



Water Supply Update

Board of Directors

March 25, 2025

Roberto C. Cortez, Manager of Water Operations



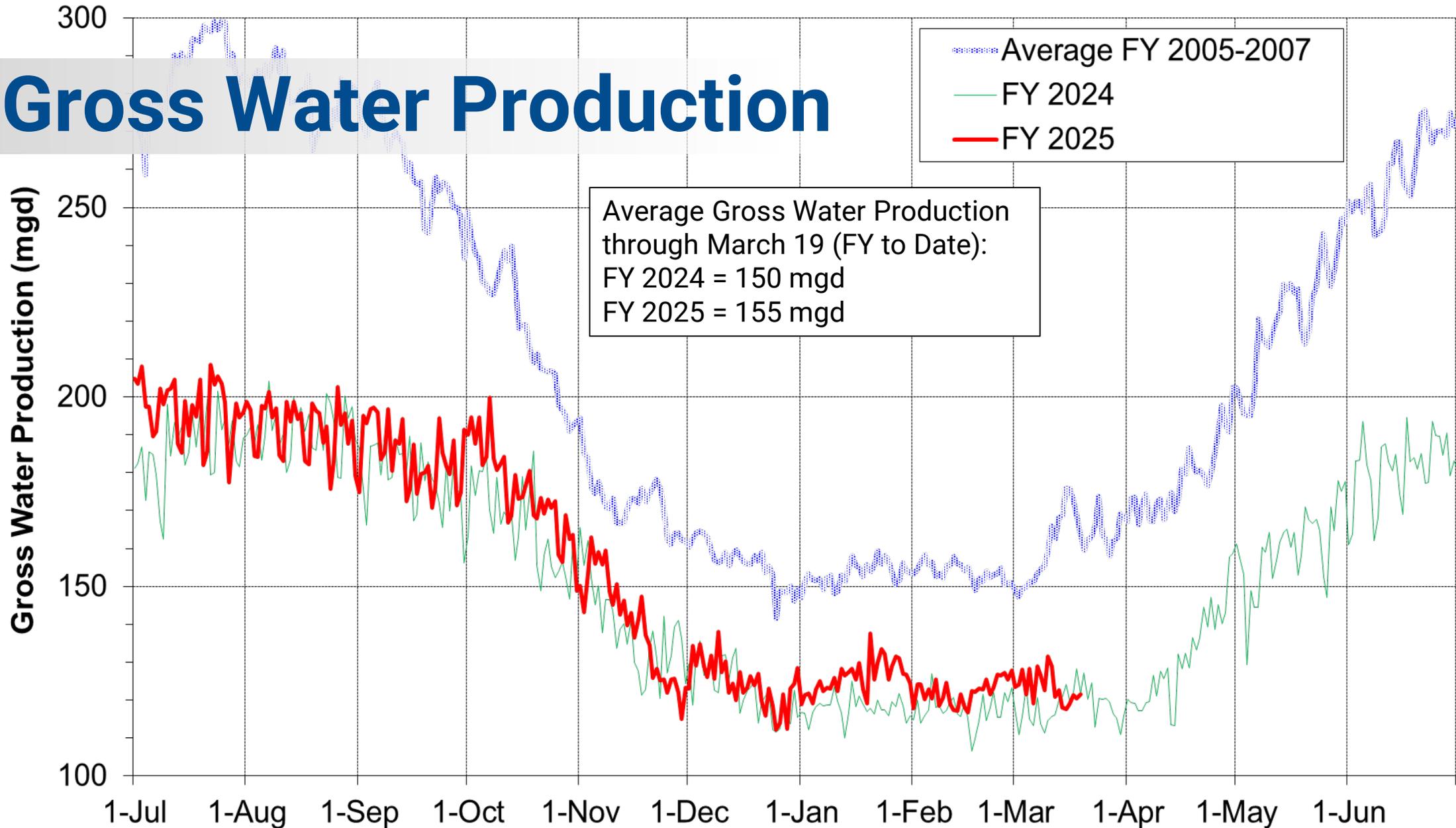
Briefing Topics

- Current Water Supply
- Water Supply Projections

Current Water Supply

A blue-tinted photograph of a river flowing over rocks, surrounded by dense forest. The river is the central focus, with water cascading over numerous dark, rounded rocks. The banks are lined with thick, leafy trees and bushes, creating a lush, natural setting. The overall scene is serene and emphasizes the natural source of water.

Gross Water Production



Reservoir Storage

| As of 3/19/2025 | Current Storage | Percent of Average | Percent of Capacity |
|------------------------|------------------------|---------------------------|----------------------------|
| Pardee | 180,670 AF | 97% | 89% |
| Camanche | 320,730 AF | 111% | 77% |
| East Bay | 136,210 AF | 100% | 91% |
| Total System | 637,610 AF | 104% | 83% |

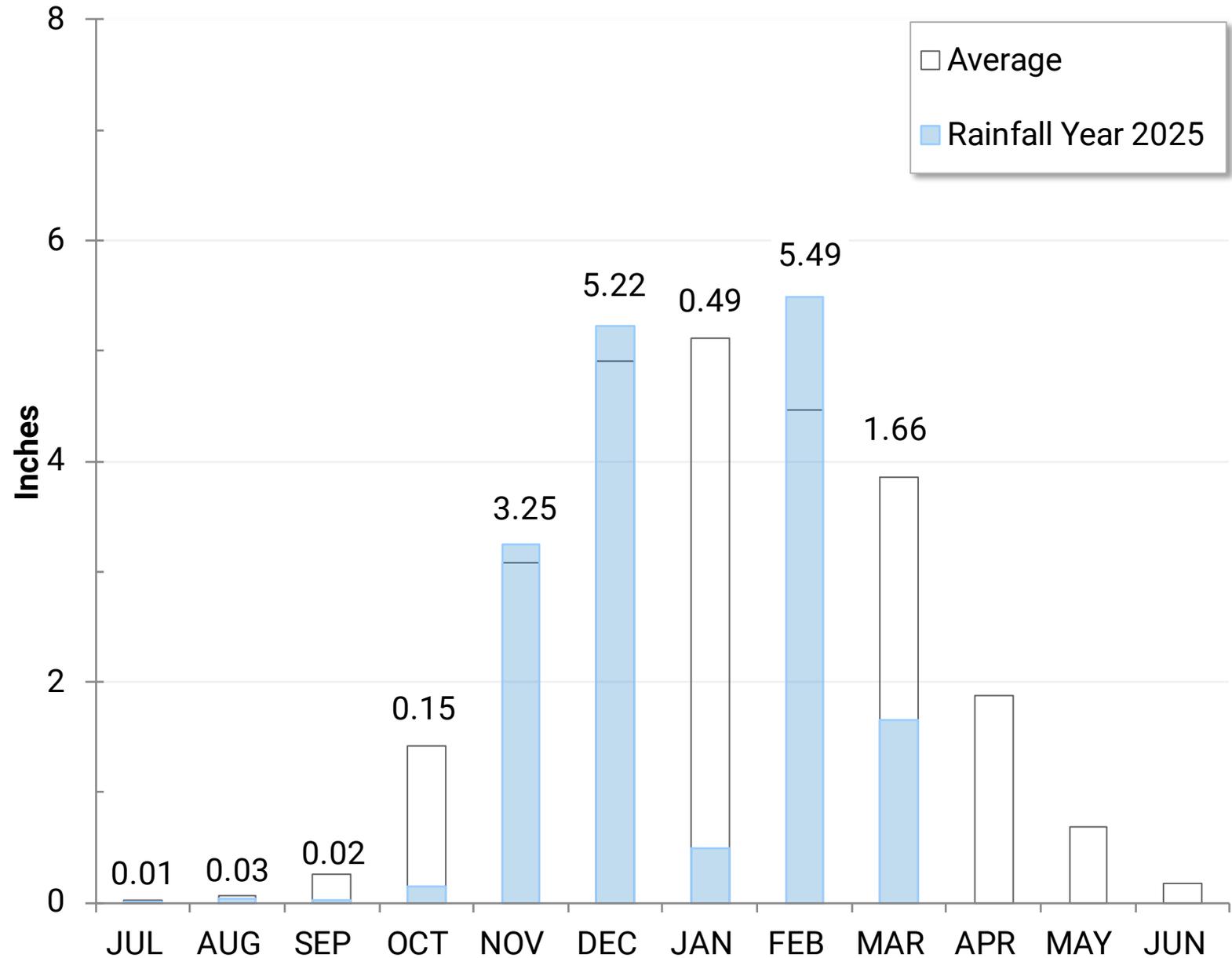
AF: Acre-Feet

Precipitation as of March 19

East Bay: 16.3"
(73% of average)

Weather Station Details

- USL WTP
- Lafayette Reservoir
- Data collected since 1953

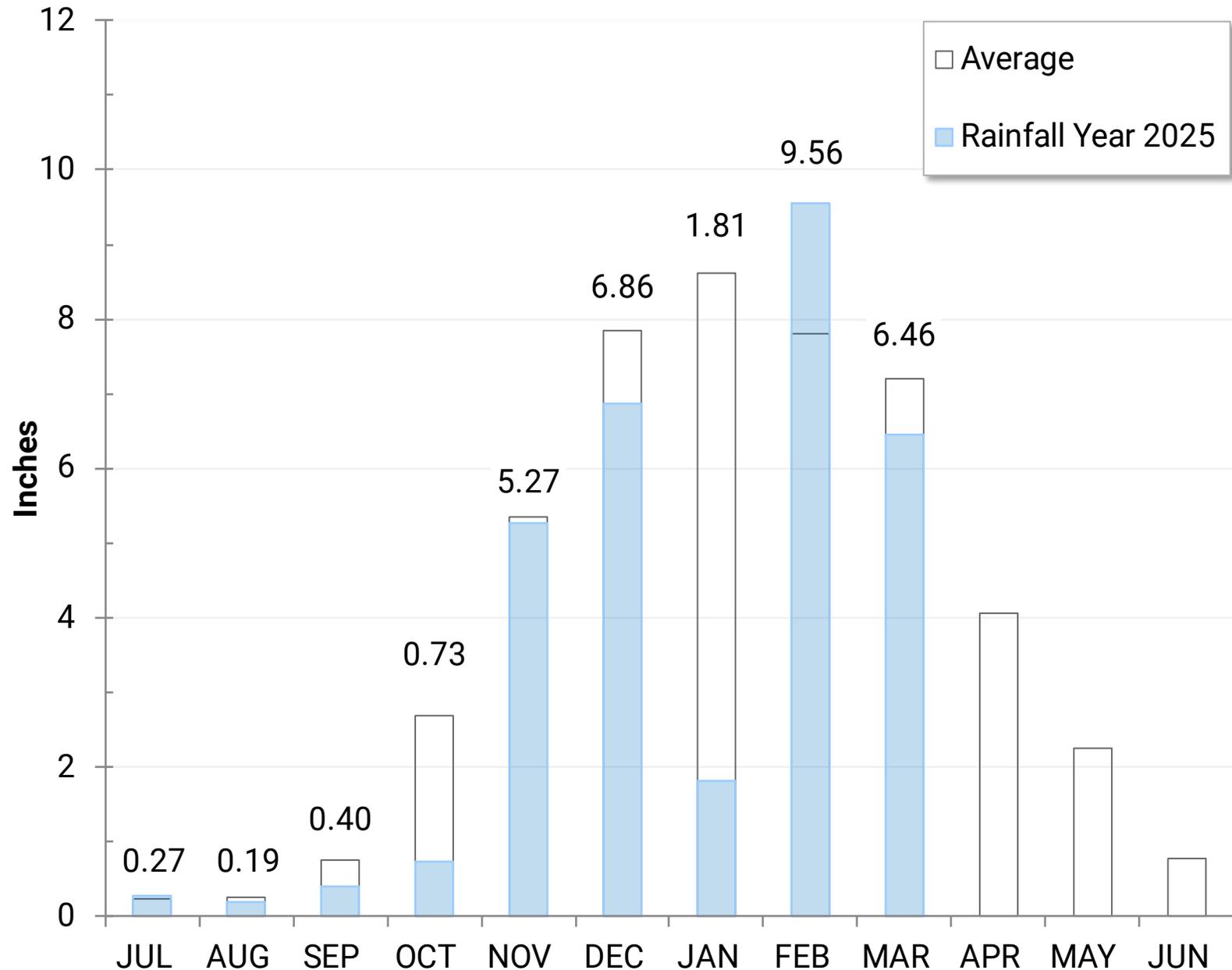


Precipitation as of March 19

Mokelumne: 31.6"
(82% of average)

Weather Station Details

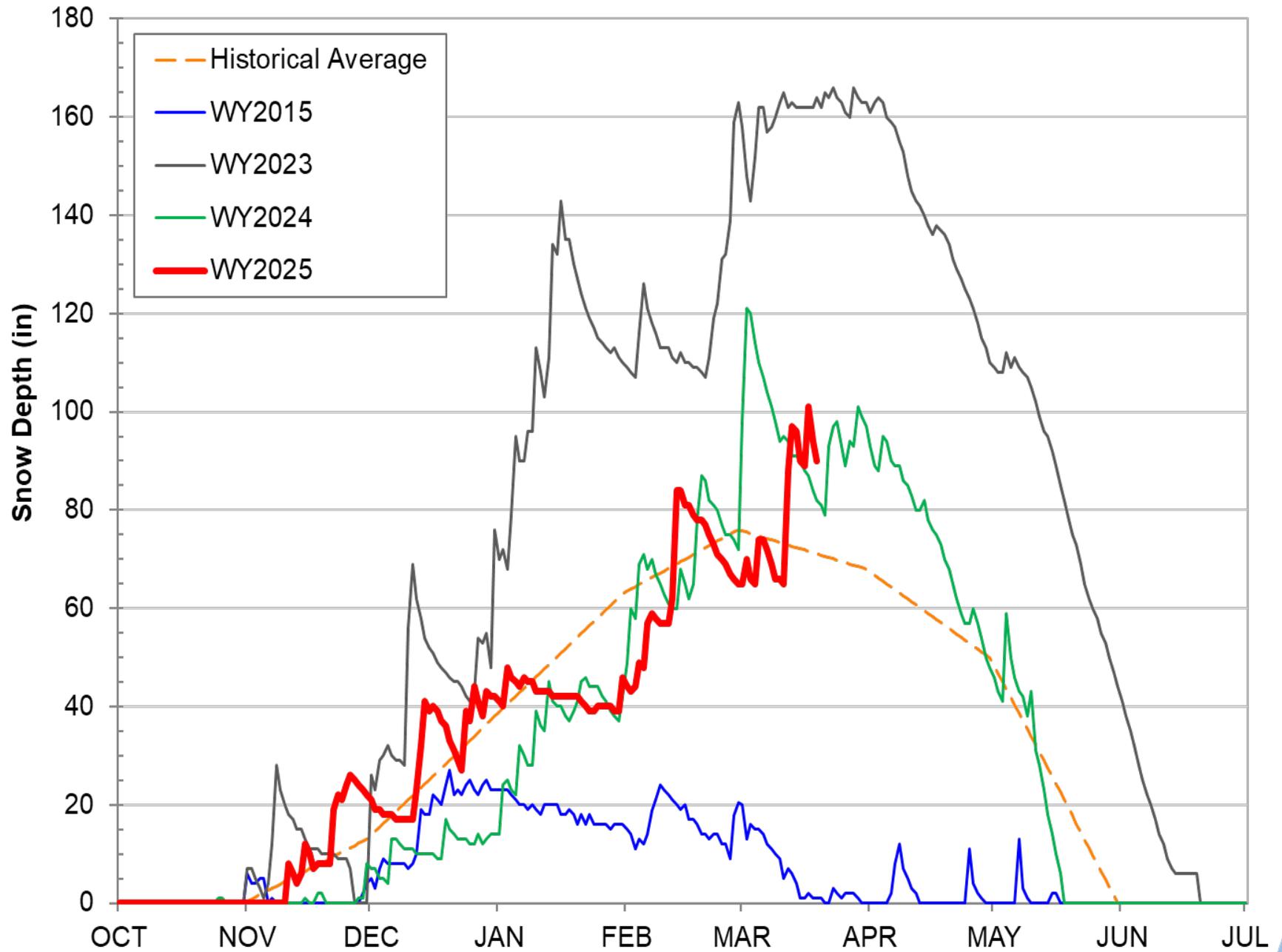
- Calaveras Big Trees
- Caples Lake
- Salt Spring Reservoir
- Tiger Creek Power Station
- Data collected since 1930



Caples Lake Snow as of March 19

Snow Depth – 90”
(127% of average)

Snow Water Content – 23.8”
(86% of average)

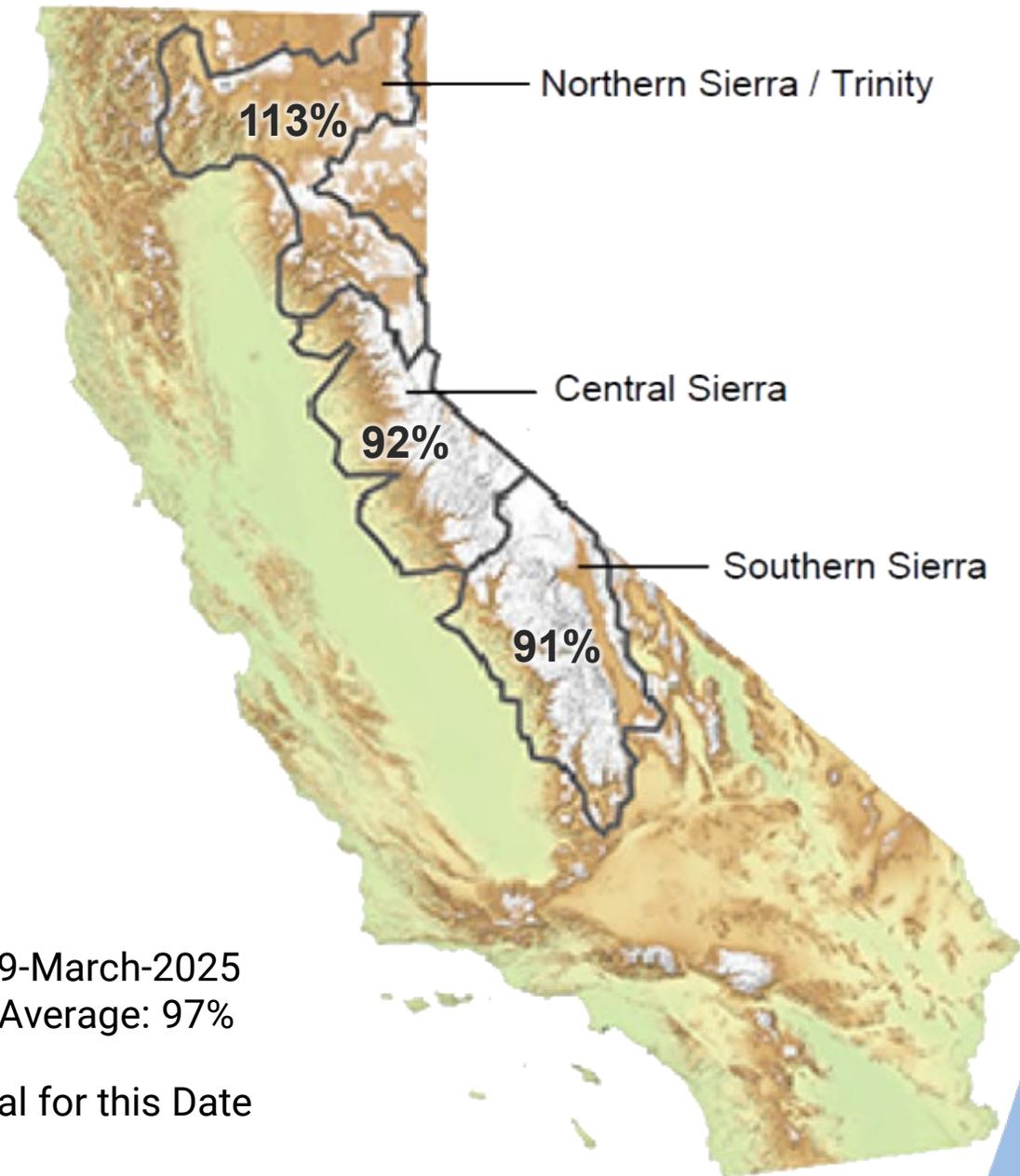




Snowpack as of March 19

Snow Water Equivalent:

92% of Normal in Central Sierra



Data for: 19-March-2025
Statewide Average: 97%

% of Normal for this Date

Heavenly, J. Urness, March 2025



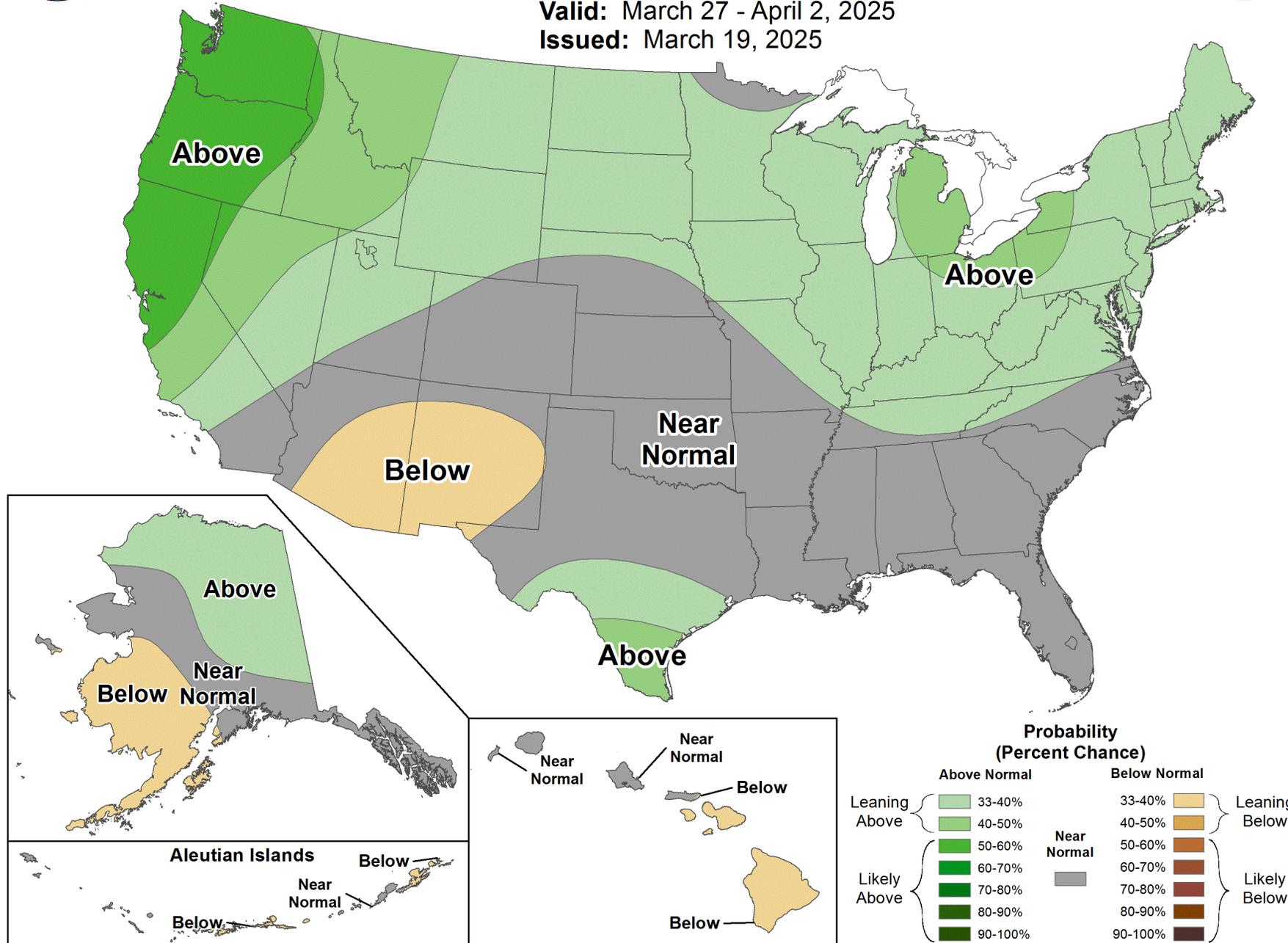
Water Supply Projections



8-14 Day Precipitation Outlook

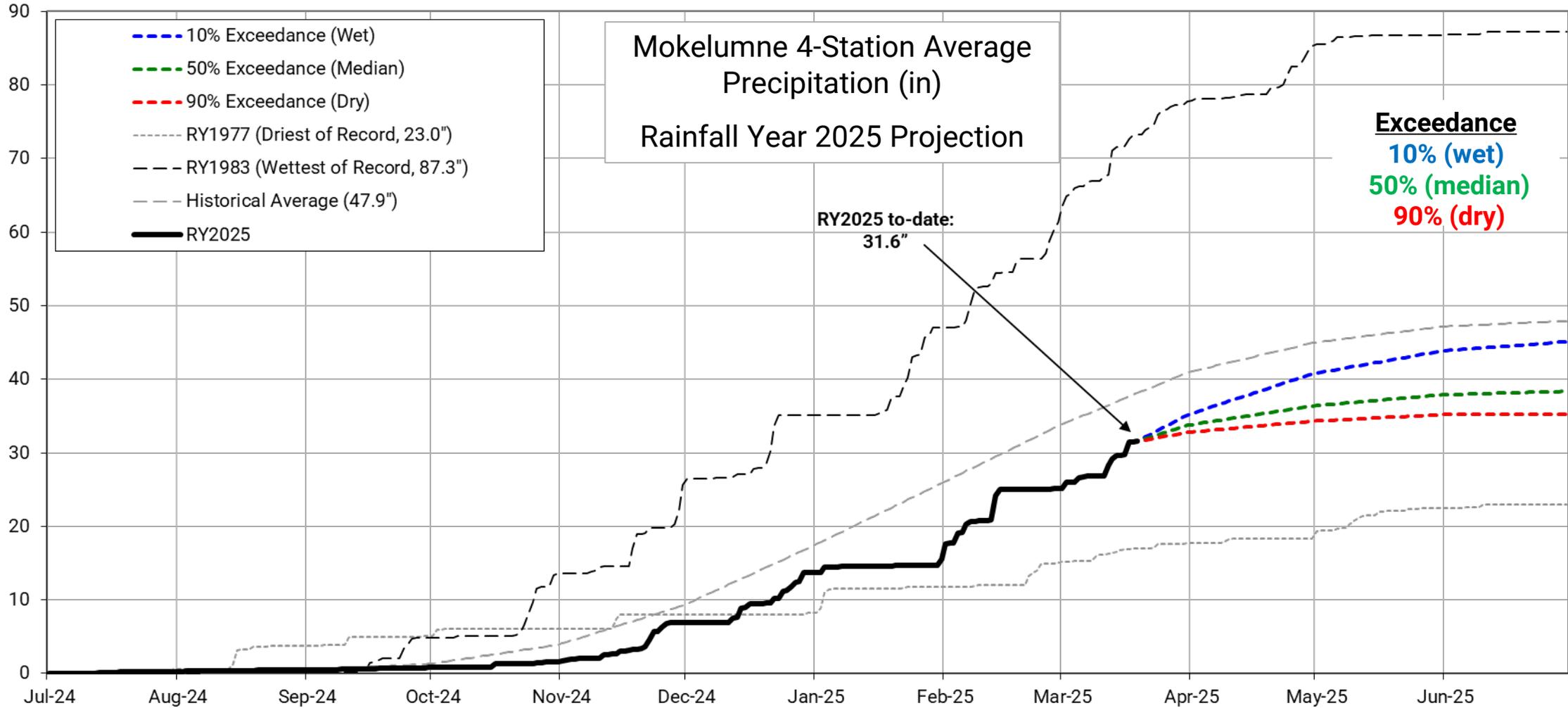


Valid: March 27 - April 2, 2025
Issued: March 19, 2025



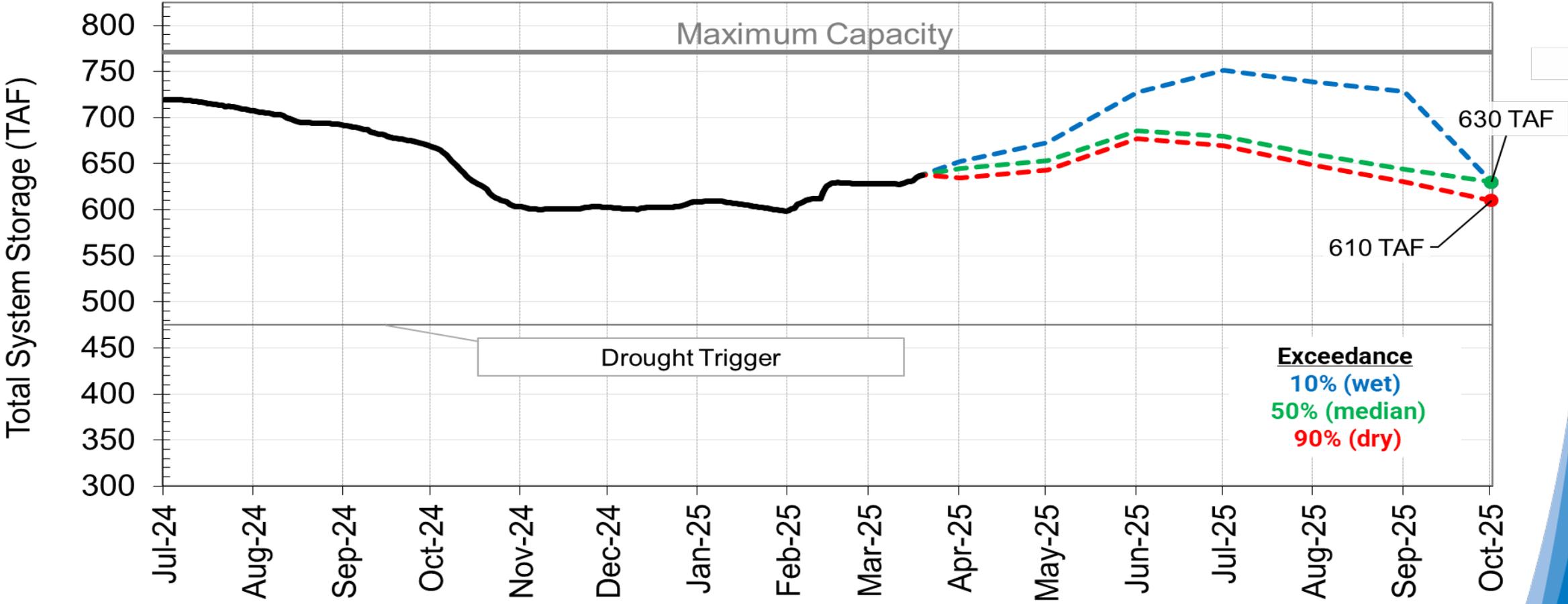
Projected Precipitation

Mokelumne Precipitation Rainfall Year 2025



End of Season Storage

2025 Total System Storage Projections





Questions?



WATER SUPPLY ENGINEERING DAILY REPORT

Wednesday, March 19, 2025

RESERVOIR STORAGE AND ELEVATION

| | <u>WATER SURFACE</u> | | <u>STORAGE</u> | | <u>MAXIMUM CAPACITY</u> | | Release | Spill |
|-----------------------------|----------------------|-------|----------------|-----------|-------------------------|---------------|---------|-------|
| | Elevatio n | +Gain | +Gain | Elevation | Storage | Release | | |
| | Feet | -Loss | Ac-Ft | -Loss | Feet | Ac-Ft | Cfs | Cfs |
| <u>MOKELUMNE</u> | | | | | | | | |
| Pardee | 556.88 | 0.38 | 180670 | 780 | 567.65 | 203795 | 426 | 0 |
| Camanche | 221.83 | 0.04 | 320730 | 260 | 235.5 | 417120 | 330 | 0 |
| <u>EAST BAY</u> | | | | | | | | |
| Briones | 574.88 | 0 | 58080 | 0 | 576.14 | 58960 | 0 | 0 |
| Chabot | 223.26 | 0 | 9040 | 0 | 227.25 | 10350 | 0 | 0 |
| Lafayette | 437.72 | 0 | 2910 | 0 | 449.16 | 4250 | 0 | 0 |
| San Pablo | 300.42 | 0.03 | 27720 | 20 | 313.68 | 37915 | 0 | 0 |
| Upper San Leandro | 459.41 | 0.02 | <u>38460</u> | <u>10</u> | 459.98 | <u>38905</u> | 0 | 0 |
| <u>Total East Bay Res.</u> | | | <u>136210</u> | <u>30</u> | | <u>150380</u> | | |
| TOTAL SYSTEM STORAGE | | | 637610 | 1070 | | 771295 | | |

| DISTRIBUTION SYSTEM | | |
|------------------------------------|-----------------|--------------|
| <u>DISTRIBUTION RESERVOIRS</u> | | |
| | Storage | Operating |
| | MG | Capacity |
| Today | 330 | 720 |
| Total Previous Day | <u>337</u> | |
| Total Change | -7 | |
| <u>WATER PRODUCTION AND DEMAND</u> | | |
| | Million Gallons | Capacity MGD |
| Lafayette WTP | 8.3 | 25 |
| Orinda WTP | 91 | 190 |
| San Pablo WTP | 0 | 30 |
| Sobrante WTP | 0 | 50 |
| Upper San Leandro WTP | 0 | 45 |
| Walnut Creek WTP | 15.3 | 90 |
| <u>TOTAL SURFACE PRODUCTION</u> | 114.6 | 430 |
| Miscellaneous(Estimated) | 0.4 | |
| <u>TOTAL WATER PRODUCTION</u> | <u>115</u> | |
| Change in Distribution System | -7 | |
| Wash Water from Distribution Sys. | 0 | |
| <u>SYSTEM DEMAND</u> | 121.5 | |
| East-of-Hills Demand | 24.6 | |
| West-of-Hills Demand | 96.9 | |

| MOKELUMNE SYSTEM | | | |
|---|--------------|-----------------|------------------|
| <u>AQUEDUCT DELIVERIES</u> | | | |
| | MG | Flow Conditions | |
| Line 1 | 30.5 | THROTTLE | |
| Line 2 | 43.3 | THROTTLE | |
| Line 3 | 43.7 | <u>THROTTLE</u> | |
| TOTAL | 117.5 | 182 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> | | | |
| | | Cfs | |
| Mokelumne River Natural Flow | | 1267 | |
| Pardee Reservoir Inflow | | 1012 | |
| Pardee Release to Camanche Res. | | 426 | |
| Pardee Release to JVID | | 0 | |
| Camanche Release to Mokel. River | | 330 | |
| <u>PG&E CO. STORAGE (Acre-feet)</u> | | | |
| | Storage | Change | Maximum Capacity |
| Old Reservoirs | 12659 | 83 | 26560 |
| Salt Springs Res. | 26334 | 396 | 141857 |
| Lower Bear Res. | <u>22796</u> | <u>26</u> | <u>52025</u> |
| Total | 61789 | 505 | 220442 |

| | <u>RAW WATER TRANSMISSION</u> | |
|---------------------|-------------------------------|-------------|
| | Ac-ft INPUT | Ac-ft DRAFT |
| Briones Res. | 0 | 0 |
| San Pablo Res. | 9 | 0 |
| U. San Leandro Res. | 0 | 0 |
| TOTAL | 9 | 0 |

| <u>STATION</u> | <u>PRECIPITATION (Inches)</u> | | | | |
|---------------------|-------------------------------|-------------------|-----------------------|-----------------------|---------------------|
| | <u>THIS YEAR</u> | | | <u>AVERAGE YEAR</u> | |
| | <u>Today</u> | <u>This Month</u> | <u>Season to-Date</u> | <u>Season to-Date</u> | <u>Season Total</u> |
| USL WTP | 0 | 1.49 | 17.8 | 21.05 | 25.33 |
| Orinda WTP | 0 | 2.82 | 25.5 | 26.66 | 32.06 |
| Lafayette Reservoir | 0 | 1.83 | 14.8 | 23.61 | 28.18 |
| Walnut Creek WTP | 0 | 1.75 | 17.88 | 19.57 | 23.02 |
| Camp Pardee | 0 | 3.66 | 13.05 | 17.11 | 21.56 |
| Salt Springs P.H. | 0.01 | 6.12 | 28.21 | 35.8 | 45.51 |

REMARKS
 WID Canal Diversion = 45 cfs
 Mokelumne River below WID = 230 cfs

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

| <u>CAPLES LAKE (7,830 FT) DATA</u> | | | | |
|------------------------------------|-------------|-------------|--|--|
| | Today | Average | | |
| Snow Depth | 90 Inches | 71 Inches | | |
| Water Content | 23.8 Inches | 27.6 Inches | | |