RIVERSIDE PUBLIC UTILITIES

Board Memorandum

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

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – December 31, 2023

Total water production (potable and non-potable) was 5,484 acre-feet (AF). An AF of water equals 325,851 gallons and can serve the water needs of two families of four for a year. For Fiscal Year 2023-24 to date, total water production and deliveries of 40,297 AF decreased by 3,237 AF (7%) 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 December, the peak water usage on the potable water distribution system was 70.8 million gallons per day (MGD) and occurred on December 4, 2023, as shown in Figure 4.

December potable water production totaled 5,263 AF, which increased from last December by 822 AF (19%). Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 683 AF was wholesaled to WMWD during December and the City of Norco, RPU delivered no water in December.

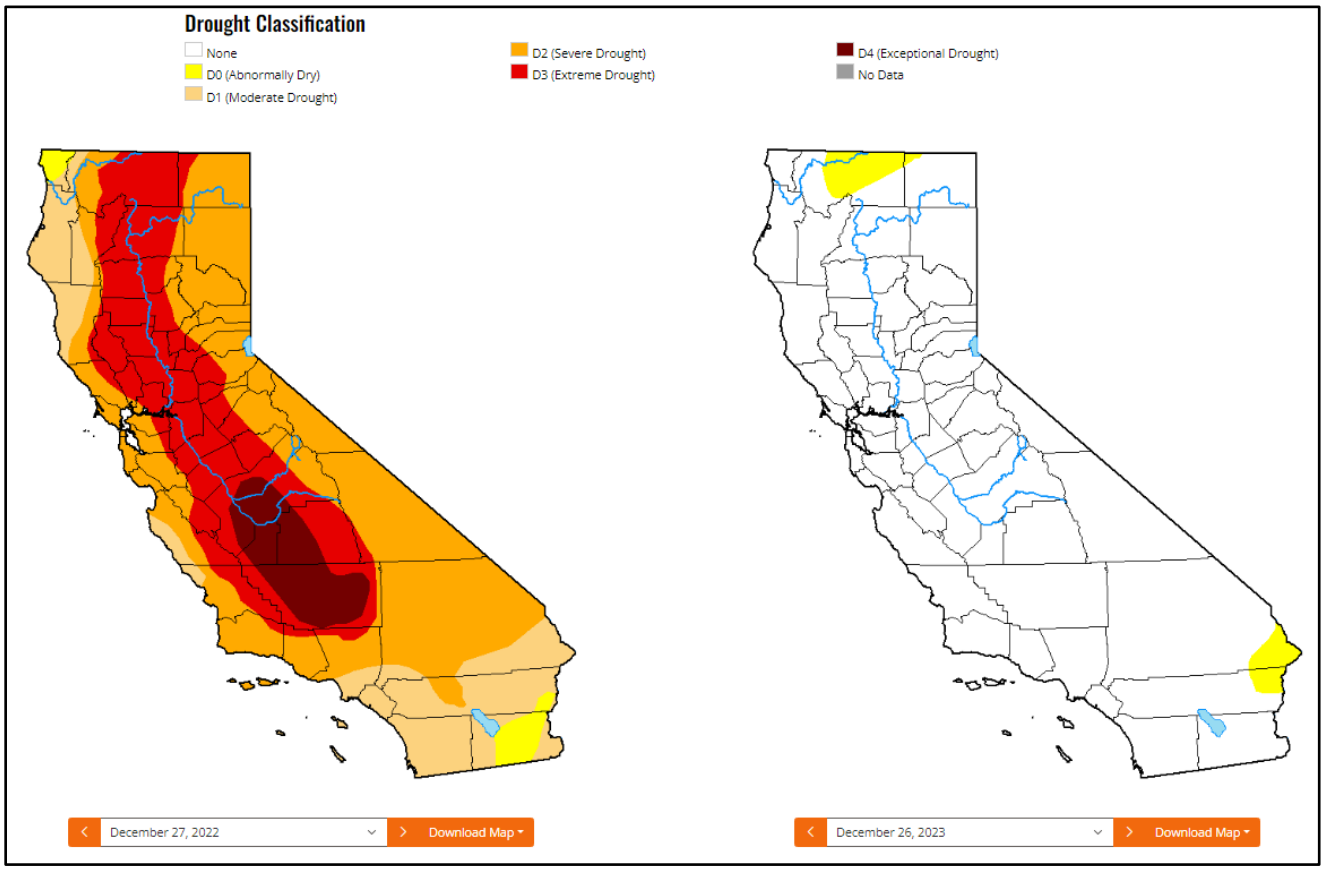
In December, RPU's Gallons Per-Capita per Day (GPCD) was 158, and its Residential Gallons Per-Capita per Day (R-GPCD) was 88. RPU's annual rolling GPCD was 170, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 97, as shown 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.

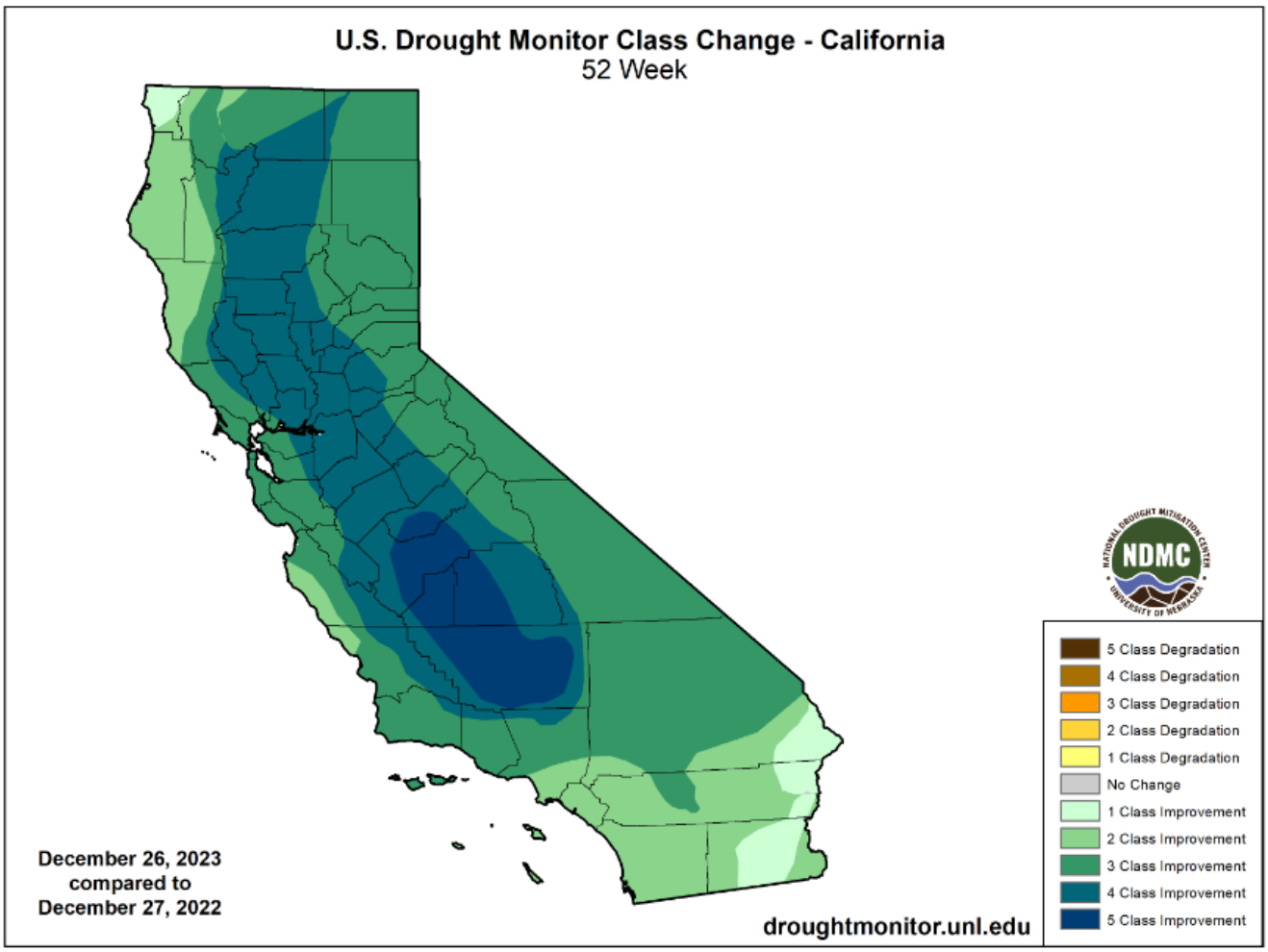
The weather conditions in the City of Riverside showed that December 2023 was warmer by 5.7 degrees compared to December last year and experienced a decrease of .96 inches of rainfall compared to December 2022

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 December 2022 and December 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
December 27, 2022
Download Map
December 26, 2023
Download Map



Significant Events for the Water System in December 2023

Date	Site	Issue	Comments	Status
Dec-23	Gage 98-1	Pump	Undergoing well rehab	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

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 December of last year.
- Water levels in the Rialto-Colton Basin increased by 12 feet compared to December of last year.
- Water levels in the Riverside North Basin increased by 36 feet compared to December of last year.
- Water levels in the Riverside South Basin increased by 2 feet compared to December 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.