



Water Supply Update

Board of Directors

March 11, 2025

Roberto C. Cortez, Manager of Water Operations



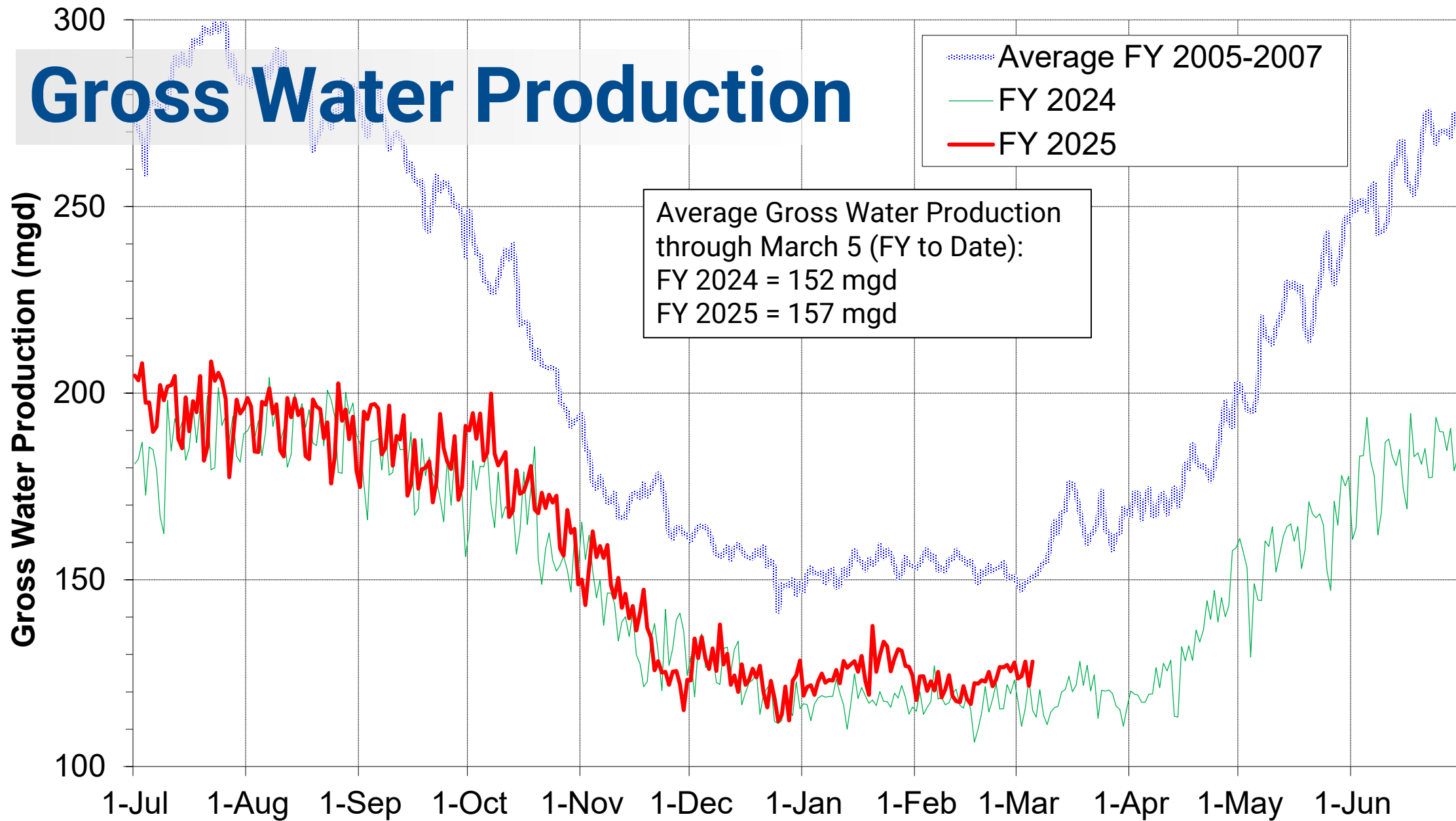
Briefing Topics

- Current Water Supply
- Water Supply Projections

Current Water Supply

A blue-tinted photograph of a river flowing over rocks, with dense trees in the background. The river is in the foreground, with many rocks visible beneath the water. The background is filled with a thick forest of trees.

Gross Water Production



Reservoir Storage

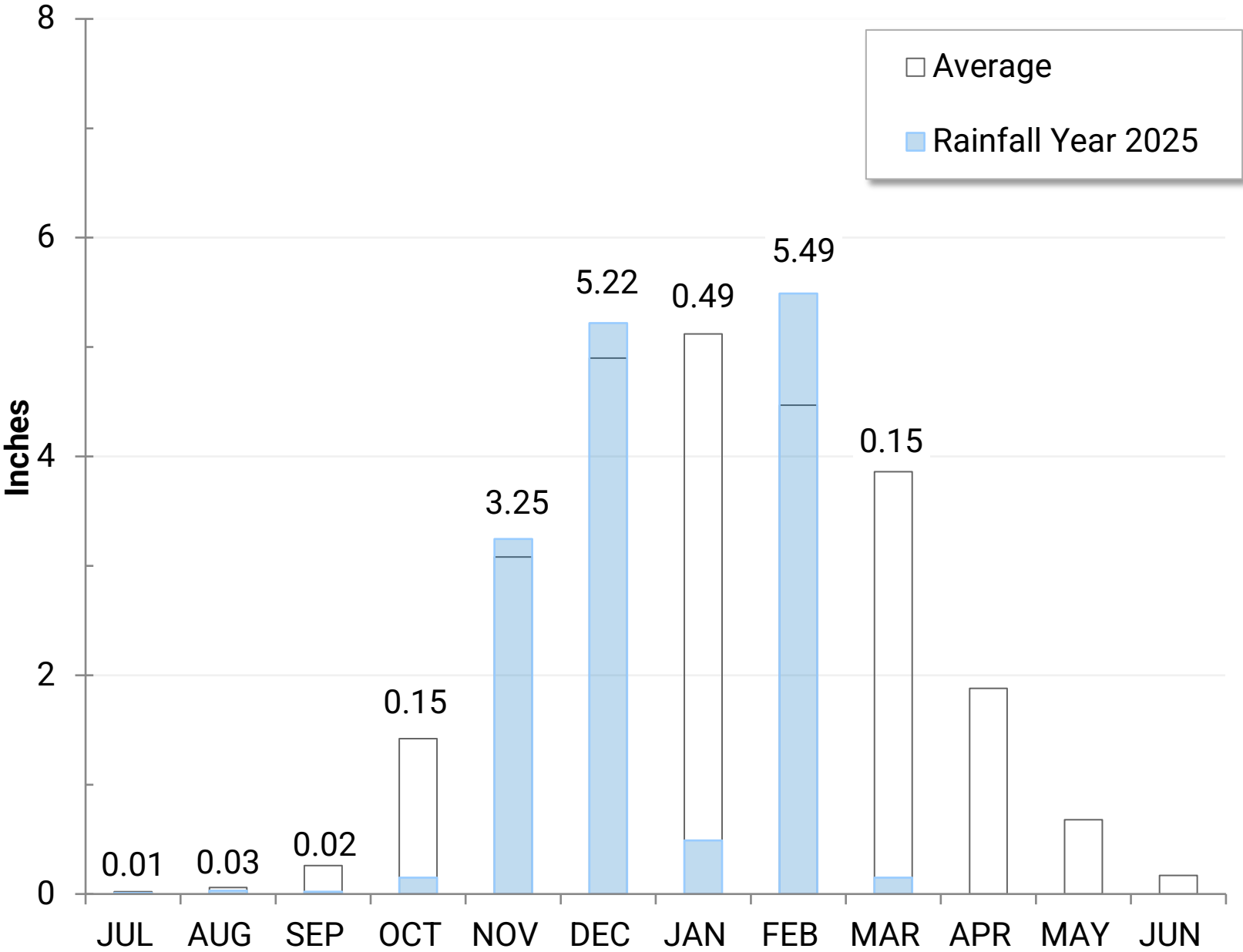
As of 3/5/2025	Current Storage	Percent of Average	Percent of Capacity
Pardee	173,240 AF	94%	85%
Camanche	320,200 AF	116%	77%
East Bay	135,150 AF	101%	90%
Total System	628,590 AF	106%	81%

AF: Acre-Feet

Precipitation as of March 5

East Bay: 14.8”
(72% of average)

- Weather Station Details
- USL WTP
 - Lafayette Reservoir
 - Data collected since 1953

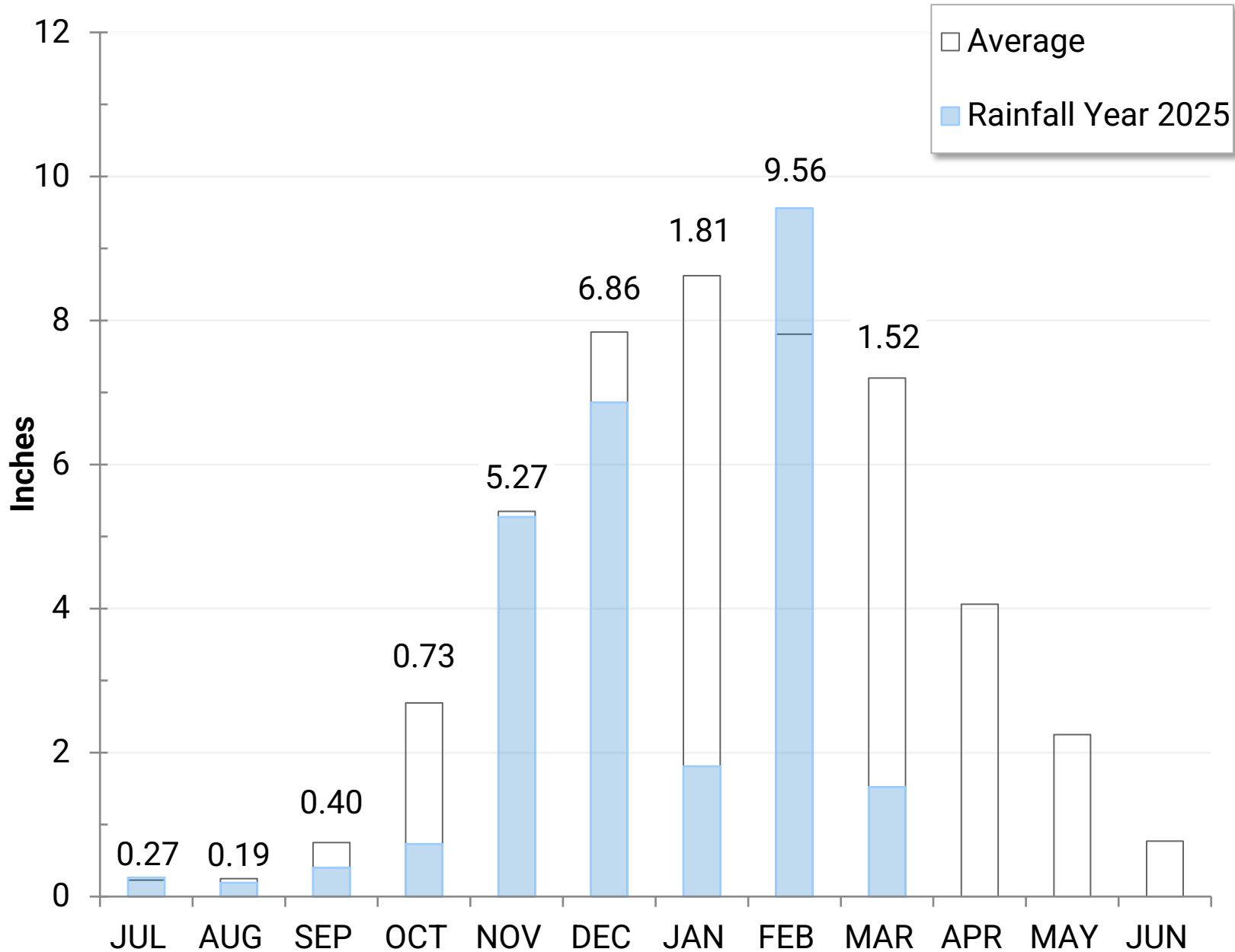


Precipitation as of March 5

Mokelumne: 26.6”
(76% of average)

Weather Station Details

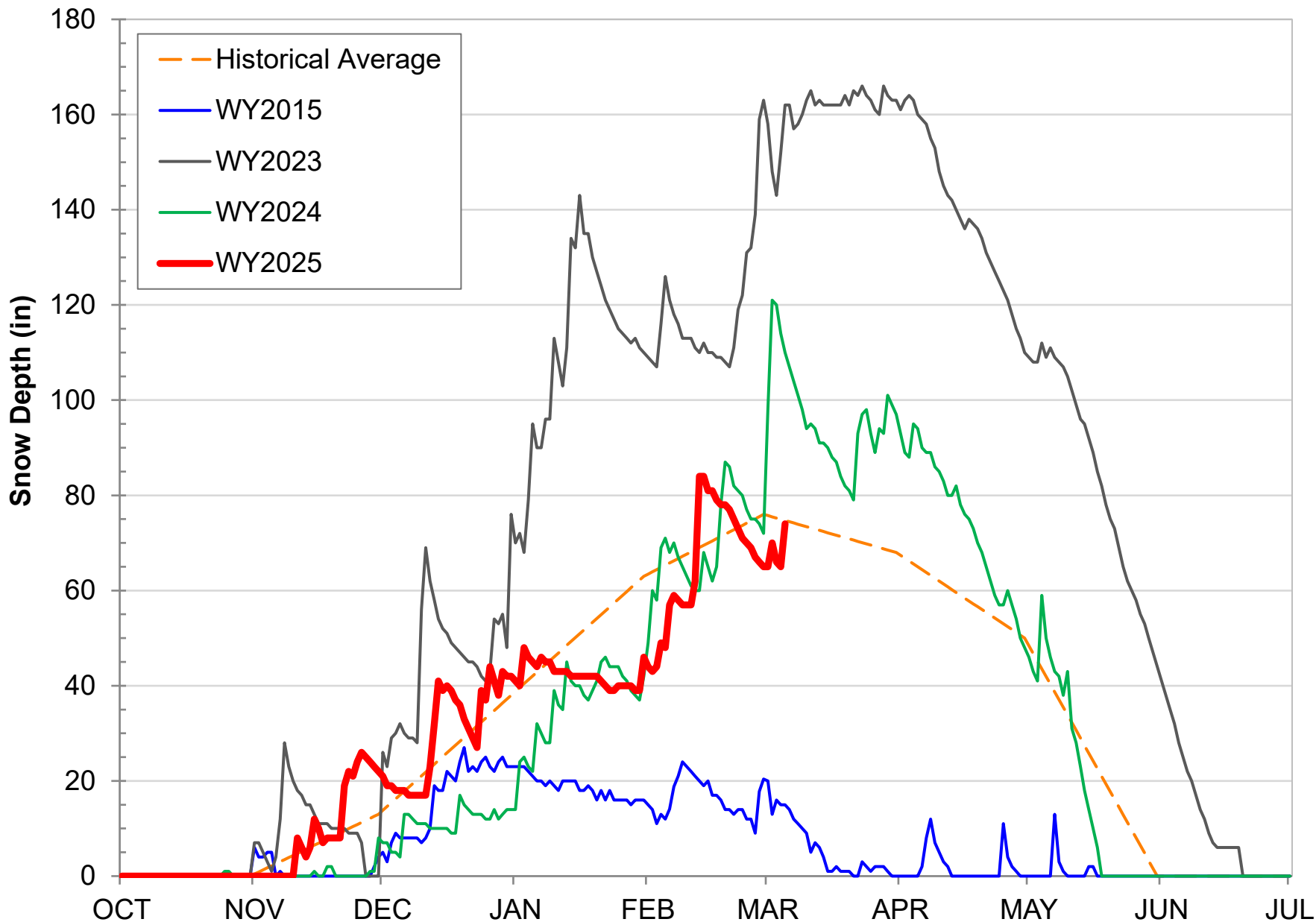
- Calaveras Big Trees
- Caples Lake
- Salt Spring Reservoir
- Tiger Creek Power Station
- Data collected since 1930



Caples Lake Snow as of March 5

Snow Depth – 74”
(99% of average)

Snow Water
Content – 19.6”
(72% of average)





Caples Station, J. Urness 2022

Snowpack as of March 6

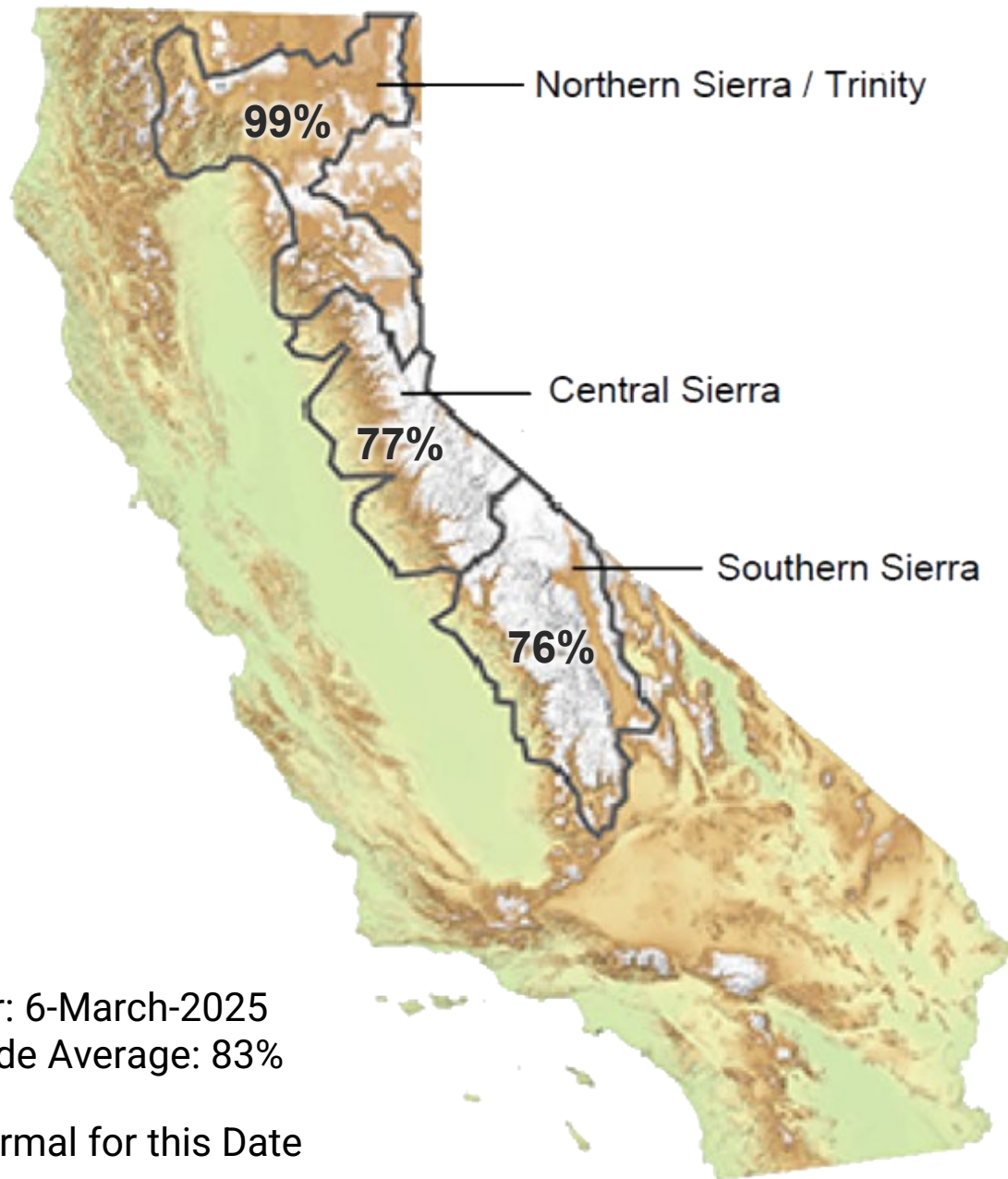
Snow Water Equivalent:

77% of Normal in Central Sierra



Data for: 6-March-2025
Statewide Average: 83%

% of Normal for this Date



Water Supply Projections

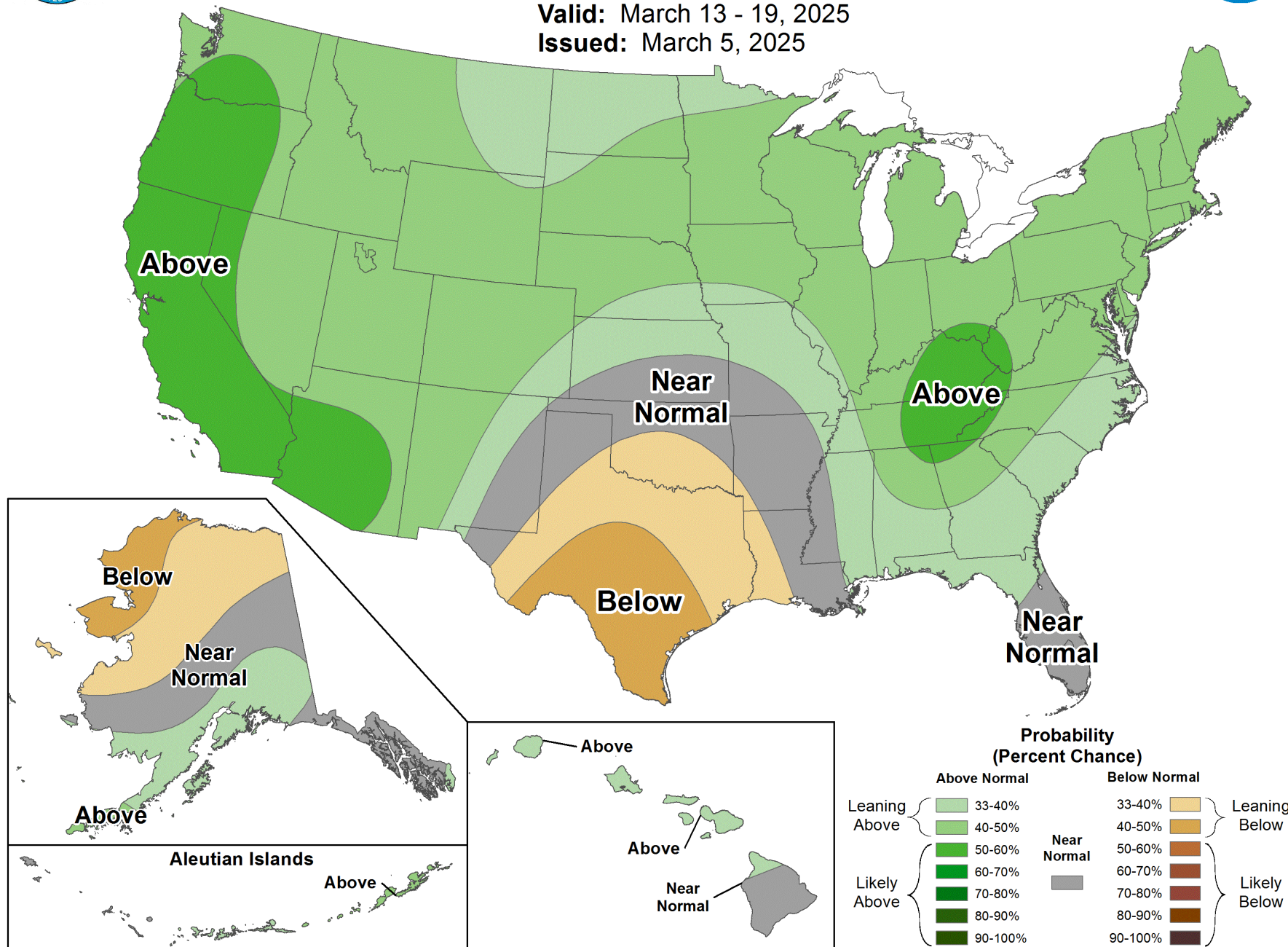


8-14 Day Precipitation Outlook



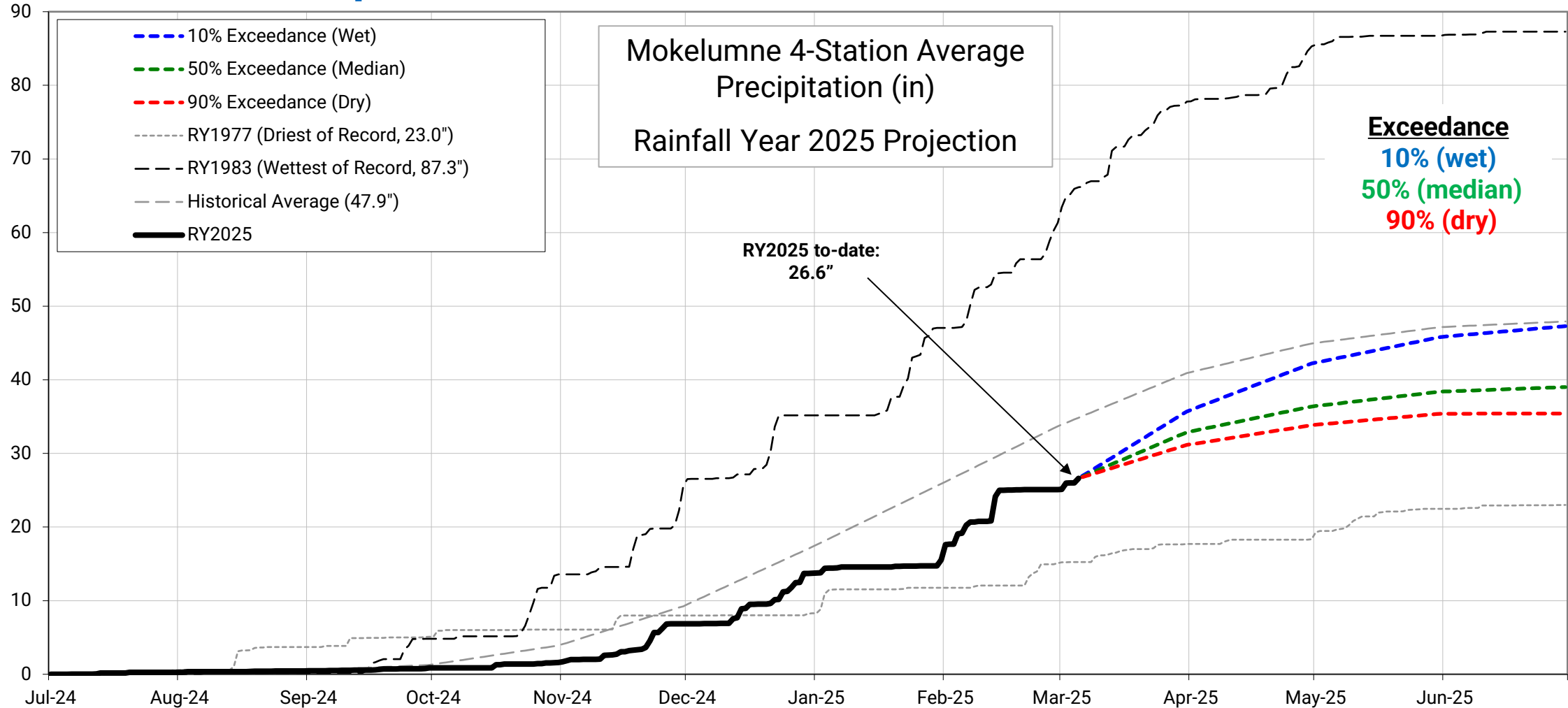
Valid: March 13 - 19, 2025

Issued: March 5, 2025



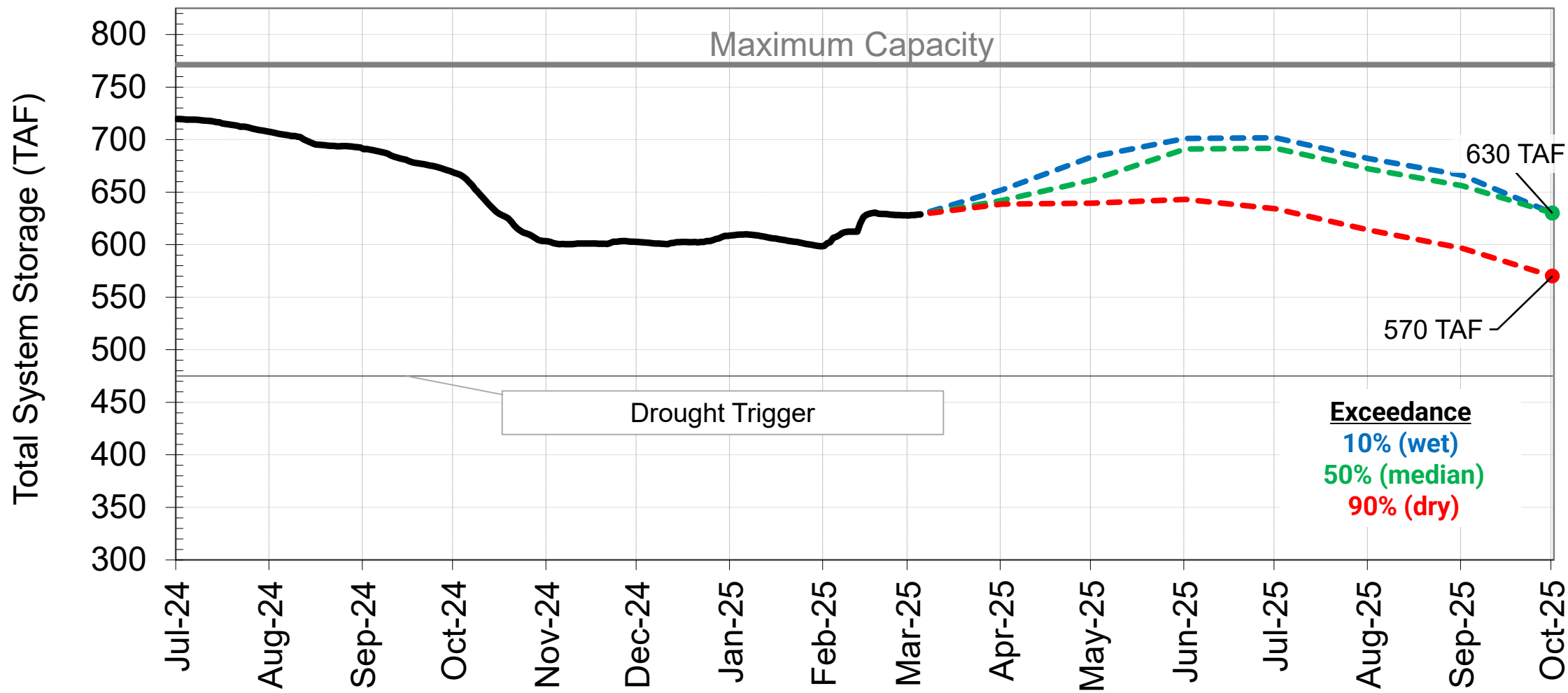
Projected Precipitation

Mokelumne Precipitation Rainfall Year 2025



End of Season Storage

2025 Total System Storage Projections



Questions?



WATER SUPPLY ENGINEERING DAILY REPORT

Wednesday, March 5, 2025

RESERVOIR STORAGE AND ELEVATION

<u>WATER SURFACE</u>			<u>STORAGE</u>		<u>MAXIMUM CAPACITY</u>			
	Elevatio							
	n	+Gain		+Gain	Elevation	Storage	Release	Spill
<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	553.22	-0.02	173240	-40	567.65	203795	394	0
Camanche	221.75	0.03	320200	190	235.5	417120	330	0
<u>EAST BAY</u>								
Briones	574.65	0	57920	0	576.14	58960	0	0
Chabot	224.7	-0.4	9500	-130	227.25	10350	52	0
Lafayette	437.46	0	2880	0	449.16	4250	0	0
San Pablo	299.32	0.06	26960	40	313.68	37915	0	0
Upper San Leandro	458.66	0	<u>37890</u>	<u>0</u>	459.98	<u>38905</u>	0	0
<u>Total East Bay Res.</u>			<u>135150</u>	<u>-90</u>		<u>150380</u>		
TOTAL SYSTEM STORAGE			628590	60	771295			
DISTRIBUTION SYSTEM					MOKELUMNE SYSTEM			
<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	30.2	THROTTLE	
Today	347	720			Line 2	48	GRAVITY	
Total Previous Day	<u>365</u>				Line 3	<u>34.2</u>	<u>THROTTLE</u>	
Total Change	-18				TOTAL	112.4	174 Cfs	
<u>WATER PRODUCTION</u>					<u>FSCC to MOK AQUEDUCTS (Measured at Brandt), MG</u>			
	Million	Capacity			Mok 1	0		
<u>AND DEMAND</u>	<u>Gallons</u>	<u>MGD</u>			Mok 2	<u>0</u>		
Lafayette WTP	8.2	25			0 MG			
Orinda WTP	85	190			<u>RIVER FLOWS AND RELEASES</u>			
San Pablo WTP	0	30			<u>Cfs</u>			
Sobrante WTP	0	50			Mokelumne River Natural Flow			
Upper San Leandro WTP	0	45			Pardee Reservoir Inflow			
Walnut Creek WTP	17	90			Pardee Release to Camanche Res.			
<u>TOTAL SURFACE PRODUCTION</u>					Pardee Release to JVID			
Miscellaneous(Estimated)	0.4				Camanche Release to Mokel. River			
<u>TOTAL WATER PRODUCTION</u>	<u>110.6</u>							
Change in Distribution System	-18				<u>PG&E CO. STORAGE (Acre-feet)</u>			
Wash Water from Distribution Sys.	0						Maximum	
<u>SYSTEM DEMAND</u>	128.1					<u>Storage</u>	<u>Change</u>	<u>Capacity</u>
East-of-Hills Demand	25.7				Old Reservoirs	10992	169	26560
West-of-Hills Demand	102.4				Salt Springs Res.	21783	317	141857
<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	0			<u>STATION</u>	This	Season	Season
San Pablo Res.	7	0				<u>Month</u>	<u>to-Date</u>	<u>to-Date</u>
U. San Leandro Res.	0	0				<u>Today</u>	<u>to-Date</u>	<u>Total</u>
<u>TOTAL</u>					USL WTP	0	0.14	16.45
<u>REMARKS</u>					Orinda WTP	0	0.27	22.95
WID Canal Diversion = 15 cfs					Lafayette Reservoir	0	0.16	13.13
Mokelumne River below WID = 141 cfs					Walnut Creek WTP	0	0.06	16.19
					Camp Pardee	0.12	0.68	10.07
					Salt Springs P.H.	0.83	1.54	23.63
					<u>CAPLES LAKE (7,830 FT) DATA</u>			
PG&E data as of 4:00 pm previous date.					Today		Average	
All other data as of midnight.					Snow Depth		74 Inches	
WTP capacities are sustainable rates.					Water Content		19.6 Inches	

EAST BAY MUNICIPAL UTILITY DISTRICT