



Supply and Demand Report for
Western Water System (Zone 6)
August 5, 2021 Board Meeting

Supply Summary	Acre Feet (AF)
PG&E Western Water System	100,400
PG&E Zone 3	25,000
Canyon Creek Water Rights ⁽⁸⁾	3,400
PCWA Middle Fork Project ⁽⁷⁾	35,500
NID Deliveries to Foothill WTP	1,920
Total Supply	166,220

Untreated Water Supply and Demand Summaries

Lower Untreated Water System	AF
Supply	141,220.00
Baseline Demand	
Realized (2020) ⁽³⁾	90,574.60
Realized Zone 5 (2020) ⁽³⁾	14,484.70
Committed Demand	
Bickford Ranch	1,538.50
Auburn-Bowman ⁽⁴⁾	2,332.86
Foothill-Sunset-Ophir ⁽⁴⁾	8,921.99
Total Committed Demand	12,793.35
Total Baseline Demand	117,852.65
Commitments Post 2020	
Since Baseline ⁽⁵⁾	1,166.76
Requests this Meeting	90.50
Total Commitments Post 2020	1,257.26
Remaining Supply upon approval of requests at this meeting.	22,110.09

Upper Untreated Water System (Zone 3)	
Supply	25,000.00
Baseline Demand	
Realized (2020)	10,719.50
Committed Demand	
Alta ⁽⁴⁾	168.59
Monte Vista ⁽⁴⁾	29.69
Colfax ⁽⁴⁾	245.33
Applegate ⁽⁴⁾	11.99
Total Committed Demand	455.59
Total Baseline Demand	11,175.09
Commitments Post 2020	
Since Baseline ⁽⁵⁾	71.43
Requests this Meeting	13.57
Total Commitments Post 2020	85.00
Remaining Supply upon approval of requests at this meeting.	13,739.90

Lower Treated Water Systems			
	Foothill-Sunset-Ophir ⁽⁷⁾		Auburn-Bowman
Total Capacity	65.000 MGD		15.000 MGD
Baseline Demand			
Realized (Summer 2020)	49.071 MGD		10.835 MGD
Committed Demand ⁽¹⁾	10.529 MGD	9,156.00 UOC	0.948 MGD 824.40 UOC
Total Baseline Demand	59.600 MGD		11.783 MGD
Commitments Post 2020			
Since Baseline ⁽²⁾	1.201 MGD	1,044.47 UOC	0.098 MGD 85.47 UOC
Requests this Meeting	0.016 MGD	14.20 UOC	0.000 MGD 0.00 UOC
Total Commitment	1.217 MGD		0.098 MGD
Remaining Supply after approval of requests at this meeting:			
Based on Normal Capacity	4.182 MGD	3,636.60 UOC	3.119 MGD 2,711.90 UOC

Upper Treated Water Systems							
	Applegate		Colfax	Monte Vista		Alta	
0.071 MGD			1.244 MGD	0.102 MGD		0.512 MGD	
0.050 MGD			0.806 MGD	0.049 MGD		0.211 MGD	
0.004 MGD	3.40 UOC		0.069 MGD	60.00 UOC	0.004 MGD	3.10 UOC	0.017 MGD 14.90 UOC
0.054 MGD			0.875 MGD	0.053 MGD		0.228 MGD	
0.002 MGD	2.00 UOC		0.040 MGD	35.00 UOC	0.000 MGD	0.00 UOC	0.001 MGD 1.00 UOC
0.000 MGD	0.00 UOC		0.000 MGD	0.00 UOC	0.000 MGD	0.00 UOC	0.000 MGD 0.00 UOC
0.002 MGD			0.040 MGD	0.000 MGD		0.001 MGD	
0.015 MGD	13.20 UOC		0.329 MGD	285.80 UOC	0.049 MGD	43.00 UOC	0.283 MGD 245.80 UOC

Footnotes:

(1) This amount is unrealized demand pre-purchased by the City of Lincoln under their water supply contract and connections made shortly before the baseline time such that they are not reflected in the baseline demand.

The Foothill-Sunset-Ophir System unrealized demand amounts are 4.528 MGD for the City of Lincoln, 0.400 for Cal-Am, 4.294 for the drought rebound*, and 1.308 MGD for connections that were not in the baseline demand.=

The Auburn-Bowman System unrealized demand amount is 0.056 MGD for connections that were not in the baseline demand. All other systems had all existing connections in the baseline demand.

*Drought Rebound: The estimated amount of treated water our retail system anticipates to recover after temporary conservation was achieved during the 2014-2016 drought.

(2) Includes Board approved Facilities agreements since 1/1/2019 and Infill requests since 1/1/2020 to compensate for demand not yet realized.

(3) 2020 was used as the baseline demand. Zone 5 demand fluctuated between 4,014 - 14,485 AF between 2015 and 2020. This is supplemental PG&E water subject to full deliveries to Zone 1 and 3.

(4) Reservation of untreated water for treatment plant build out of Alta at 0.512 MGD, Monte Vista at 0.102 MGD, Colfax at 1.244 MGD, Applegate at 0.071 MGD, Foothill at 60 MGD, Sunset at 5 MGD, Auburn at 8 MGD, and Bowman 7 MGD.

(5) Includes Board approved untreated water requests since 1/1/2020 to compensate for demand not yet .

(6) Ophir WTP and associated infrastructure are planned facilities included within the Agency's Water Connection Charge (WCC) program. The capacity gained from Ophir WTP will be added to this report once the plant is constructed and operational.

(7) PCWA Middle Fork Project (MFP) water supply to City of Roseville, San Juan Water District and others is delivered to Folsom Reservoir for diversion.

(8) Canyon Creek Water Right varies annually based on snow pack and flows in the creek. This water right can be used anywhere in western Placer County; however, it is shown here to be assigned to the Lower Untreated Water System.