



MEMORANDUM

DATE: October 4, 2021

TO: Drew McIntyre, Technical Advisory Committee Chair

FROM: Paul Piazza, Water Use Efficiency Manager, Sonoma Water

SUBJECT: NOVEMBER / DECEMBER WATER SHORTAGE ALLOCATIONS

On May 14, 2021, Sonoma County Water Agency (Sonoma Water) filed a Temporary Urgency Change Petition (TUCP) with the State Water Resources Control Board (State Board) requesting reductions to Russian River instream flows to preserve storage in Lakes Mendocino and Sonoma. The State Board Order WR 2021-0056-EXEC (Order) approving the TUCP included Term 11 stating Sonoma Water and its Water Contractors shall ensure a 20 percent reduction of Russian River diversions from July 1 through December 10, 2021, as compared to the same period of the previous year.

On May 3, 2021, the Water Advisory Committee (WAC) approved a Temporary Allocation of water for the four-month period July through October 2021 while work to approve a new allocation methodology and model was completed. The Temporary Allocation used the 2014 Water Shortage Allocation Model to develop the aggregate amount of water available for the Water Contractors under the specified shortage condition and then applied the shortage allocation such that each Water Contractor received the same percentage reduction. The Temporary Allocation of water provided a monthly target and four-month aggregate limit on Sonoma Water deliveries between July through October, 2021 based on a 20% reduction in Russian River diversions from the prior year.

On September 13, 2021, the WAC approved the Update to the 2014 Water Shortage Allocation Methodology as the Alternate Allocation Methodology to allocate water throughout the current drought. Using the approved Alternate Allocation Methodology, Sonoma Water has developed Water Contractor allocations for the remaining term of the Order, shown in the table on page 3. This includes a monthly target for November and December and a 40-day aggregate limit on Sonoma Water Russian River deliveries between November 1 and December 10, 2021. Since the Order expires December 10, 2021, providing a monthly target for all of December (beyond December 10th) is meant to be informational only. The allocations are based on a 20 percent reduction in Russian River diversions from the prior year, and include the following additional supply assumptions:

- Beginning October 8, 2021, additional new supply of one million gallons per day (1.0 MGD) of groundwater from Sonoma Water's rehabilitated Santa Rosa Plain well at Todd Road.
- Reallocation of two percent previously saved Russian River supply based on the cumulative 22 percent Russian River diversion reductions (above the required 20-percent reductions) achieved by the Water Contractors from July through September 2021 (335 AF). All of this supply reallocation is included in the 40-day period from November 1 through December 10, 2021. No supply reallocation is included for the remainder of the month of December (December 11th – 31st).

The water shortage allocations provided by Sonoma Water for November and December may be revised if needed to account for final changes in Russian River diversion reductions achieved by the Water Contractors through October 2021, and which are not yet available to include in these modeled allocations. Sonoma Water will continue to monitor and provide bi-monthly Russian River diversion reduction reports to the Water Contractors to assist with meeting allocation goals.

November – December Water Contractor Allocations

	November, mgd Target	December, mgd Target (a)	December, mgd Target (b)	Total 40 days allocation, ac-ft (c)
Contractors				
Santa Rosa	15.56	11.83	11.41	1,796
North Marin Water District	5.36	4.42	3.91	629
Petaluma	5.94	4.82	4.39	695
Rohnert Park	2.38	1.63	1.35	269
Valley of the Moon WD	1.65	1.26	1.08	191
Sonoma	1.12	0.86	0.73	129
Cotati	0.47	0.21	0.21	50
Windsor	2.74	2.08	2.08	316
Marin Municipal Water District	4.48	6.33	5.67	607
Other Agency Customers (Includes FWD)	0.65	0.61	0.54	78
Russian River Customers	0.06	0.04	0.04	7
Transmission System Losses (3%)	1.17	1.00	0.91	139
Total	41.59	35.07	32.31	4,905

(a) Allocations for December 1 to 10
 with reallocated saved water.

(b) Allocations for December 11 to 31 assuming continued supply reduction.

(c) Consists of 4,447 ac-ft of base surface water, 335 ac-ft of reallocated water, and 123 ac-ft of groundwater.