

MEMORANDUM

To: Water Advisory Committee

April 28, 2021

From: Drew McIntyre, TAC Chair

Subject: Approve – Temporary Allocation of Water Deliveries – Summer 2021

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Background

The April 5th Special WAC meeting included an update on the history of SCWA water shortage allocations since 2007. The allocation of water during shortage conditions is described in the 2006 Restructured Agreement for Water Supply executed between SCWA and the eight Water Contractors. In particular, Section 3.5 of the Restructured Agreement describes a specific approach to allocate water during water shortage conditions. An annual shortage allocation model was initially developed in 2006 for SCWA using the methodology described in the Restructured Agreement and subsequently adopted by the SCWA Board of Directors the same year.

In 2007 and 2009 different versions of an allocation methodology were used by SCWA to reduce Russian River deliveries. Section 3.5 of the Restructured Agreement also allows the Water Contractors, by unanimous vote, to determine an alternate allocation methodology. The WAC utilized this provision to approve an alternate method of allocation among the Water Contractors in 2007 but elected not to do so in 2009.

In 2010, SCWA began working with the Water Contractors to develop a new annual water shortage allocation methodology. In 2014, the WAC temporarily approved a new SCWA Water Shortage Allocation Methodology (2014 Methodology) that had a termination date of July 1, 2016. From 2014 through July 1, 2016, the Water Contractors worked to finalize the 2014 Methodology without success. Upon expiration of the 2014 Methodology, the adopted methodology reverted back to the 2006 shortage allocation model in place.

In 2021, SCWA staff and TAC members are meeting once again to build upon the successful work that led to the WAC's approval of the 2014 SCWA Water Shortage Allocation Methodology with the goal to once again have an updated allocation methodology ready for WAC approval as early as the August WAC meeting. In the interim, a temporary allocation of water is being proposed for unanimous WAC approval to meet the immediate needs to equitably allocate water between the Water Contractors during reduced deliveries this summer due to low water storage levels in Lake Sonoma. It is anticipated that Lake Sonoma diversions will be reduced 20% in the coming months thereby necessitating a reduction in SCWA water deliveries.

Proposed Temporary Allocation of Water

Until a new allocation model is approved, the TAC proposes a temporary allocation of water that uses the 2014 Water Shortage Allocation Model to develop the aggregate amount of water available for the Water Contractors under a specified shortage condition and then applies the

shortage allocation such that each Water Contractor has the same percentage reduction. The allocation table shown on Page 3 provides a monthly target and four month aggregate limit on SCWA deliveries between July through October, 2021 based on a 20% reduction in diversions from the prior year. The Technical Advisory Committee (TAC) members have shared this information with each respective WAC member so that they are prepared to vote.

Recommendation

That the WAC unanimously approve this Temporary Allocation of water for the four month period from July through October, 2021.

Summer 2021 Water Contractor Allocation

	July, mgd Target	August, mgd Target	September, mgd Target	October, mgd Target	Total 4 month allocation, ac- ft
Contractors					
Santa Rosa	19.17	17.63	15.11	15.05	6,323
NMWD	5.90	6.27	6.15	6.84	2,375
Petaluma	7.36	7.13	6.74	5.78	2,549
Rohnert Park	2.64	2.49	2.12	2.07	880
Valley of the Moon WD	2.74	2.53	2.21	1.93	888
Sonoma	2.12	2.27	1.74	1.66	735
Cotati	0.65	0.63	0.65	0.58	237
Windsor	3.87	3.84	3.65	2.93	1,348
MMWD	4.00	4.00	4.00	5.18	1,623
Other Agency Customers (includes FWD)	0.70	0.64	0.64	0.65	247
Transmission System Losses (3%)	1.42	1.37	1.24	1.24	498
Total	50.57	48.80	44.25	43.90	17,704