

Water Supply Update

Board of Directors

March 9, 2021

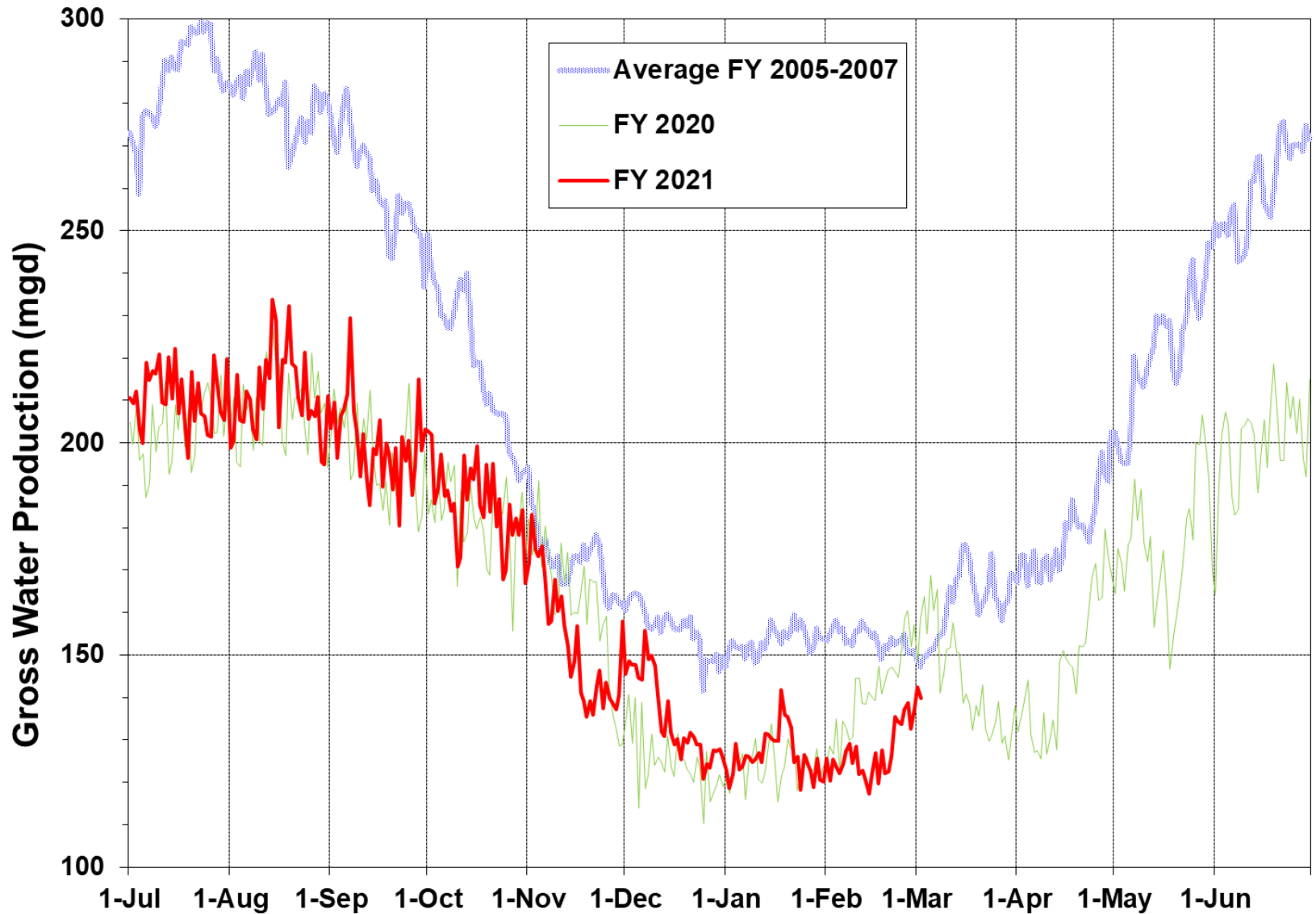
Presentation Outline

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



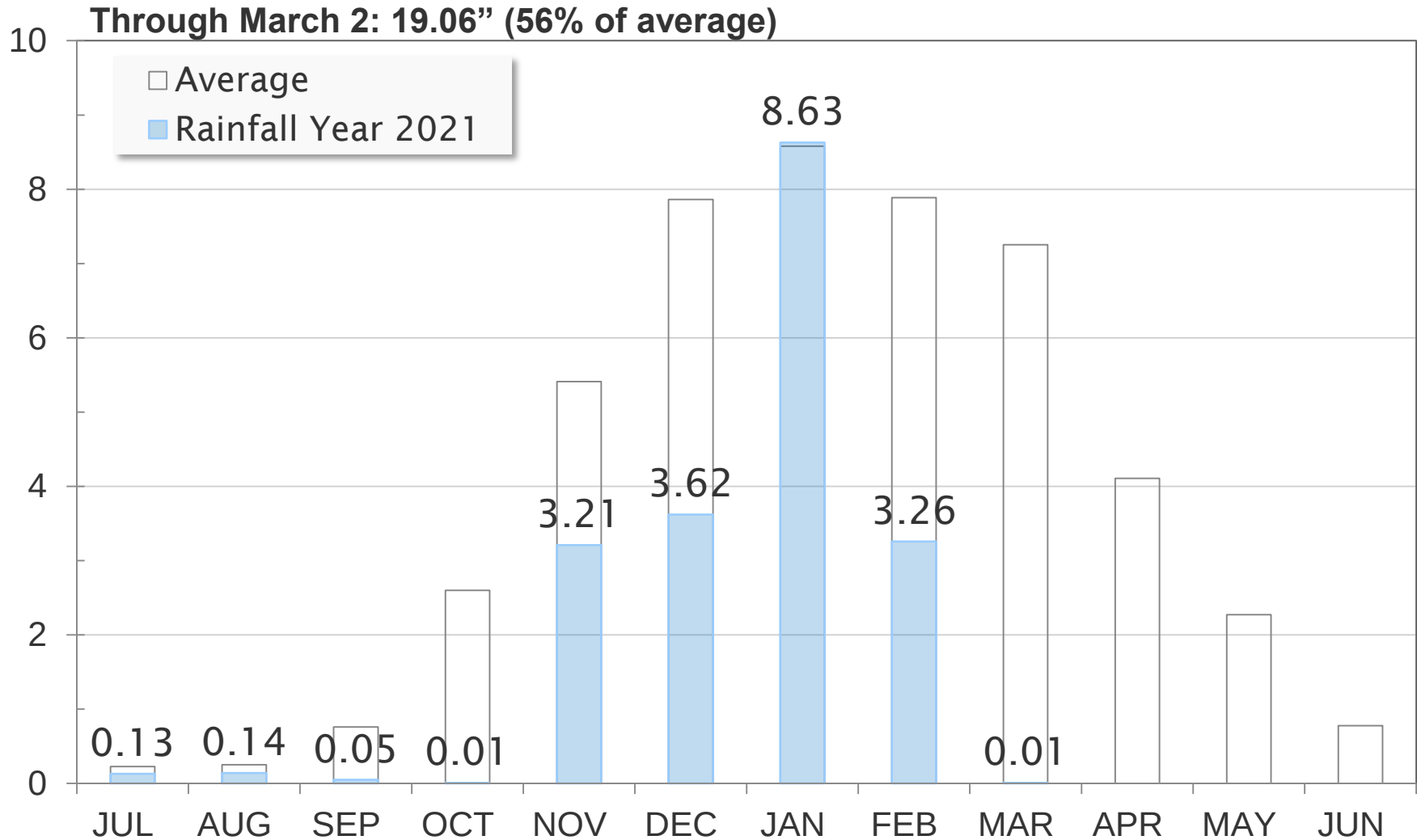
Current Water Supply

Gross Water Production



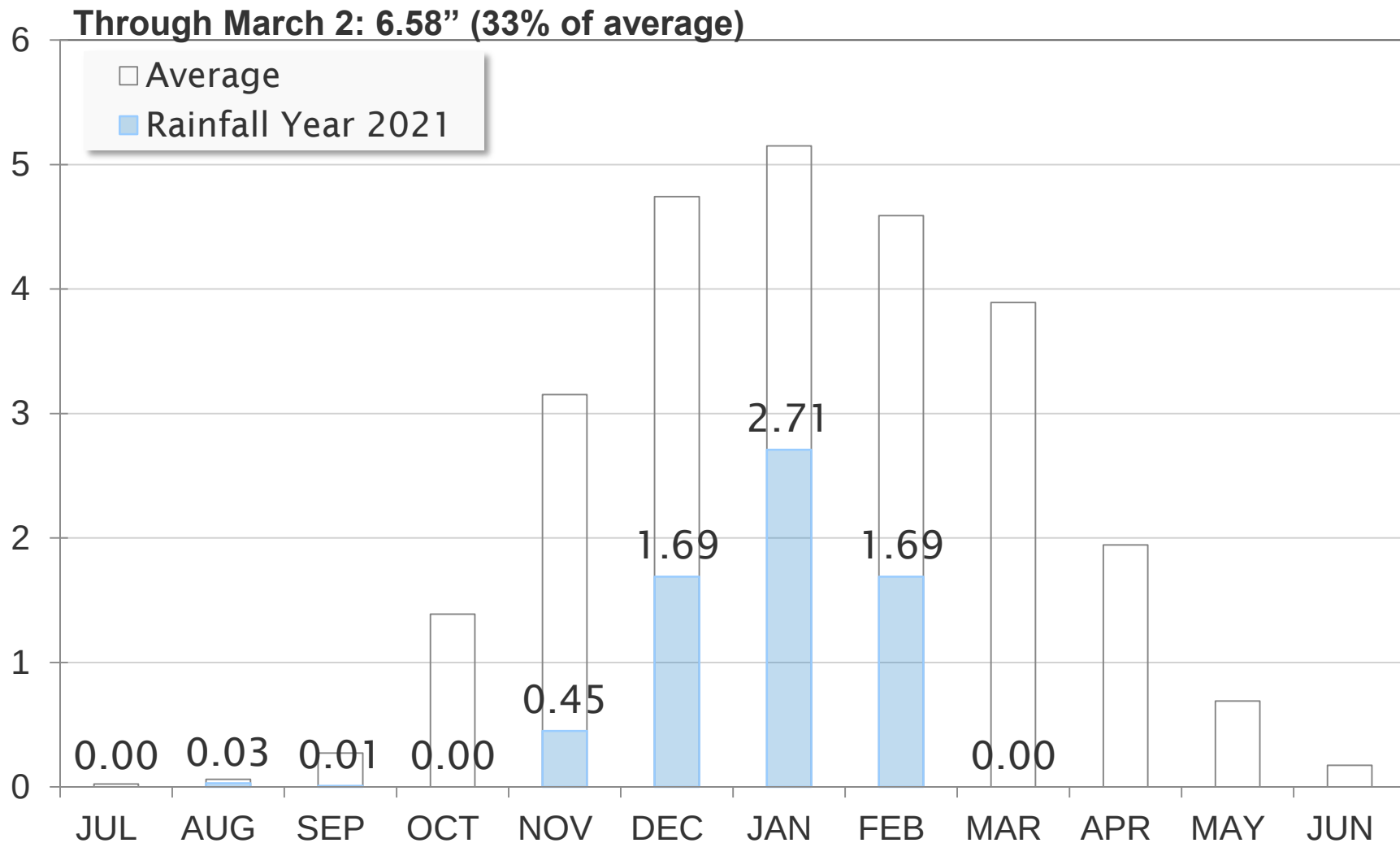
Current Water Supply

Mokelumne Precipitation



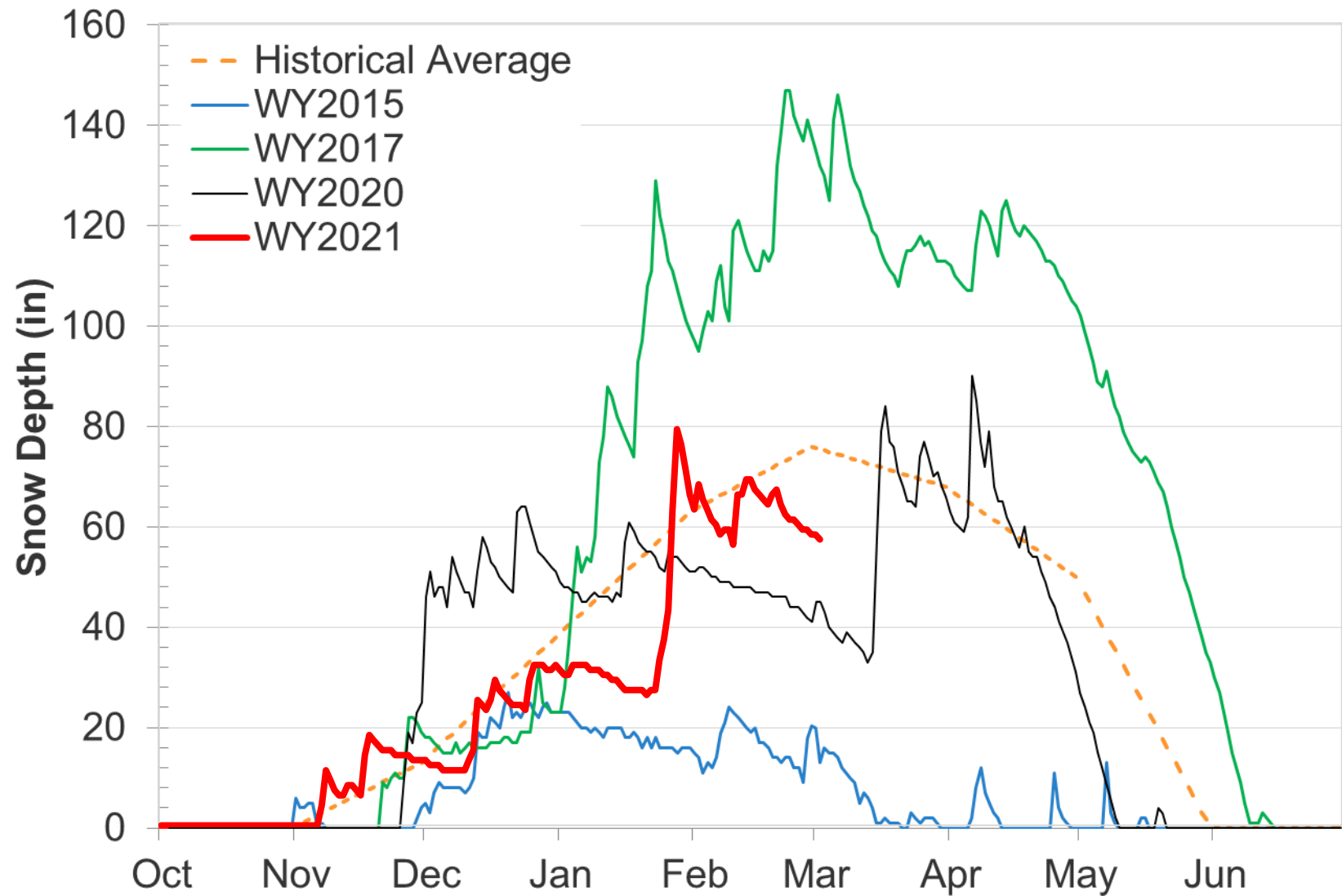
Current Water Supply

East Bay Precipitation



Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Snow



As of Mar. 2, 2021	Cumulative Precipitation	% of Average
Caples Lake Snow Depth	57"	76%
Caples Lake Snow Water Content	20.64"	76%

Water Supply Projections

Automated Sensor Snow Water Equivalents



Data for: 2-Mar-2021

% Normal for this Date



Statewide Average: 60%

Current Water Supply

Reservoir Storage



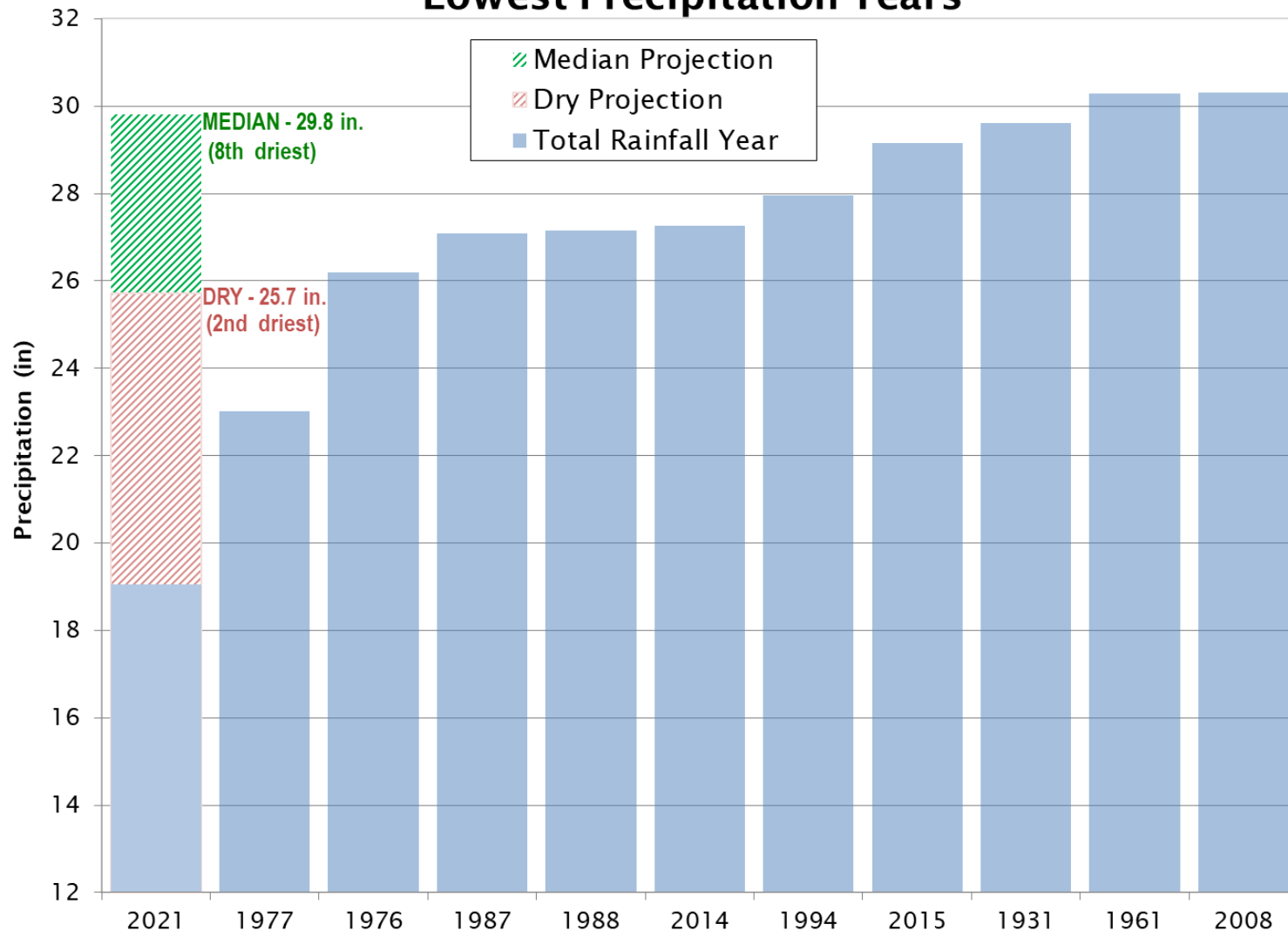
As of 3/2/2021	Current Storage	Percent of Average	Percent of Capacity
Pardee	187,820 AF	102%	92%
Camanche	249,610 AF	91%	60%
East Bay	114,140 AF	85%	76%
Total System	551,570 AF	93%	72%

Water Supply Projections

Dry Year Precipitation Comparison

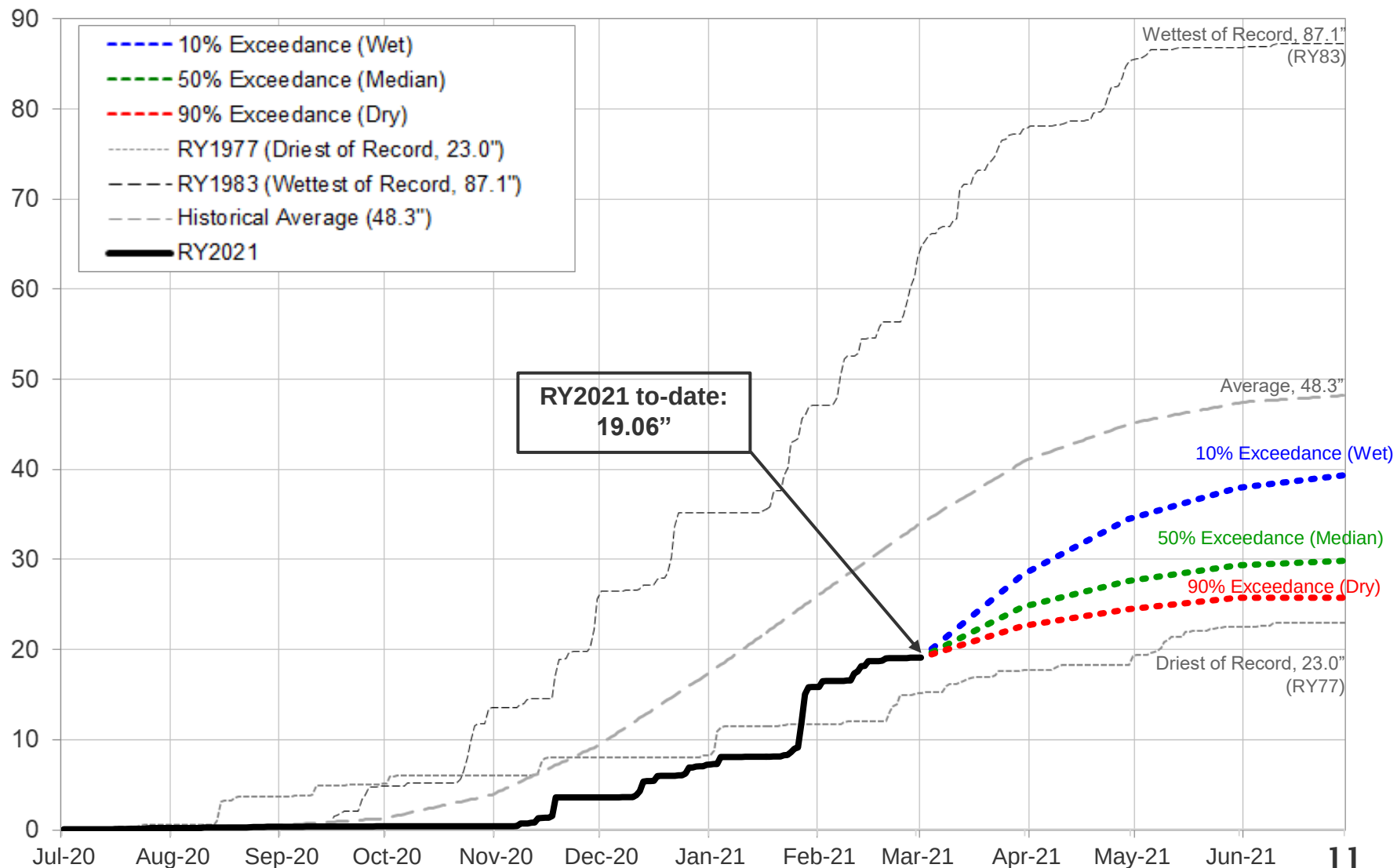


Lowest Precipitation Years



Water Supply Projections

Mokelumne Precipitation Rainfall Year 2021

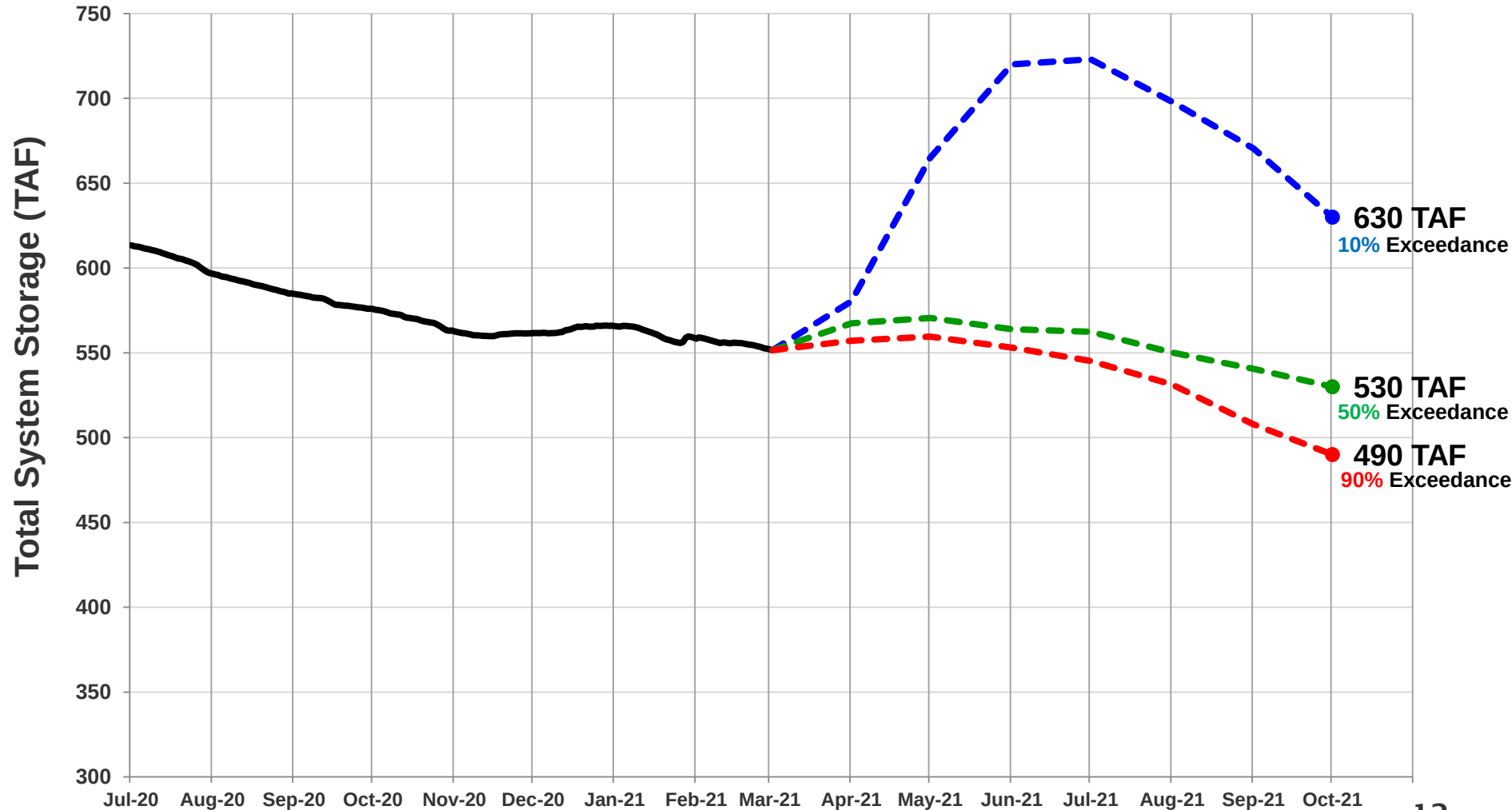


Water Supply Projections

Projected 2021 EBMUD Total System Storage



Total System Storage WY2021



Questions ?



WATER SUPPLY ENGINEERING DAILY REPORT

Tuesday, March 2, 2021

RESERVOIR STORAGE AND ELEVATION

	<u>WATER SURFACE</u>		<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>		Release	Spill
	Elevation	+Gain		+Gain	Elevation	Storage		
<u>MOKELUMNE</u>	<u>Feet</u>	<u>-Loss</u>	<u>Ac-Ft</u>	<u>-Loss</u>	<u>Feet</u>	<u>Ac-Ft</u>	<u>Cfs</u>	<u>Cfs</u>
Pardee	560.3	-0.02	187820	-40	567.65	203795	89	0
Camanche	210.41	-0.07	249610	-410	235.5	417120	300	0
<u>EAST BAY</u>								
Briones	563.4	0	50310	0	576.14	58960	0	0
Chabot	220.27	-0.01	8120	-10	227.25	10350	0	0
Lafayette	434.92	-0.01	2610	-10	449.16	4250	0	0
San Pablo	301.07	0.12	28180	90	313.68	37915	0	0
Upper San Leandro	438.54	-0.09	<u>24920</u>	<u>-40</u>	459.98	<u>38905</u>	0	0
Total East Bay Res.			<u>114140</u>	<u>30</u>		<u>150380</u>		
TOTAL SYSTEM STORAGE			551570	-420		771295		

<u>DISTRIBUTION SYSTEM</u>			<u>MOKELUMNE SYSTEM</u>		
<u>DISTRIBUTION RESERVOIRS</u>			<u>AQUEDUCT DELIVERIES</u>		
	Storage	Operating		<u>MG</u>	<u>Flow Conditions</u>
	<u>MG</u>	<u>Capacity</u>	Line 1	26.9	THROTTLE
Today	348	720	Line 2	43.1	THROTTLE
Total Previous Day	<u>359</u>		Line 3	<u>68.7</u>	<u>THROTTLE</u>
Total Change	-11		TOTAL	138.7	215 Cfs
<u>WATER PRODUCTION</u>	Million	Capacity	<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>		
<u>AND DEMAND</u>	<u>Gallons</u>	<u>MGD</u>	Mok 1	0	
Lafayette WTP	6.6	25	Mok 2	<u>0</u>	
Orinda WTP	78	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		5
Upper San Leandro WTP	14.8	45	Pardee Reservoir Inflow		290
Walnut Creek WTP	30.7	90	Pardee Release to Camanche Res.		89
<u>TOTAL SURFACE PRODUCTION</u>	130.1	430	Pardee Release to JVID		0
Miscellaneous(Estimated)	0.4		Camanche Release to Mokel. River		300
<u>TOTAL WATER PRODUCTION</u>	<u>130.5</u>		<u>PG&E CO. STORAGE (Acre-feet)</u>		
Change in Distribution System	-11			<u>Storage</u>	<u>Change</u>
Wash Water from Distribution Sys.	1.5		Old Reservoirs	6800	-490
<u>SYSTEM DEMAND</u>	139.9				<u>Maximum Capacity</u>
East-of-Hills Demand	35.2		Salt Springs Res.	7597	-106
West-of-Hills Demand	104.7		Lower Bear Res.	<u>10469</u>	<u>30</u>
			Total	24866	-566

<u>RAW WATER TRANSMISSION</u>			<u>PRECIPITATION (Inches)</u>				
	<u>INPUT</u>	<u>DRAFT</u>	<u>THIS YEAR</u>		<u>AVERAGE YEAR</u>		
Briones Res.	0	3	<u>STATION</u>	<u>Today</u>	<u>This Month</u>	<u>Season to-Date</u>	<u>Season to-Date</u>
San Pablo Res.	75	0					
U. San Leandro Res.	0	49	USL WTP	0	0	7.54	19.02
<u>TOTAL</u>	<u>75</u>	<u>52</u>	Orinda WTP	0	0	9.26	23.96
<u>REMARKS</u>			Lafayette Reservoir	0	0	5.61	21.35
WID Canal Diversion = 0 cfs			Walnut Creek WTP	0.06	0.06	6.44	17.66
Mokelumne River below WID = 125 cfs			Camp Pardee	0	0	9.73	15.2
			Salt Springs P.H.	0	0	17.9	32.1
			<u>CAPLES LAKE (7,830 FT) DATA</u>				
PG&E data as of 4:00 pm previous date.				<u>Today</u>		<u>Average</u>	
All other data as of midnight.			Snow Depth	57 Inches		75 Inches	
WTP capacities are sustainable rates.			Water Content	20.6 Inches		27.1 Inches	

EAST BAY MUNICIPAL UTILITY DISTRICT