WATER | ENERGY | LIFE

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES **DATE: AUGUST 8, 2022**

GENERAL MANAGER'S REPORT

SUBJECT: MONTHLY WATER REPORT – JUNE 30, 2022

In June, RPU's total water production was 8,390 acre-feet (AF) as shown in Figures 1 and 2. RPU's annual rolling production totals by month are shown in Figure 3. In June, the peak water usage on the potable water distribution system was 82.7 million gallons per day (MGD) and occurred on June 27, 2022, as shown in Figure 4.

RPU's potable water supply, including deliveries to Western Municipal Water District (WMWD), and the City of Norco totaled 6,991 AF, which decreased from last June by 104 AF. Under the Cooperative Agreement for Water Production and Conveyance with WMWD, 608 AF was wheeled to WMWD during June. During this 2021/22 fiscal year, a total of 5,751 AF of potable water has been delivered to WMWD. And Under the Agreement for the Sale of Surplus Potable Water and Emergency Water, RPU delivered 0 AF to Norco in June 2022.

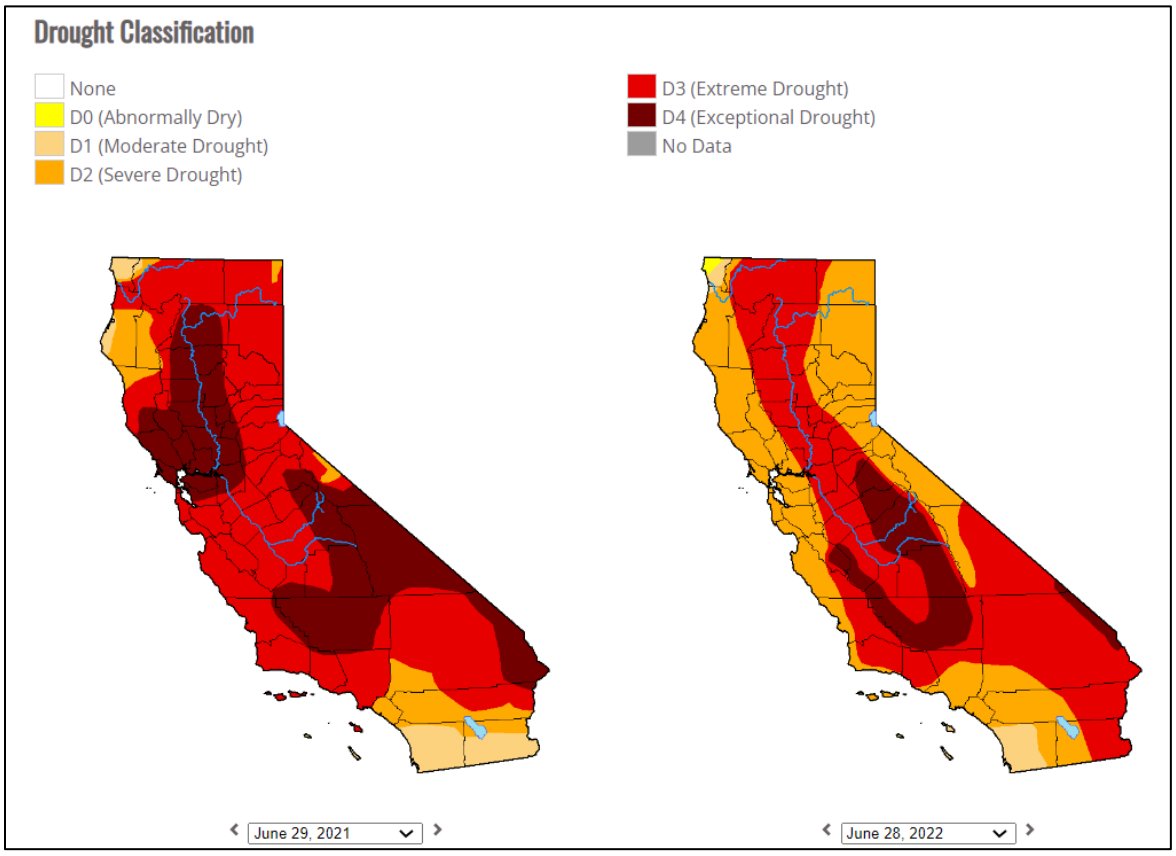
In June, RPU's Gallons Per-Capita per Day (GPCD) was 226, and its Residential Gallons Per-Capita per Day (R-GPCD) was 131. RPU's annual rolling GPCD was 193, which is below the compliance target specified in SB X7-7 (i.e., 20% reduction by 2020) of 213. RPU's annual rolling R-GPCD was 112 as shown in Figure 5. The new performance standards related to water use efficiency are being finalized and will be implemented in 2023.

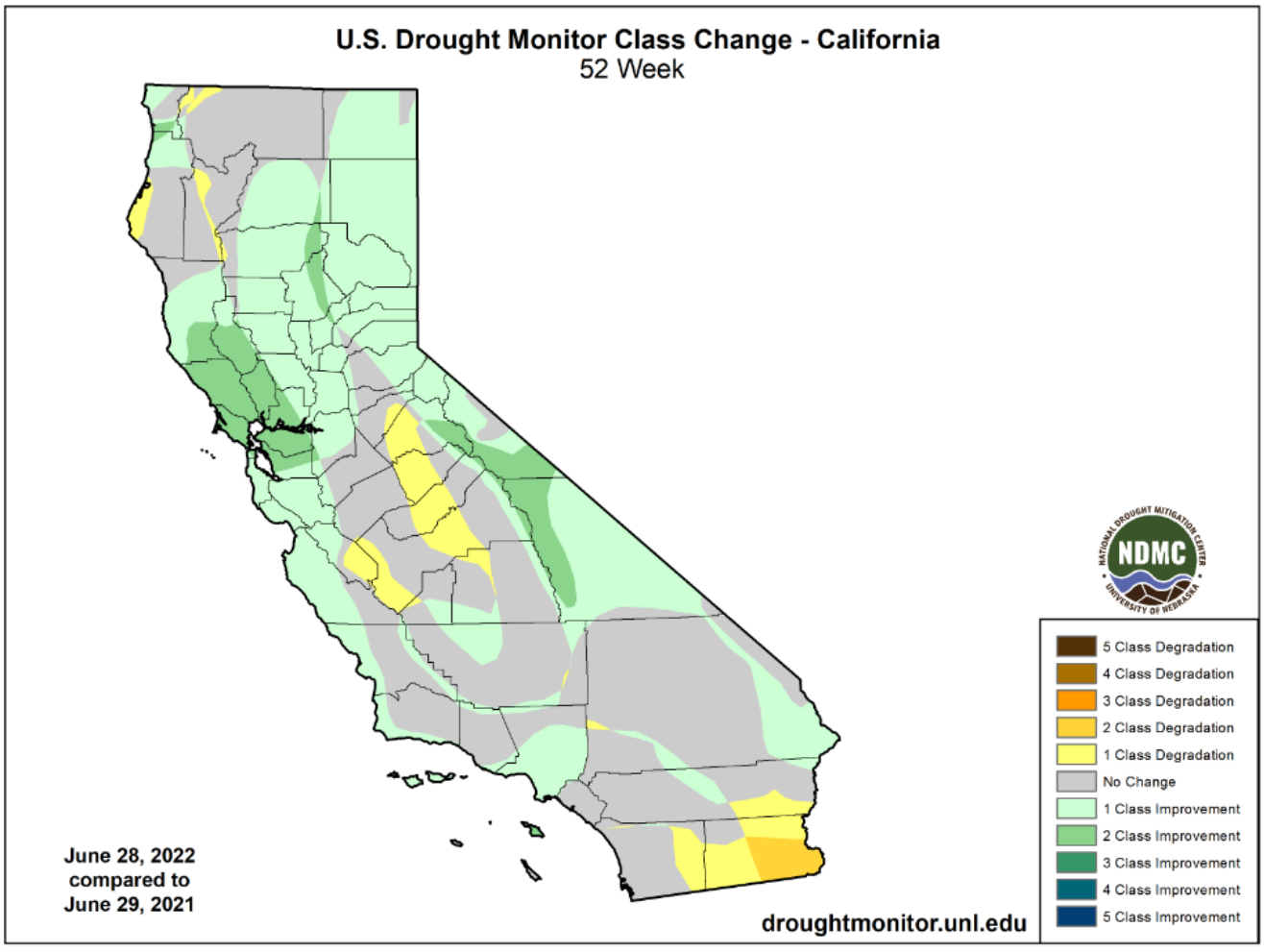
Weather conditions within the City of Riverside showed that June of 2022 was warmer by 2 degrees from June last year and experienced a decrease of 0.13 inches of rainfall compared to June 2021.

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 and improvement or degradation in the drought conditions throughout the State between June 2021 and June 2022.


Drought Classification
None
D0 (Abnormally Dry)
D1 (Moderate Drought)
D2 (Severe Drought)
D3 (Extreme Drought)
D4 (Exceptional Drought)
No Data
June 29, 2021
June 28, 2022


U.S. Drought Monitor Class Change - California
52 Week
June 28, 2022
compared to
June 29, 2021
droughtmonitor.unl.edu
NDMC
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

There were no significant events for the water system in June 2022.

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. With slightly less demand, the demand reduction for June 2022 is about 6% compared to June of last year.

Reporting Month	Jun-22	Jun-21
County Under Drought Declaration	Yes	No
Water Shortage Contingency Plan Level	2	1
Residential Use Percentage	59%	60%
CII Water (AF)	2,256	2,296
Commercial Agricultural Water (AF)	126	125
Total Potable Water Production (AF)	6,383	6,773
Estimated R-GPCD (Residential and CII only)	131	138
Target Savings	15%	-
Actual Savings (Residential and CII only)	**6%**	**-**
Recycled Water (AF)	20	23

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 11 feet in the Bunker Hill Basin compared to June of last year. Water levels in the Rialto-Colton Basin decreased by 2 feet compared to June of last year. Water levels in the Riverside North Basin decreased by 4 feet while water levels in the Riverside South Basin remained relatively unchanged compared to June of last year.