



Sonoma Water

Clean. Reliable. Essential. Every Day.

Water Transmission System Capital Projects Update

WAC TAC Meeting

December 1, 2025

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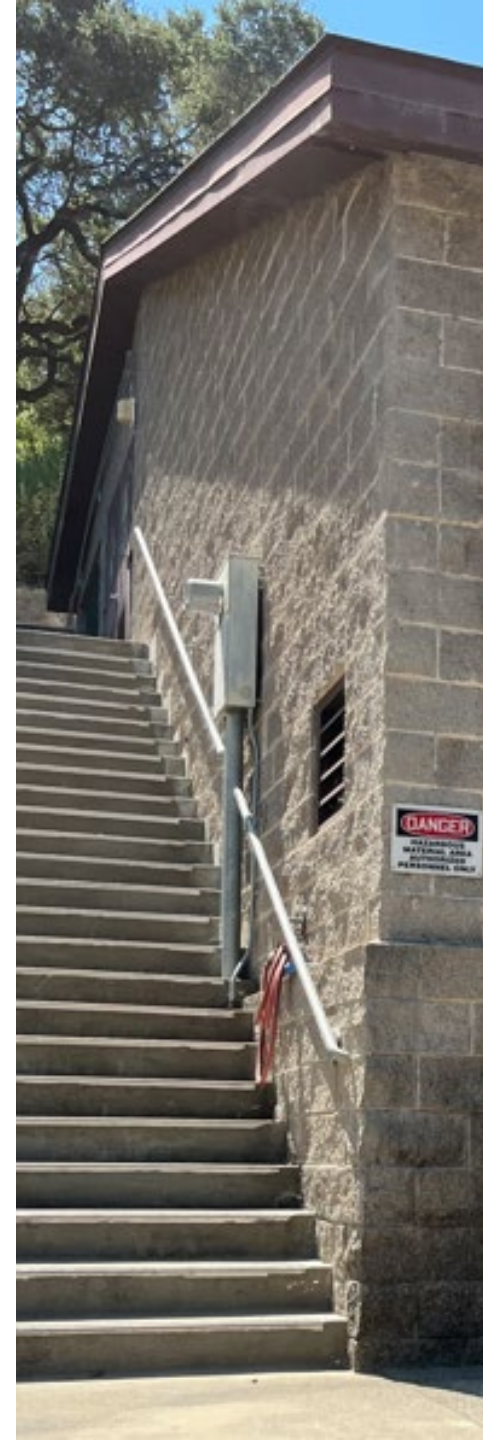
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December 1, 2025 TAC Meeting
Agenda Item 5



Agenda

- Recently Completed and Active Construction
- Capital Projects in Design
- Water System Comprehensive Master Plan



Active and Recently Completed Construction Projects

Water System Construction Projects	Contract Value (\$)	Contract Award Date	Date of Completion
Ely Booster Station Hazard Mitigation	\$2,666,666	Mar 2022	May 2026
Cotati Tank No. 1 and Kastania Tank Recoating	\$6,450,000	Apr 2023	Jan 2025
Santa Rosa Plain Water Supply Resiliency Project - Occidental Road Well No. 3 Drilling	\$1,316,527	Aug 2023	May 2024
Santa Rosa Plain Water Supply Resiliency Project - Sebastopol Road Well Activation	\$3,102,798	Jan 2024	Dec 2025
Santa Rosa Plain Water Supply Resiliency Project - Occidental Road Well Activation	\$4,797,811	Mar 2024	Feb 2026
Cotati Tank No. 3 Recoating	\$6,962,100	Jan 2025	Mar 2026
Santa Rosa and Russian River-Cotati Intertie Aqueducts Cathodic Protection Upgrade Phase 1	\$2,178,583	Jul 2025	Jun 2026
Wilfred Booster Station Resiliency	\$6,809,340	12/9/2025**	Aug 2027



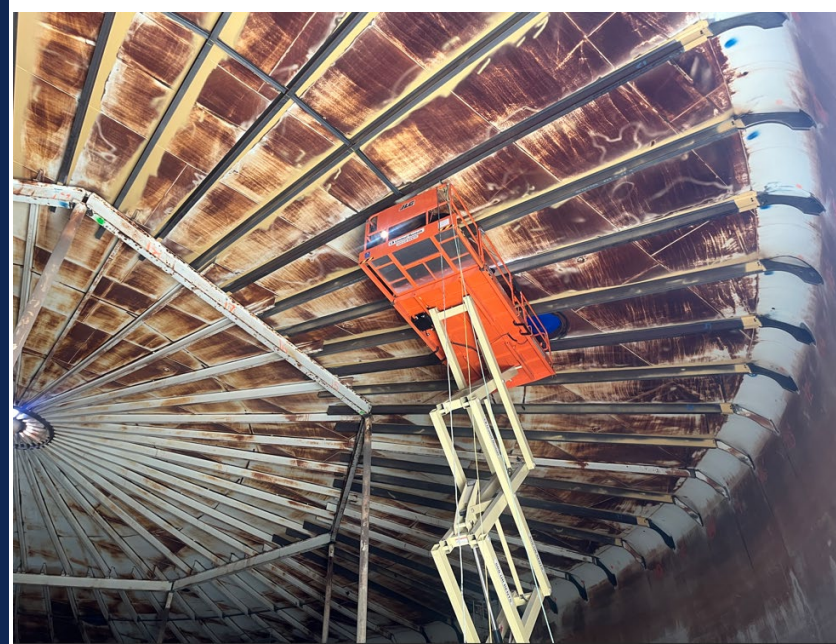
Ely Booster Station Hazard Mitigation

- Project scope
 - Replace and elevate electrical switchgear, valve actuators, MCC, and standby generator above 500-yr flood elevation
 - Replace sound attenuation structures
- FEMA hazard mitigation funding
- Electrical equipment delivered in October
- Existing generator still needs to be relocated and elevated
- Plans to energize switchgear in January and close-out contract by May 2026



Cotati Tank No. 1 and Kastania Tank Recoating

- Project scope
 - Recoating interior and exterior of tanks
 - Replacing or repairing corroded structural beams/elements and installing lateral bracing and new cathodic protection systems
- Last remnants of coal tar removed from the water system at Kastania
 - Kastania online Sep 2024
- Considerable structural beams replaced in Cotati #1
 - Cotati #1 online Nov 2024
- Project completed under budget in Jan 2025



Occidental Rd Well #3 Drilling and Well Activation

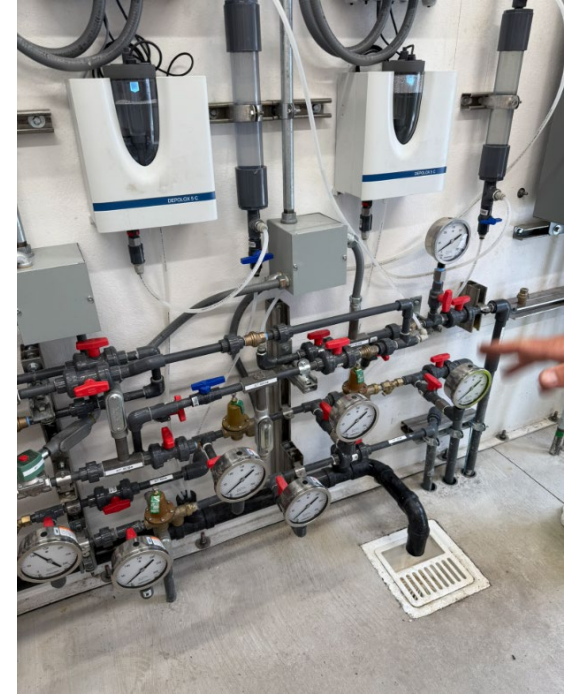
- Drilling completed and topside design awarded in March 2024
- All major deliveries have been received (above-grade piping, buildings, control panels, and I&C package)
- Submersible pump w/Baski valve installed end of October
- Substantial completion and startup planned in January
- Plan, permit, test and implement recharge components internally (2026)

*Santa Rosa Plain Wells Drought Resiliency Project
awarded \$6.9M State Drought Relief Grant*



Sebastopol Rd Well Activation

- Electrical equipment delivered February 2025
- Construction punchlist completed Oct and Nov 2025
- ASR pilot testing in progress through early 2026
 - ASR Cycle 2 in progress



Sebastopol Rd Well Aquifer Storage and Recovery (ASR) Pilot Test

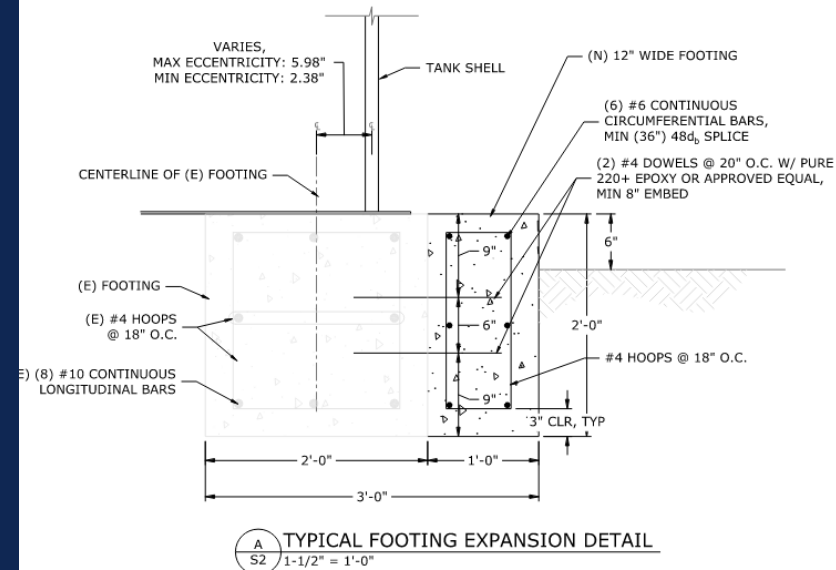
- Initiated on October 2, 2025 and planned for completion end of January 2026
- Injection, Storage and Recovery of approximately 22 acre-feet of treated drinking water
 - Extensive water quality and groundwater-level monitoring
 - Routine backflushing events to evaluate clogging potential
- Evaluation and reporting of results in Q1 2026

Currently here

Pre-Test Evaluation - ASR Checkout				Start	10/2/2025 9:00
Recharge:	4.85 hours total	0.20 days	End	10/2/2025 13:51	
Rates:	110 gpm	61 minutes			
	310 gpm	63 minutes			
	0 gpm	54 minutes			
	210 gpm	57 minutes			
	430 gpm	56 minutes			
Storage:	0 days				
Recovery:	1.5 hours	0.06 days			
Rate:	1,625 gpm				
.....					
ASR Cycle 1				Start	10/13/2025 9:00
Recharge:	3.11 days		End	10/16/2025 11:35	
Rates:	252 gpm				
	1,625 gpm - backflush pumping				
Storage:	4.84 days		End	10/21/2025 7:48	
Recovery:	13.0 hours	0.542 days	End	10/21/2025 20:48	
Rate:	1,625 gpm				
.....					
ASR Cycle 2				Start	10/27/2025 12:00
Recharge:	21 days		End	11/17/2025 12:00	
Rates:	200 gpm				
	1,625 gpm - backflush pumping: 11/6 & 11/17				
Storage:	63 days		End	1/19/2026 12:00	
Recovery:	96 hours	4.0 days	End	1/23/2026 12:00	
Rate:	1,625 gpm				

Cotati #3 Recoat and Seismic Project

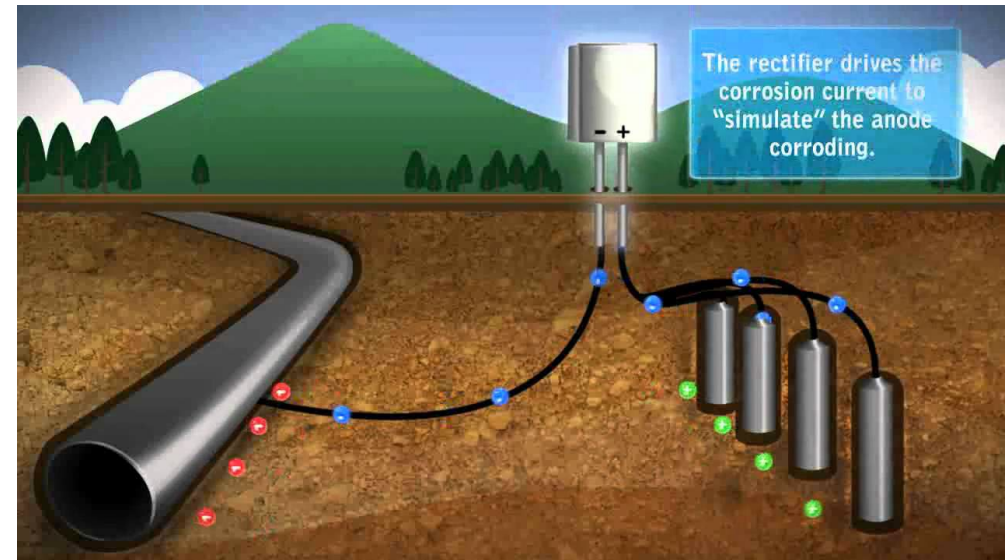
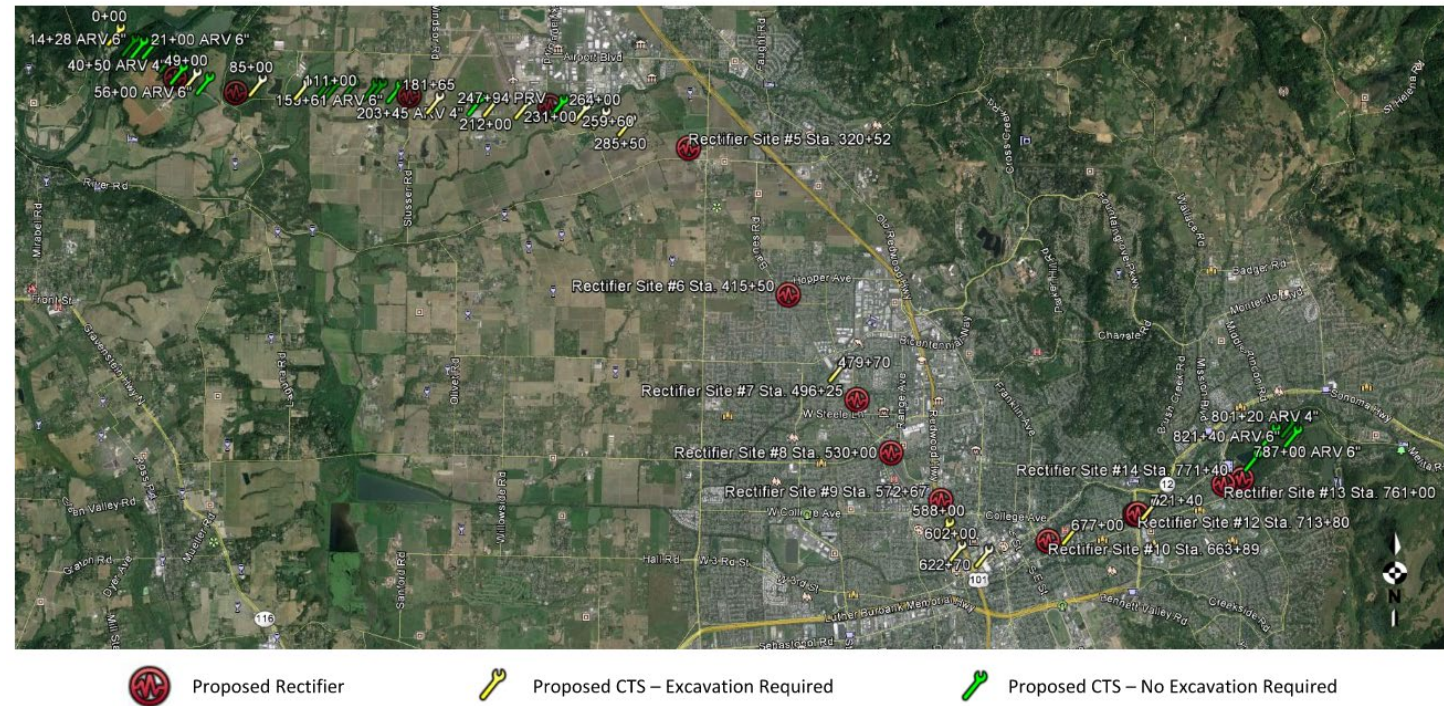
- 18MG tank – largest in system
 - Originally installed in 1992
- Project scope
 - Recoat interior/exterior of tank
 - Cathodic protection
 - Structural replacements and seismic retrofit of foundation
 - Modifications to tank appurtenances
- Awarded January 2025
- Progress update
 - Structural improvements completed
 - Exterior complete
 - 100% of interior roof and shell is primed
 - Foundation widening scheduled Dec/Jan



Santa Rosa/Cotati Aqueduct Cathodic Protection

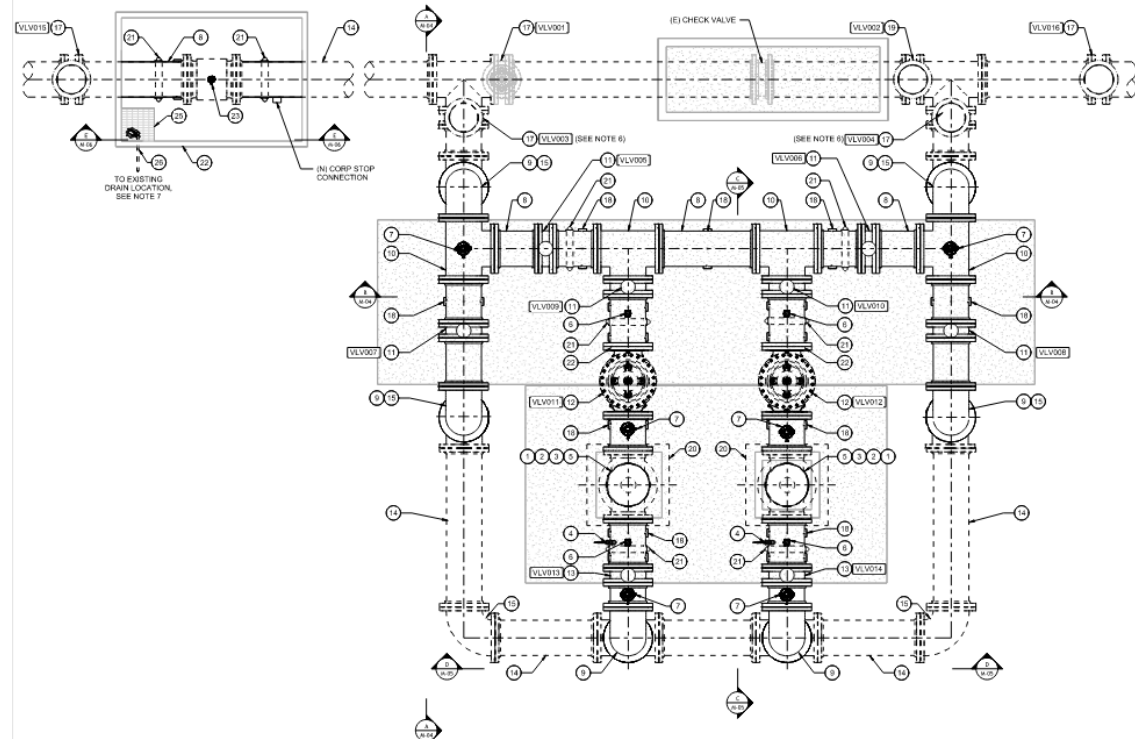
- Project split in 2 phases based on ease of R/W and permitting
 - Phase 1
 - 8 total rectifier/anode well sites
 - 8 CP stations
 - Phase 2 –
 - 17-21 total rectifier/anode well sites
 - 21-33 CP stations
- Significant coordination with PG&E
- Phase 1 awarded July 2025
 - Contractor ordering materials
 - Long lead time on meter pedestals
- Phase 2 ROW and permits in progress
 - Survey complete
 - Award in FY27/28

SANTA ROSA AQUEDUCT



Wilfred Booster Station Resiliency

- Project includes
 - New electrical building, switchgear, and VFDs
 - Replace 1st pump set
 - Add 2nd pump set and piping for reliability/resiliency
- Capable of pumping north and south
- Switchgear prepurchased June 2024
- Awarding December 2025



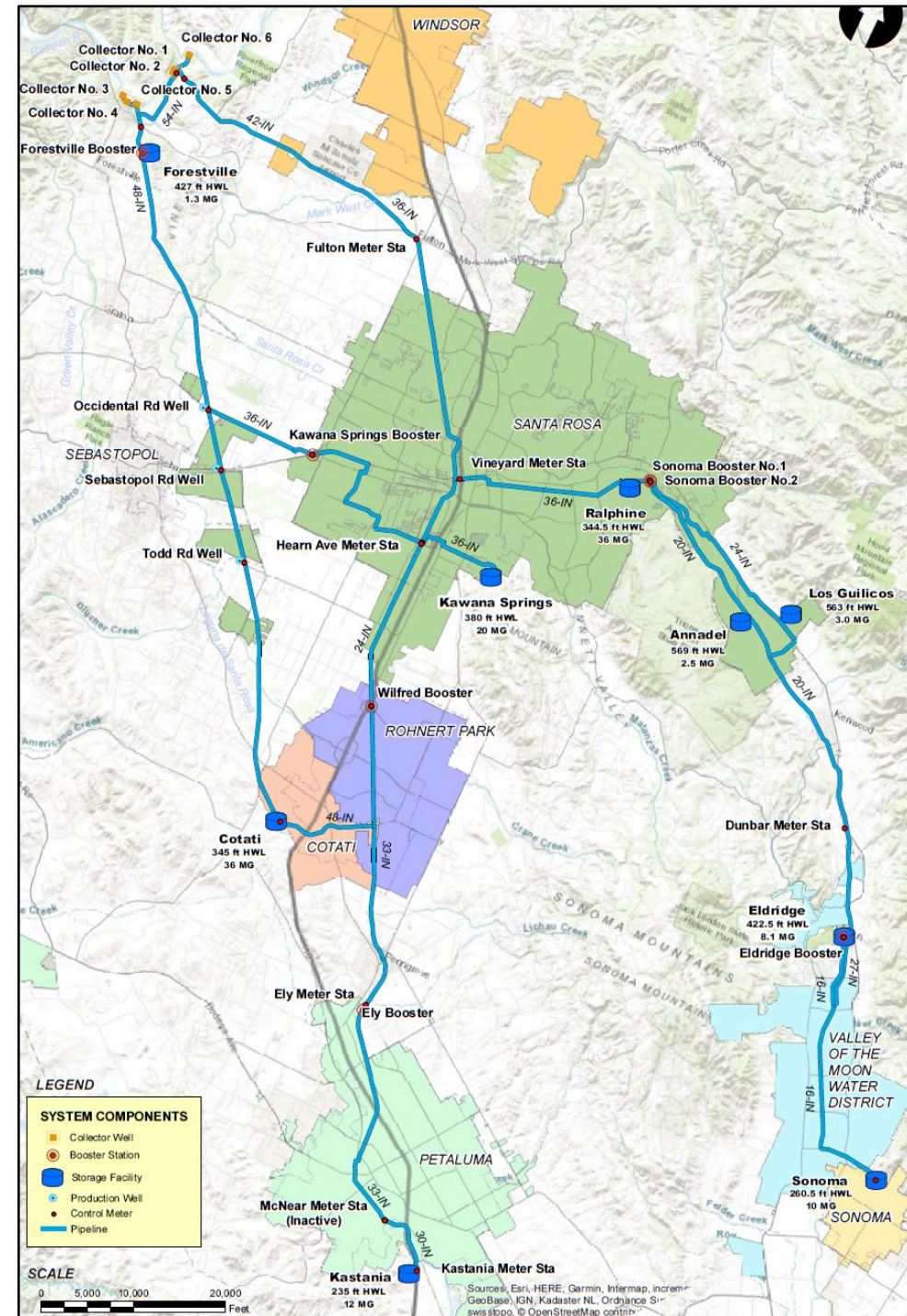
Active Design Projects

	Current Design Stage	Planned Advertise Date
Ralphine Tank Farm Security Fence	100% design	Nov 2025
Ralphine Tank No.1 Recoating & Seismic Improvements	99% design	Jan 2026
RDS Resiliency Improvements	99% design	Jan 2026
Sonoma No.1 Recoating & Seismic Improvements	90% design	Mar 2026
Warm Springs Dam Hydropower	90% design	Apr 2026
Wohler Road Storage Facility	60% design	Dec 2026
Santa Rosa and Russian River-Cotati Intertie Aqueducts Cathodic Protection Upgrade Phase 2	30% design	Sep 2027
Water Treatment System Modernization – CT Compliance	50% design	Dec 2026



Comprehensive Master Plan

- Completed:
 - Task 1 - Water System Baseline
 - Task 4 – Project Prioritization Methodology
- FY25/26:
 - Task 2 – Water Demand Forecasting (UWMP*)
 - Task 3 – Basis of Cost Information
- FY26/27:
 - Task 5 – Generate Project Groupings
 - Task 6 – Compile Master Plan





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