



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: June 10, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – April 30, 2024

Total water production (potable and non-potable) was 5,394 acre-feet (AF). For Fiscal Year 2023-24 to date, total water production and deliveries of 57,925 AF decreased by 2,715 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 April, the peak water usage on the potable water distribution system was 64.9 million gallons per day (MGD) and occurred on April 29, 2024, as shown in Figure 4.

April potable water production totaled 4,755 AF, an increase of 50 AF (1%) from last April. Under its production, conveyance, and emergency water supply agreements, the water division wheeled 682 AF of potable water to the Western Municipal Water District and wholesaled 66 AF of potable water to the City of Norco in April.

In April, RPU's Gallons Per-Capita per Day (GPCD) was 143, and its Residential Gallons Per-Capita per Day (R-GPCD) was 80. 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 April 2024 was cooler by 3.3 degrees compared to April last year and experienced an increase of .19 inches of rainfall compared to April 2023.

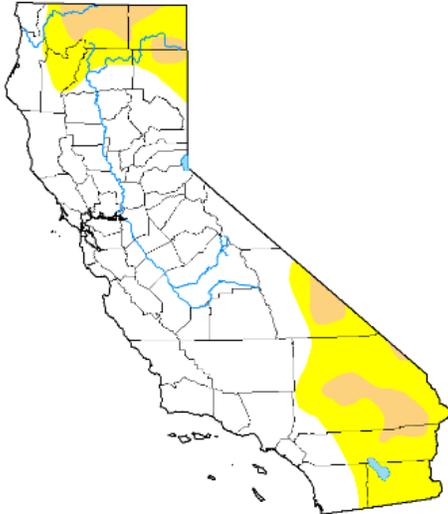
On a regional scale, the link below provides real-time updates on the progression and intensity of the Drought within the State:

<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA>

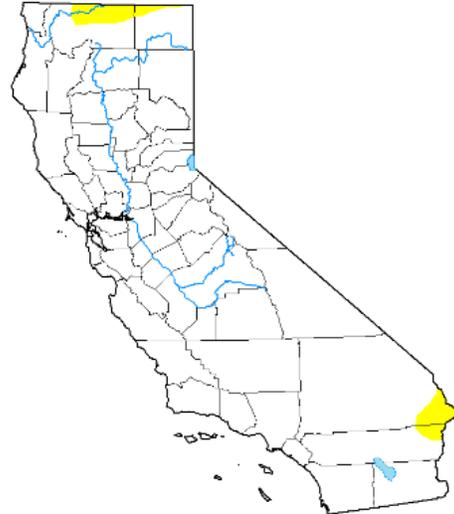
The figures below show the drought conditions throughout the State between April 2023 and April 2024, and an annual class change map for improvement or degradation in the drought conditions.

Drought Classification

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

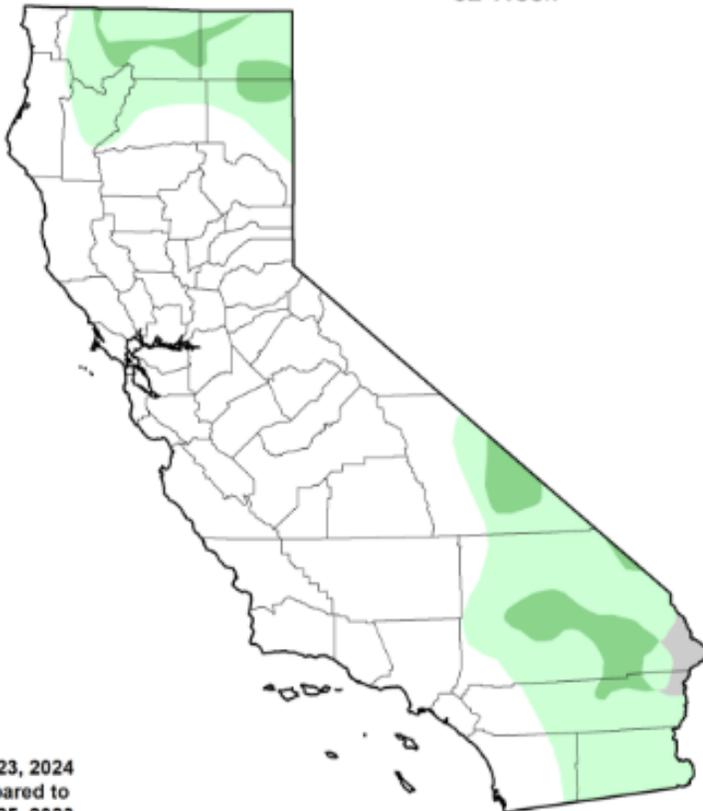


< April 25, 2023 > [dropdown] [download]



< April 23, 2024 > [dropdown] [download]

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



April 23, 2024
compared to
April 25, 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 April 2024.

Date	Site	Issue	Comments	Status
Jan-24	Gage 56-1	Motor		Out of Service
Apr-24	Hunt 10	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 April of last year.
- Water levels in the Rialto-Colton Basin increased by 14 feet compared to April of last year.
- Water levels in the Riverside North Basin increased by 1 foot compared to April of last year.
- Water levels in the Riverside South Basin remained relatively unchanged compared to April 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.