



**WATER
AGENCY**

2021 Water Transfer with Mojave Water Agency

April 21, 2021, 7 pm

Zone 7 Board Meeting

2021 Water Supply Operations Plan *(based on demand trends)*

	Source	5% SWP Allocation	2020 (20% Allocation)
		Annual Amt	Annual Amt
Available Supply	State Water Project - (Table A)	4,000	16,100
	State Water Project - Carryover (2020 to 2021)	8,900	10,800
	Yuba/Dry-Year Water Transfer Programs ¹	1,900	3,000
	Lake Del Valle Local Yield - 2020 Carryover	0	8,100
	Other Water Transfers ²	8,100	5,000
	Groundwater Production ³	13,100	11,800
	Groundwater Production (Disposal to brine)	100	400
	Semitropic-(Pumpback)	9,100	1,000
	Semitropic-(Exchange)	0	0
	Cawelo	10,000	0
	Lake Del Valle Local Yield - 2021 Capture	700	900
	Total	55,900	57,100

	Water Use	5% SWP Allocation	2020 (20% Allocation)
		Annual Amt	2020
Planned Usage	Treated Water Delivery Request	42,600	42,000
	Treated Water (Projected Delivery) ⁴	39,000	39,000
	Agricultural	5,200	5,800
	Arroyo Valle Artificial Stream Recharge	0	1,400
	Arroyo Valle Shadow Cliffs Diversion	0	0
	Arroyo Mocho Artificial Stream Recharge	0	0
	Groundwater Production (Disposal to brine)	100	400
	Cawelo Storage ⁵	0	0
	Semitropic Storage ⁵	0	0
	Local Water Carryover	0	0
	State Water Project Carryover (2021 to 2022)	10,600	8,900
	Transfer Water Carriage Water Loss	700	900
	Unaccounted For Water (System Losses)	300	400
	Lake Del Valle Evaporation Losses	0	300
Total	55,900	57,100	

- Critically dry conditions, with Table A allocation at **5% (loss of 4,000 AF in late March)**.
- Maximizing recovery from Kern County banks at 19,100 AF.
- High level of groundwater pumping at 13,100 AF.
- Anticipated need for about **10,000 AF** of water transfers in 2021.
- Demand assumed the same as 2020 for April-December 2021; some conservation already observed for Jan-Mar 2021.
- This would support carryover of about **10,600 AF** of water for 2022.
- Any additional conservation will be a hedge against the challenges expected in 2021; will position us better for 2022.



Options for Water Transfers

Yuba Accord program

- Administered by the Department of Water Resources (DWR) via an existing agreement with Zone 7

Dry Year Transfer Program

- Administered by the State Water Contractors (SWC)

Transfer with another SWP contractor

- Zone 7 can negotiate price and amount of water directly.
- Few sellers this year and limited amounts.
- Mojave Water Agency (MWA) has water available for purchase by Zone 7.

Water Transfer with Mojave Water Agency

- Zone 7 to pay MWA **\$850/acre-foot** (AF), and Zone 7 to pay for the SWP delivery costs for the water delivered to Zone 7,
- Zone 7 to purchase up to **4,490 AF**,
- By May 7, 2021, MWA to provide written notice to Zone 7 of the final quantity of Table A water to be made available to Zone 7 for delivery in 2021,
- MWA and Zone 7 to be responsible for their own internal and/or transaction costs,
- MWA to assist Zone 7 with the request to DWR for approval of the transfer and CEQA compliance, and
- Transfer of MWA's Table A water to Zone 7 to occur as soon as the Change in Point of Delivery agreement between Zone 7, MWA, and Department of Water Resources is executed.



Water Transfer Cost and Funding

- Funding for water purchases comes from Fund 100 - Water Enterprise Operations.
- The FY 2021-22 Fund 100 Adopted Budget includes:
 - \$990,000 for water purchase under the Yuba Accord and
 - \$1,200,000 for a separate water transfer
 - Total = \$2,190,000 for water transfer purchases.
- Estimated MWA water transfer cost:
 - 4,490 AF of water at \$850/ AF = \$3.82 M
- Any additional funds needed for water transfers will be appropriated in the Mid-Cycle Budget Amendment for FY 2021-22, to be presented to the Board in June 2021.



Recommended Action

Authorize the General Manager to negotiate and execute an agreement with MWA for a water transfer for a cost of \$850/AF and water transfer amount of up to 4,490 AF for a total purchase cost not exceeding \$3,820,000.



Questions..?

