

Zone 7 Water Agency

Updated Water Operations Plan October 2020
General Water Supply & Use Plan

		20% SWP Allocation	2019 Actuals (75% Alloc.)
Available Supply	Source	Annual Amt	Annual Amt
	State Water Project - (Table A)	16,100	60,500
	State Water Project - Carryover (2019 to 2020)	10,800	2,600
	Yuba Transfer ¹	3,000	0
	Lake Del Valle Local Yield - 2019 Carryover	8,100	1,200
	Other Water Transfers ¹	5,000	0
	Groundwater Production ²	11,700	10,400
	Groundwater Production (Disposal to brine)	400	400
	Semitropic-(Pumpback)	1,000	0
	Semitropic-(Exchange)	0	0
	Cawelo	0	0
	Lake Del Valle Local Yield - 2020 Capture	600	8,100
	Total	56,700	83,200

		20% SWP Allocation	2019 Actuals (75% Alloc.)
Planned Usage	Water Use	Annual Amt	2019
	<i>Treated Water Delivery Request</i>	40,200	38,300
	Treated Water (Projected Delivery) ³	39,100	36,200
	Agricultural	5,400	4,500
	Arroyo Valle Artificial Stream Recharge	1,400	1,500
	Arroyo Valle Shadow Cliffs Diversion	0	500
	Arroyo Mocho Artificial Stream Recharge	0	1,800
	Groundwater Production (Disposal to brine)	400	400
	Cawelo Storage ⁴	0	10,000
	Semitropic Storage ⁴	0	8,900
	Local Water Carryover	0	8,000
	State Water Project Carryover (2020 to 2021)	9,200	10,800
	Transfer Water Carriage Water Loss	900	0
	Lake Del Valle Evaporation Losses	300	600
	Total	56,700	83,200

Footnotes: ¹ Yuba and non-SWP transfers are subject to carriage losses of 25% to 35% which reduce net yield.

² Local Groundwater non-emergency storage is 122 TAF

³ Zone 7 adjusts the Treated Water Delivery Request to reflect hydrology and recent trends.

⁴ Kern Banks Groundwater Storage Bal is 117 TAF (Oct 2020)

Zone 7 Water Agency

Updated Water Operations Plan October 2020

Estimated Supply Cost				Actual Costs
Water Supply Type	Conveyance	Water	20% SWP Allocation	2019 ³ (75% Allocation)
			Cost, \$	Cost, \$
	Cost, \$/AF	Cost, \$/AF	Cost, \$	Cost, \$
State Water Project	60	0	\$ 1,062,000	\$ 1,839,600
Yuba Transfer ¹	60	\$200-\$350	\$ 1,101,000	\$ -
Other Transfers ¹	60	230	\$ 1,450,000	\$ 90,000
Semitropic ²	Recover	35	\$ 645,000	\$ -
	Store	25	\$ -	\$ 867,000
Cawelo ²	Recover	60	\$ -	\$ -
	Store	25	\$ -	\$ 920,000
Lake Del Valle	Supply	0	\$ 8,000	\$ 8,000
Total³			\$ 4,266,000	\$ 3,724,600

¹ Yuba and non-SWP transfers are subject to carriage losses of 25% to 35% which reduce net yield.

² Semitropic and Cawelo include SWP conveyance costs, Operations & Maintenance and banking fees.

Semitropic Operations & Maintenance cost of \$450k is a fixed cost included in all planning cost estimates.

³ Actual costs for 2019 are updated with best available data. Table A allocation was 75% in 2019.