WATER | ENERGY | LIFE

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES **DATE: FEBRUARY 12, 2024**

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – November 30, 2023

Total water production (potable and non-potable) was 6,377 acre-feet (AF). For Fiscal Year 2023-24 to date, total water production and deliveries of 34,813 AF decreased by 3,730 AF (10%) 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 November, the peak water usage on the potable water distribution system was 69 million gallons per day (MGD) and occurred on November 3, 2023, as shown in Figure 4.

November potable water production totaled 5,616 AF, which increased from last November by 641 AF (13%). Under the Cooperative Surplus Water Sales and Emergency Water Agreements with WMWD and the City of Norco, RPU delivered no water in November.

In November, RPU's Gallons Per-Capita per Day (GPCD) was 172, and its Residential Gallons Per-Capita per Day (R-GPCD) was 97. RPU's annual rolling GPCD was 168, 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 will close November 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 November 2024.

The weather conditions in the City of Riverside showed that November 2023 was warmer by 6.7 degrees compared to November last year and experienced a decrease of .79 inches of rainfall compared to November 2022

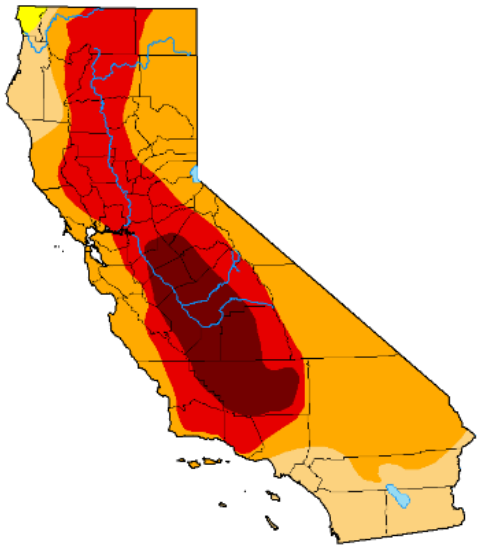
On a regional scale, the link below provides real-time updates on the progression and intensity of the Drought within the State:

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

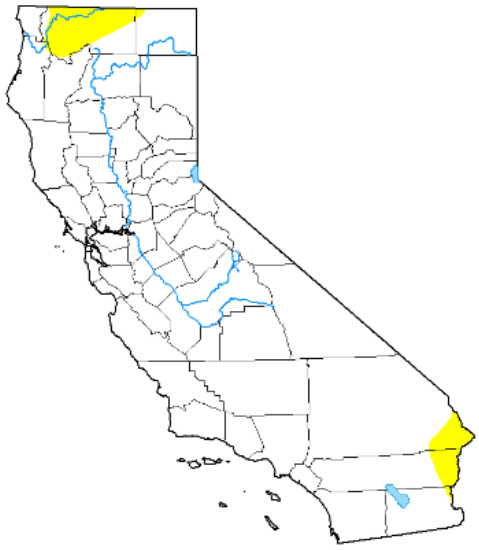
The figures below show the drought conditions throughout the State between November 2022 and November 2023, and an annual class change map for improvement or degradation in the drought conditions.

Drought Classification

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



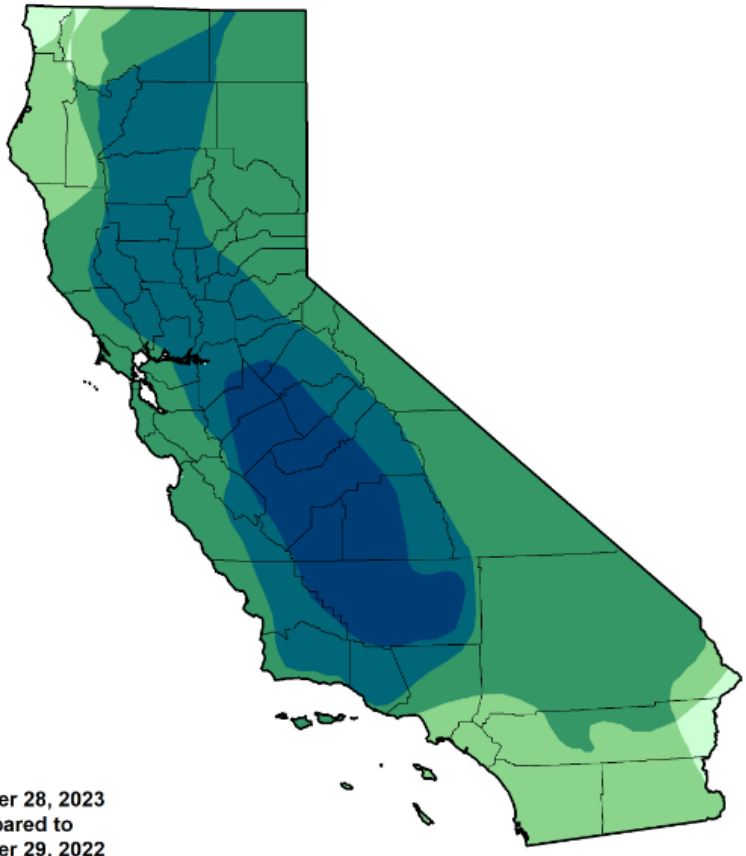
< November 29, 2022 > Download Map



< November 28, 2023 > Download Map

U.S. Drought Monitor Class Change - California

52 Week



November 28, 2023
compared to
November 29, 2022

droughtmonitor.unl.edu

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

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Date	Site	Issue	Comments	Status
Nov-23	Palmyrita	Pump	Need repair	Out of Service
Jul-23	Gage 27-2	Motor	Needs Exhaust manifold	Out of Service
Oct-23	Cooley J	Electrical	Vandalized	Out of Service
Oct-23	Gage 27-1	Motor	Vandalized	Out of Service

Significant events for the water system in November2023.

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 shown in Figure 6. Water levels in the Bunker Hill Basin decreased by 1 foot compared to November of last year. Water levels in the Rialto-Colton Basin increased by 11 feet compared to November of last year. Water levels in the Riverside North Basin increased by 38 feet, while water levels in the Riverside South Basin remained relatively unchanged compared to November of last year.