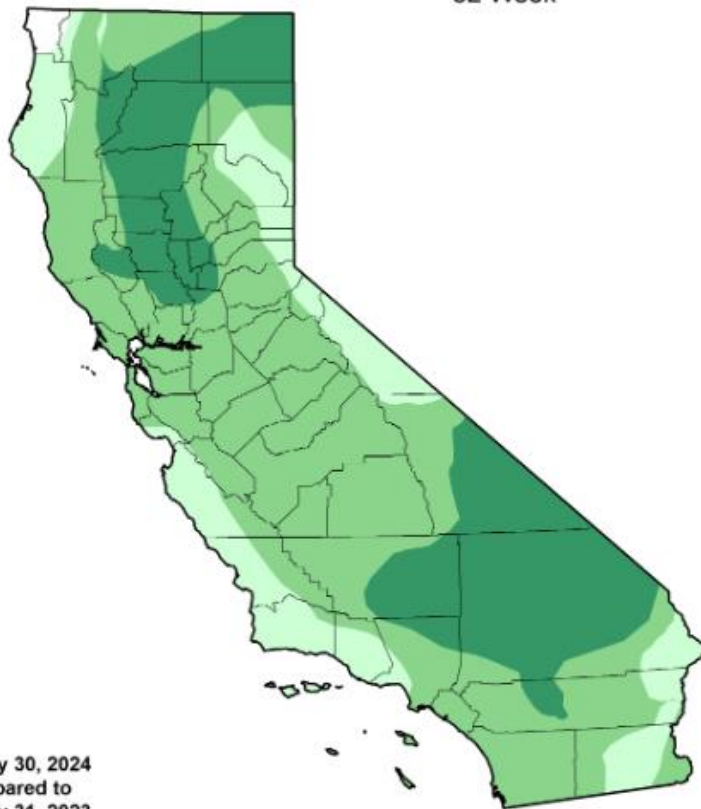
< January 31, 2023



< January 30, 2024



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



January 30, 2024
compared to
January 31, 2023



droughtmonitor.unl.edu

Significant events for the water system in January 2024.

Date	Site	Issue	Comments	Status
Dec-23	Gage 98-1	Rehab	Undergoing well rehab	Out of Service
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
Jan-24	Garner 7	Electrical		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 remained relatively unchanged compared to January of last year.
- Water levels in the Rialto-Colton Basin increased by 17 feet compared to January of last year.
- Water levels in the Riverside North Basin increased by 30 feet compared to January of last year.
- Water levels in the Riverside South Basin increased by 1 foot compared to January 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 to benefit all agencies funding the project, and supports improved groundwater levels in Riverside's groundwater wells while increasing Riverside's extraction rights as set by the Western-San Bernardino Watermaster.