

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: July 22, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – May 31, 2024

Total water production (potable and non-potable) was 7,070 acre-feet (AF). For Fiscal Year 2023-24 to date, total water production and deliveries of 64,996 AF decreased by 2,543 AF (4%) 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 May, the peak water usage on the potable water distribution system was 71.5 million gallons per day (MGD) and occurred on May 27, 2024, as shown in Figure 4.

May potable water production totaled 6,206 AF, an increase of 338 AF (6%) from last May. Under its production, conveyance, and emergency water supply agreements, the water division wheeled 842 AF of potable water to the Western Municipal Water District and wholesaled 71 AF of potable water to the City of Norco in May.

In May, RPU's Gallons Per-Capita per Day (GPCD) was 182, and its Residential Gallons Per-Capita per Day (R-GPCD) was 104. RPU's annual rolling GPCD was 170, 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 by January 1, 2025.

The weather conditions in the City of Riverside showed that May 2024 was warmer by 0.2 degrees compared to May last year and experienced a decrease of 0.2 inches of rainfall compared to May 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>

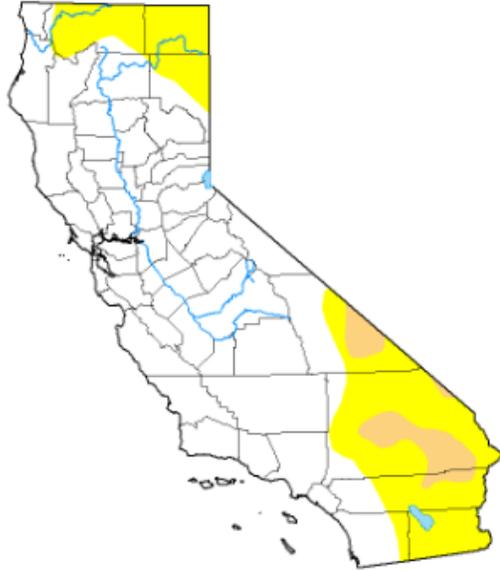
The figures below show the drought conditions throughout the State between May 2023 and May 2024, and an annual class change map for improvement or degradation in the drought conditions.

Drought Classification

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

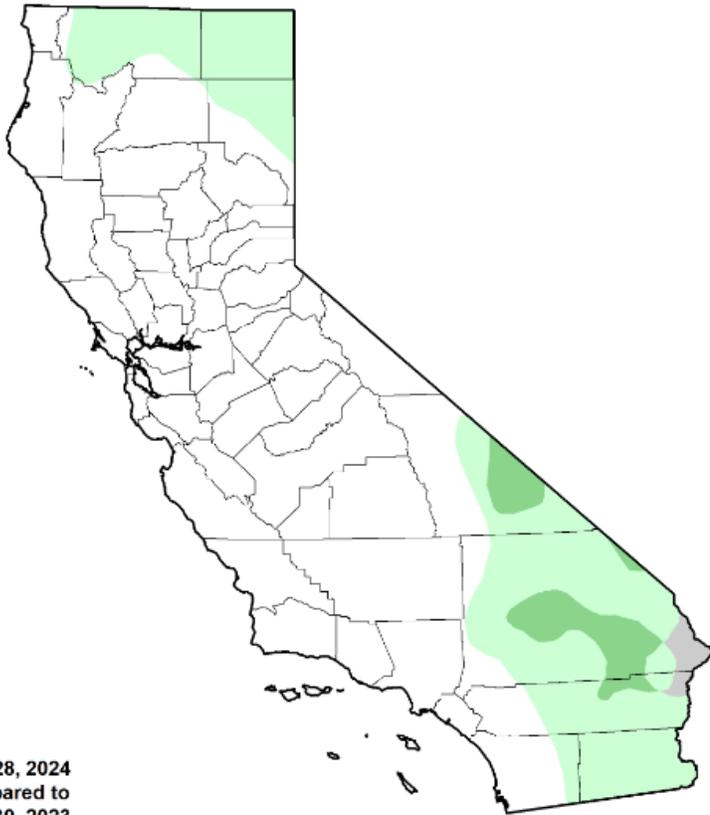


< May 28, 2024 > ⌵ ⌴



< May 30, 2023 > ⌵ ⌴

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



May 28, 2024
compared to
May 30, 2023



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

Significant events for the water system in May 2024.

Date	Site	Issue	Comments	Status
Jan-24	Gage 56-1	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 3 feet compared to May of last year.
- Water levels in the Rialto-Colton Basin increased by 18 feet compared to May of last year.
- Water levels in the Riverside North Basin increased by 51 feet compared to May of last year.
- Water levels in the Riverside South Basin remained relatively unchanged compared to May 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.