

Water Supply Update

Board of Directors

January 25, 2022

Water Supply Briefing



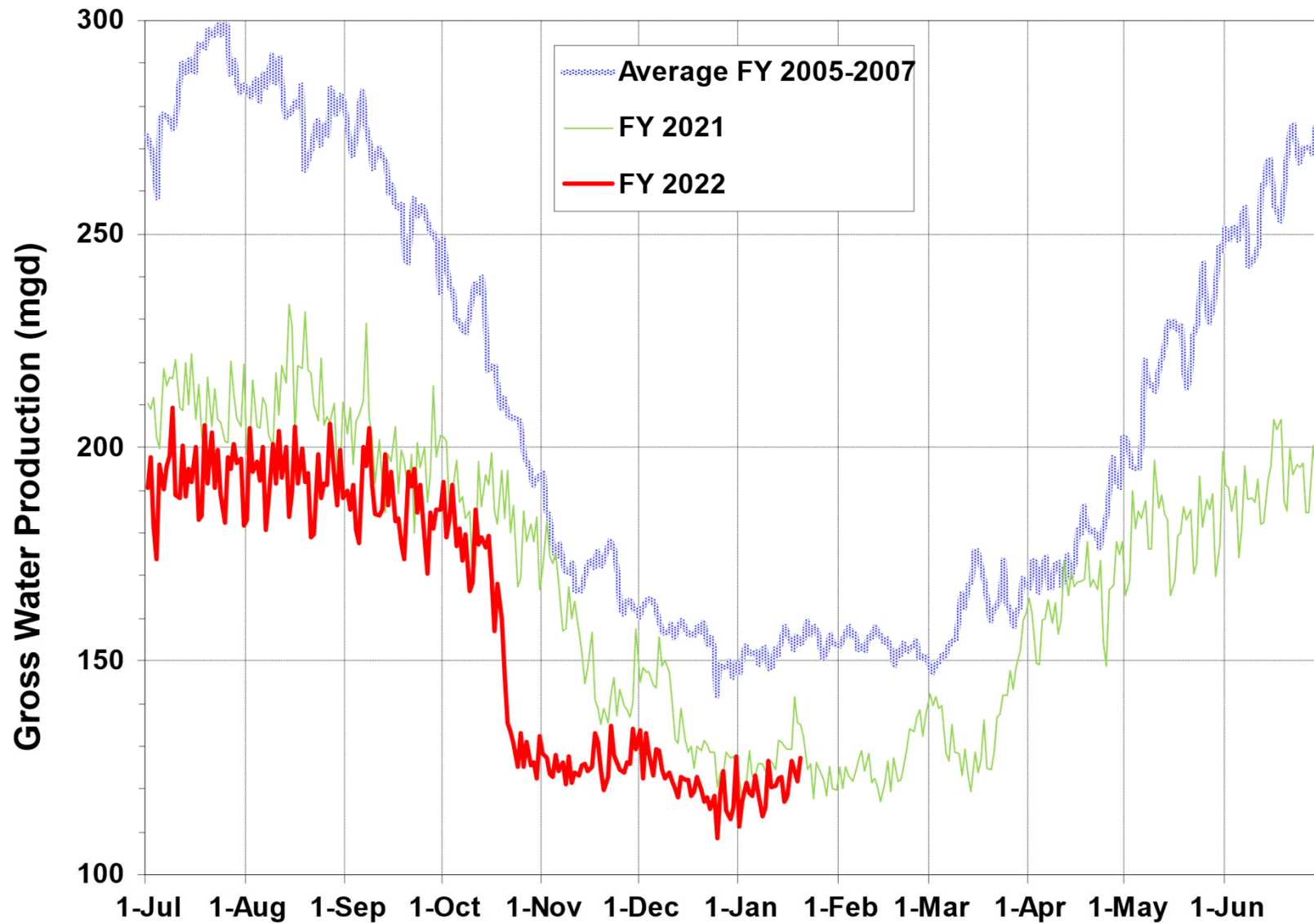
- Current Water Supply
- California Water Supply
- Water Supply Projections



Downstream of Pardee Spillway

Current Water Supply

Gross Water Production

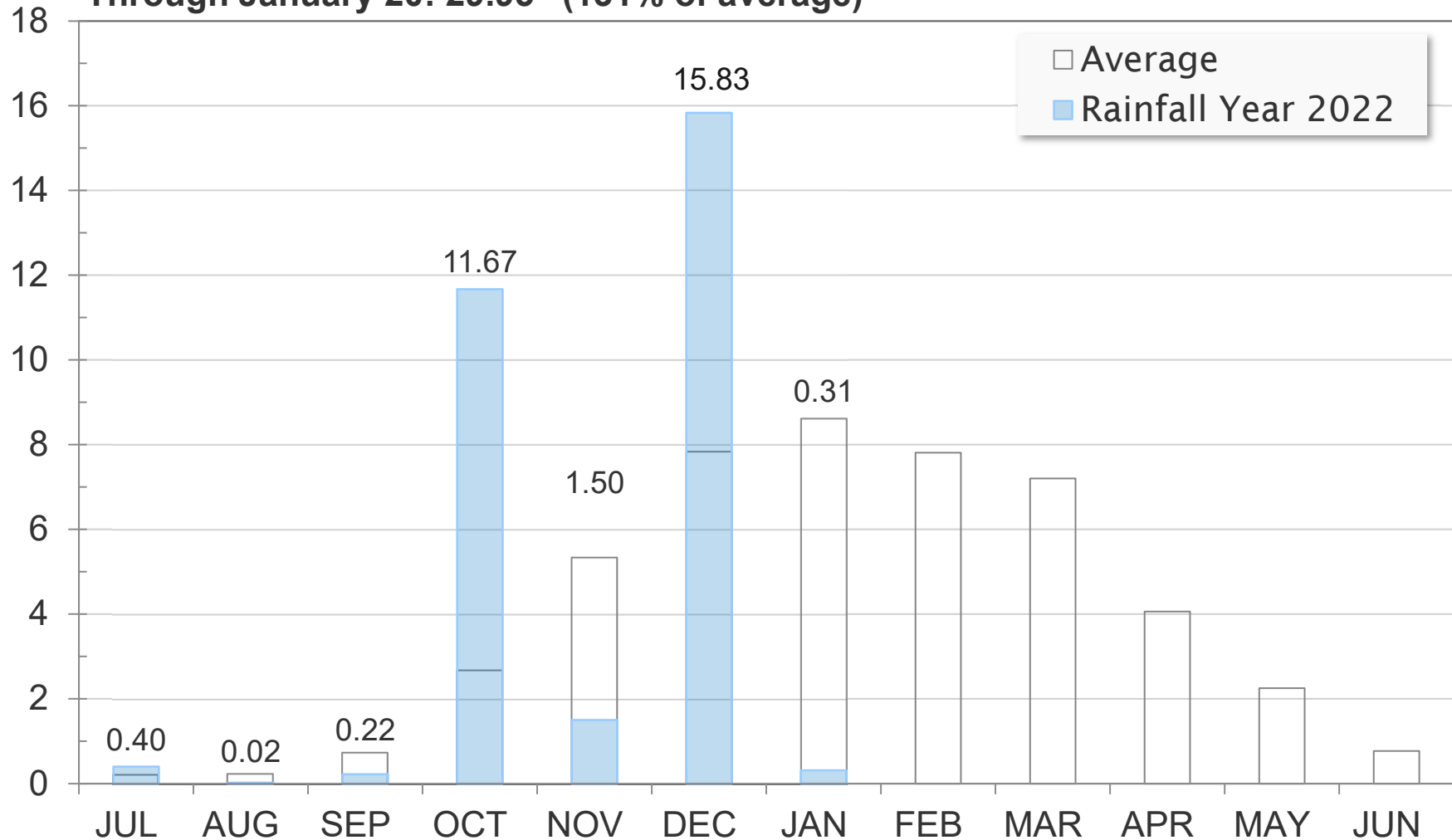


Current Water Supply

Mokelumne Precipitation

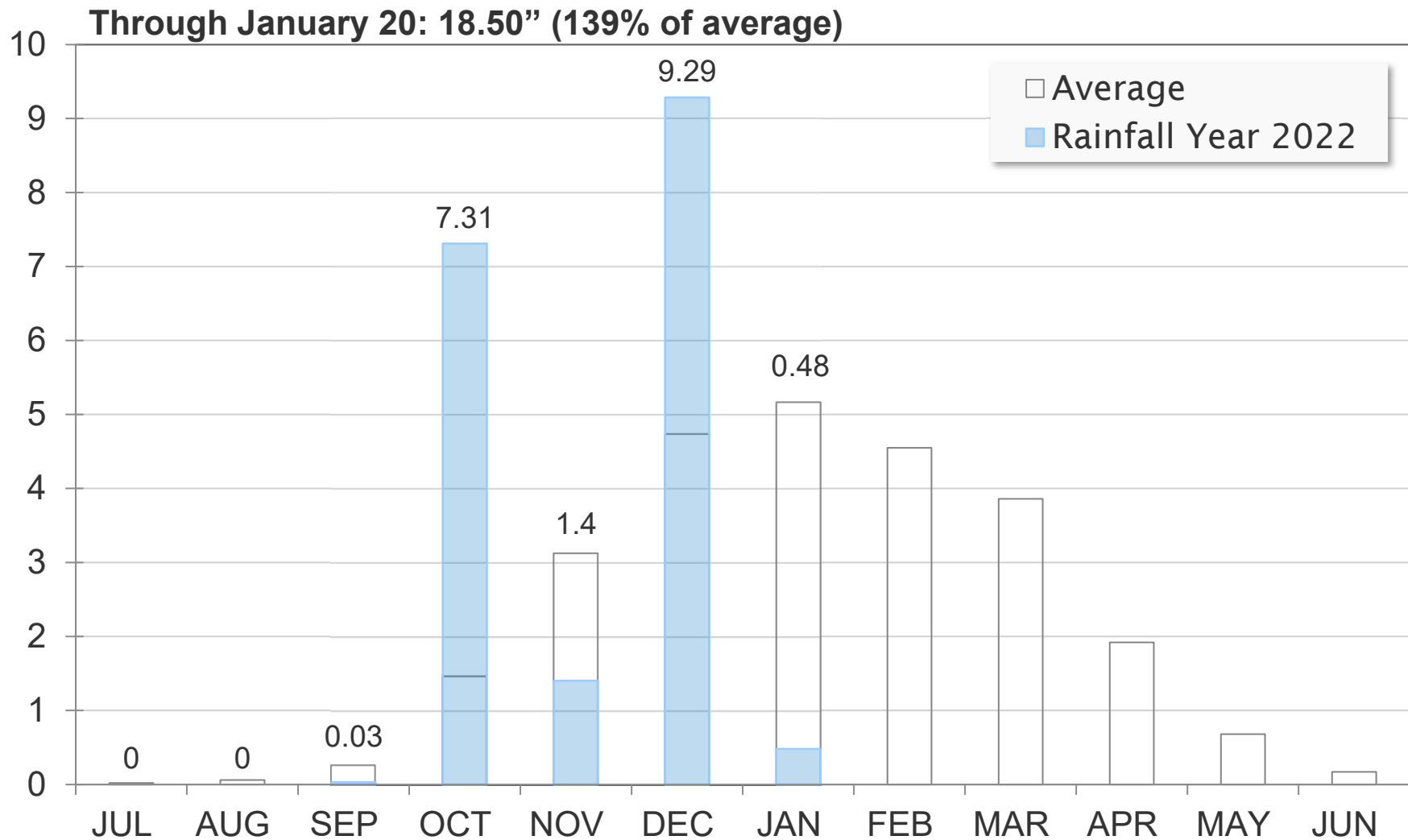


Through January 20: 29.95" (131% of average)



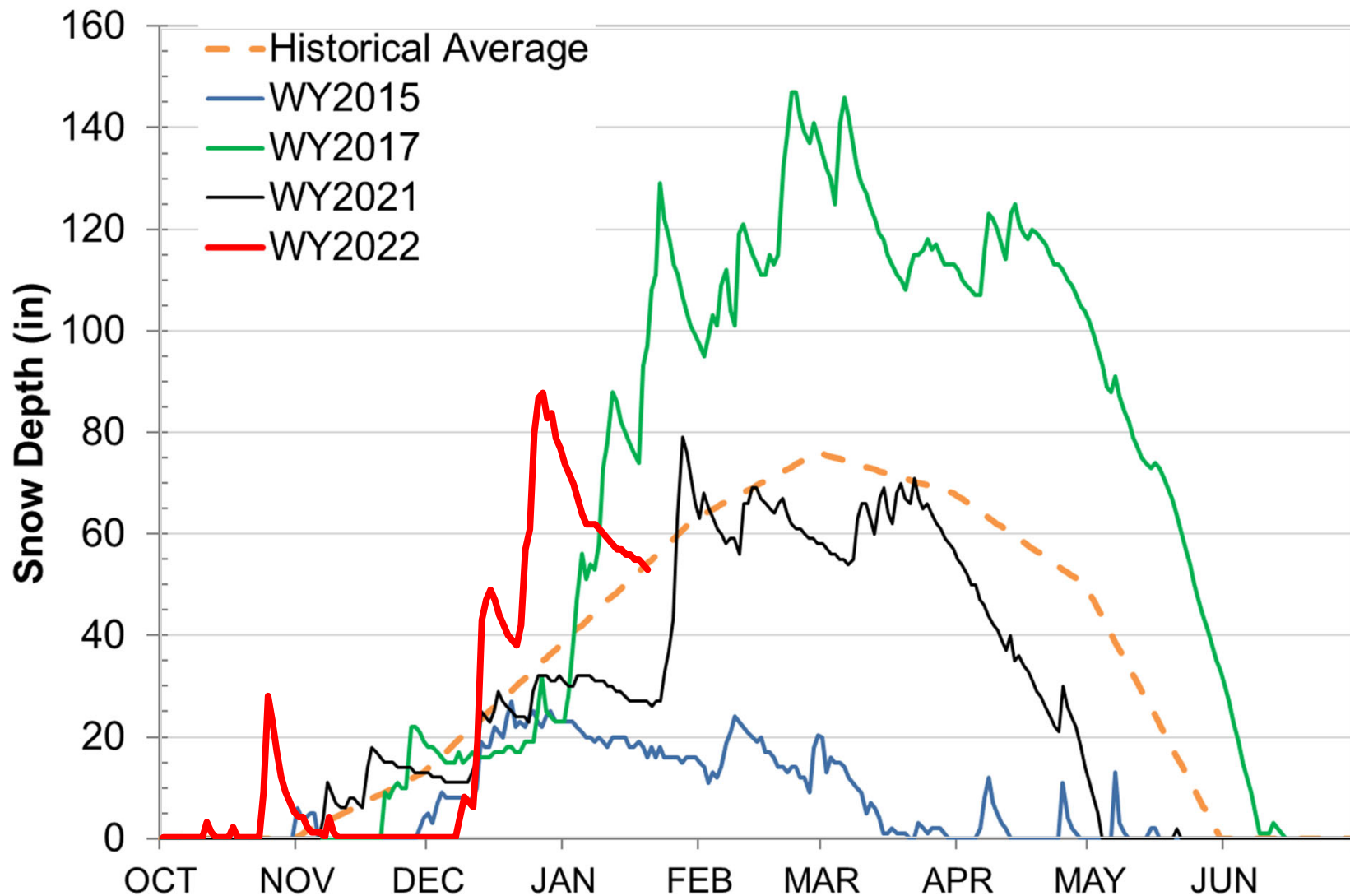
Current Water Supply

East Bay Precipitation



Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Reservoir Storage



Pardee Recreation Area and Jackson Creek Spillway



Camanche Reservoir



Briones Reservoir

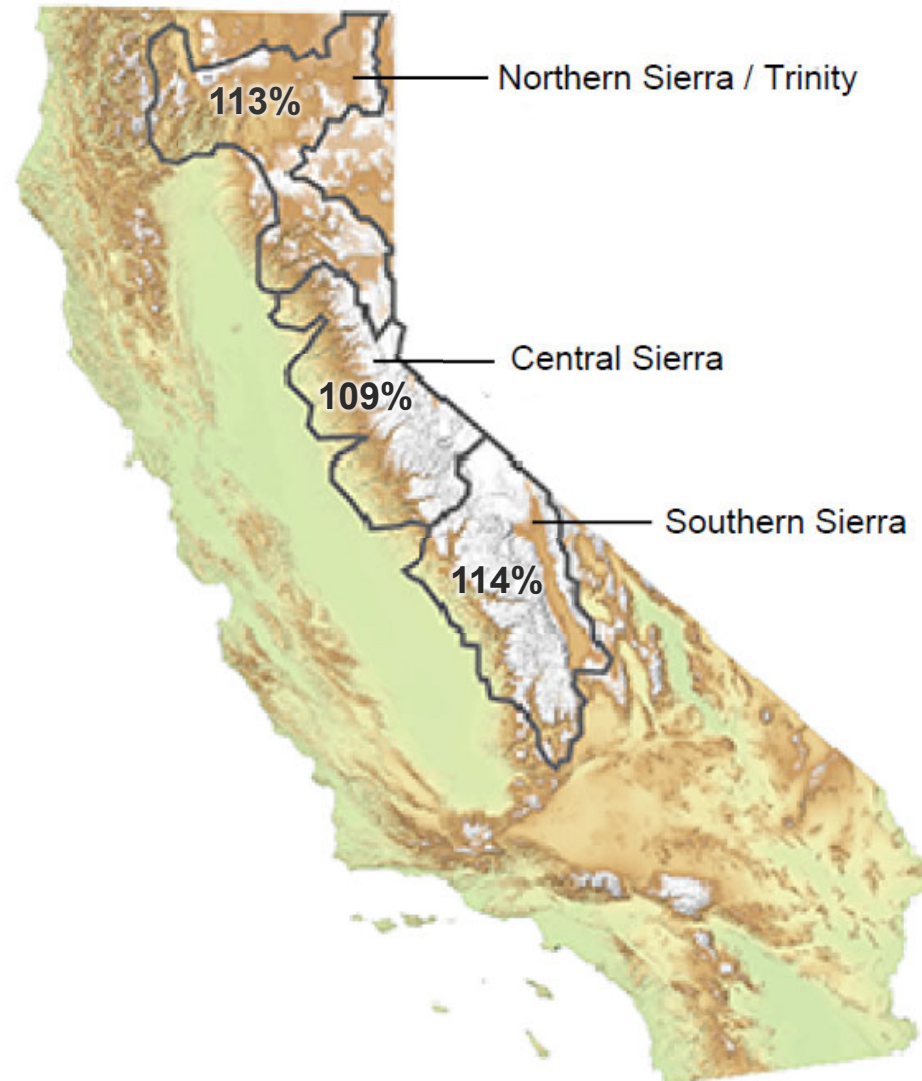
As of Jan. 20, 2022	Current Storage	Percent of Average	Percent of Capacity
Pardee	175,250 AF	98%	86%
Camanche	208,340 AF	80%	50%
East Bay	131,420 AF	106%	87%
Total System	515,010 AF	92%	67%

California Water Supply

Automated Sensor Snow Water Equivalents



% Normal for this Date

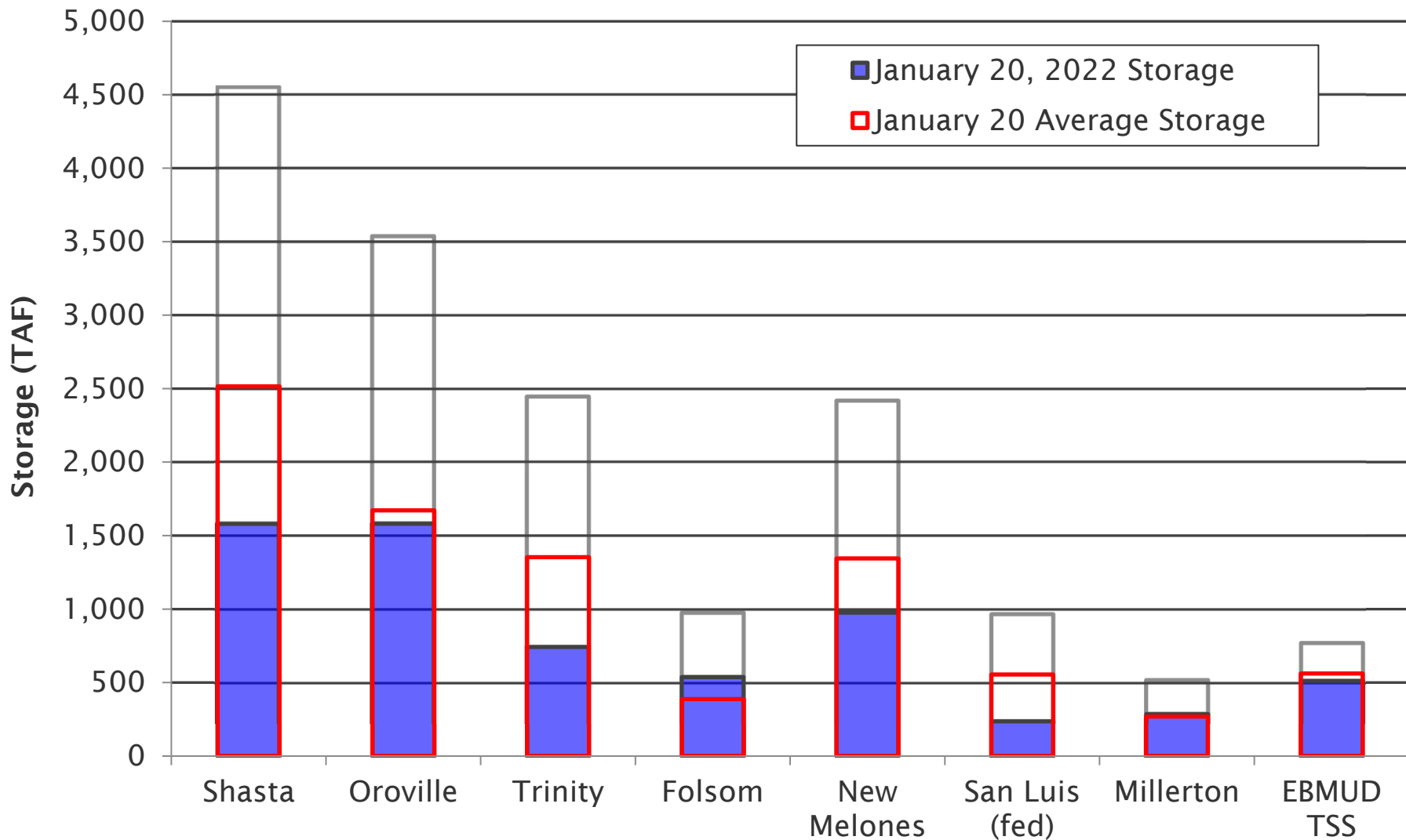


Data for: 21-Jan-2021

Statewide Average: 111%

Northern California Water Supply

Current vs. Average Storage

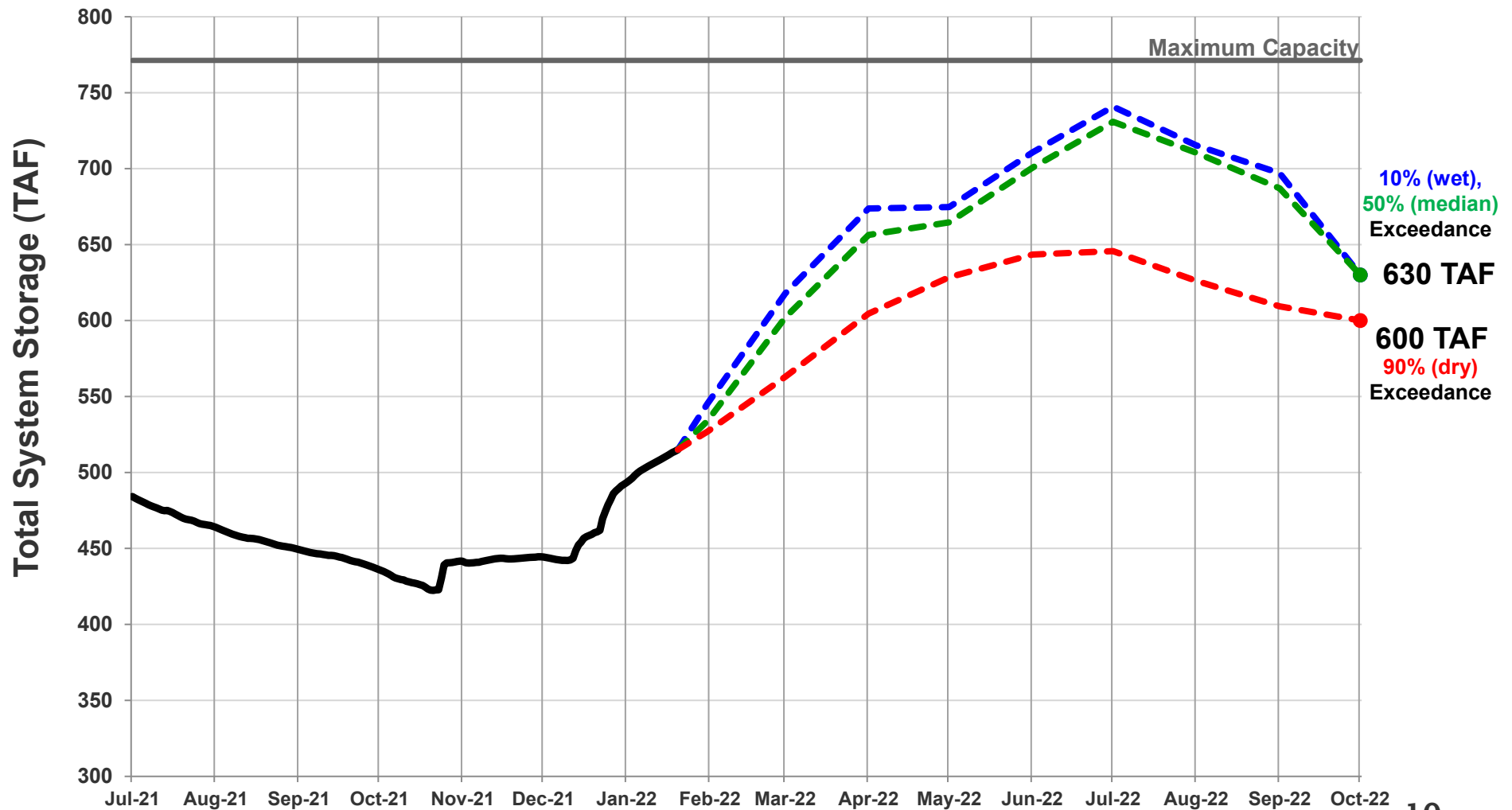


Water Supply Projections

Projected 2022 EBMUD Total System Storage



Total System Storage WY2022



Questions ?



Pardee Reservoir at Sunrise

WATER SUPPLY ENGINEERING DAILY REPORT

Thursday, January 20, 2022

RESERVOIR STORAGE AND ELEVATION

	<u>WATER SURFACE</u>		<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>		Release	Spill
	Elevation	+Gain		+Gain	Elevation	Storage		
	Feet	-Loss	Ac-Ft	-Loss	Feet	Ac-Ft	Cfs	Cfs
<u>MOKELUMNE</u>								
Pardee	554.22	0.19	175250	390	567.65	203795	645	0
Camanche	202.95	0.14	208340	730	235.5	417120	226	0
<u>EAST BAY</u>								
Briones	564.02	-0.01	50720	-10	576.14	58960	0	0
Chabot	222.3	0	8740	0	227.25	10350	0	0
Lafayette	436.55	-0.01	2780	-10	449.16	4250	0	0
San Pablo	309.12	0.03	34200	20	313.68	37915	0	0
Upper San Leandro	454.7	-0.14	34980	-100	459.98	38905	0	0
<u>Total East Bay Res.</u>			131420	-100		150380		
<u>TOTAL SYSTEM STORAGE</u>			515010	1020		771295		

<u>DISTRIBUTION SYSTEM</u>			<u>MOKELUMNE SYSTEM</u>		
<u>DISTRIBUTION RESERVOIRS</u>			<u>AQUEDUCT DELIVERIES</u>		
	Storage	Operating		MG	Flow Conditions
	MG	Capacity			
Today	359	720	Line 1	33.8	THROTTLE
Total Previous Day	374		Line 2	24.9	THROTTLE
Total Change	-15		Line 3	15	SHUTDOWN
			TOTAL	73.7	114 Cfs
<u>WATER PRODUCTION</u>	Million	Capacity	<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>		
<u>AND DEMAND</u>	Gallons	MGD	Mok 1	0	
Lafayette WTP	0	25	Mok 2	0	
Orinda WTP	50	190		0 MG	
San Pablo WTP	0	30	<u>RIVER FLOWS AND RELEASES</u>		<u>Cfs</u>
Sobrante WTP	0	50	Mokelumne River Natural Flow		571
Upper San Leandro WTP	39.7	45	Pardee Reservoir Inflow		961
Walnut Creek WTP	24	90	Pardee Release to Camanche Res.		645
			Pardee Release to JVID		0
<u>TOTAL SURFACE PRODUCTION</u>	113.7	430	Camanche Release to Mokel. River		226
Miscellaneous(Estimated)	0.4				
<u>TOTAL WATER PRODUCTION</u>	114.1		<u>PG&E CO. STORAGE (Acre-feet)</u>		
Change in Distribution System	-15				
Wash Water from Distribution Sys.	1.4				
<u>SYSTEM DEMAND</u>	127.3				
East-of-Hills Demand	23.3				
West-of-Hills Demand	104				

<u>RAW WATER TRANSMISSION</u>			<u>PRECIPITATION (Inches)</u>				
	INPUT	DRAFT	<u>THIS YEAR</u>		<u>AVERAGE YEAR</u>		
Briones Res.	0	6	<u>STATION</u>	<u>Today</u>	<u>This Month</u>	<u>Season to-Date</u>	<u>Season to-Date</u>
San Pablo Res.	5	0					
U. San Leandro Res.	0	127					
<u>TOTAL</u>	5	133	USL WTP	0	0.57	20.53	12.77
<u>REMARKS</u>			Orinda WTP	0	0.98	26.84	15.64
WID Canal Diversion = 0 cfs			Lafayette Reservoir	0	0.39	16.47	13.91
Mokelumne River below WID = 158 cfs			Walnut Creek WTP	0	0.47	17.45	11.41
			Camp Pardee	0	0.09	14.97	10.02
			Salt Springs P.H.	0	0.46	26.12	21.58
			<u>CAPLES LAKE (7,830 FT) DATA</u>				
				<u>Today</u>	<u>Average</u>		
PG&E data as of 4:00 pm previous date.			Snow Depth	53 Inches	54 Inches		
All other data as of midnight.			Water Content	17.6 Inches	17.0 Inches		
WTP capacities are sustainable rates.							

EAST BAY MUNICIPAL UTILITY DISTRICT