

Welcome



Mark Monin
Chair, WACO
Director, El Toro Water District



WACO Meeting – February 2, 2024



I pledge allegiance to the flag
of the United States of
America, and to the republic
for which it stands, one nation
under God, indivisible, with
liberty and justice for all.

Reminders

- Participants will be muted during the presentation
- We will hear the reports, then from the program speakers
- Q&A will be conducted after the presentation
- To ask a question, please use the chat box or raise hand feature



MET Report



Karl Seckel
MWDOC MET Director

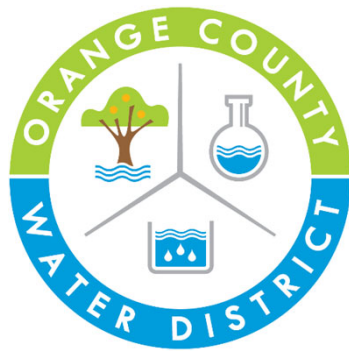


February 2024 Report on Metropolitan Water District

- 💧 **Financial Health of MET given the low level of water sales and the funding needed**
- 💧 **Climate impacts on existing and future water supplies**
- 💧 **CAMP 4 Water decision-making re projects and an updated Business Model for MET**
- 💧 **State Water Project Dependent Area needs**
- 💧 **Level of investment in Water Use Efficiency/compliance with SWRCB Regulations**
- 💧 **Colorado River Post 2026 Decisions**
- 💧 **Staffing needs at MET**
- 💧 **Bay-Delta Voluntary Agreements**
- 💧 **Future Settlement of issues between MET and San Diego County Water Authority**
- 💧 **Major Projects on the horizon:**
 - **Pure Water Southern California**
 - **Sites Reservoir**
 - **East/West Conveyance to serve the State Water Project Dependent areas**
 - **Storage – surface & groundwater, in-basin and external to MET**
 - **Rehab and Replacement for an Aging System/Pre-Stressed Concrete Cylinder Pipe Lining**
 - **Delta Conveyance Project**



ACWA Report



SINCE 1933



Program



*John Kennedy
Incoming GM, Orange
County Water District*





State of the Orange County Groundwater Basin

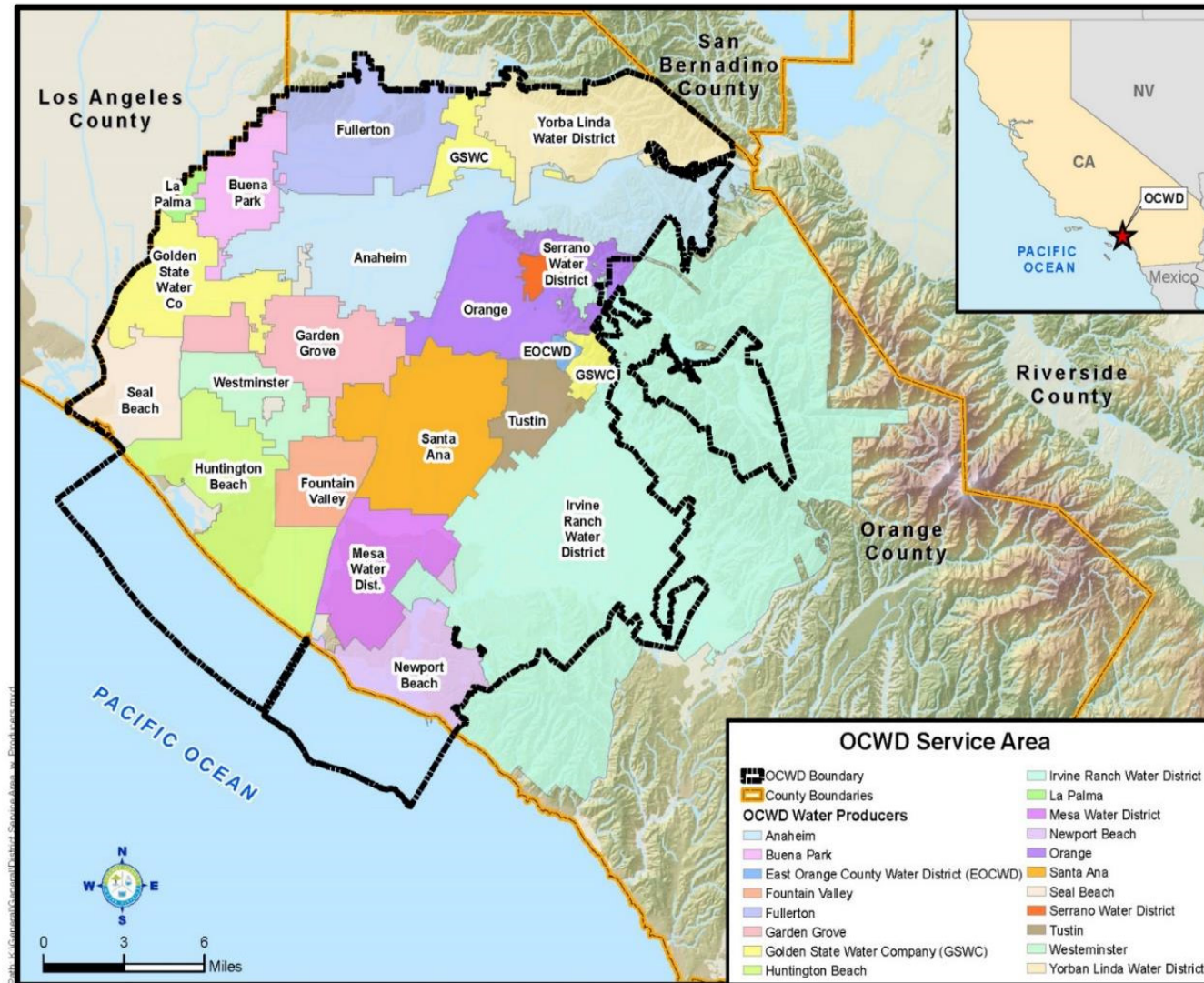


John Kennedy
General Manager

February 2, 2024

Orange County Water District

- Formed in 1933
- 10-member Board of Directors
- Manage and protect the Orange County Groundwater Basin
- Protect Orange County's rights to Santa Ana River water
- Basin supplies 85% of drinking water for 19 cities and retail water districts in north/central OC, serving 2.5 million people



OCWD Operations

- \$1.5 billion of operational assets
- Groundwater Replenishment System (GWRS)
- Stormwater capture (Prado Dam)
- Over 1,000-acre recharge system
- Philip L. Anthony Water Quality Laboratory
- Research & development
- Santa Ana River watershed programs
- 400 acres of constructed wetlands
- Environmental stewardship and habitat restoration



Actions to Protect and Increase Local Water Supplies



- Expanded GWRS to 130 MGD
Recycles 100% of OC San's reclaimable wastewater flows
- Sharing best practices with others as they embark on IPR/DPR projects
- Continued research and innovation to improve operations, efficiency, water quality
- We are open for tours!



- Capture and store stormwater behind Prado Dam
- Implementing Forecast Informed Reservoir Operations (FIRO) Increase water conservation elevation to allow more water storage behind dam
- Increase percolation in OC Groundwater Basin, maximizing regional water supply



- Regional groundwater banking program
- Allow for surface water to be recharged and stored in local groundwater basins during wet years and pumped during dry periods, droughts or other emergency conditions
- Could store up to 150,000 acre-feet of water



- \$1.8 billion price tag
- Continue to build PFAS treatment plants and bring impacted wells back online (34 wells back online)
- Ongoing issue: ~40 wells can be impacted by future regulations
- OCWD funding 100% design and construction and 50% O&M costs

Groundwater Basin Management Objectives

Board annually sets:

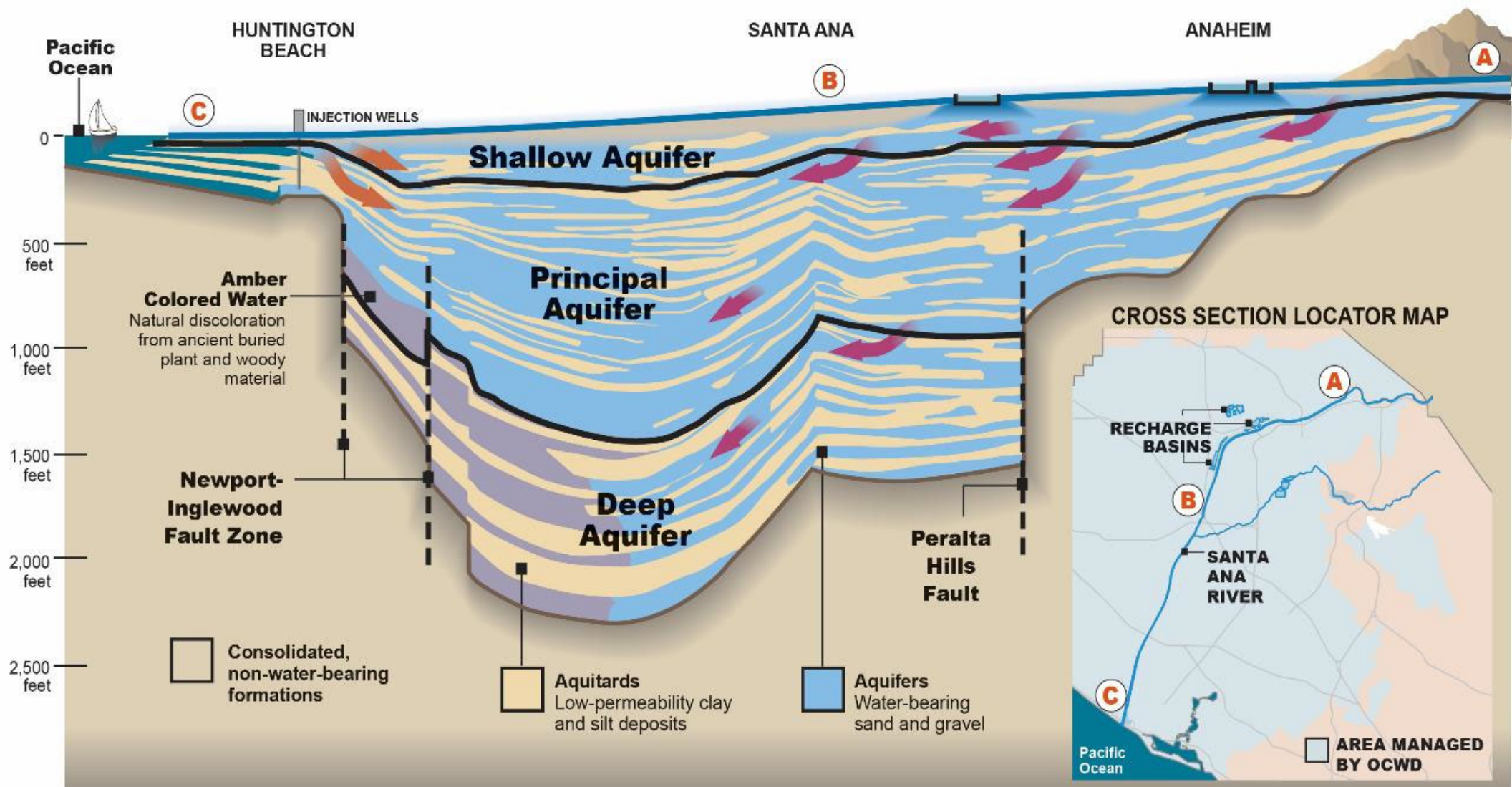
- Basin Pumping Percentage (BPP) –
how much can be pumped
- Replenishment Assessment (RA) –
cost of groundwater

1

Manage the groundwater basin to provide a relatively high and stable Basin Production Percentage (85% or greater)

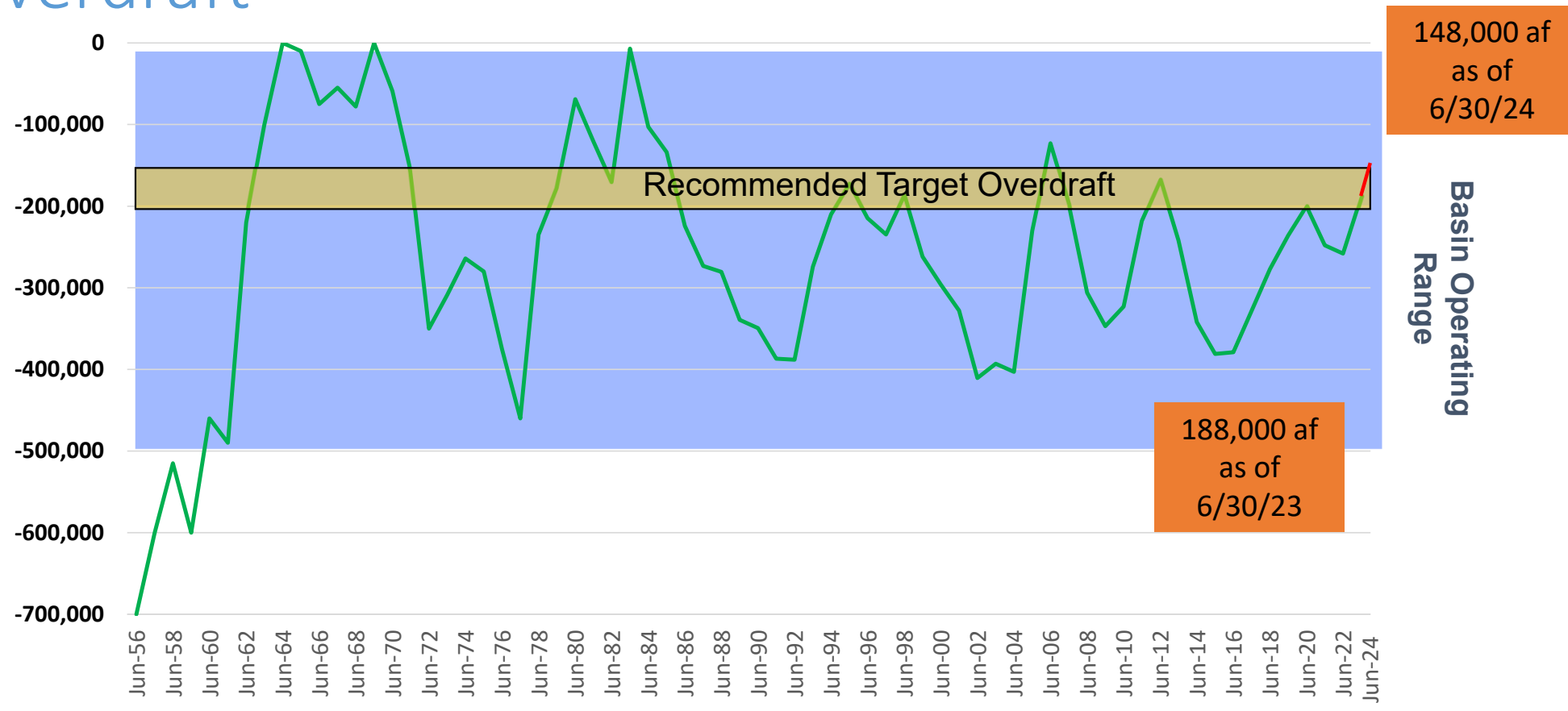
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Manage the basin as a storage reservoir - Maintain storage supplies for drought periods where imported MWD supplies could be restricted

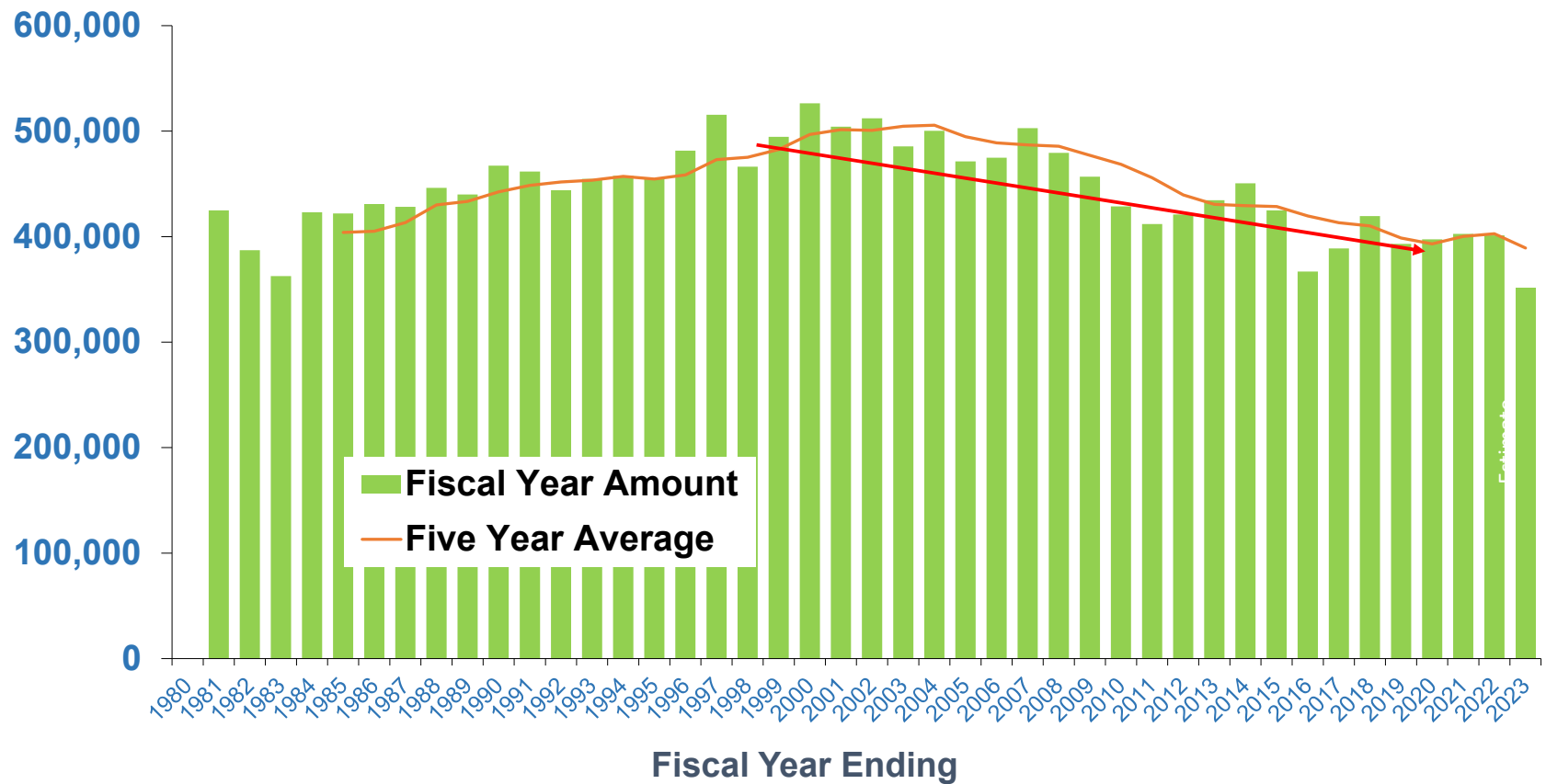


OC Groundwater Basin

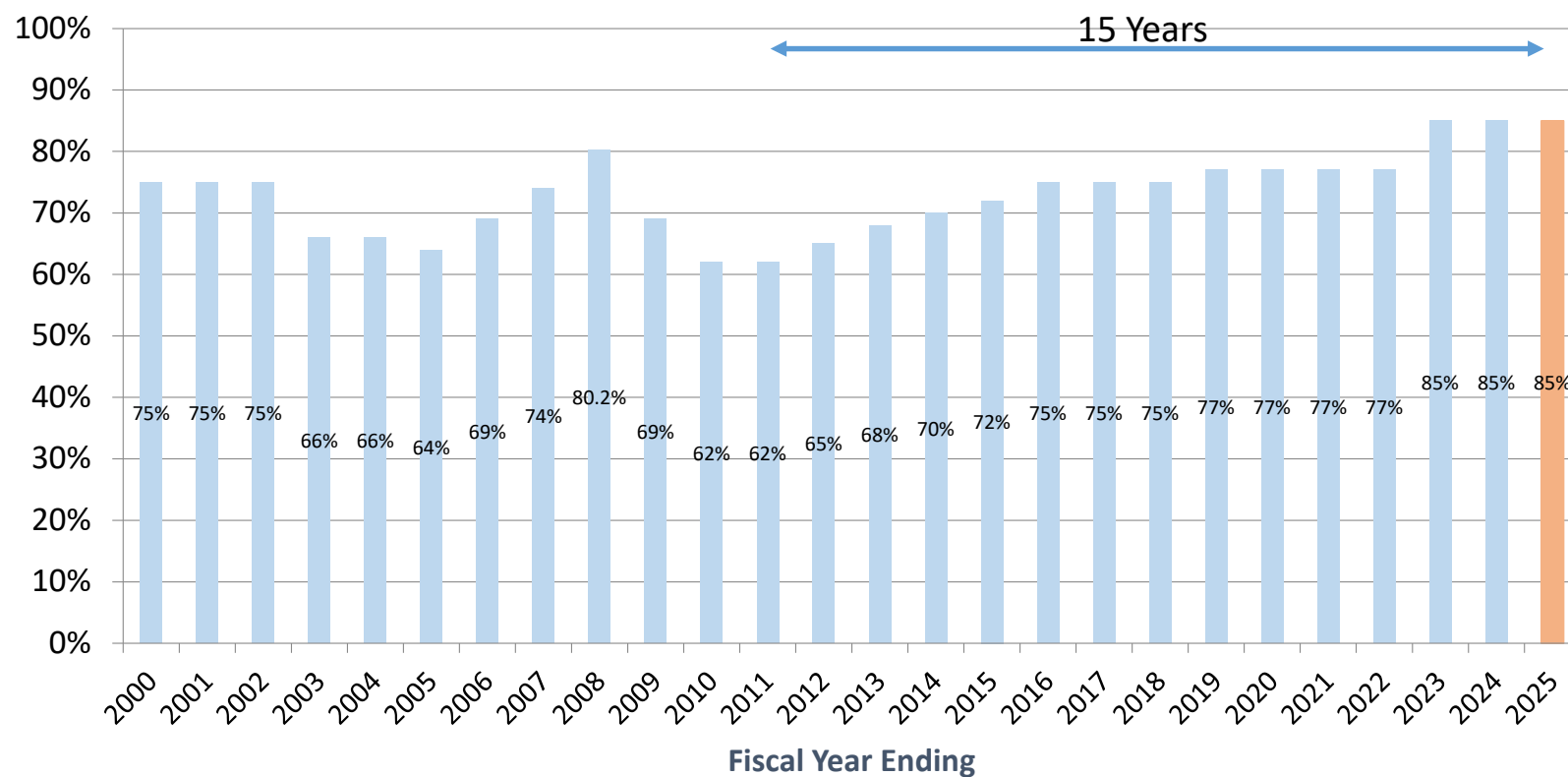
OCWD Groundwater Basin Accumulated Overdraft



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

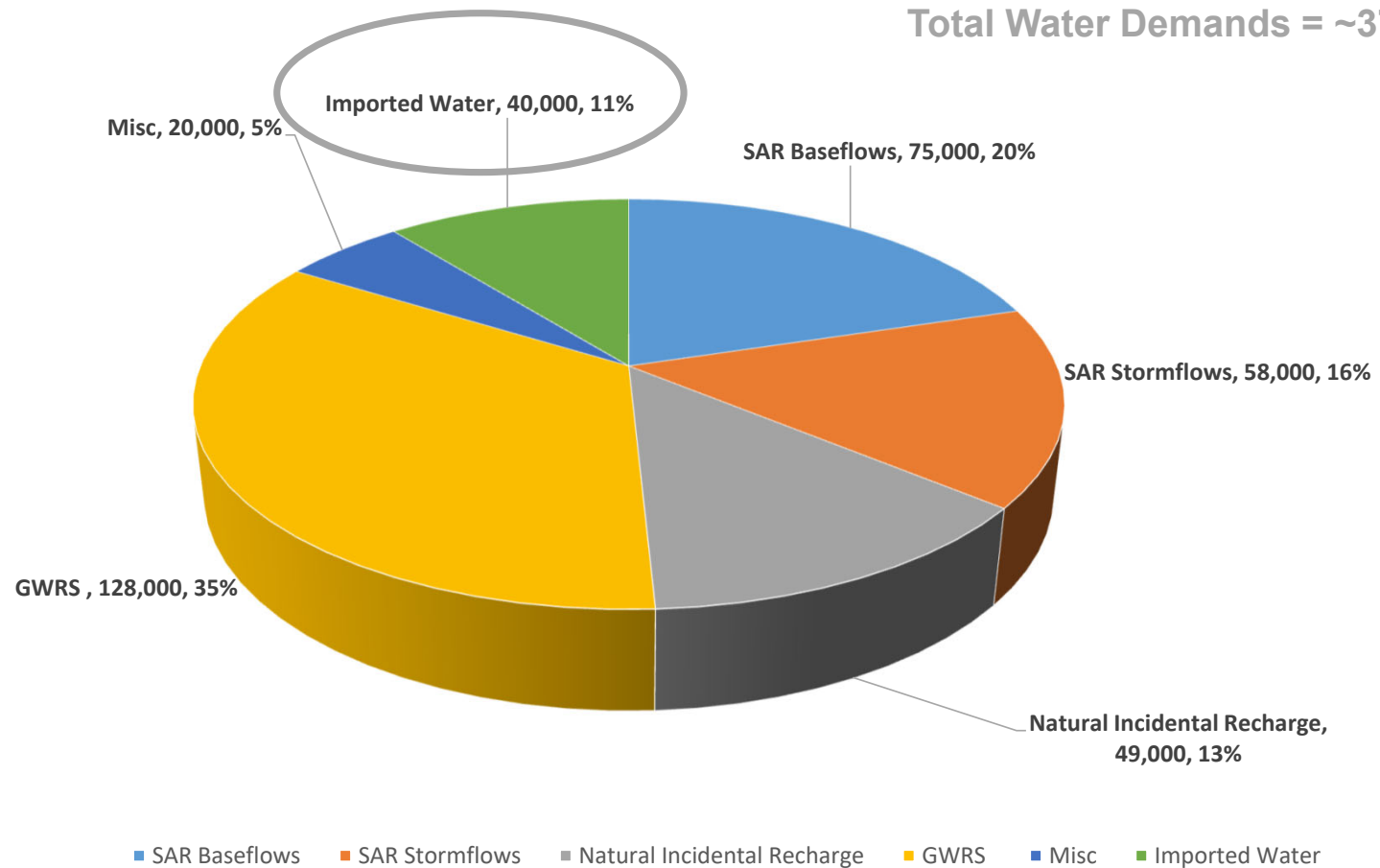


Historical Basin Production Percentage



Current OCWD Service Territory Water Supply Sources

Total Water Demands = ~370,000 afy



FY 2024-25 Projected Groundwater Basin Water Balance

Water Source	Amount (afy)
SAR Baseflow	75,000
SAR Stormflows	58,000
Incidental Recharge	49,000
GWR System	128,000
MWD untreated supplies	0
Other	<u>3,000</u>
Total Water Into Basin	313,000
Expected Pumping @ 85% BPP	<u>292,000</u>
Subtotal Basin Gain/Loss	21,000

PFAS

- Phase I – 62 wells; \$295 million
- Phase II – 40-45 wells; \$270 million
- Has reduced groundwater pumping



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Going Forward – Near Future

- ☑ Don Owen
- ☑ Complete PFAS work
- ☑ Implement FIRO and temporary deviation of 508' at Prado Dam
- ☑ Continue exploring recharge operations efficiencies
- ☑ Sunset Gap Seawater Barrier - ~\$150 million
- ☑ Reexamine the 500,000 acre-foot basin management floor
- ☑ Closely monitor flows from OC San to the GWRS
- ☑ South Basin groundwater clean-up project

Going Forward – Near Future

- ☑ Reexamine loss of water to LA County
- ☑ No immediate plans to purchase any MWD untreated water
- ☑ New second South Orange County emergency storage program
- ☑ Results of LAFCO municipal service review/consolidation study
- ☑ Update projected Santa Ana River base flows
- ☑ Further increasing the BPP?

Going Forward – Long Term

- ☒ MWD Storage agreement expires in 2028
- ☒ Existing South Orange County Emergency Storage Program expires in 2029?
- ☒ Possible connection to MWD Pure Water Project
- ☒ Prado Dam sedimentation issues
- ☒ MWD Cyclic Storage agreement expires in 2027

Questions?

John Kennedy, General Manager

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@OCWaterDistrict





Questions

To ask a question, please use the chat box or use the raise hand feature.





Thank you

Next WACO meeting:

Friday, March 1, 2024 at 7:30am via Zoom

Next WACO planning meeting:

Tuesday, February 20, 2024 at 7:30am via Zoom

