



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: DECEMBER 9, 2024

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – October 31, 2024

Total water production (potable and non-potable) was 6,985 acre-feet (AF) or 2,276 million gallons. For Fiscal Year 2024-25 to date, total water production and deliveries of 31,403 AF increased by 2,967 AF (10%) 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 October, the peak water usage on the potable water distribution system was 69.5 million gallons per day and occurred on October 2, 2024, as shown in Figure 4 (attached).

October potable water production totaled 6,046 AF, an increase of 456 AF (8%) from last October. 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 71 AF of potable water to the City of Norco in October.

In October, RPU's Gallons Per-Capita per Day (GPCD) was 185, and its Residential Gallons Per-Capita per Day (R-GPCD) was 100. RPU's annual rolling GPCD was 175, 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 101, 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 October 2024 was 2.4 degrees warmer compared to October last year, with a decrease of 0.01 inches in rainfall compared to October 2023.

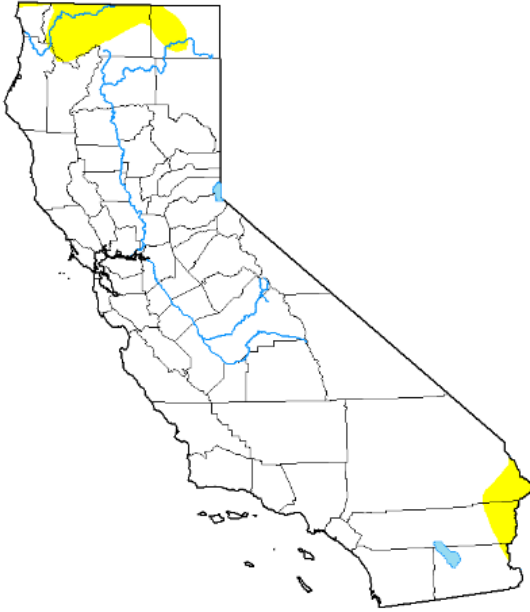
On a regional scale, the link below provides real-time updates on the progression and intensity of the Drought within the State:

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

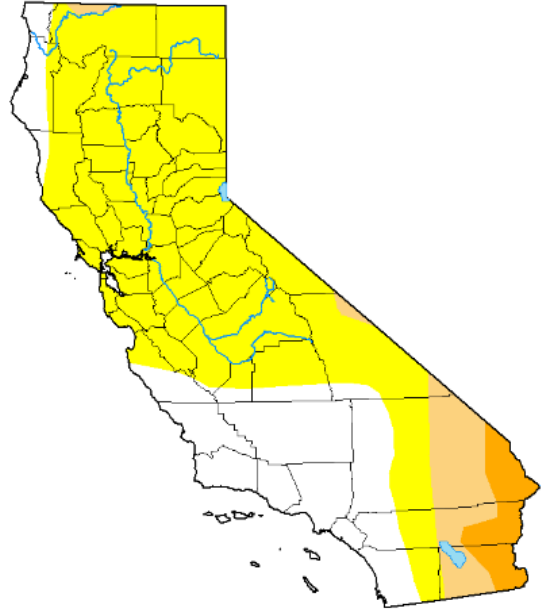
The maps below show the drought conditions throughout the State between October 2023 and October 2024, and an annual class change map for improvement or degradation in the drought conditions.

Drought Classification

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

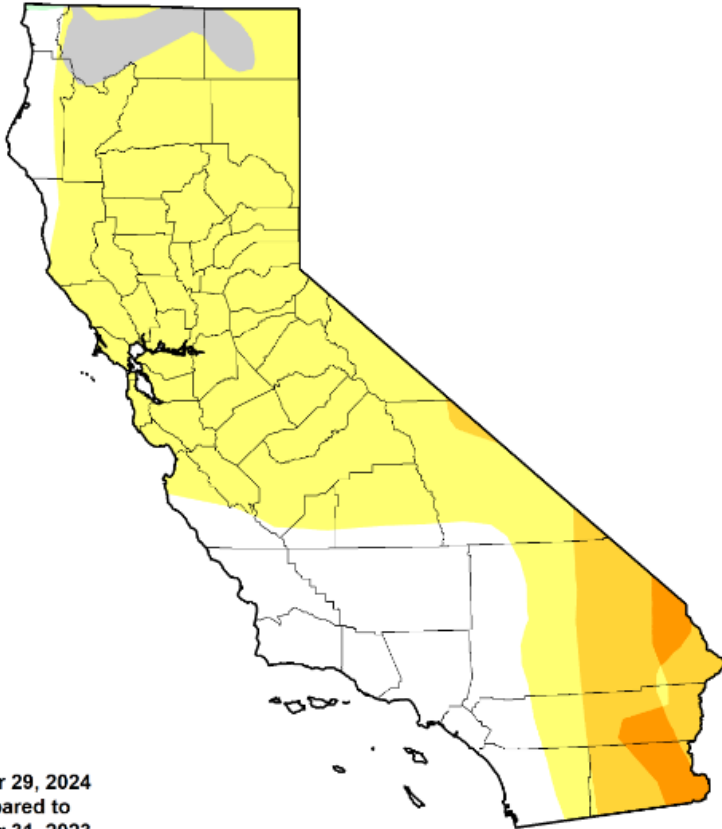


< October 31, 2023 > ⏴ ⏵



< October 29, 2024 > ⏴ ⏵

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



October 29, 2024
compared to
October 31, 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 October 2024.

Date	Site	Issue	Comments	Status
Jan-24	Gage 56-1	Motor		Out of Service
October	Hunt 10	Motor		Out of Service
Aug-24	Gage 27-1	Motor	Needs parts and board approval	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 6 feet compared to October of last year.
- Water levels in the Rialto-Colton Basin increased by 11 feet compared to October of last year.
- Water levels in the Riverside North Basin increased by 3 feet compared to October of last year.
- Water levels in the Riverside South Basin remained relatively unchanged compared to October 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.

Water Unit Conversion:

1 million gallons: 3.069 acre-feet.