

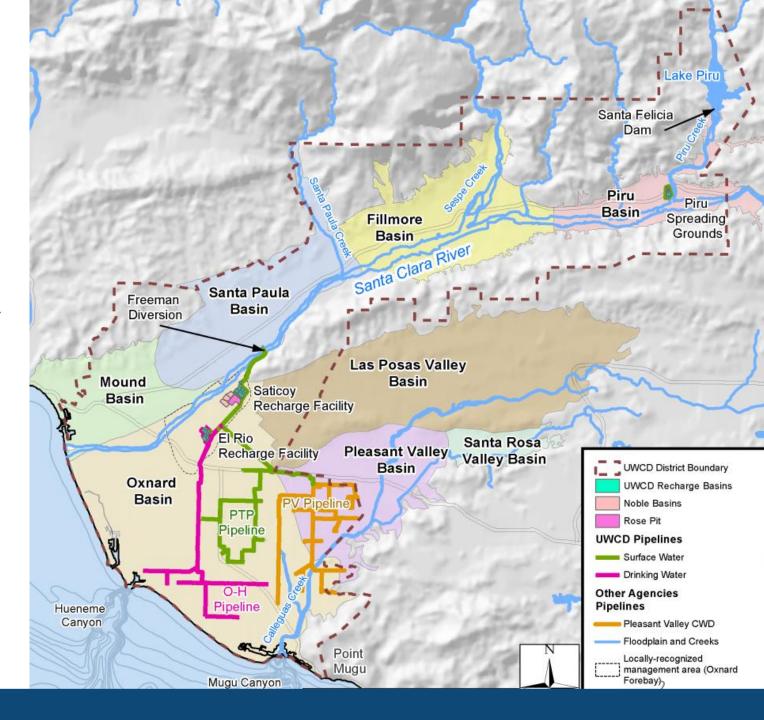


Since 1927

- Large Groundwater Basins in southern Ventura County (all except Santa Paula are DWR high-priority basins)
- Extensive Reliance on groundwater for both Ag and M&I supply
- Long History of overdraft and seawater intrusion in coastal basins

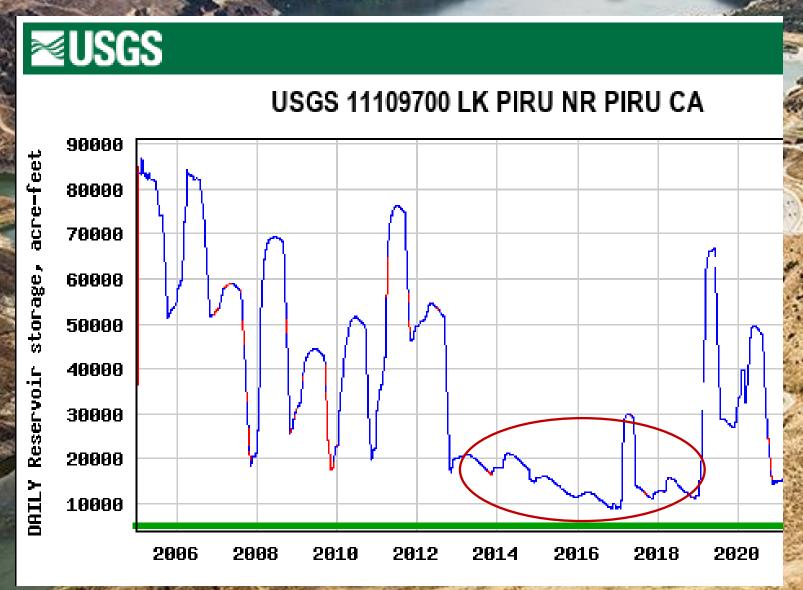
Long history of conjunctive use strategies

- Managed aquifer recharge
- Use surface water and imported water when available
- ◆ Use of groundwater when it is not





Lake Piru Storage





IDF Hypothetical Dam Failure

Main & Center – Piru, CA

- ► Flood Wave: 1.5 M cfs based on inundation map
- ▼ Flood Wave Depth:
 15-20 feet



- Flood Wave:
 1.1 M cfs
- Flood Wave Depth: ~20 feet

10th St & Harvard Blvd Santa Paula, CA



B St. & HWY 126 - Fillmore, CA

- ► <u>Flood Wave:</u> 1.4 M cfs
- ▼ Flood Wave Depth: 10-12 feet



- ► Flood Wave:
 - Flood Wave Depth: 1-2 feet

200,000 cfs

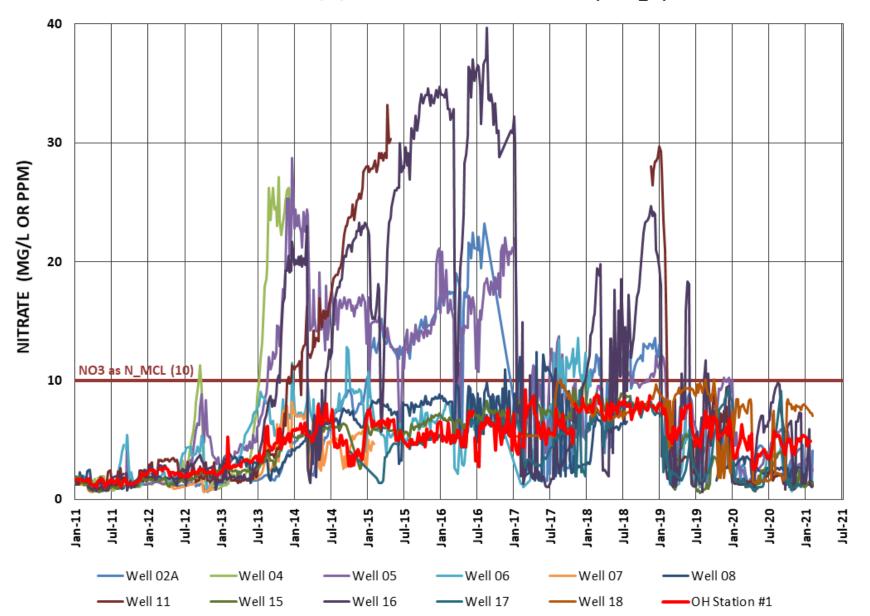
United New Headquarters Oxnard, CA



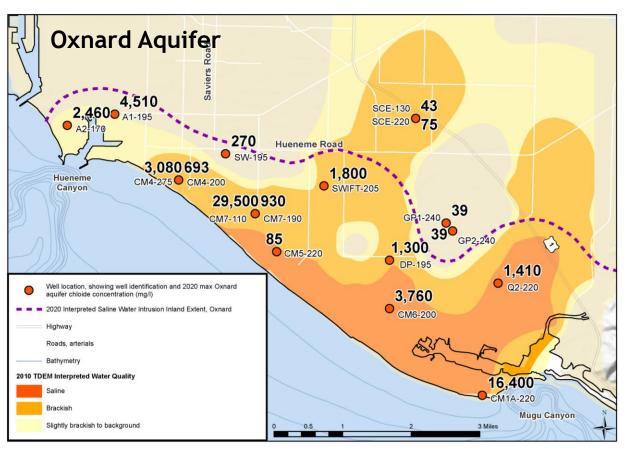
Groundwater Basins Reached Historical Lows Freeman Diversion Forebay - Elevation (ft amsl) Oxnard i 140 120 100 80 60 40 20 Pacific Oce -20 -40 1930 1950 1970 2010 2030 1990 1.25 2.5 7.5 10

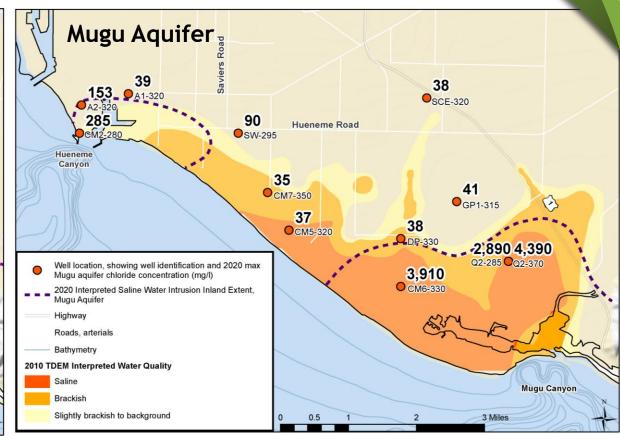
Elevated nitrates in O-H wells at El Rio

OH UAS WELLS 2011 - 02/9/2021 NITRATE AS NITROGEN (NO3_N)



Seawater Intrusion in UAS by 2020

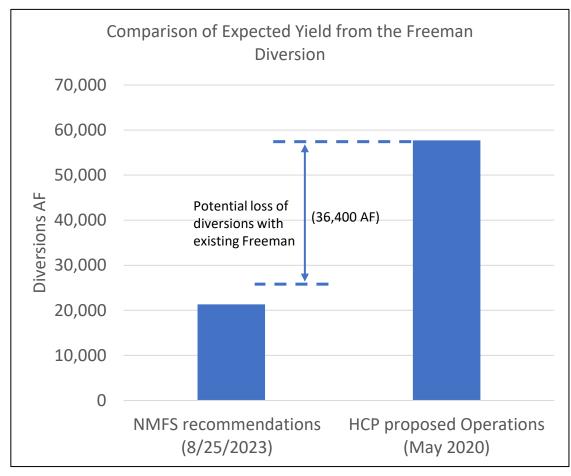






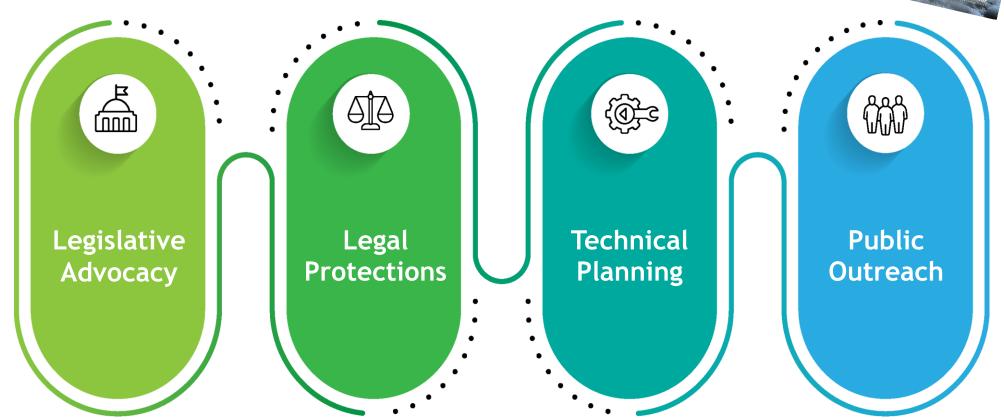


Yield loss diversions due to NMFS requirements



A Strategic Approach





Legislative and Legal Efforts to Benefit Ventura County

2020 DOE Law Change

Collaboration with Feinstein's office on grant eligibility for small hydropower plants

5th Amendment Takings

Federal claim filed seeking just compensation from NMFS for "takings"

ACWA State LEG Committee

Active member providing leadership, education, and coalition building



2025 FISH Act

Congressional collaboration on bill language to support effective regulation

2025 ESA Amendments Act

Congressional Testimony in 2024 and 2025, and contributed bill language

Critical Habitat Petition

Legal petition requesting NMFS remove costly and erroneous habitat designation

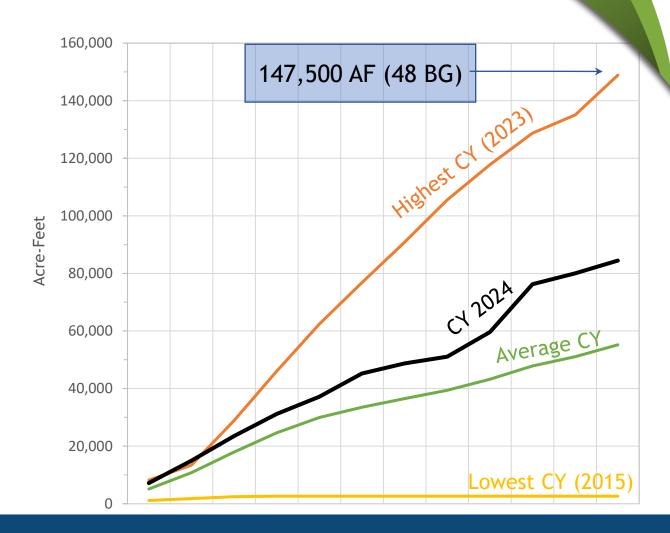
UWCD Statewide Recharge Champion

DWR ranked Oxnard Basin #1

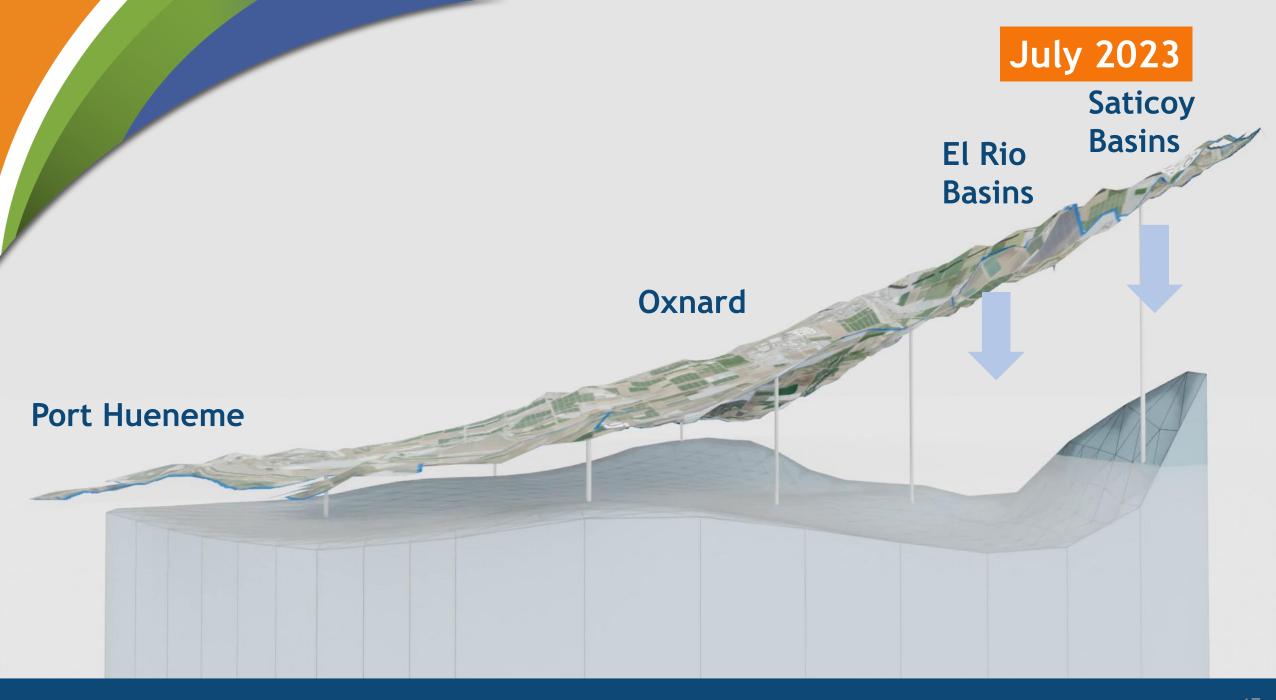
"Highest groundwater recharge per acre"

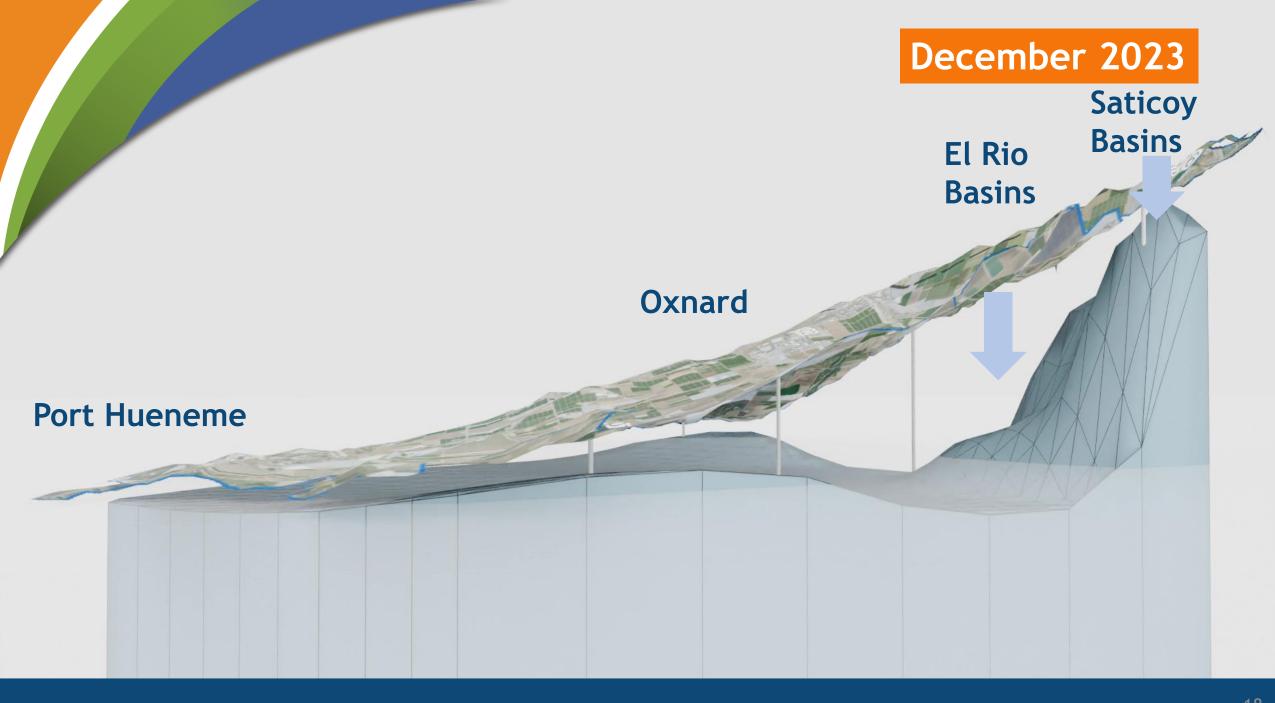
- 1.92 AF per acre in WY 2023
- 1.39 AF per acre in WY 2024

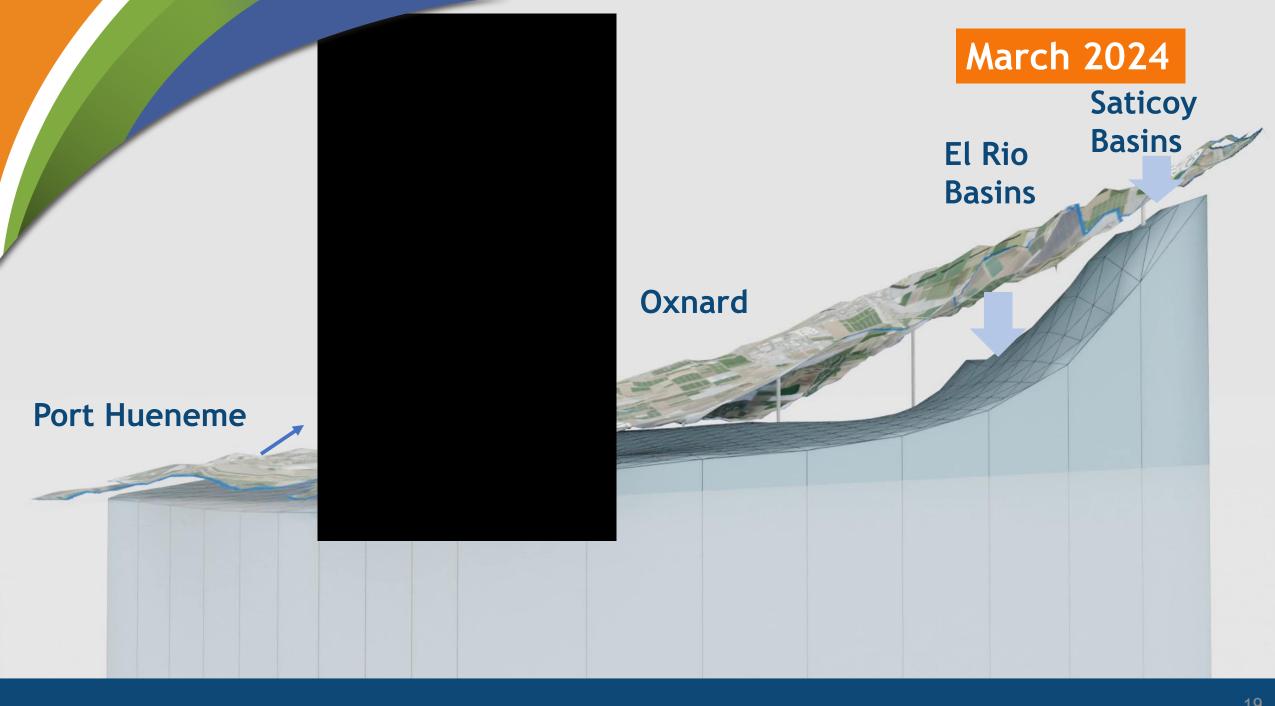




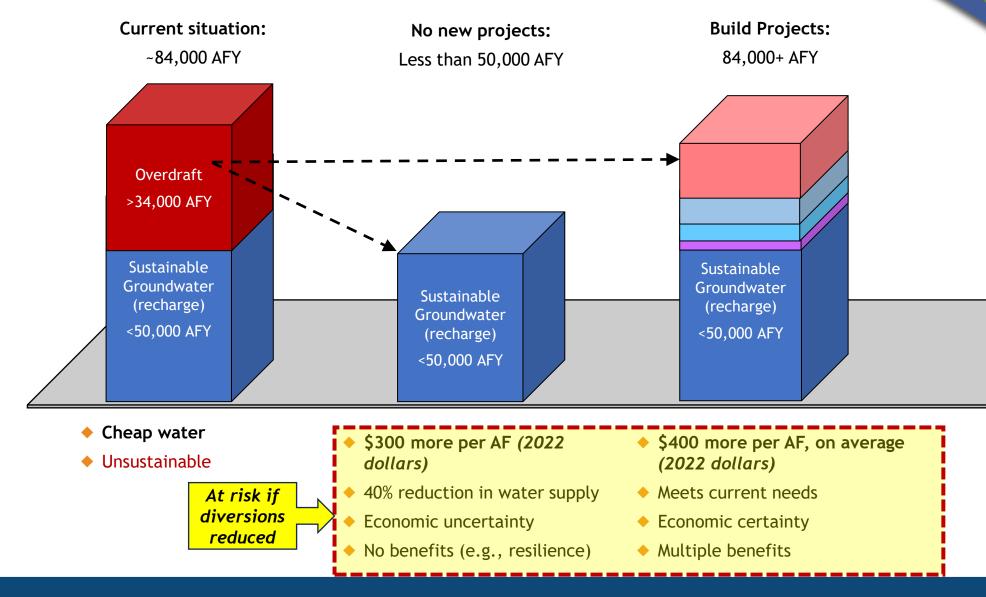
January 2023 Saticoy **Basins** El Rio **Basins Oxnard Port Hueneme**







Challenges Facing the Region (2020 GSP)



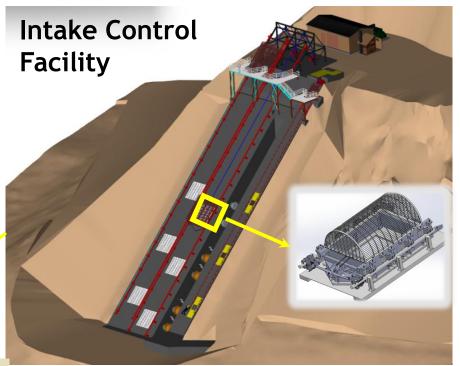
Building for the Future

Project	Design Capacity (AFY)	lmp. Year	Capital Cost (\$M)	
Recycled Water	7,000	2027	11	
SFD Safety Improvement	N/A	2034	300	
Freeman Diversion Expansion	9 000	2028	60	
Freeman Conveyance Expansion	8,000 2033		50	
EBB Water Phase 1	3,500	2029	51	
EBB Water Phase 2	10,000	2035	360	
Totals		-	\$832M	

^{*} Excludes \$99M WIFIA Loan/\$ 1.8M pending grant applications

Santa Felicia Dam Safety Improvement Project

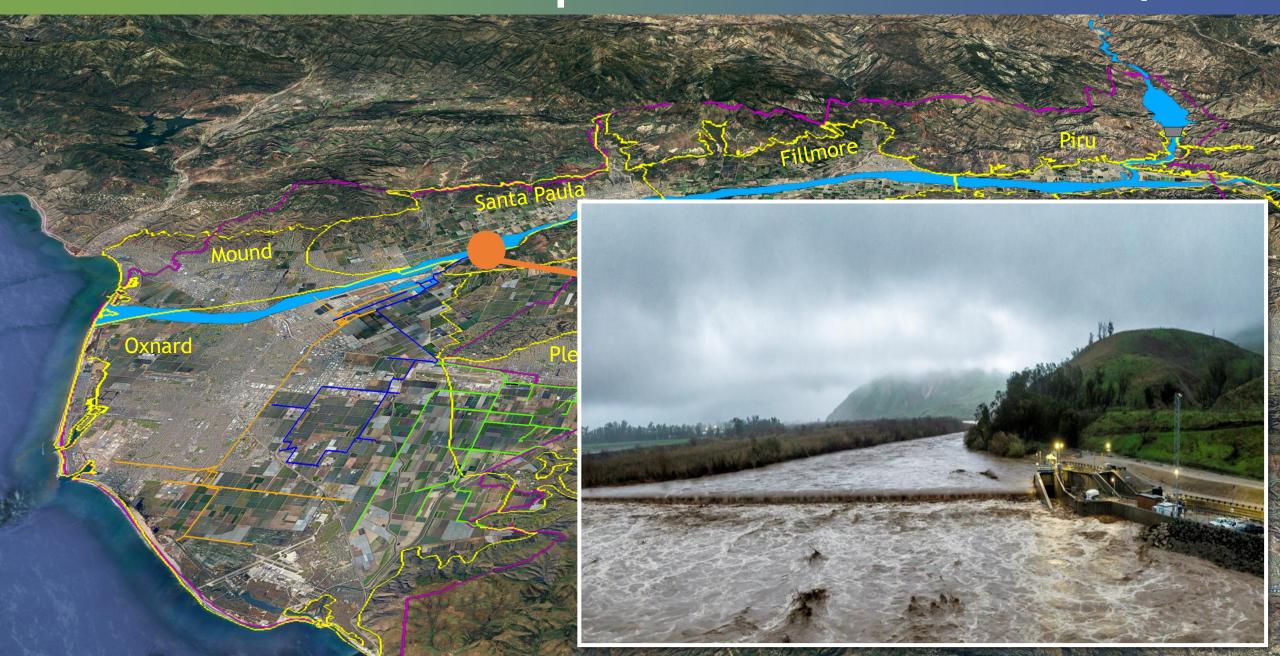






Freeman Diversion Expansion

Grants: \$23M



Iron & Manganese Treatment Facility

Grants: \$7.4M



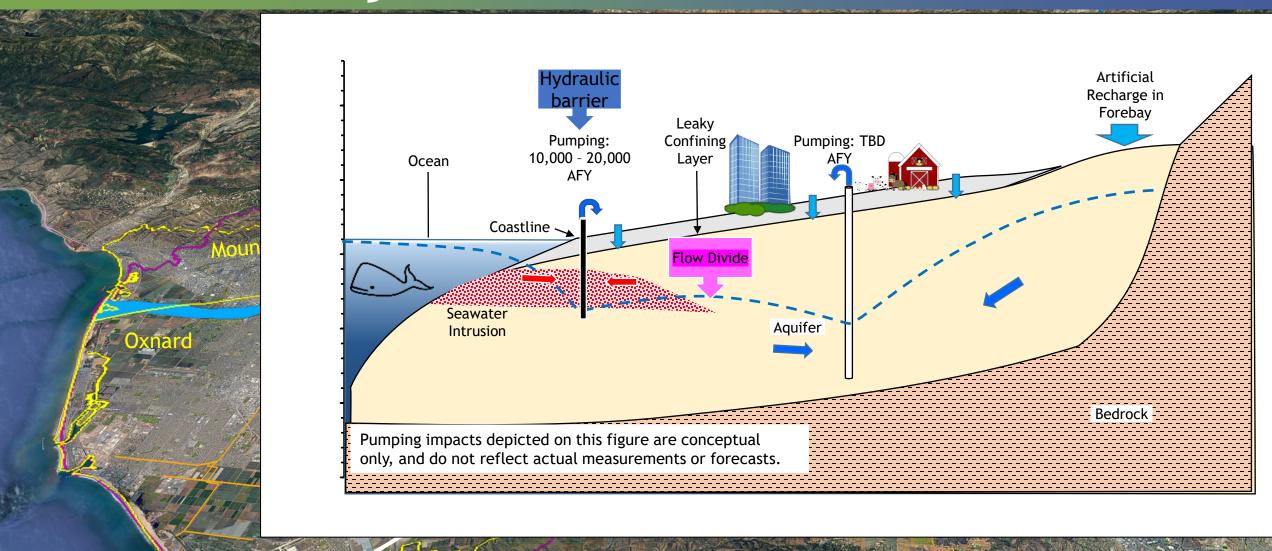
Recycled Water

Grants: \$5M



EBB Water Project

Grants: \$9.8M



Collaboration with the Navy



Memorandum of Agreement Phase 1 Public Relationship 2023-2027 SUBJ: EXTRACTION BARRIER AND BRACKISH WATER TREATMENT PROJECT AT NAVAL BASE VENTURA COUNTY

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of on the later of the two date(s) indicated below:

UWCD General Manager

Rear Admiral, U.S. Navy

Commander, Navy Region Southwest

License Agreements

"Phase 1A" Project
Development 2023-present Monitoring Well Installation Completion 2024











Grant Funding





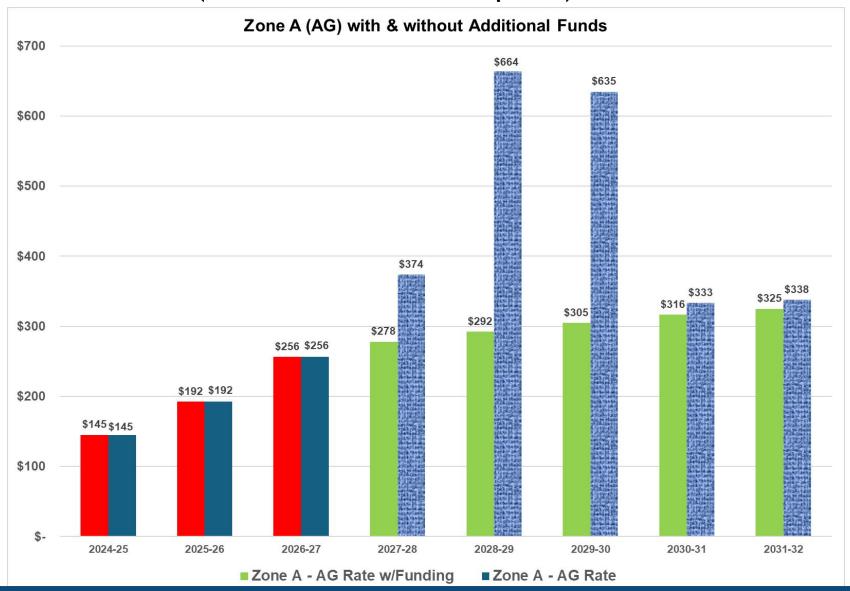






AWARDED - IN PROJECT COMPLETION PHASE				
Award Name	Project		Notification	
FY24 USBR DOI WaterSMART: Environmental Water Resource Projects - Round 1	Freeman Diversion Fish Screen and Fish Bypass System Project		1/7/2025	
FY 2024 State & Local Cybersecurity Grant Program for Local & Tribal Governments	Firewall & Network Switch Equipment Upgrades, Endpoint & Network Monitoring Installation, and Cybersecurity Vulnerability Review for the OT & SCADA Networking Systems		12/31/2024	
FY24 FEMA High Hazard Potential Dams Grant Program	Santa Felicia: 100% Design and Bid Document Preparation for the Santa Felicia Dam Spillway Improvement Project		11/8/2024	
FY23 USBR DOI WaterSMART Aquatic Ecosystem Restoration Projects	Freeman Diversion Fish Passage Rehabilitation Project		9/24/2024	
DWR Prop 1 Integrated Regional Water Management Grack Program Reveal 2 - Inclementation	Crowduster Desharra Consitu Function Project (Force Dess Bosharra)	\$1,000,000	4/1/2023	
SWRCP Proof Croundwater		,49,062	3/6/2023	
Total Grants Awarded: \$50 million		\$113,750	12/12/2022	
DWR Sustainable Groundwa. Round 1 - Implem	its Awarded. 550 million		05/03/2022, Amended 11/6/2024	
DWR Sustainable	PTP Recycled Water Connection - Laguna Ro	\$4,615,856	05/03/2022, Amended 11/6/2024	
DWR Sustainable Groundwater Grant Program Round 1 - Implementation	Extraction Barrier and Brackish Water Treatment Project Monitoring Well Construction and Data Collection		5/3/2022	
DOD Defense Community Infrastructure Program	El Rio Iron and Manganese Treatment Project		9/21/2021	
DWR Prop 1 Integrated Regional Water Management Grant Program Round 1 - Implementation	El Rio Iron and Manganese Treatment Project		9/29/2020	
NRCS Conservation Innovation Grant	Recycled Water PTP-PV Interconnection		9/4/2020	
DWR Prop 1 Water Use Efficiency Grant	Installation of SCADA Integrated Metering System at Turnouts of the PTP System	\$635,059	12/15/2016	
CLO	SED - PROJECT COMPLETED			
Award Name	Project	Amount	Award Date	
CalOES Hazard Mitigation Grant Program Subrecipient Management Cost Funding	OH Backup Generator		3/8/2022	
CalOES Community Power Resiliency to Special Districts Program	Emergency Power Supply for UWCD Drinking Water Treatment and Supply Facilities		3/12/2021	
FEMA Hazard Mitigation Grant Program	OH Backup Generator		12/9/2020	
USFS Southern California Forests and Watersheds	Special-status surveys, habitat mapping, and non-native cowbird removal in the Los Padres National Forest.		9/2/2020	
SWRCB Prop 1 Groundwater Grant Program Round 2 - Planning	Coastal Brackish Groundwater Extraction and Treatment Plant	\$122,563	10/18/2019	

Projected Rates (estimates based on assumptions)



Why a G.O. Bond?

Spreads Cost over Time Supports Essential Projects Locks in Low Interest Rates

Keeps Water Rates Steady



