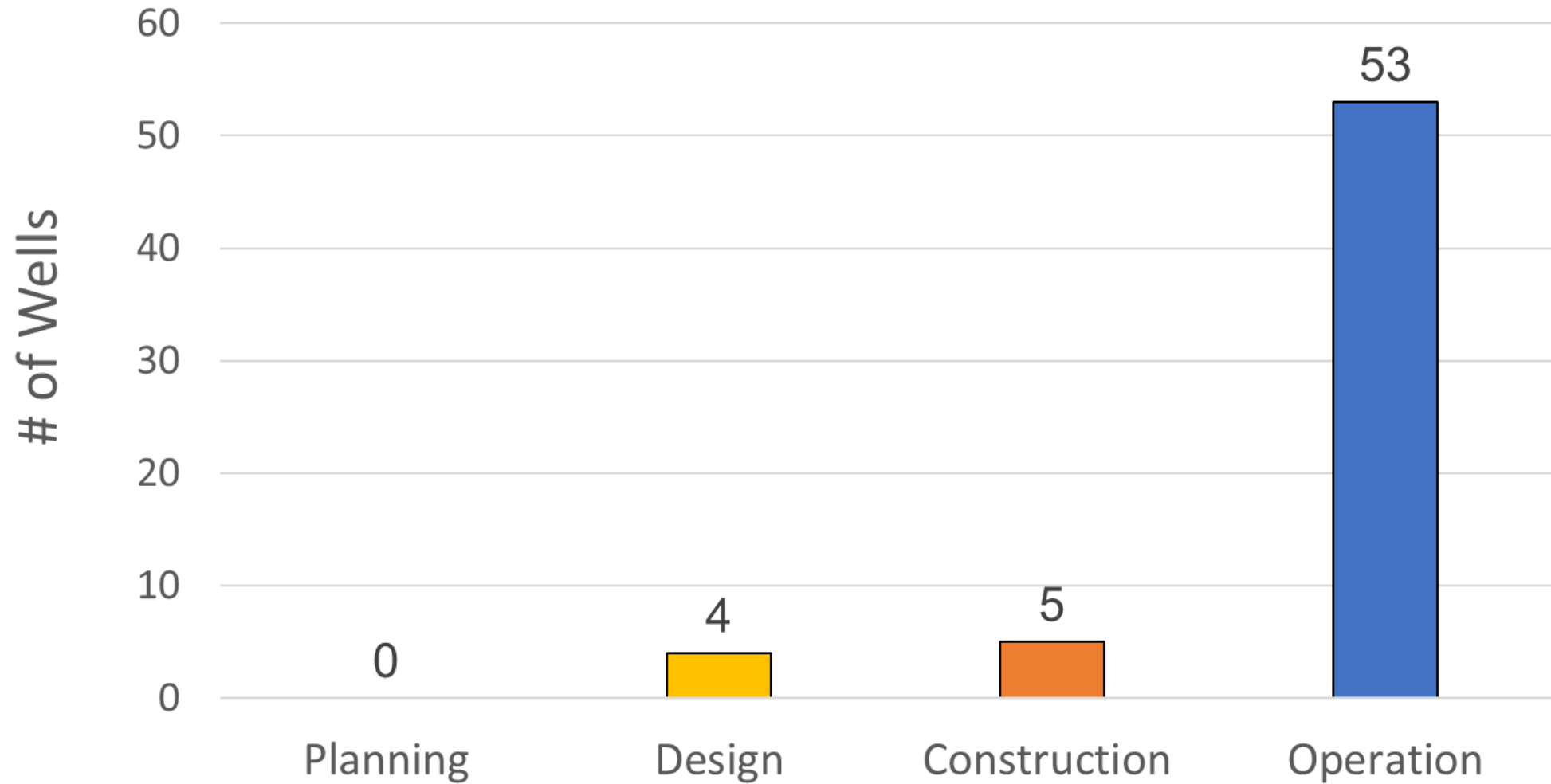




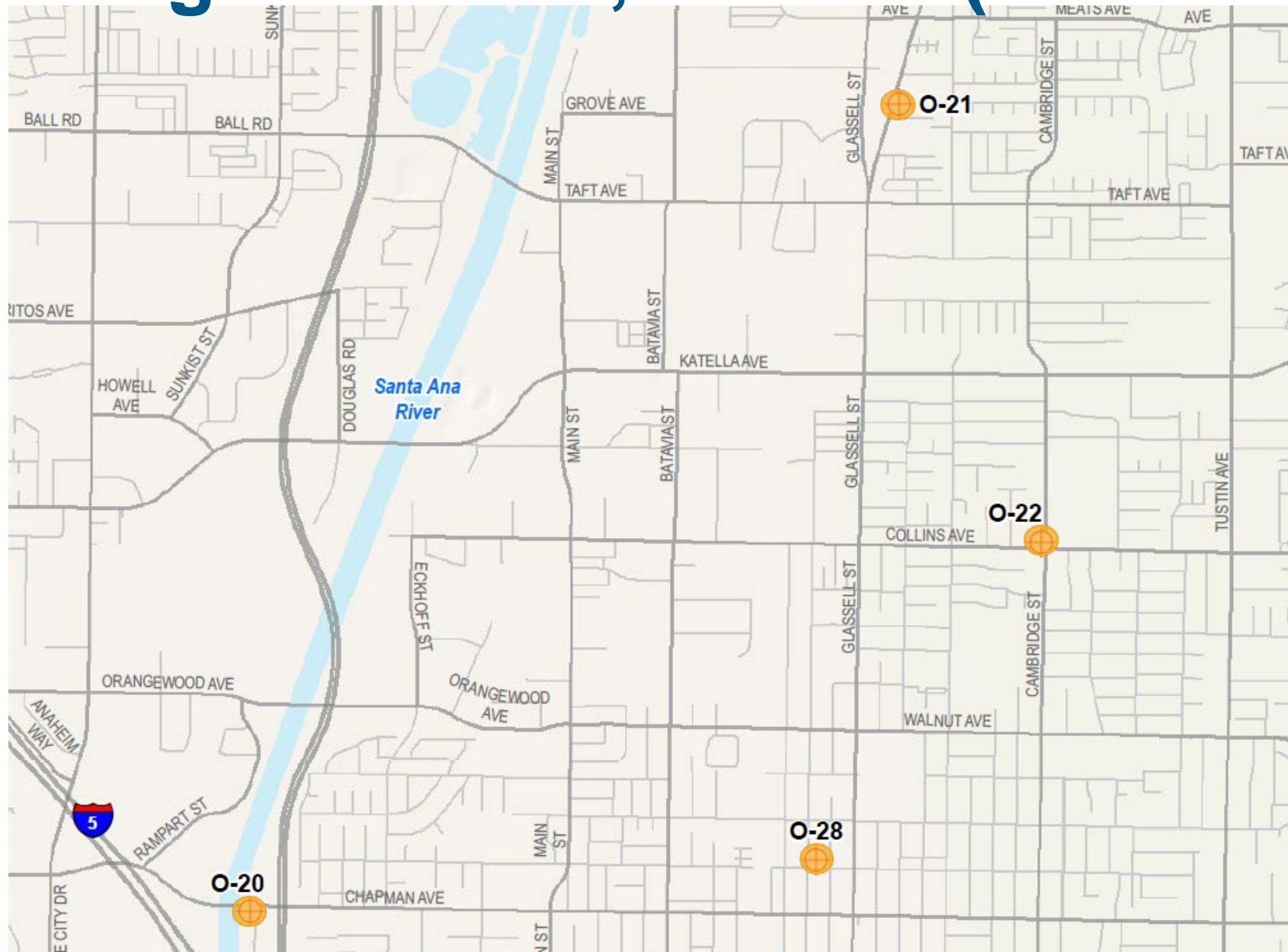
PFAS Treatment Systems Design and Construction Update



Round 1: PFAS Impacted Wells Summary



Orange Wells 20, 21 & 22 (Phase 2)



Orange Well 20



ORANGE COUNTY WATER DISTRICT

Orange Well 21



ORANGE COUNTY WATER DISTRICT

Orange Well 22



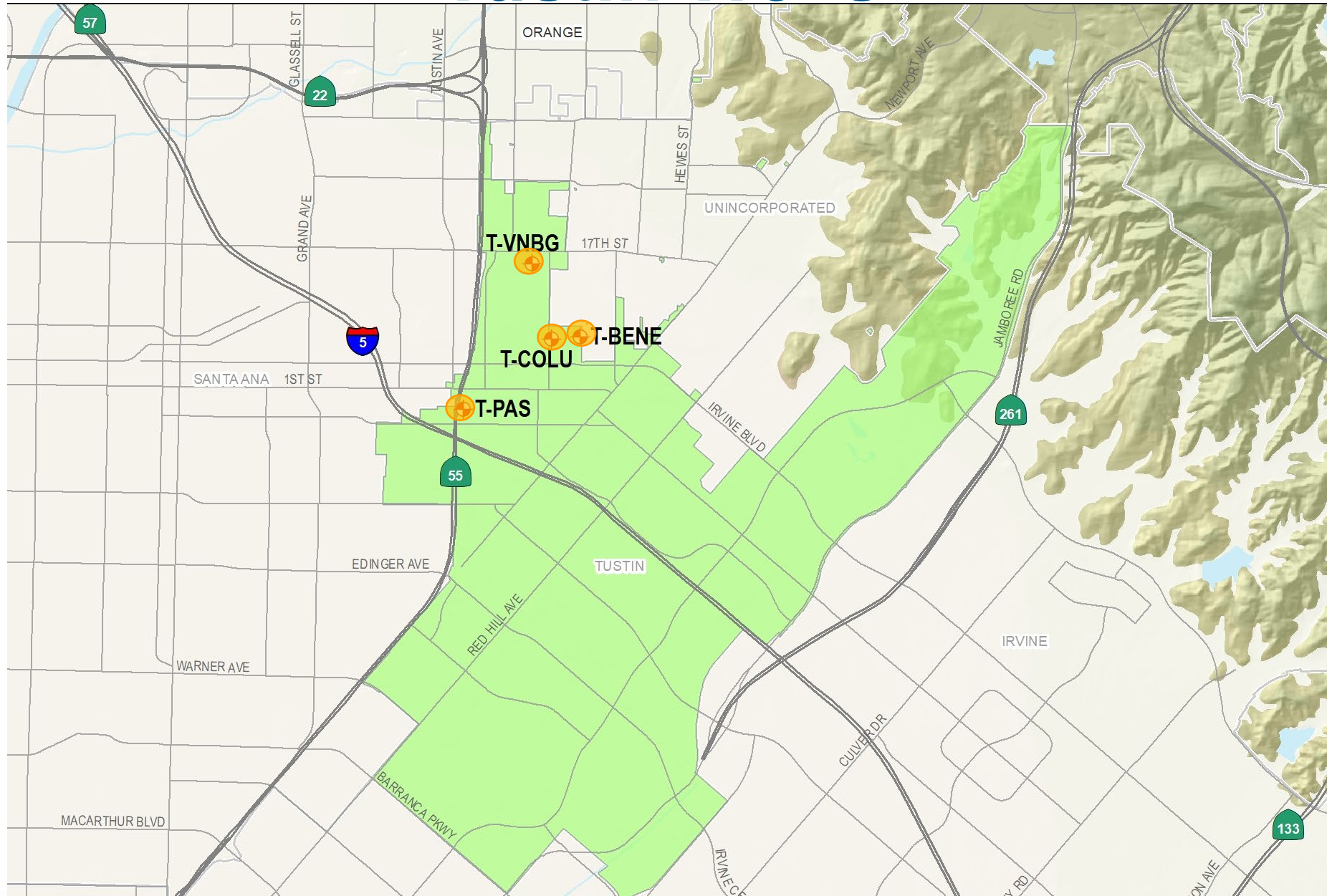
ORANGE COUNTY WATER DISTRICT

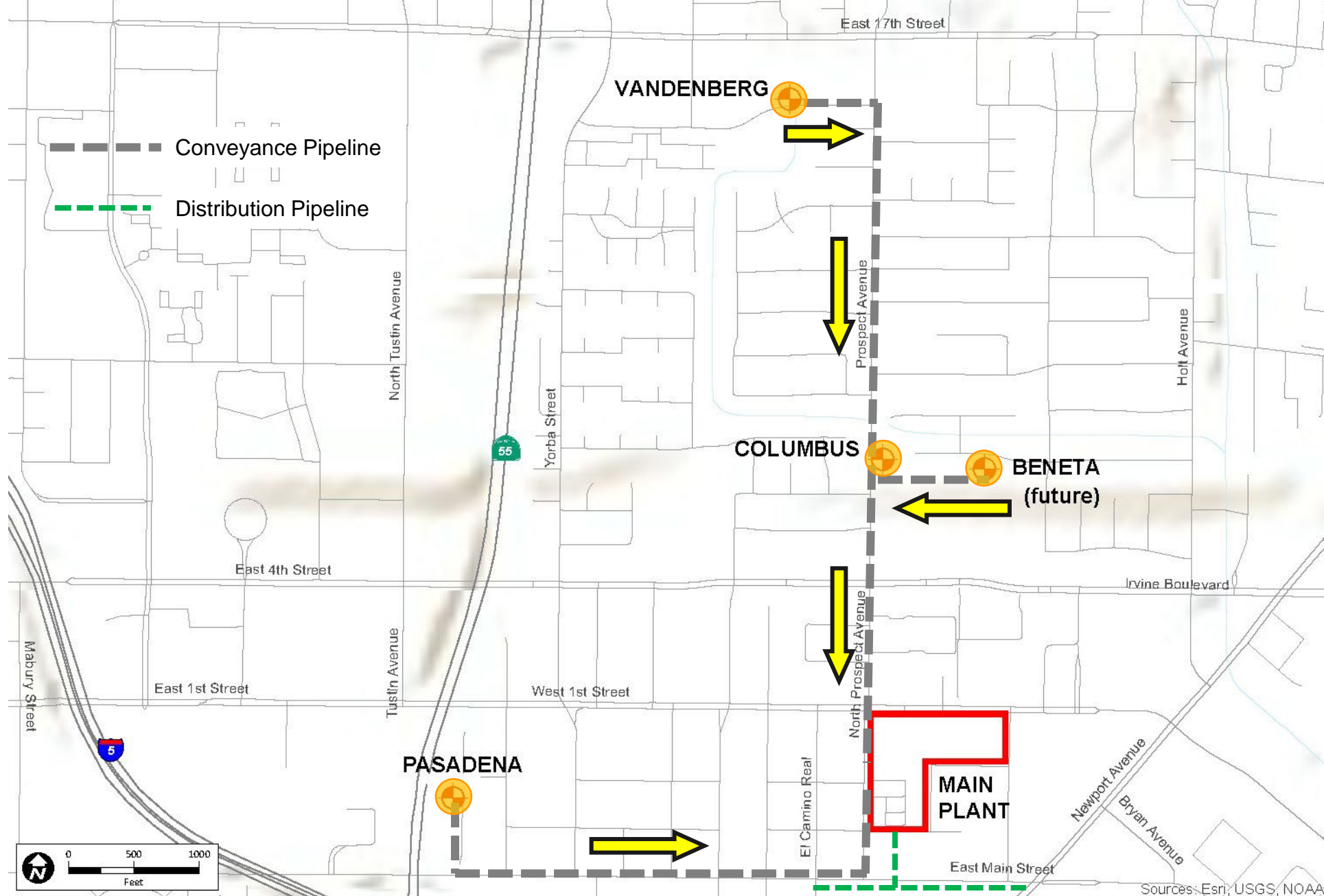
Orange Well 28



ORANGE COUNTY WATER DISTRICT

Tustin Wells

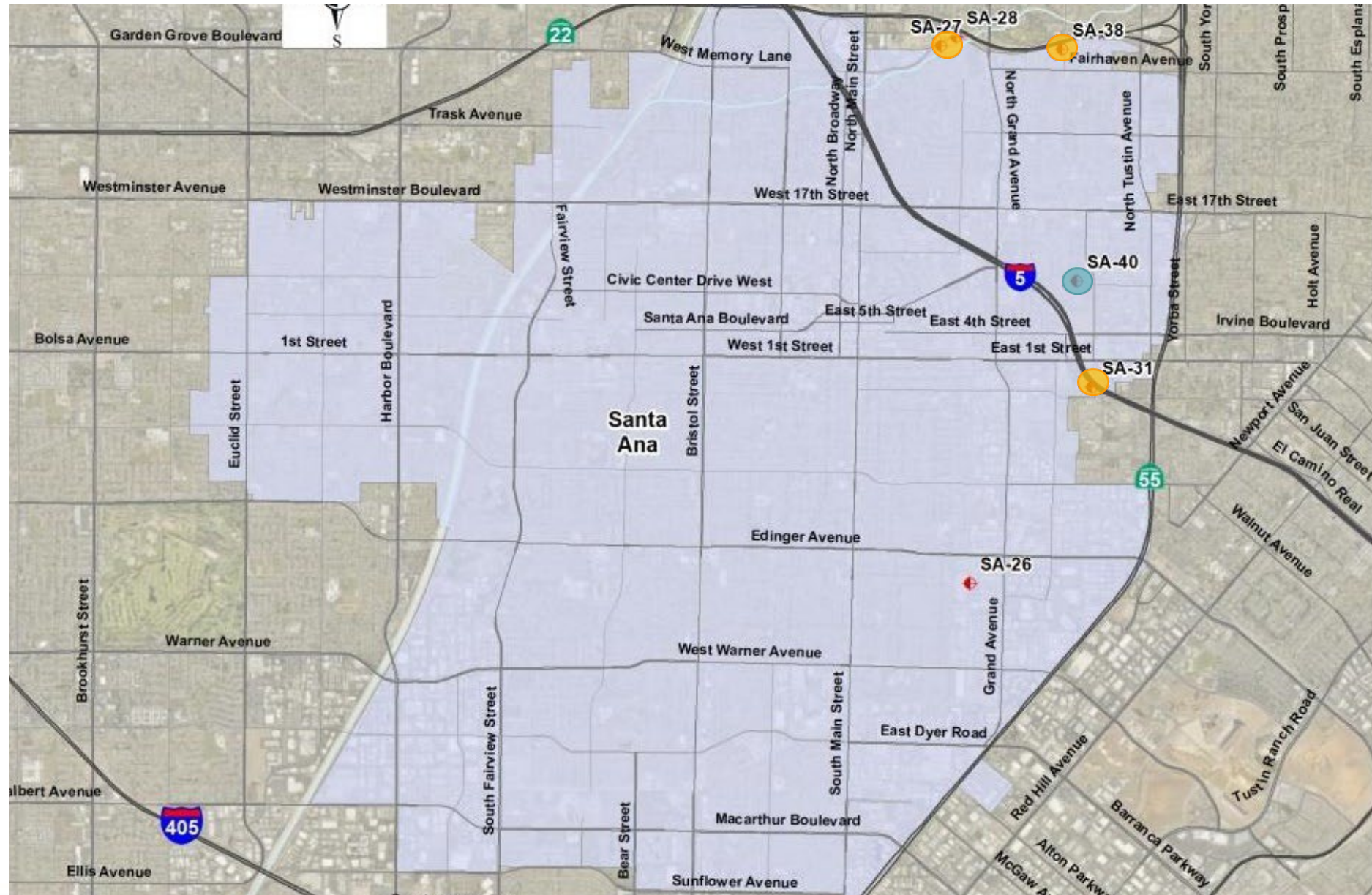






ORANGE COUNTY WATER DISTRICT

Santa Ana Wells



Santa Ana Well 31



ORANGE COUNTY WATER DISTRICT

Santa Ana Well 31

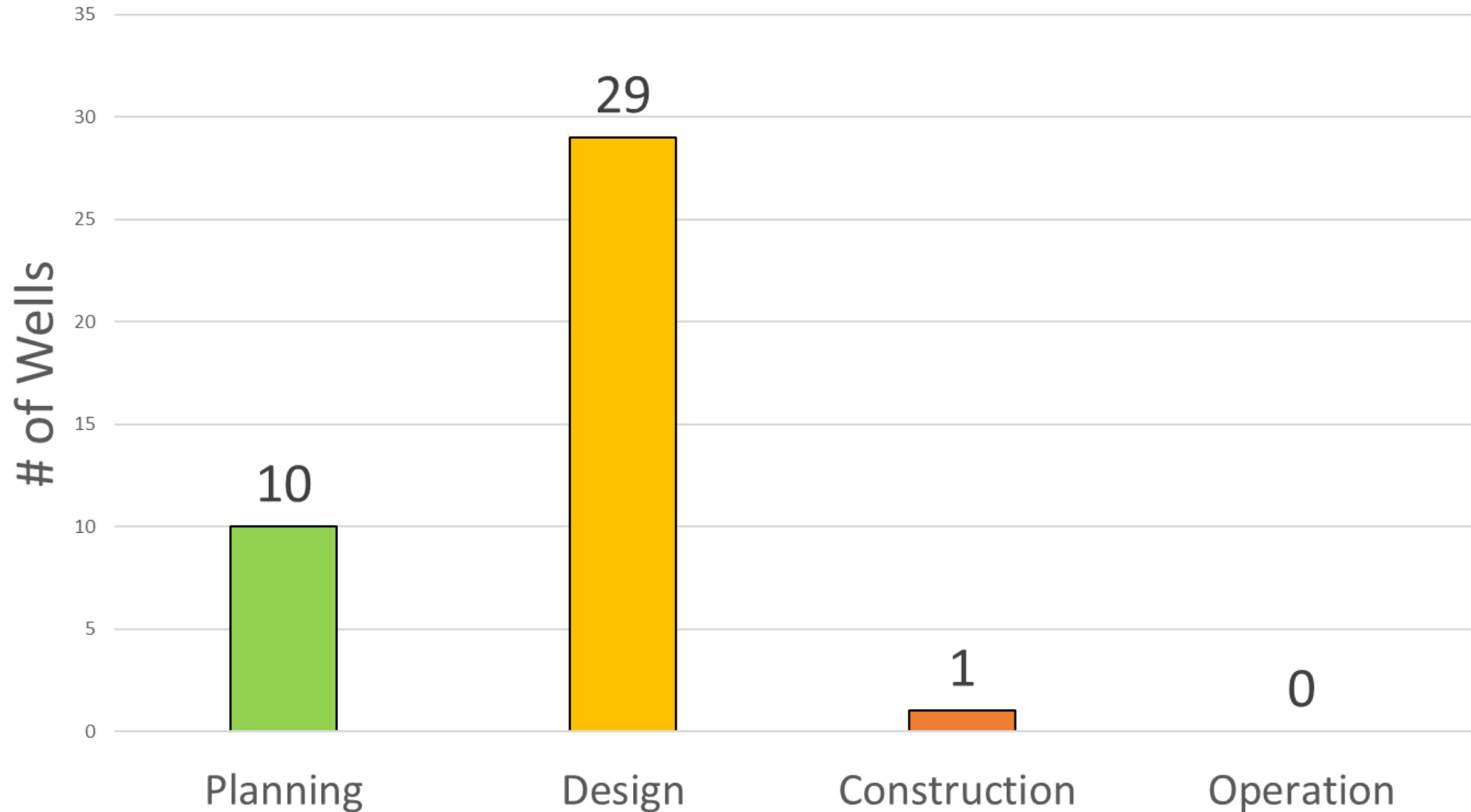


ORANGE COUNTY WATER DISTRICT

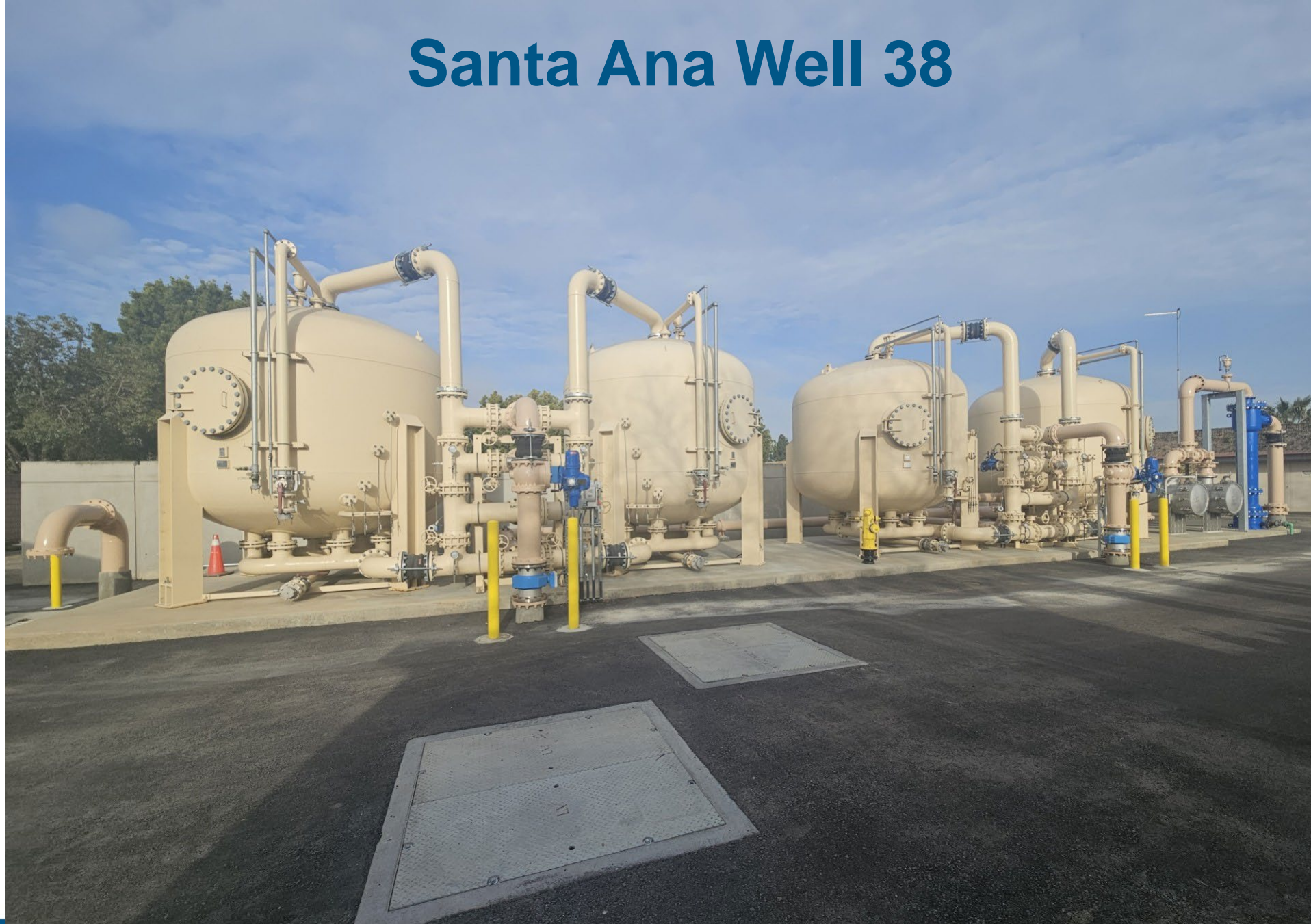
Santa Ana Wells 27 & 28



Round 2: MCL Impacted Wells Summary



Santa Ana Well 38



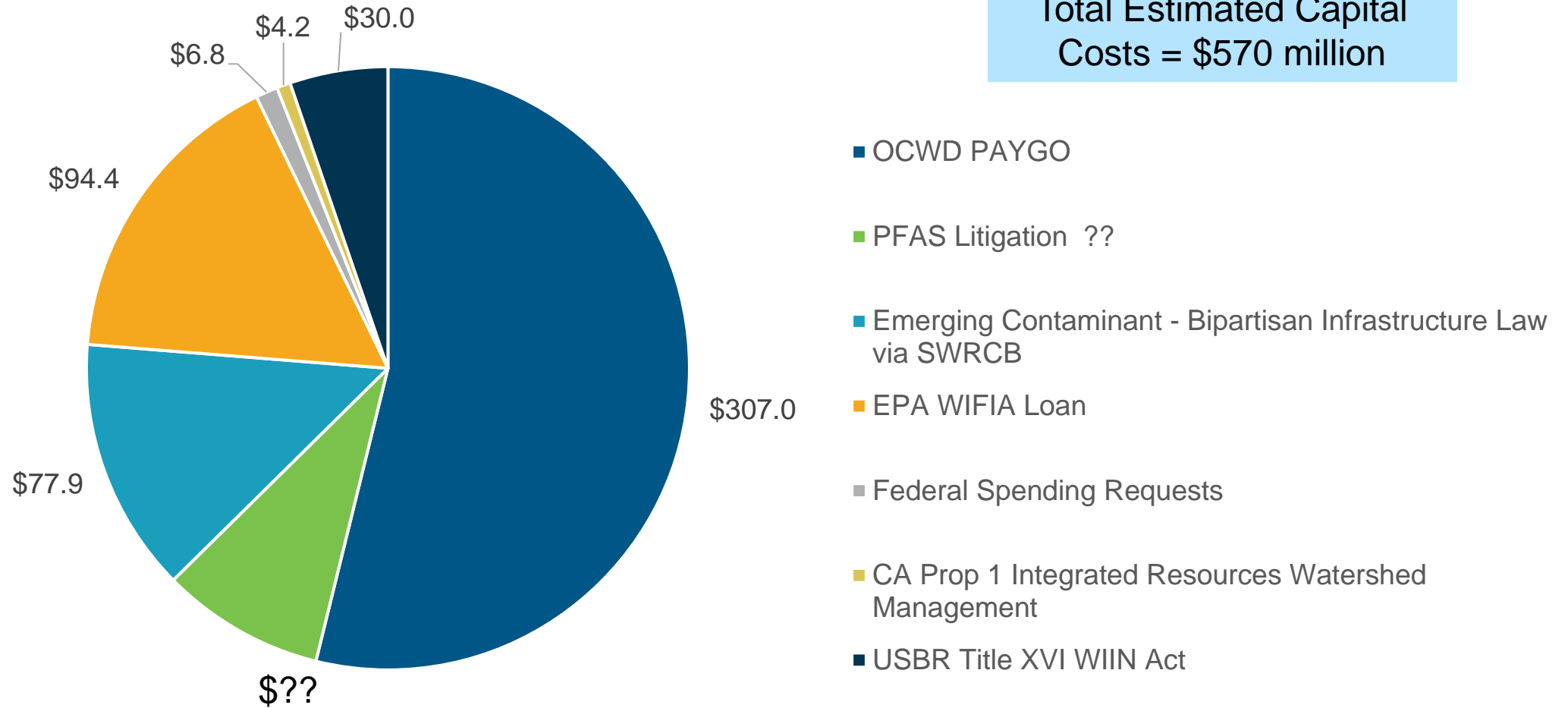
ORANGE COUNTY WATER DISTRICT

Grant Efforts

Approximate PFAS Capital Funding Sources

(March 2025)

Total Estimated Capital
Costs = \$570 million



Current PFAS Grant Funding Efforts

#	Program/Maximum Amount	Project	Potential \$	Status	Next Step	Confirmed
1	Proposition 1 Integrated Regional Water Management Implementation Grant	Santa Ana Well 31 and GG Well 19	\$4,200,000	Approved by SAWPA and DWR	Proposition 1 grant funding agreement executed	\$4,200,000
2	SWRCB Emerging Contaminant (EC) Principal Forgiveness (50% up to \$5 million)	Tustin - 4 wells	\$10,000,000		Grant Funding Agreement Executed	\$10,000,000
3		Orange Wells 20, 21 and 22	\$5,000,000		Grant Funding Agreement Executed	\$5,000,000
4		Fullerton Main Plant	\$3,628,384		Grant Reimbursement Check Received	\$3,628,384
5		IRWD OPA Well	\$2,700,000	Included in the 2023 Intended Use Plan EC Fundable List	Grant Funding Agreement Executed	\$2,700,000
6		EOCWD	\$2,100,000		Grant Funding Agreement Executed	\$2,100,000
7		City of Anaheim (submitted by City)	\$10,000,000		Awaiting Grant Funding Agreement	
8		Santa Ana Wells 27 and 28	\$5,000,000		Awaiting Grant Funding Agreement	
9	Federal Earmark 2023 Community Grant (Kim)	Any PFAS Project starting after 10/1/22 (Tustin)	\$5,000,000	Approved by Congress	2023 Community Grant Assistance Agreement executed with EPA	\$5,000,000
	Total		\$47,628,384			\$32,628,384

Upcoming PFAS Grant Funding Efforts




#	Program/Maximum Amount	Project	Potential \$	Status	Next Step
10	SWRCB Emerging Contaminant (EC) Principal Forgiveness (50% up to \$10 million)	Garden Grove - 3 Wells	\$10,000,000	These new projects are included in the SWRCB's 2024 Intended Use Plan Emerging Contaminant Fundable List	Prepare complete Grant applications for submission to the SWRCB. Request Federal environmental compliance review to be conducted by the SWRCB
11		Huntington Beach Well 6	\$3,000,000		
12		GSWC - 4 Wells	\$10,000,000		
13	SWRCB Emerging Contaminant (EC) Principal Forgiveness (Total amount of first and second Grant applications shall not exceed \$10 million)	Orange Wells 25 and 27	\$5,000,000	Added to SWRCB's 2024 EC Fundable List as a replacement project	
14	SWRCB Emerging Contaminant (EC) Principal Forgiveness (Total amount of first and second Grant applications shall not exceed \$10 million)	Fullerton - 3 Wells	\$6,380,000	New Projects will be Submitted for the 2025 Intended Use Plan EC Fundable List in Spring 2025	New Projects will be Submitted for the 2025 Intended Use Plan EC Fundable List in Spring 2025
15		Santa Ana - 2 wells	\$5,000,000		
16	United States Bureau of Reclamation (USBR) Title XVI WIIN Act (maximum Grant amount is \$30,000,000 per project)	OCWD PFAS Removal Program including Construction funding for MCL affected wells	\$30,000,000	Award of a \$30,000,000 Grant to OCWD announced by the USBR on January 14, 2025	Work with USBR Denver Office on project portfolio, budget, schedule and NEPA compliance. Ultimately, the execution of a Grant funding agreement with USBR.
	Total		\$69,380,000		

Upcoming PFAS Grant Funding Efforts

#	Program/Maximum Amount	Project	Potential \$	Status	Next Step
18	Federal Earmark 2024 Community Grant (Kim)	Santa Ana Wells 27 and 28	\$1,750,000	Approved by Congress	Work with EPA Region 9 on the review of 2024 Community Grant application
	House and Senate passed Continuing Resolution, H.R. 1968 – no 2025 earmarks				
	Future Federal Earmark 2026 - \$5M request to Congressman Kim				
	\$5M request to Congressman Correa from Santa Ana				
	Total		\$1,750,000		
	Grand Total		\$118,758,384		

Regulatory

State DDW intends to lower certain PFAS NLs and RLs for consistency with USEPA MCLs

PFAS	Current Notification Level (NL)	Likely Updated Notification Level (NL)		Current Response Level (RL)	Likely Updated Response Level (RL)
PFOA	5.1	 4.0 <i>(same as USEPA MCL)</i>		10	10
PFOS	6.5	 4.0 <i>(same as USEPA MCL)</i>		40	10
PFHxS	3	3		20	 10* <i>(same as USEPA MCL)</i>
All units in parts per trillion (ppt) or nanograms per liter (ng/L)					

* Change compliance to running annual average (RAA)

Likely timing of NL/RL changes and OCWD area impacts

■ Timing

- Limited preview during **Feb 19** State Board meeting item on annual DDW Regulatory Priorities
- More complete presentation anticipated at future Spring 2025 State Board meeting
- Per AB 2560, State Board must provide minimum 30-days notice of intent and basis for changes to NLs and RLs ahead of Board info item before administrative adoption

■ Local impacts based on testing performed to date

- **Lower NLs:** Anaheim, Buena Park, GSWC, Orange, Santa Ana, Tustin, Westminster likely affected
- **Lower RLs:** Anaheim, Orange, and Garden Grove likely affected by PFHxS (4 wells)

USEPA Federal MCL update



■ AMWA/AWWA Lawsuit Status

- **June 2024:** AMWA/AWWA Petition for Legal Review filed
- **Oct 2024 – Jan 2025:** Briefs filed (AMWA/AWWA Opening, EPA Respondent, and Amicus)
- **Feb 7, 2025:** USEPA granted 60-day abeyance by U.S. Court of Appeals for the DC Circuit
- **April 8, 2025:** Petitioners and Respondents must submit a new agreed-upon briefing schedule
- Typical next step would be Response Brief from AWWA/AWMA

Questions?

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