



Orange County Water District

Presentation to Mesa Water District
April 10, 2024



Topics

1. FY 2024-2025 Proposed Budget
2. Per-and Polyfluoroalkyl Substances
3. Talbert Seawater Barrier
4. Groundwater Replenishment System
5. Groundwater Basin Conditions



1. FY 2024-2025 Proposed Budget

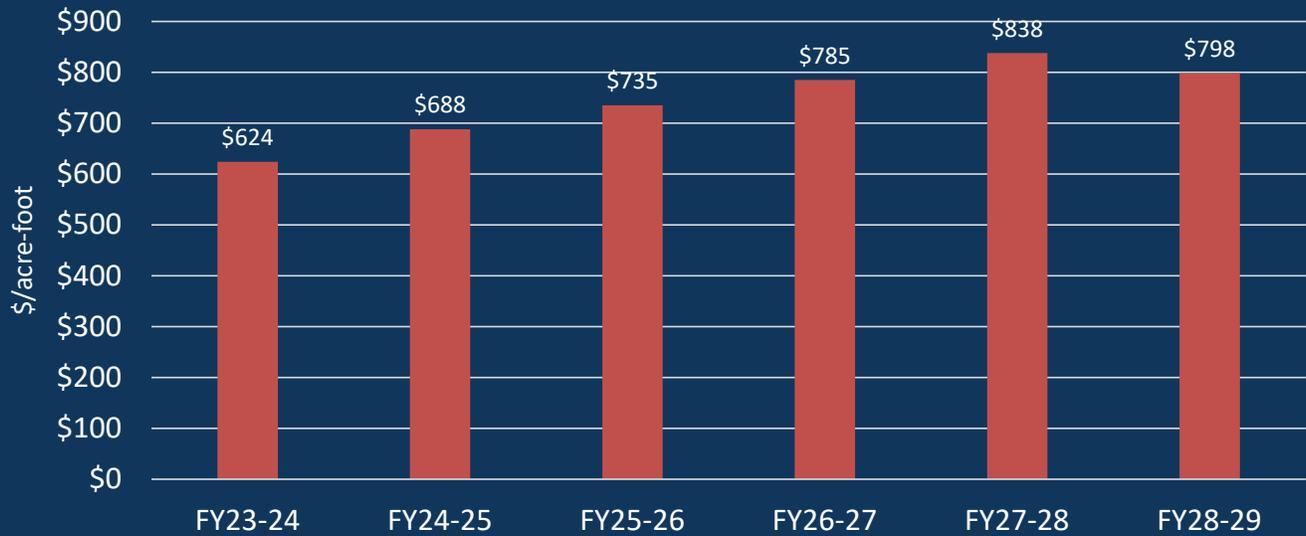


FY 2024-2025 Budget Recommendations

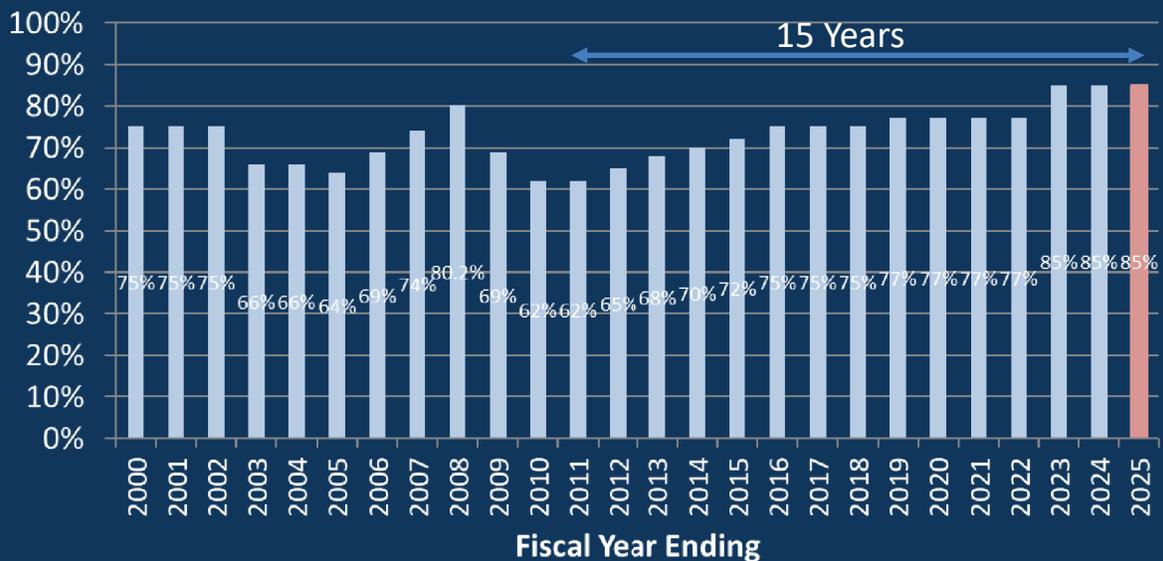
- Maintain the Basin Production Percentage at 85%
- Increase Replenishment Assessment from \$624/af to \$688/af:
 - Large increase to chemical and energy costs to operate GWRS
 - Generate \$58 million of funding for PFAS treatment systems
- No MWD untreated water purchases
- Reduce groundwater basin accumulated overdraft by ~21,000 acre-feet with average hydrology



Five Year Replenishment Assessment Projections



Historical Basin Production Percentage





2. Per- and Polyfluoroalkyl Substances (PFAS)



PFAS

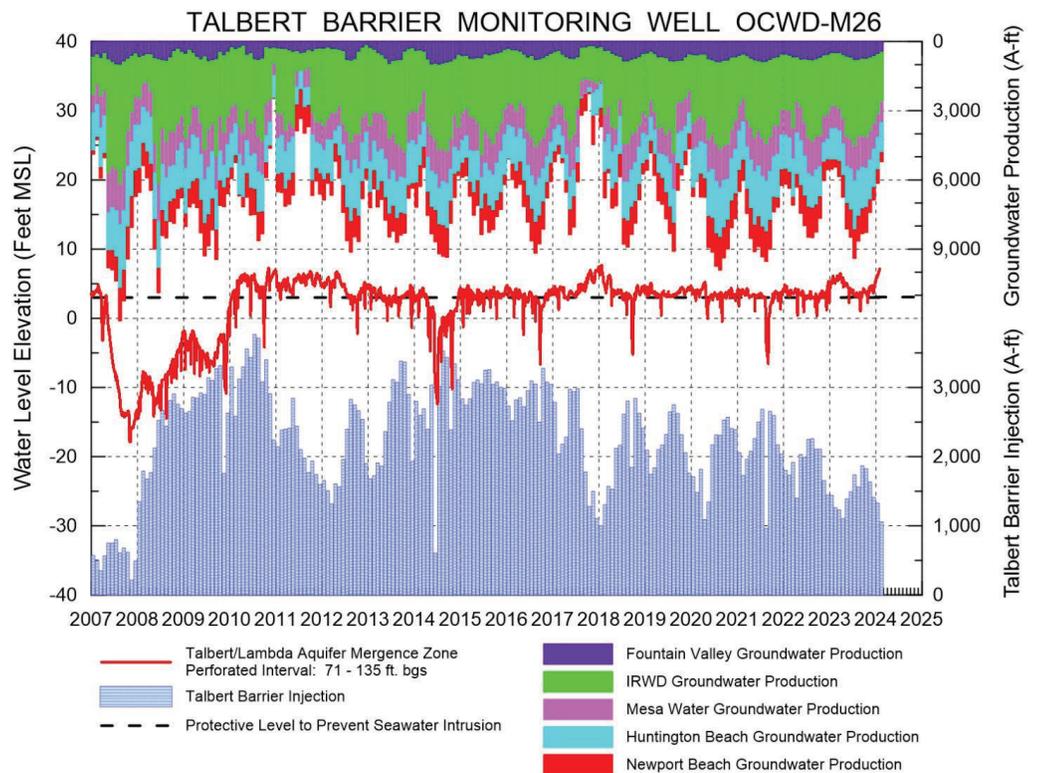
- 62 wells currently impacted with PFAS – 11 Groundwater Producers:
 - Treatment capital cost of \$300 million
 - 38 wells back in operation with PFAS treatment systems
 - 17 wells in construction
 - 7 wells in design
- Proposed EPA 4 parts per trillion PFOA MCL:
 - Expect announcement any day
 - Would impact 40 additional wells
 - Capital cost of ~\$240 million



3. Talbert Seawater Barrier

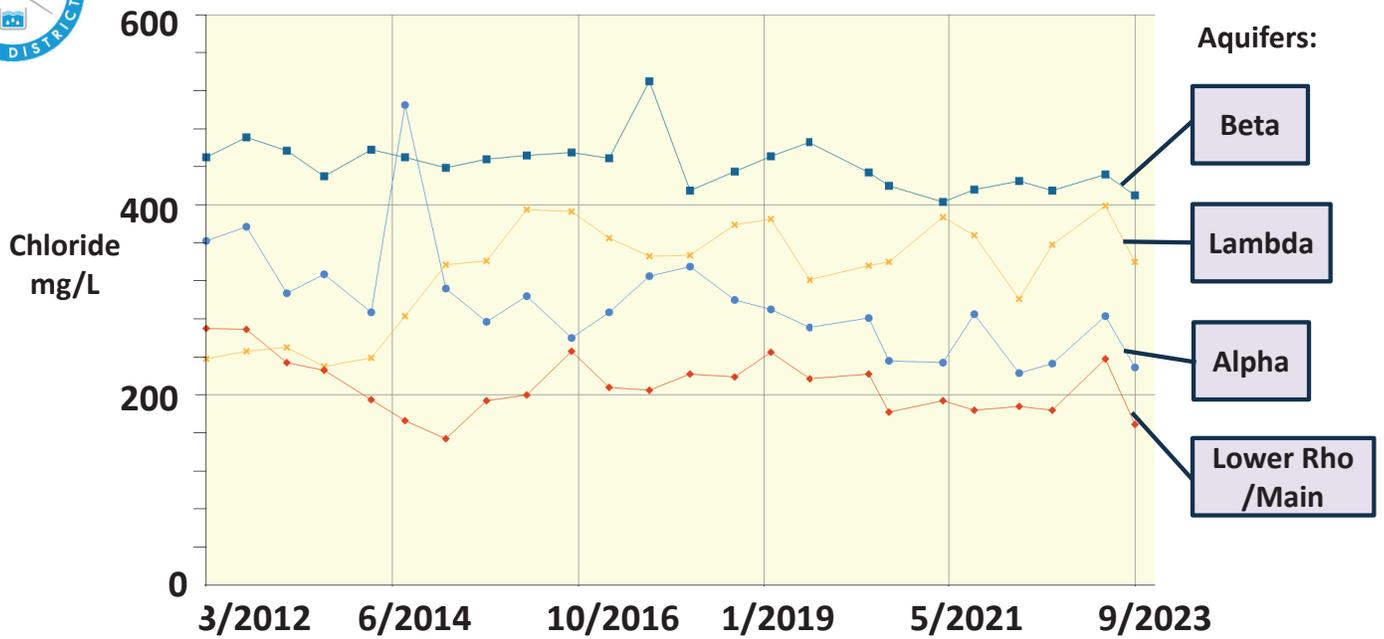


- Maintaining Protective Water Levels
- Currently injecting less than 10-12 mgd

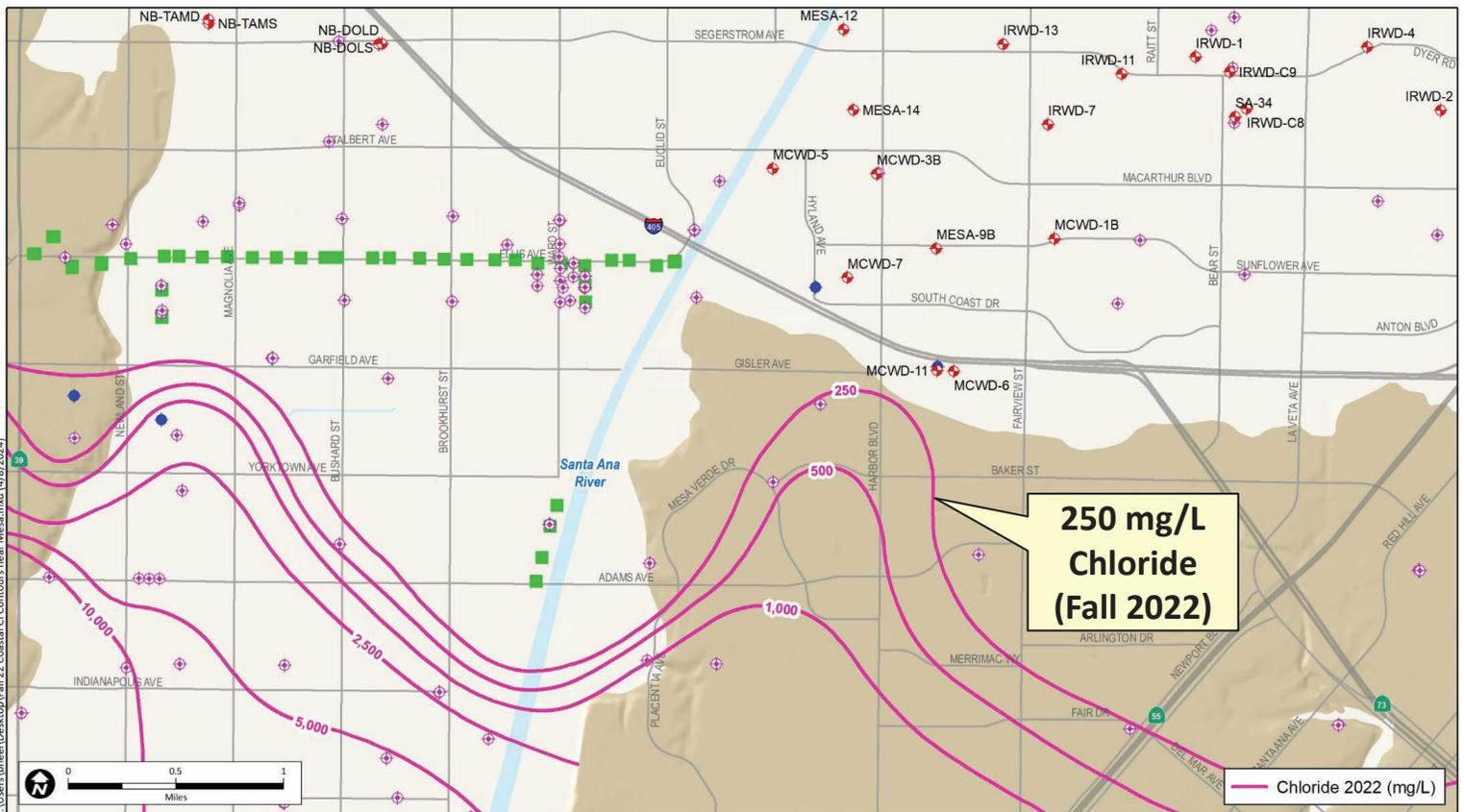




Chloride concentrations beneath the Newport Mesa continue to be stable.



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4. Groundwater Replenishment System



Groundwater Replenishment System

- 130 mgd project capacity
- Total Cost \$906 million
- Currently not operating at full capacity



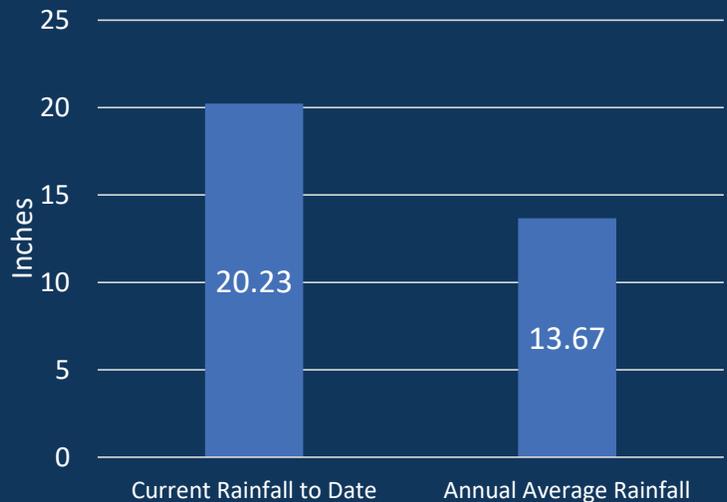


5. Groundwater Basin Conditions



OCWD Anaheim Field Headquarters Rain Gage

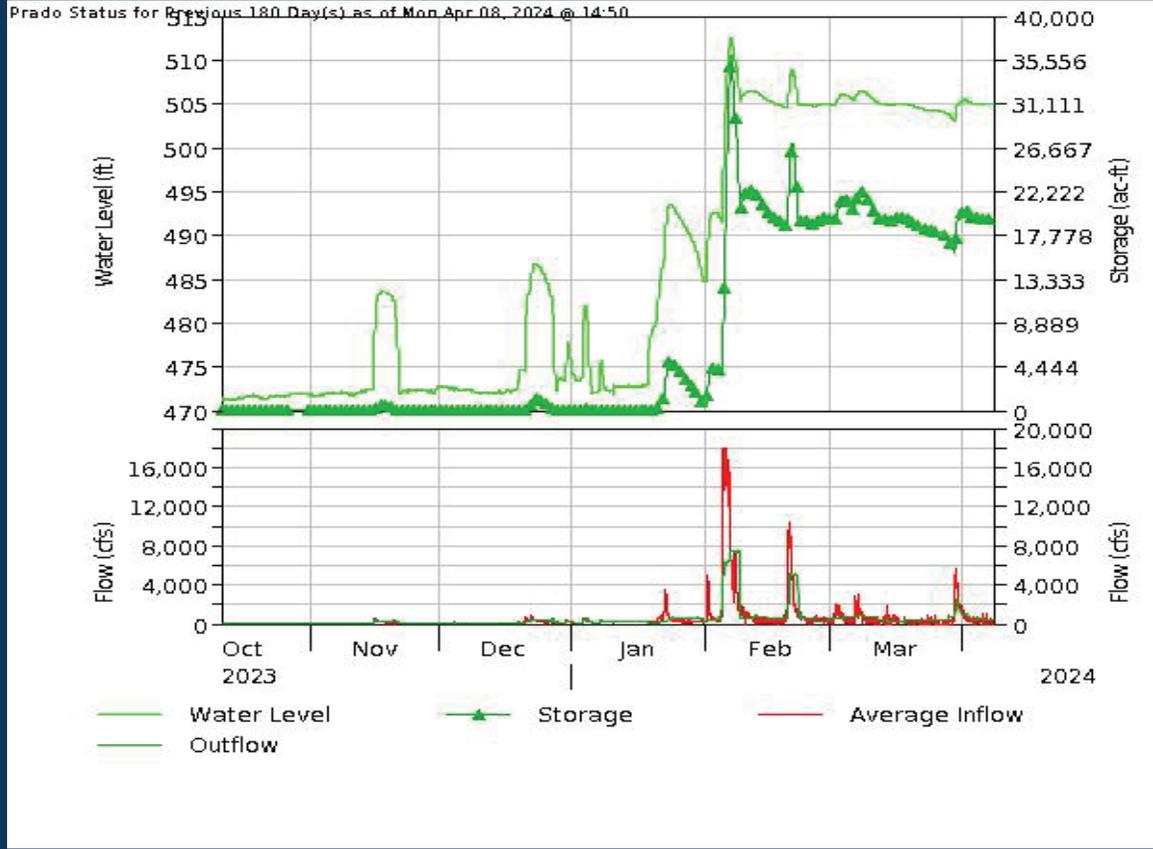
As of April 8, 2024





Recent Prado Dam Operations Last 180 days

<http://resreg.spl.usace.army.mil/cgi-bin/sLatestBasin.cgi?sar+elev>



OCWD Groundwater Basin Accumulated Overdraft

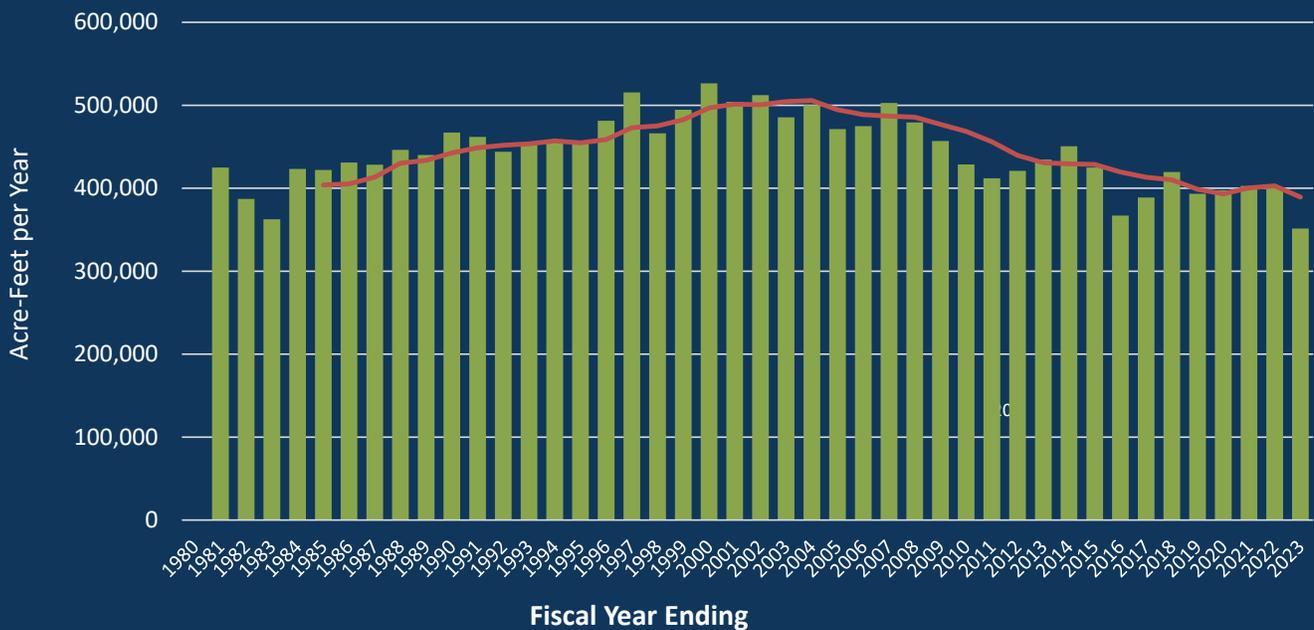




Questions



Historical Total Water Demands (Groundwater & Imported Water) for the 19 Groundwater Producers





Current OCWD Service Territory Water Supply Sources

Total Water Demands of the 19 Groundwater Producers = ~370,000 afy

