EAST BAY MUNICIPAL UTILITY DISTRICT

Water Supply Update

Board of Directors

February 9, 2021

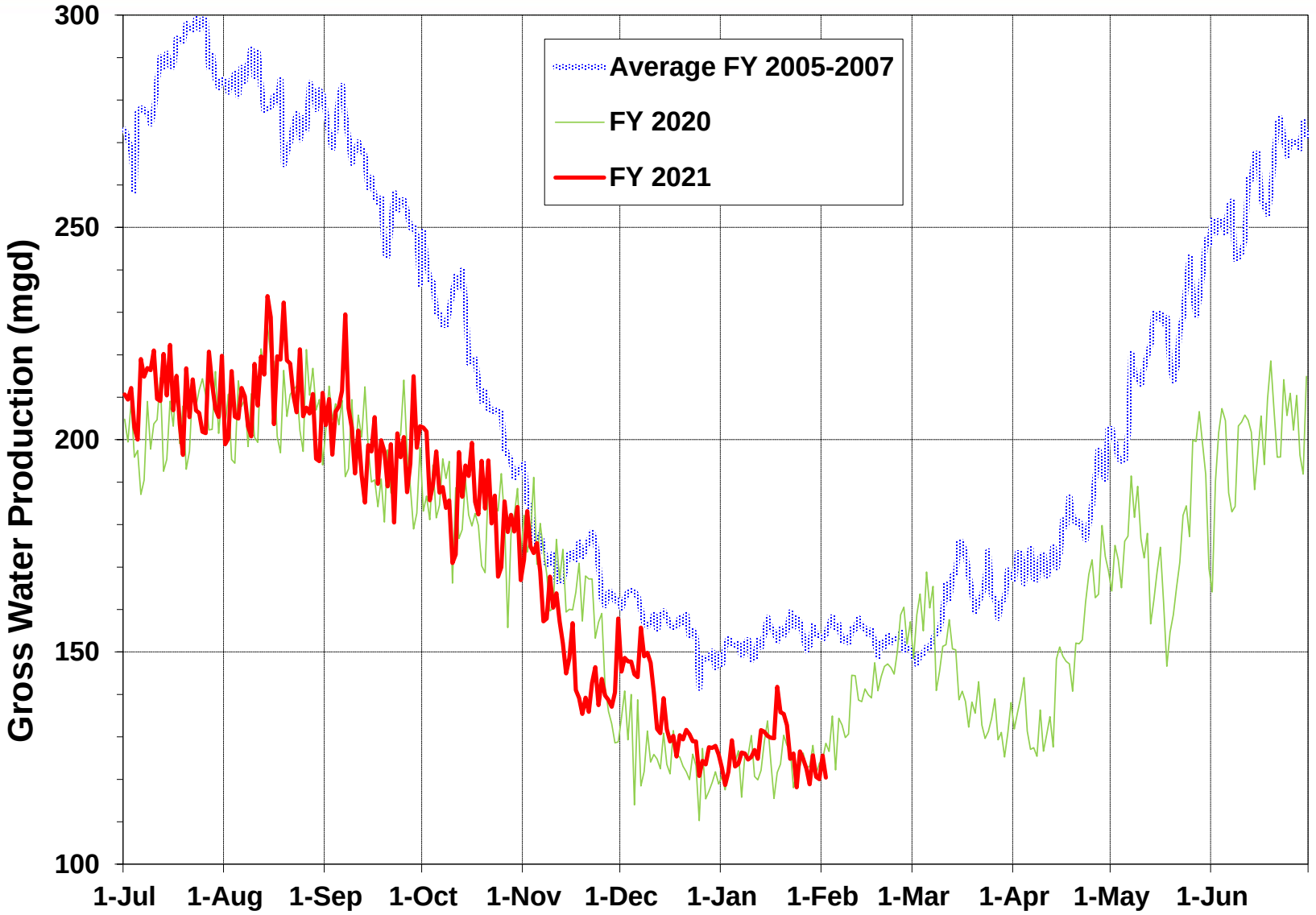
Water Supply Briefing

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



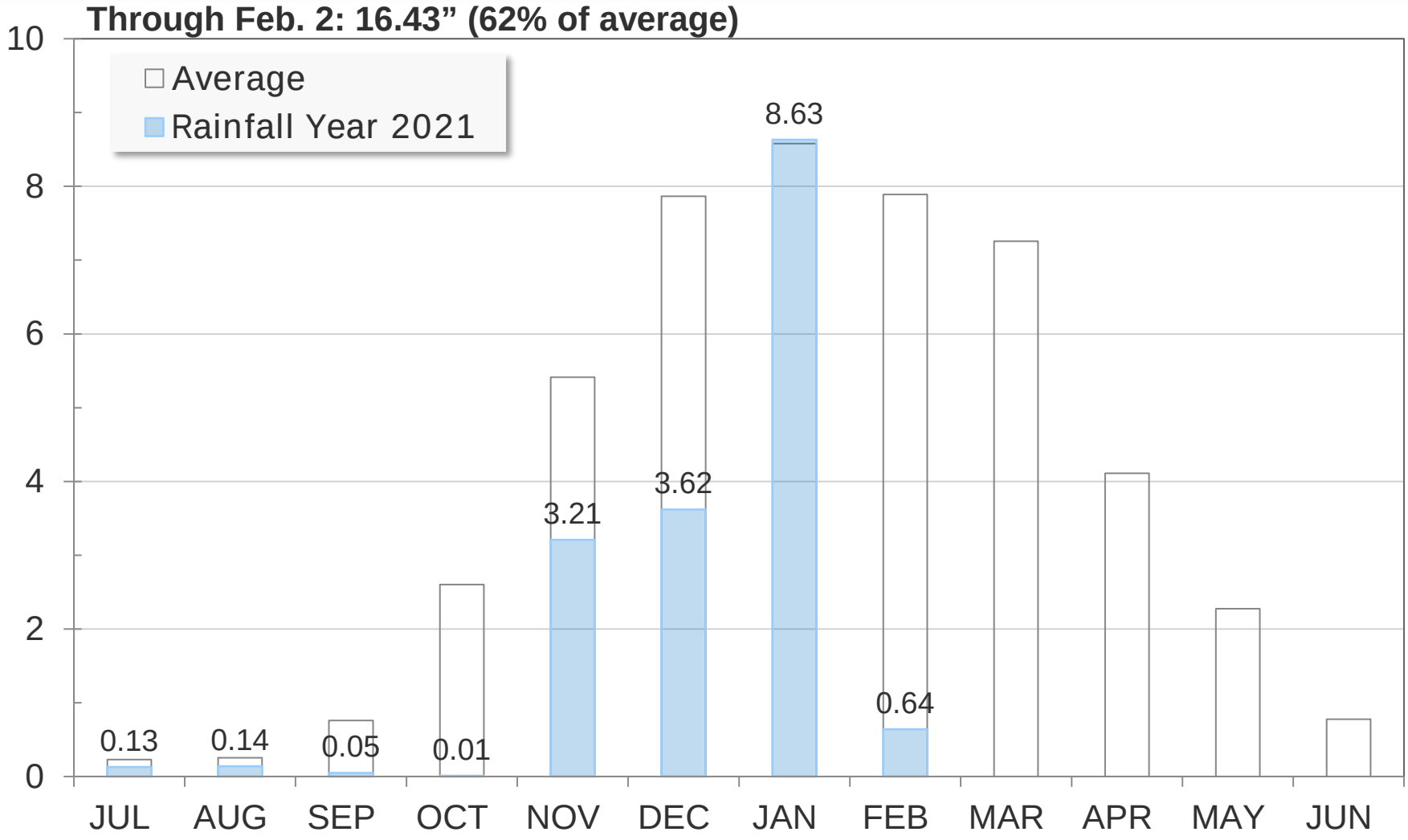
Current Water Supply

Gross Water Production



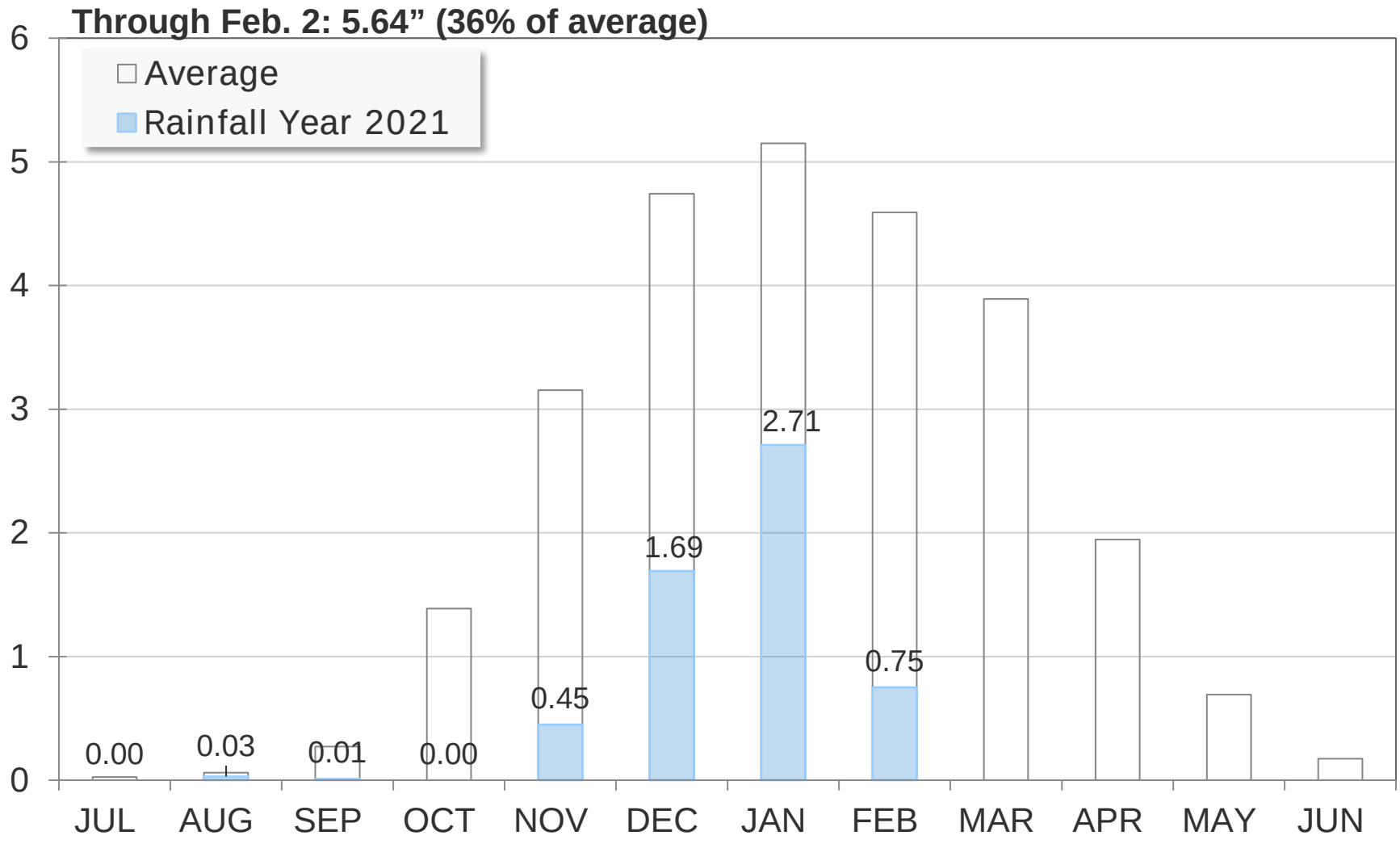
Current Water Supply

Mokelumne Precipitation



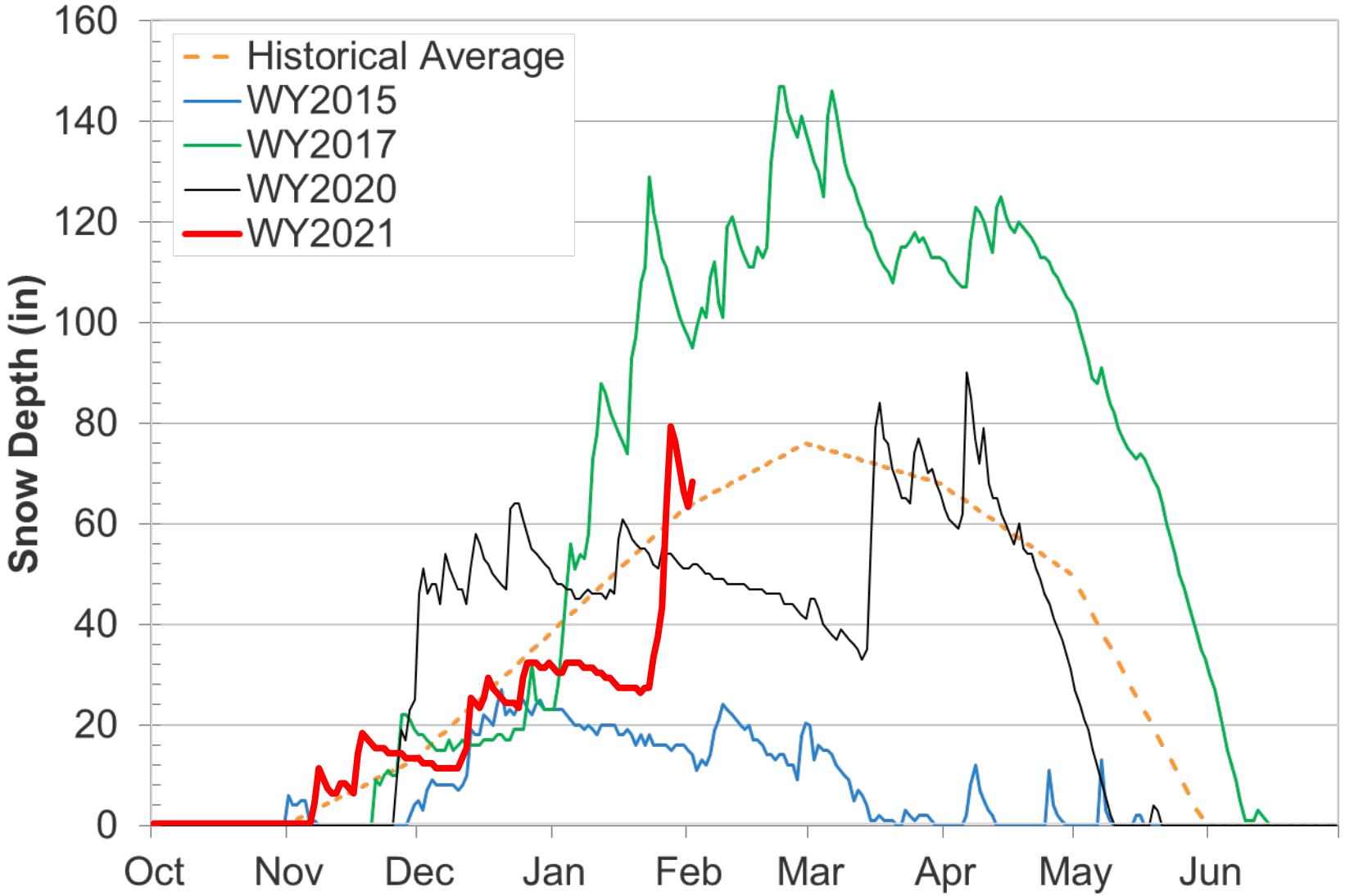
Current Water Supply

East Bay Precipitation



Current Water Supply

Caples Lake Snow Depth



Current Water Supply

Snow



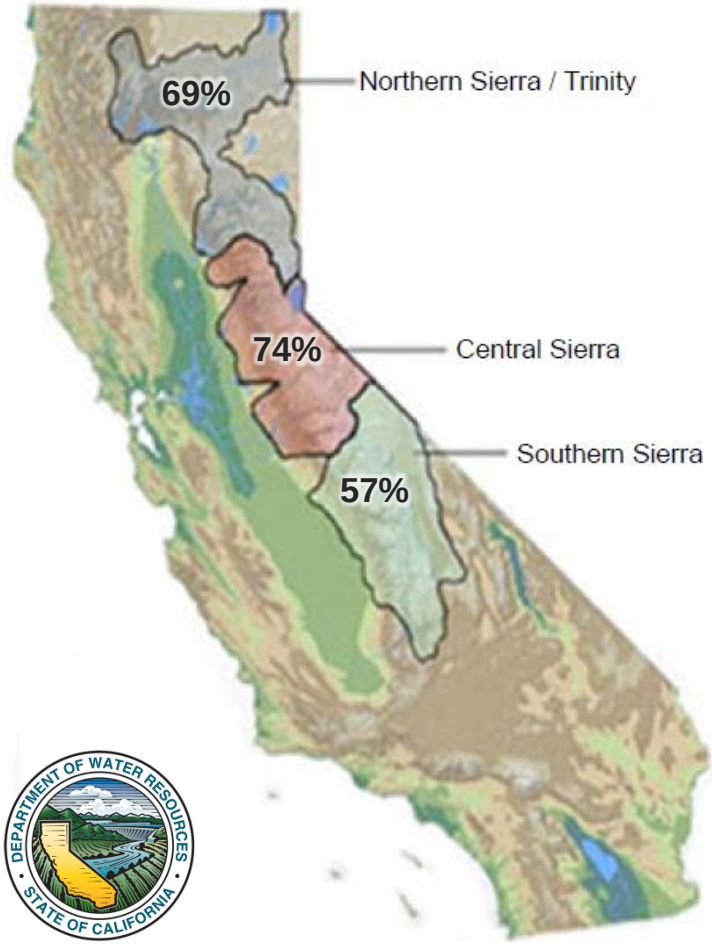
As of Feb. 2, 2021	Cumulative Precipitation	% of Average
Caples Lake Snow Depth	68”	106%
Caples Lake Snow Water Content	16.93”	81%

Water Supply Projections

Automated Sensor Snow Water Equivalents

Data for: 3-Feb-2021

% Normal for this Date



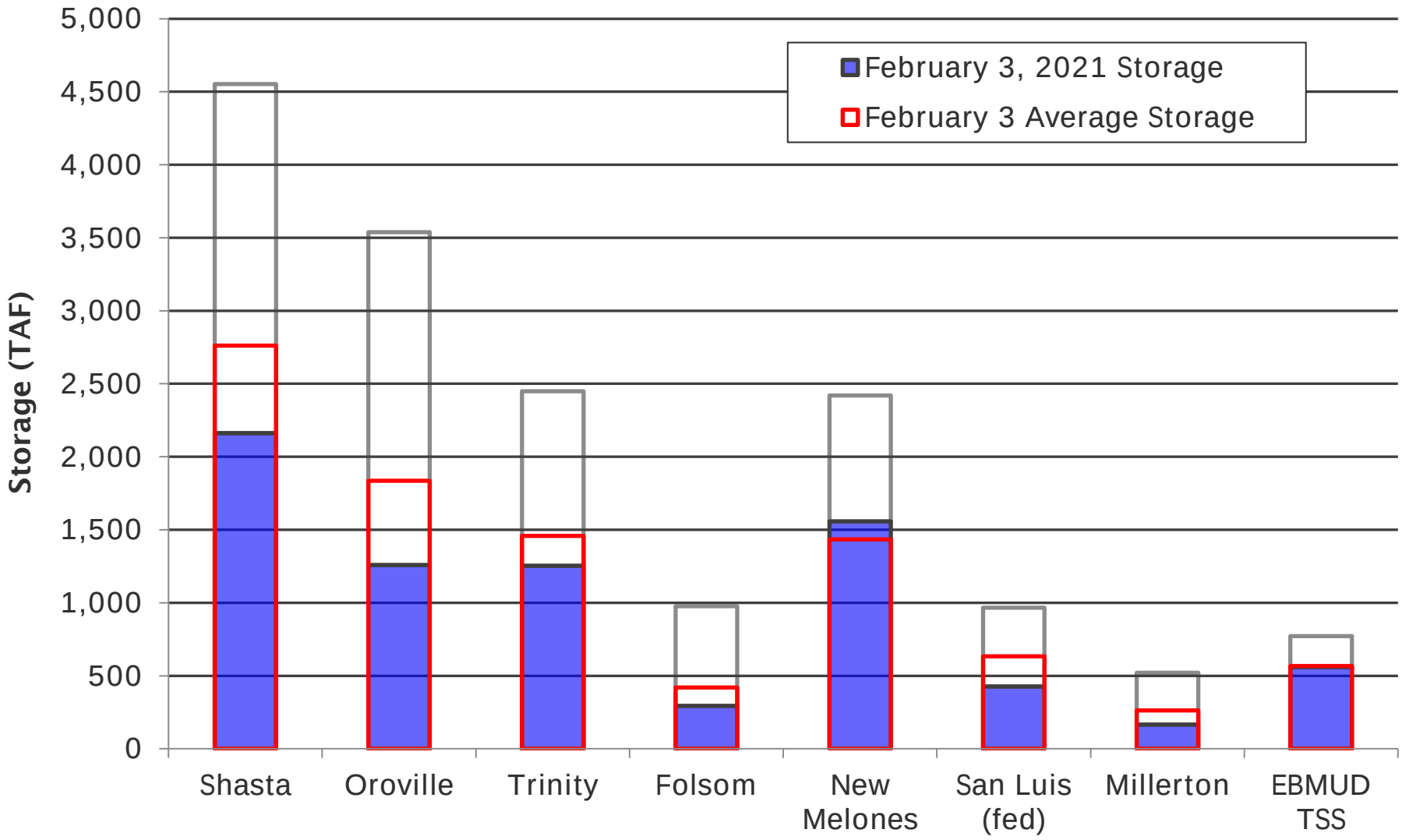
Statewide Average: 70%

Caples Lake Snow Water Content

Year	% of Normal on February 2
2018	23%
2019	135%
2020	81%
2021	81%

Northern California Water Supply

Current vs. Average Storage



Current Water Supply

Reservoir Storage



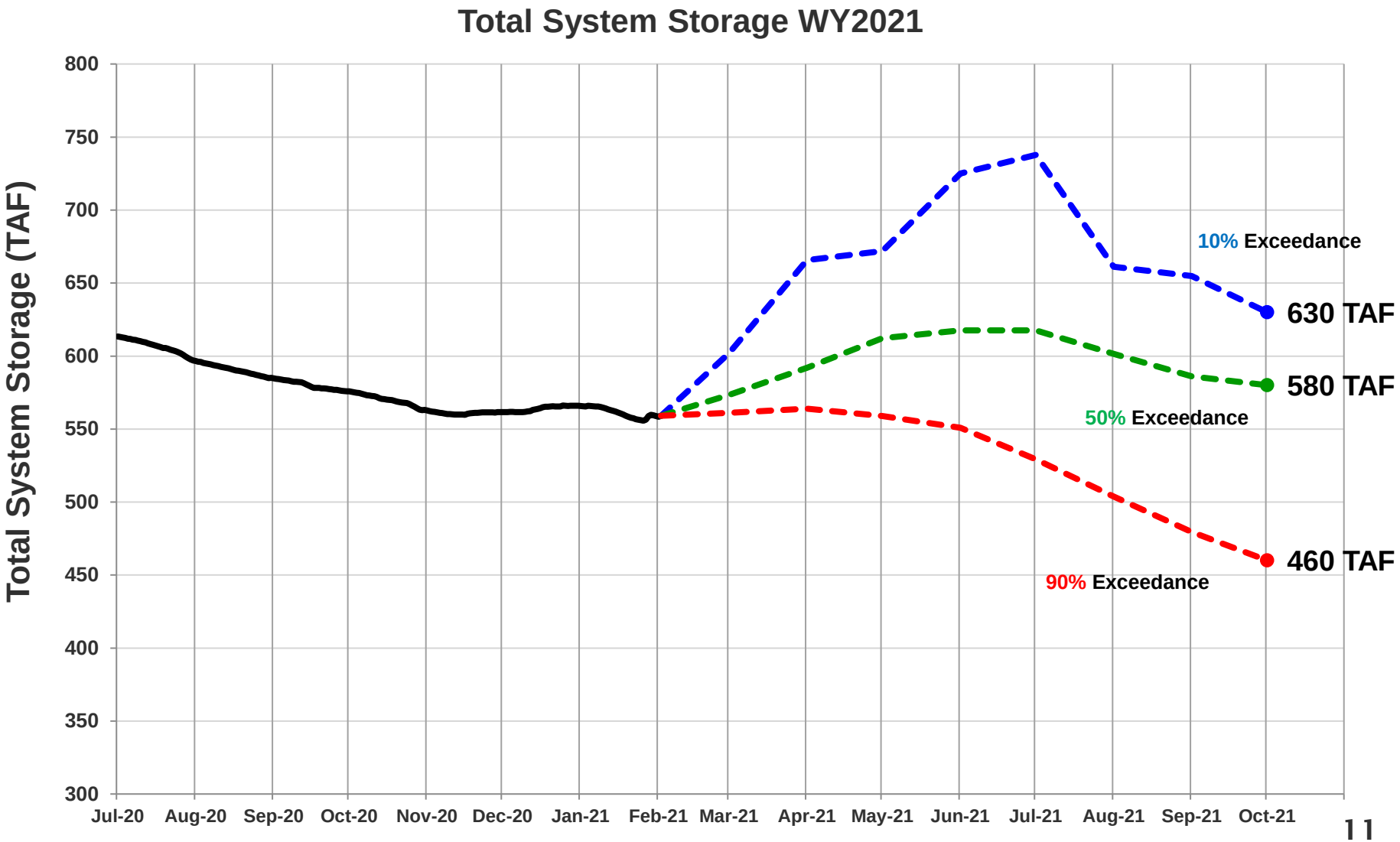




As of 2/2/2021	Current Storage	Percent of Average	Percent of Capacity
Pardee	187,610 AF	105%	92%
Camanche	253,990 AF	97%	61%
East Bay	117,460 AF	93%	78%
Total System	559,060 AF	99%	72%

Water Supply Projections

Projected 2021 EBMUD Total System Storage



Questions?



WATER SUPPLY ENGINEERING DAILY REPORT

Tuesday, February 2, 2021

RESERVOIR STORAGE AND ELEVATION

	WATER SURFACE		STORAGE		MAXIMUM CAPACITY			
MOKELUMNE	Elevation Feet	+Gain -Loss	Ac-Ft	+Gain -Loss	Elevation Feet	Storage Ac-Ft	Release Cfs	Spill Cfs
Pardee	560.2	0.07	187610	150	567.65	203795	154	0
Camanche	211.16	0.08	253990	470	235.5	417120	255	0
EAST BAY								
Briones	567.69	-0.23	53170	-150	576.14	58960	0	0
Chabot	220.29	0.04	8130	10	227.25	10350	0	0
Lafayette	434.93	0.03	2620	10	449.16	4250	0	0
San Pablo	299.92	0.18	27370	120	313.68	37915	0	0
Upper San Leandro	440.86	0.13	26170	70	459.98	38905	0	0
Total East Bay Res.			117460	60		150380		
TOTAL SYSTEM STORAGE			559060	680		771295		

DISTRIBUTION SYSTEM

DISTRIBUTION RESERVOIRS

	Storage MG	Operating Capacity
Today	379	720
Total Previous Day	383	
Total Change	-4	

WATER PRODUCTION AND DEMAND	Million Gallons	Capacity MGD
Lafayette WTP	7	25
Orinda WTP	75	190
San Pablo WTP	0	30
Sobrante WTP	0	50
Upper San Leandro WTP	19.1	45
Walnut Creek WTP	15.6	90
TOTAL SURFACE PRODUCTION	116.7	430
Miscellaneous(Estimated)	0.4	
TOTAL WATER PRODUCTION	117.1	
Change in Distribution System	-4	
Wash Water from Distribution Sys.	0.6	
SYSTEM DEMAND	120.4	
East-of-Hills Demand	22.5	
West-of-Hills Demand	97.9	

MOKELUMNE SYSTEM

AQUEDUCT DELIVERIES

	MG	Flow Conditions
Line 1	12.3	THROTTLE
Line 2	0	SHUTDOWN
Line 3	28.2	THROTTLE
TOTAL	40.5	63 Cfs

FSCC to MOK AQUEDUCTS (Measured at Brandt), MG

Mok 1	0
Mok 2	0
	0 MG

RIVER FLOWS AND RELEASES	Cfs
Mokelumne River Natural Flow	274
Pardee Reservoir Inflow	228
Pardee Release to Camanche Res.	154
Pardee Release to JVID	0
Camanche Release to Mokel. River	255

PG&E CO. STORAGE (Acre-feet)

	Storage	Change	Maximum Capacity
Old Reservoirs	6138	25	26560
Salt Springs Res.	6171	73	141857
Lower Bear Res.	10144	-6	52025
Total	22453	92	220442

RAW WATER TRANSMISSION Ac-ft

	INPUT	DRAFT
Briones Res.	0	176
San Pablo Res.	1	0
U. San Leandro Res.	0	62
TOTAL	1	238

REMARKS

WID Canal Diversion = 0 cfs

Mokelumne River below WID = 459 cfs

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

PRECIPITATION (Inches)

	THIS YEAR			AVERAGE YEAR	
STATION	Today	This Month	Season to-Date	Season to-Date	Season Total
USL WTP	0.35	0.89	6.33	14.82	25.33
Orinda WTP	0.48	1.12	8	18.32	32.06
Lafayette Reservoir	0.24	0.6	4.94	16.34	28.18
Walnut Creek WTP	0.15	0.6	5.67	13.42	23.02
Camp Pardee	0.74	0.74	8.44	11.67	21.56
Salt Springs P.H.	0.62	0.62	15.67	24.96	45.51

CAPLES LAKE (7,830 FT) DATA

	Today	Average
Snow Depth	68 Inches	64 Inches
Water Content	16.9 Inches	21.0 Inches