



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: APRIL 10, 2023

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – JANUARY 31, 2023

Total water production (potable and non-potable) was 3,772 acre-feet (AF), including 577 AF produced and wheeled for Western Municipal Water District (WMWD) for the month of January and for Fiscal Year 2022-23 to date, total water production and deliveries of 47,305 AF decreased by 3,029 AF (6%) from the same period 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 45 million gallons per day (MGD) and occurred on January 27, 2023, as shown in Figure 4.

January potable water production totaled 3,719 AF, which decreased from last January by 839 AF (18%). Under the Cooperative Surplus Water Sales and Emergency Water Agreements with WMWD and the City of Norco, RPU delivered no water in January.

In January, RPU's Gallons Per-Capita per Day (GPCD) was 108, and its Residential Gallons Per-Capita per Day (R-GPCD) was 62. RPU's annual rolling GPCD was 188, 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 108 as shown in Figure 5. The new performance standards related to water use efficiency are being finalized and are set to be adopted in 2023.

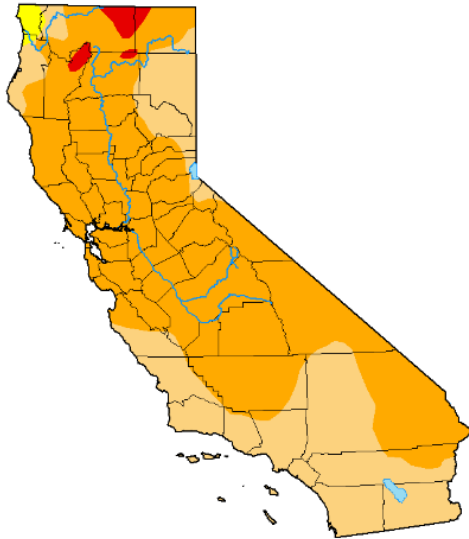
Weather conditions within the City of Riverside showed that January of 2023 was cooler by 7.5 degrees from January last year and experienced an increase of 2.97 inches of rainfall compared to January 2022.

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

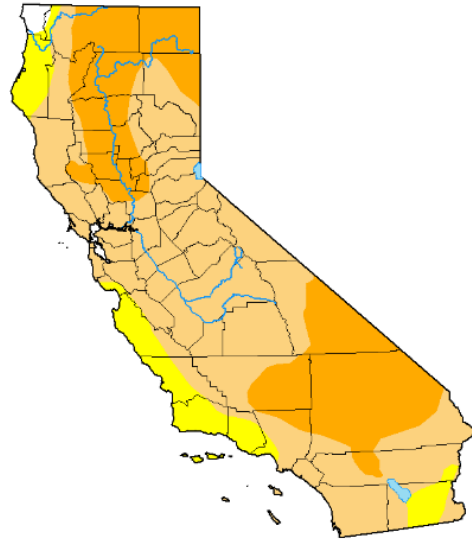
<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?CA>

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

Drought Classification

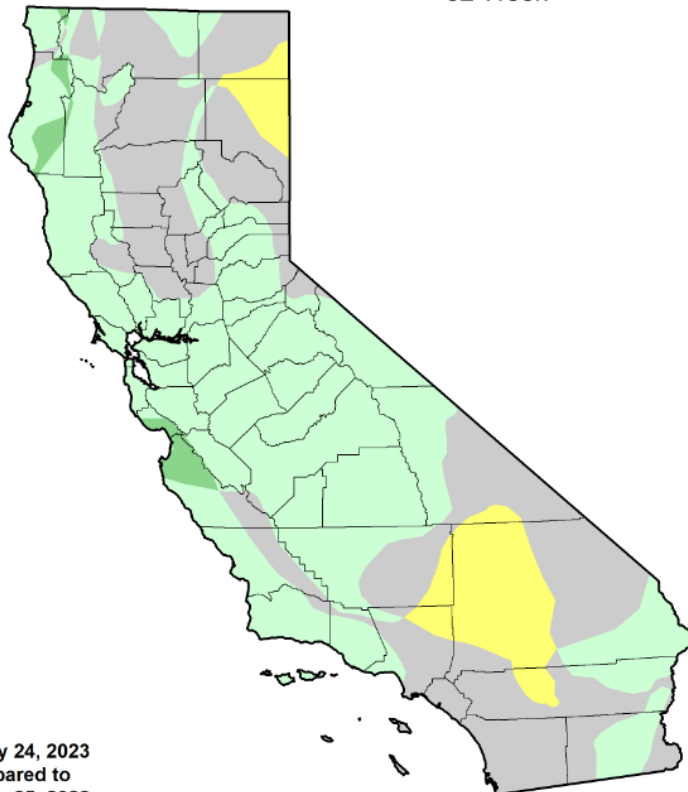


< January 25, 2022 >

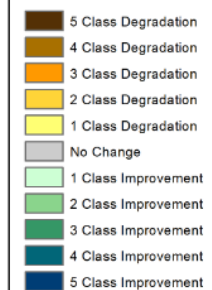


< January 24, 2023 >

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



January 24, 2023
compared to
January 25, 2022



droughtmonitor.unl.edu

Significant events for the water system in January 2023.

Date	Site	Issue	Comments	Status
August - Current	Gage 46-1R	Loss of production waiting rehab	Pump Pulled, awaiting evaluation	Out of Service
January - Current	Gage 56-1	Scheduled Maintenance	Well down 1/17 to 2/6	Out of Service
January - Current	Garner 6	Well Rehab	Well taken OOS for Rehab	Out of Service
January - Current	Garner D	Well Rehab	Well taken OOS for Rehab	Out of Service
January - Current	Gage 29-2	Maintenance/repair	Awaiting parts Offline 1/31 - 2/6	Out of Service
January - Current	Raub 8	Repair Upper Bearing	Should have Well back 2/17/23	Out of Service

Drought:

Due to persistent and extreme drought conditions, Governor Newsom issued Executive Order N-7-22 on March 28, 2022, requiring the State Water Board to adopt an emergency regulation for urban water conservation. The emergency drought regulation requires water providers to implement Level 2 shortage response actions identified in the supplier's water shortage contingency plan for a shortage level of 10-20% of the State's standard shortage levels. Locally, this corresponds to Riverside's Stage 2 (15% demand reduction) – Minimum Water Shortage Level.

The table below shows the RPU potable demand consumption data compared to the same month of last year. The RPU potable demand includes residential and commercial potable water only. It does not include recycled water. The demand reduction for January 2023 is about 24% compared to January of 2021.

Reporting Month	Jan -21	Jan -23
County Under Drought Declaration	No	Yes
Water Shortage Contingency Plan Level	1	2
Residential Use Percentage	58.96%	57.33%
CII Water (AF)	1,685	1,381
Commercial Agricultural Water (AF)	100	50
Total Potable Water Production (AF)	4,162	3,142
Estimated R-GPCD (Residential and CII only)	81	62
Target Savings	-	15%
Actual Savings	-	24%
Recycled Water (AF)	5.3	5.2

Basin Groundwater Levels

Groundwater levels in the Bunker Hill, Rialto-Colton, and Riverside North basins are continuing to show a long-term declining trend, while groundwater levels in the Riverside South Basin remain relatively stable as shown in Figure 6. Water levels decreased by 8 feet in the Bunker Hill Basin compared to January of last year. Water levels in the Rialto-Colton Basin decreased by 4 feet compared to January of last year. Water levels in the Riverside North Basin decreased by 4 feet while water levels in the Riverside South Basin decreased by 2 feet compared to January of last year.