

Water Supply Update

Board of Directors Meeting

January 22, 2019

Water Supply Briefing

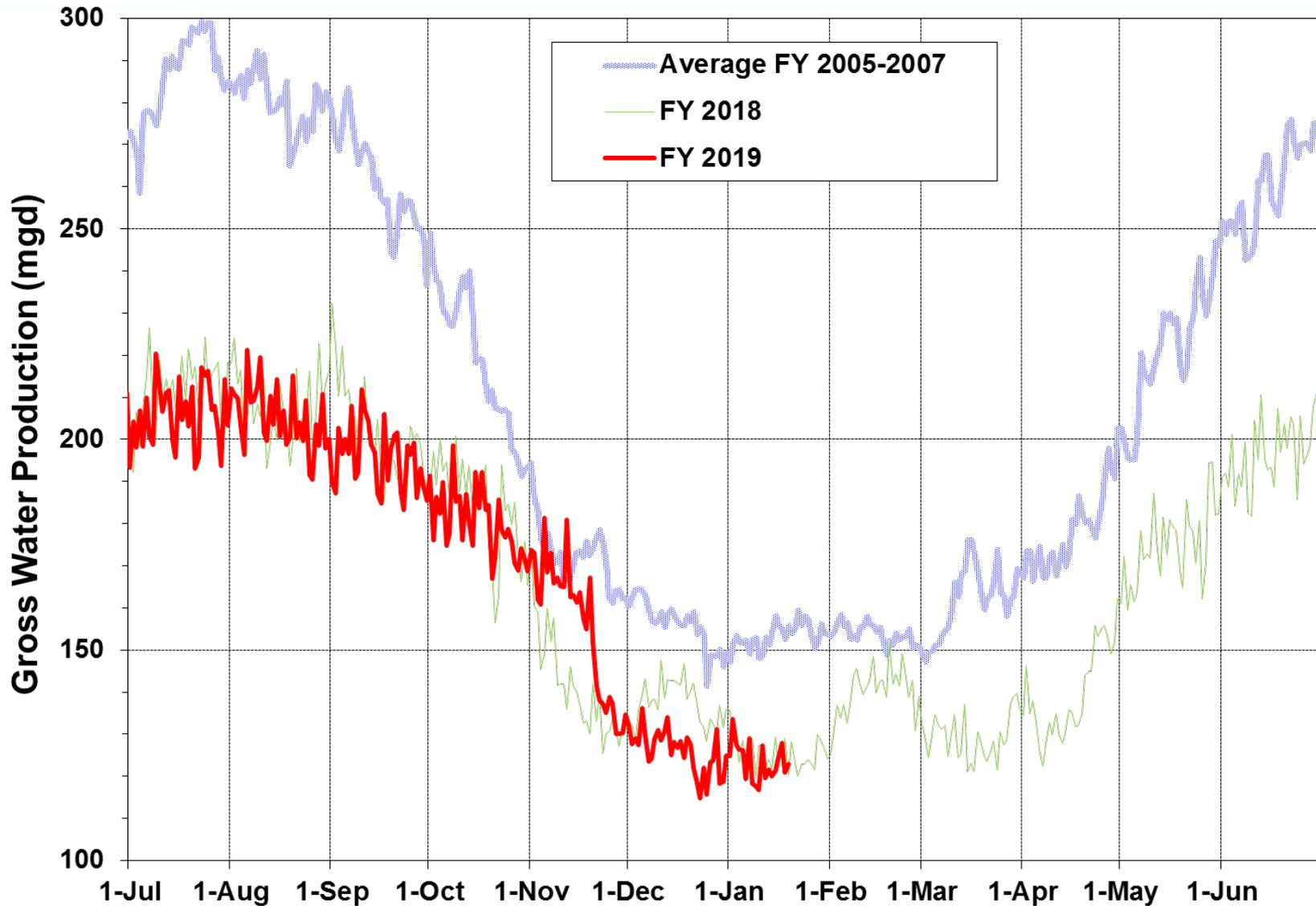


- Current Water Supply
- Water Supply Projections



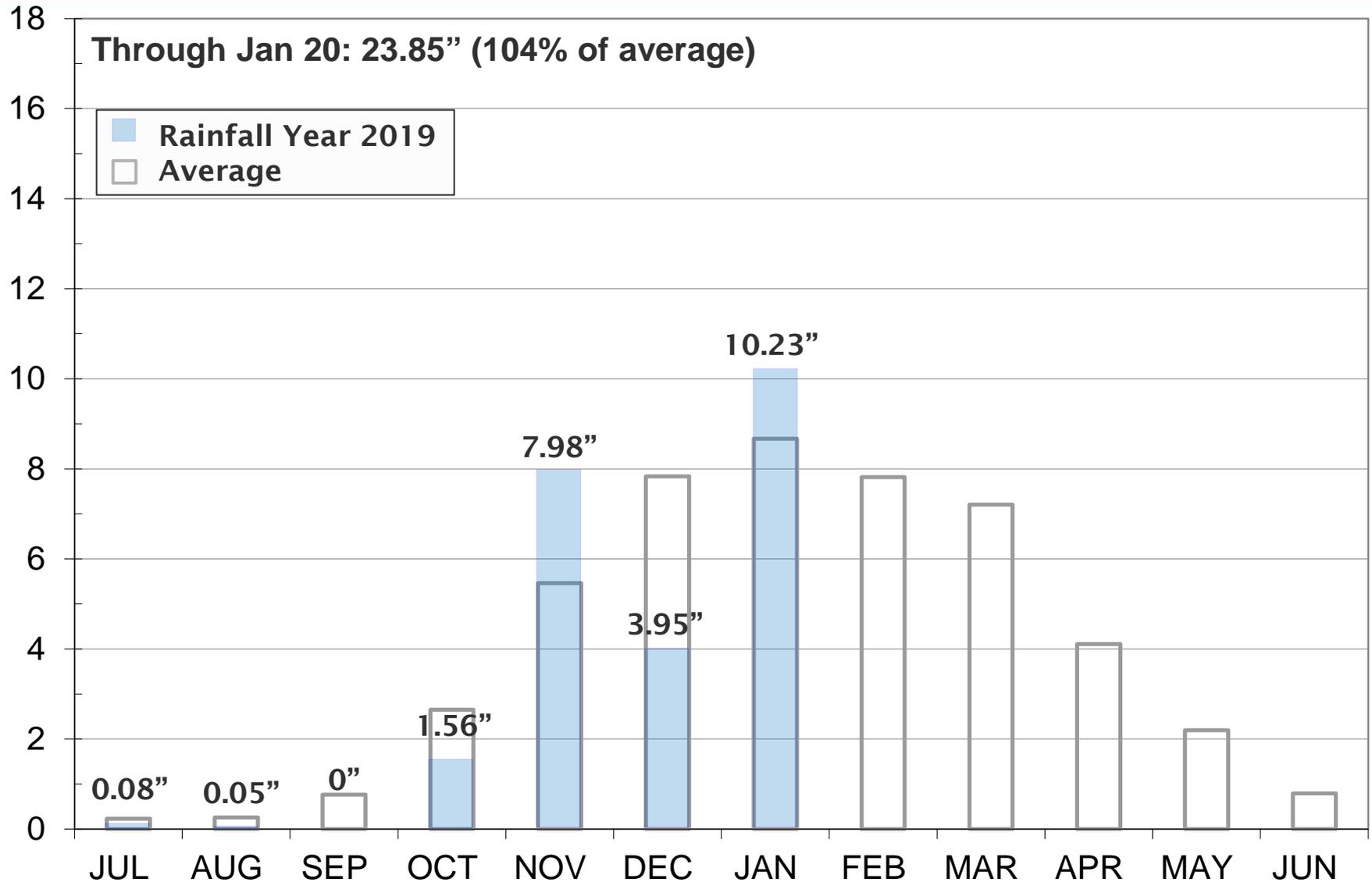
Current Water Supply

Gross Water Production



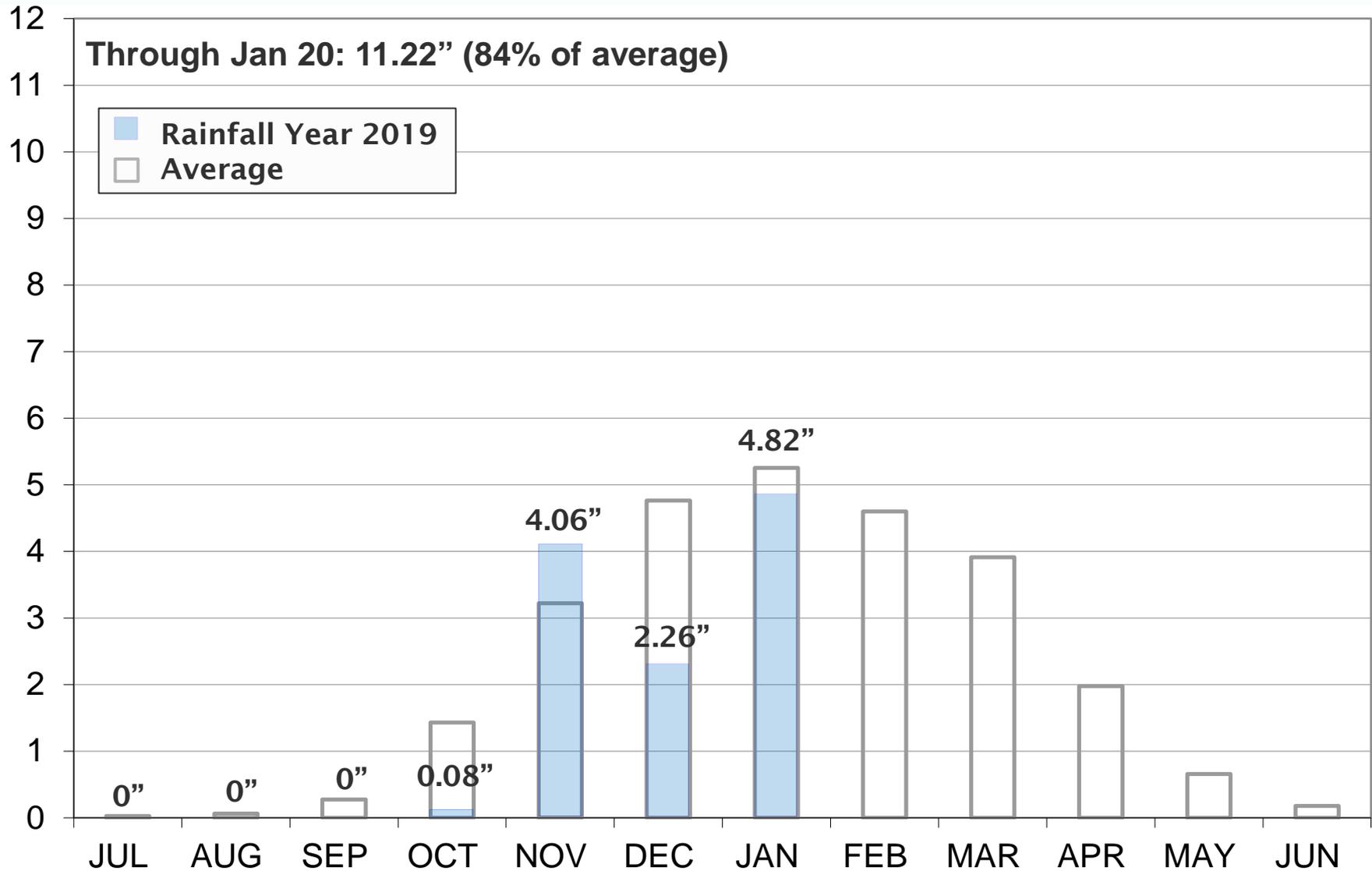
Current Water Supply

Mokelumne Precipitation



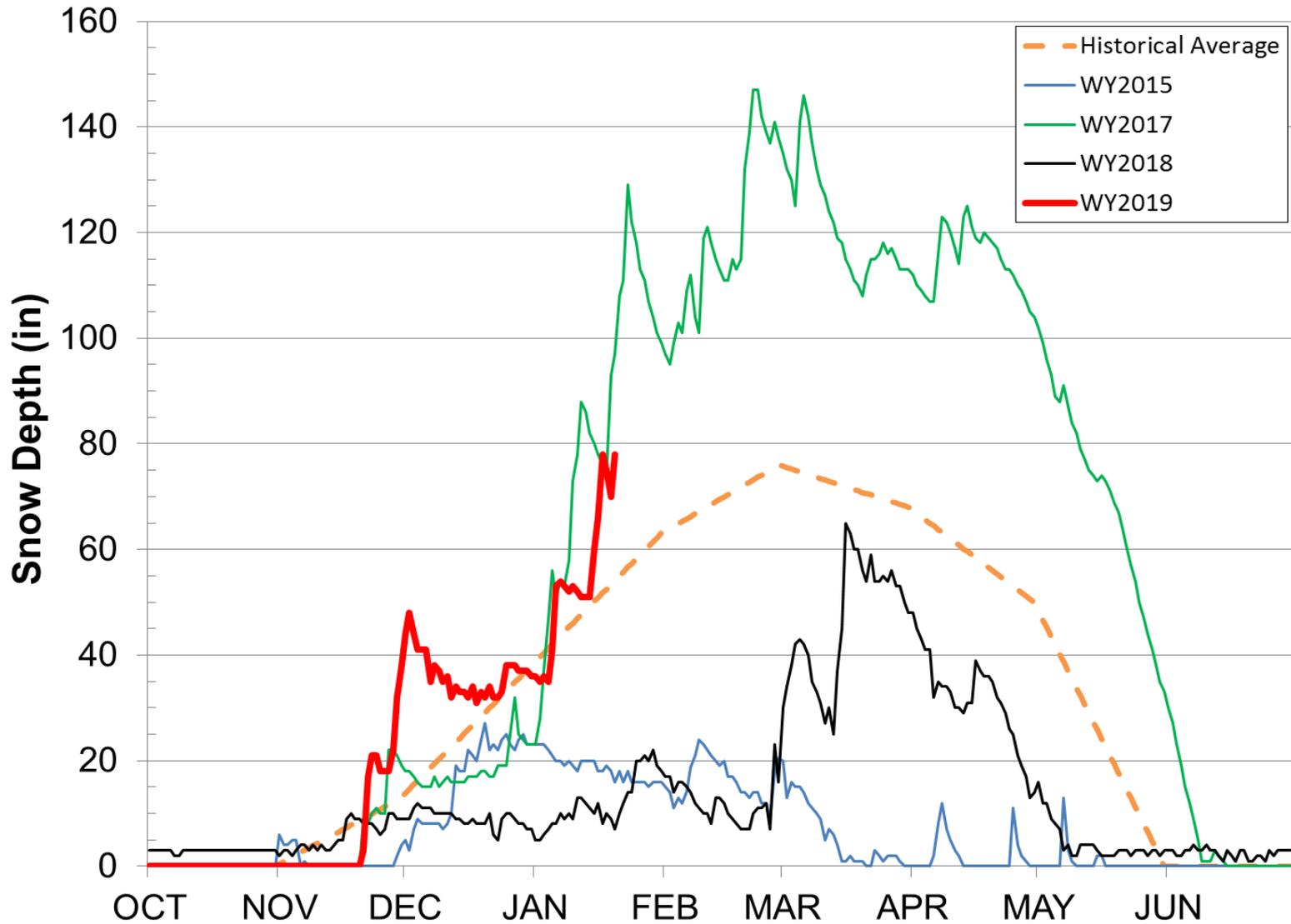
Current Water Supply

East Bay Precipitation



Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Snow



As of Jan. 20, 2019	Cumulative Precipitation	% of Average
Caples Lake Snow Depth	78”	144%
Caples Lake Snow Water Content	24.3”	143%

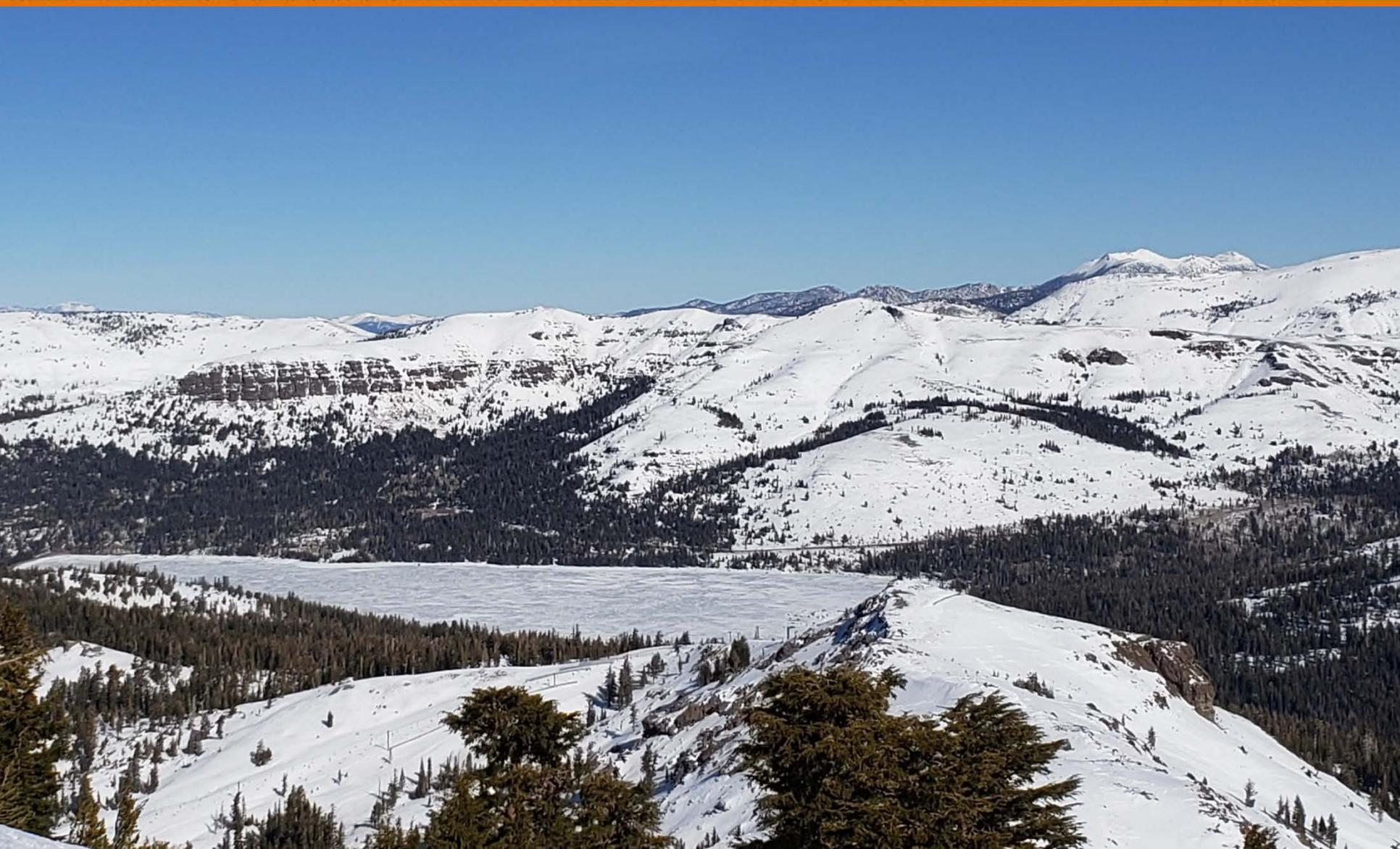
Current Water Supply

Reservoir Storage



As of 1/20/2019	Current Storage	Percent of Average	Percent of Capacity
Pardee	189,310 AF	106%	93%
Camanche	315,200 AF	122%	76%
East Bay	114,820 AF	93%	76%
Total System	619,330 AF	110%	80%

Questions ?



WATER SUPPLY ENGINEERING DAILY REPORT

Monday, January 21, 2019

RESERVOIR STORAGE AND ELEVATION

	<u>WATER SURFACE</u>		<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>		Release <u>Cfs</u>	Spill <u>Cfs</u>
	Elevation <u>Feet</u>	+Gain <u>-Loss</u>	+Gain <u>Ac-Ft</u>	-Loss <u>Ac-Ft</u>	Elevation <u>Feet</u>	Storage <u>Ac-Ft</u>		
<u>MOKELUMNE</u>								
Pardee	561.52	0.52	190420	1110	567.65	203795	1036	0
Camanche	221.13	0.14	316120	920	235.5	417120	501	0
<u>EAST BAY</u>								
Briones	554.56	0.02	44710	10	576.14	58960	0	0
Chabot	224.05	0.02	9290	10	227.25	10350	0	0
Lafayette	438.89	0.01	3040	0	449.16	4250	0	0
San Pablo	303.51	0.03	29930	20	313.68	37915	0	0
Upper San Leandro	444.08	0.19	<u>28000</u>	<u>110</u>	459.98	<u>38905</u>	0	0
Total East Bay Res.			<u>114970</u>	<u>150</u>		<u>150380</u>		
TOTAL SYSTEM STORAGE			621510	2180		771295		

DISTRIBUTION SYSTEM		
<u>DISTRIBUTION RESERVOIRS</u>		
	Storage <u>MG</u>	Operating <u>Capacity</u>
Today	341	720
Total Previous Day	<u>332</u>	
Total Change	9	
<u>WATER PRODUCTION AND DEMAND</u>		
	Million <u>Gallons</u>	Capacity <u>MGD</u>
Lafayette WTP	0	25
Orinda WTP	80	190
San Pablo WTP	0	30
Sobrante WTP	29.6	50
Upper San Leandro WTP	0	45
Walnut Creek WTP	24.3	90
TOTAL SURFACE PRODUCTION	133.9	430
Miscellaneous(Estimated)	0.4	
TOTAL WATER PRODUCTION	<u>134.3</u>	
Change in Distribution System	9	
Wash Water from Distribution Sys.	0.8	
SYSTEM DEMAND	124.5	
East-of-Hills Demand	26	
West-of-Hills Demand	98.5	

MOKELUMNE SYSTEM			
<u>AQUEDUCT DELIVERIES</u>			
	<u>MG</u>	<u>Flow Conditions</u>	
Line 1	38	GRAVITY	
Line 2	85.2	PUMPING	
Line 3	<u>0</u>	<u>SHUTDOWN</u>	
TOTAL	123.2	191 Cfs	
<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>			
Mok 1	0		
Mok 2	<u>0</u>		
	0 MG		
<u>RIVER FLOWS AND RELEASES</u>			
		<u>Cfs</u>	
Mokelumne River Natural Flow		2344	
Pardee Reservoir Inflow		1791	
Pardee Release to Camanche Res.		1036	
Pardee Release to JVID		0	
Camanche Release to Mokel. River		501	
<u>PG&E CO. STORAGE (Acre-feet)</u>			
	<u>Storage</u>	<u>Change</u>	<u>Maximum Capacity</u>
Old Reservoirs	6998	165	26560
Salt Springs Res.	17108	739	141857
Lower Bear Res.	<u>8505</u>	<u>193</u>	<u>52025</u>
Total	32611	1097	220442

RAW WATER TRANSMISSION		
	<u>INPUT</u>	<u>DRAFT</u>
Briones Res.	0	0
San Pablo Res.	58	99
U. San Leandro Res.	0	0
TOTAL	58	99
REMARKS		
WID Canal Diversion = 0 cfs		
Mokelumne River below WID = 422 cfs		

PRECIPITATION (Inches)					
<u>STATION</u>	<u>THIS YEAR</u>			<u>AVERAGE YEAR</u>	
	<u>Today</u>	<u>Month</u>	<u>Season to-Date</u>	<u>Season to-Date</u>	<u>Season Total</u>
USL WTP	0	4.52	11.32	12.93	25.33
Orinda WTP	0.04	7.07	16.84	15.85	32.06
Lafayette Reservoir	0.01	5.12	11.12	14.1	28.18
Walnut Creek WTP	0.01	6.18	13.17	11.56	23.02
Camp Pardee	0	3.59	10.07	10.15	21.56
Salt Springs P.H.	0.56	10.52	23.89	21.84	45.51
<u>CAPLES LAKE (7,830 FT) DATA</u>					
	Today	Average			
Snow Depth	82 Inches	55 Inches			
Water Content	24.9 Inches	17.3 Inches			

PG&E data as of 4:00 pm previous date.
 All other data as of midnight.
 WTP capacities are sustainable rates.