



Board of Directors
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Catherine P. Keeling, Vice President
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Keith Ford
Mohammed A. Hasan
Steve Huber
Rachel Jones

General Manager
Mauricio Guardado

Legal Counsel
David D. Boyer

MINUTES ENGINEERING AND OPERATIONS COMMITTEE MEETING

Thursday, November 6, 2025, at 9:30 a.m.
UWCD Headquarters, First Floor, Board Room
1701 N. Lombard Street, Oxnard, CA 93030

OPEN SESSION

Chair Catherine Keeling called the meeting to order at 9:34 a.m.

Committee Members Roll Call

Present: Directors Kimball and Keeling.

Absent: Director Ford.

1. **Public Comments:** None.

2. **Approval of Minutes
Motion**

Action: M/S/C (Kimball, Keeling) to approve October 2, 2025, minutes.

Vote: Ayes: Kimball and Keeling; Noes: None; Absent: Ford.

3. **Asset Management Pilot Project Update
Information Item**

Senior Engineer Nathan Summerville provided an update to the Committee regarding its activities in support of the District's Asset Management Project, presentation attached.

4. **Monthly Department Updates
Information Items**

4.1 **Engineering Department**

Engineering Manager Robert Richardson presented department highlights to the Committee, presentation attached. With guidance from the General Manager, Director Keeling requested that when the County of Ventura Board of Supervisors Agenda becomes available for its November meeting to please email the Districts' Board members the time/location the District's motion falls on its agenda.

4.2 **Environmental Services Department**

Environmental Services Manager Marissa Caringella presented department highlights to the Committee, presentation attached.



4.3 Operations and Maintenance Department

Chief Operations Officer Craig Morgan presented department highlights to the Committee, presentation attached.

5. Future Agenda Items

None were offered by the Committee.

ADJOURNMENT

Chair Keeling adjourned the meeting at 10:29 a.m.

I certify that the above is a true and correct copy of the minutes of the UWCD Engineering and Operations Committee Meeting of November 6, 2025.

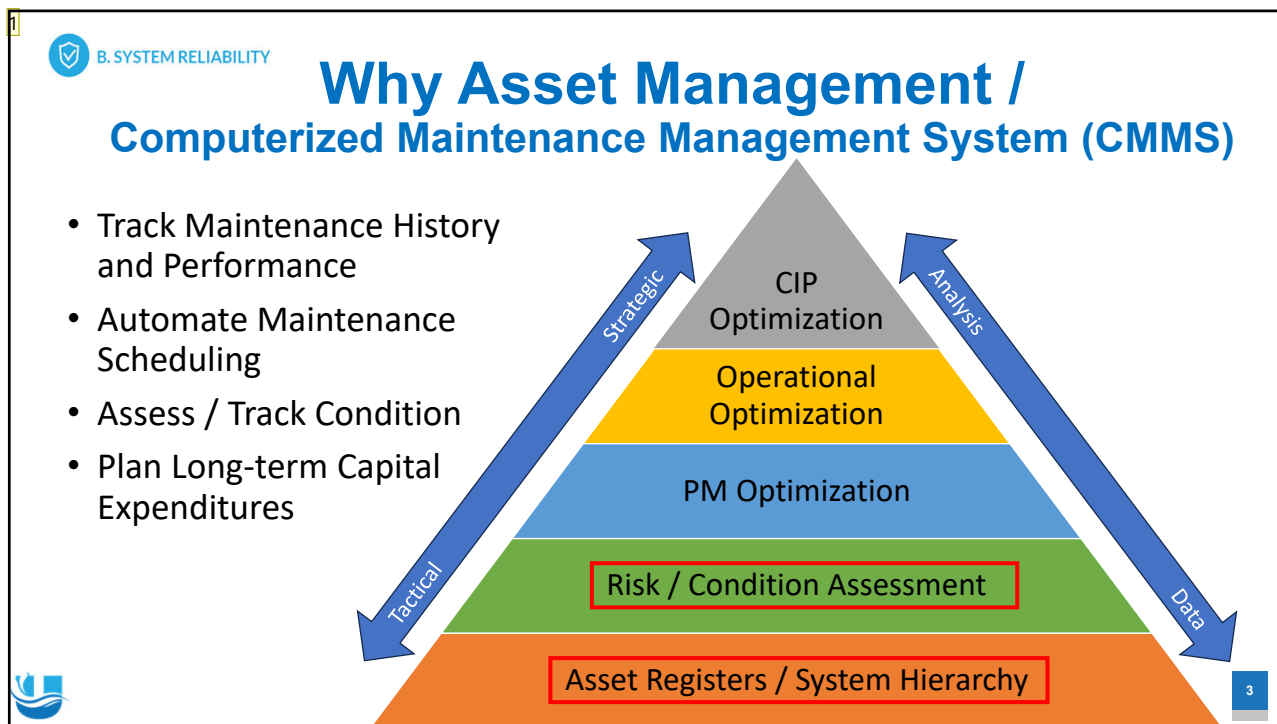
ATTEST: Gordon E. Kimball Director Gordon Kimball substitute for:
Catherine P. Keeling, Chair



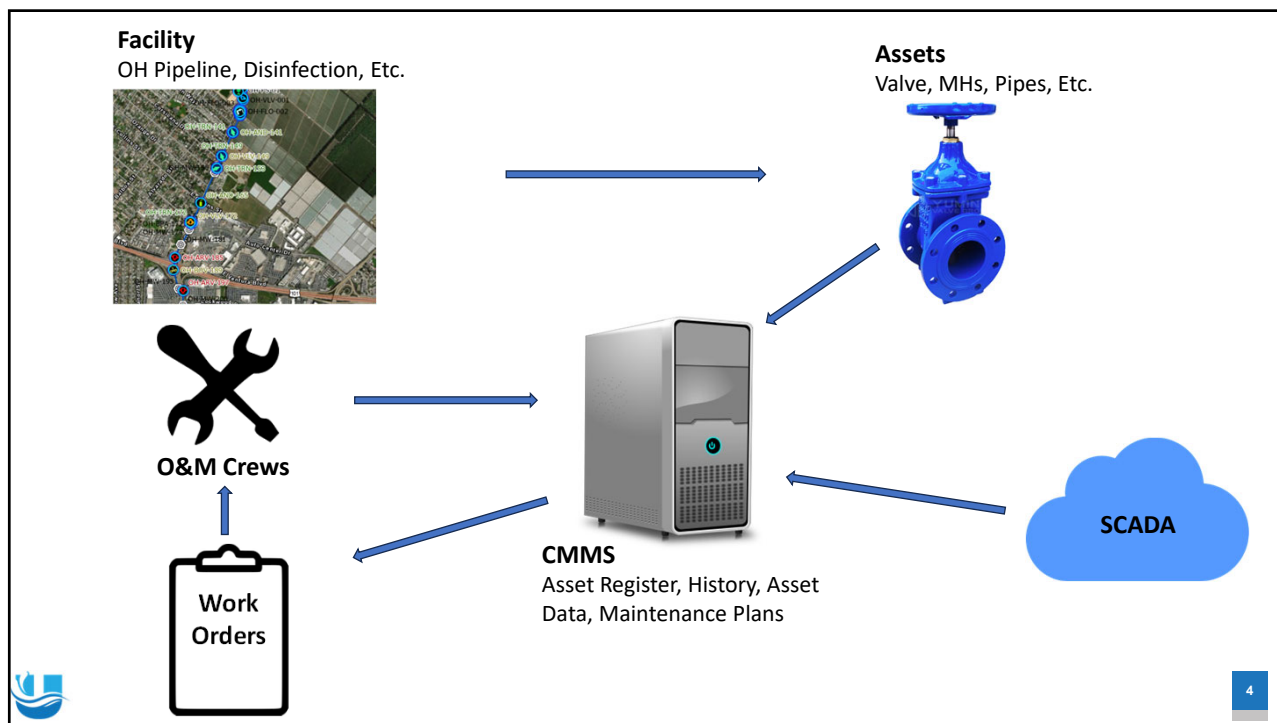
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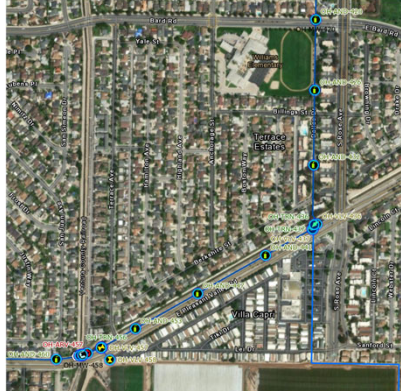
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Asset Management – Pilot

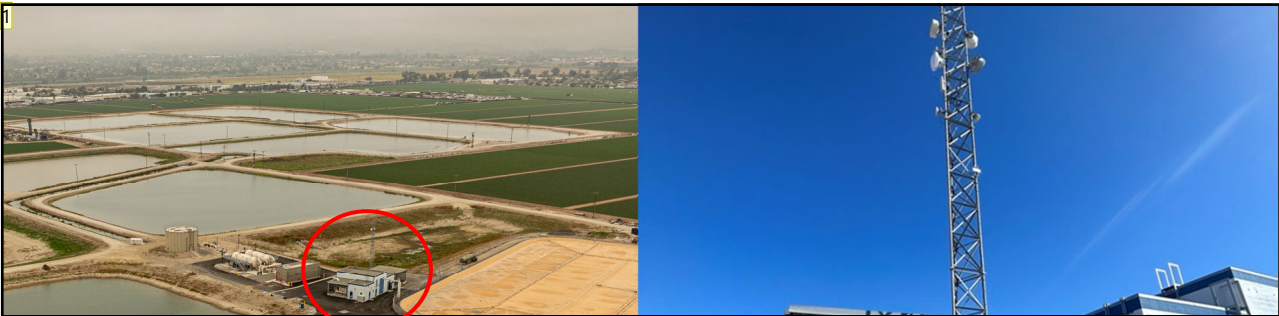
Hierarchical Assets



Linear Assets



- Develop Asset Databases and Maintenance Plans
- Solicited Proposals from Four Qualified Firms
- HDR and Atkins Realis Provided Proposals
- Budget: \$209,000 MB1
- Completed Initial Inspection & Pilot July 31st

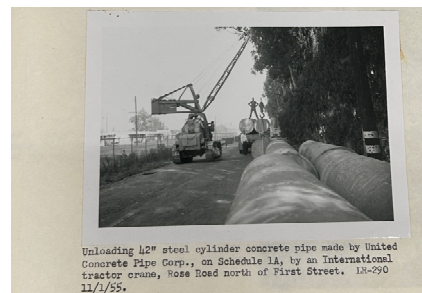
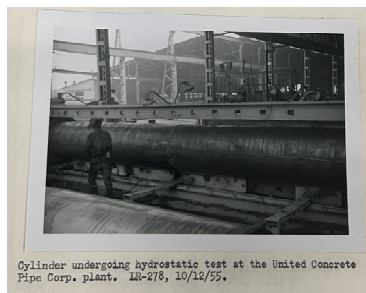
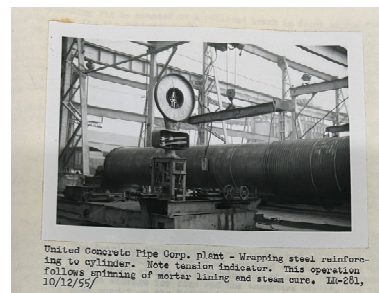


Chlorine Building



Oxnard-Hueneme (OH) Pipeline

- Bond Funded
- Constructed 1955/1956
- Major Modifications in the RR2 1990s
- Original Agreements 1950s
- Renegotiated in the 1996
- Amendments: 2001, 2003, MB3 2012, 2016



7 RR1

7

Asset Workshops



Some Keys to Success



- User Engagement
- Data Purpose
- Data Quality

MB1


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B. SYSTEM RELIABILITY

**Asset Data Management
 Technical Memorandum**
 United Water Conservation District
 Asset Management Program
 April 30, 2025



Location Organization & Valid Values					
Facility Group	Facility Code	Facility	Area	Sub Area	
El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Storage	
				Chlorine Injection	
				Aqua Ammonia	
				Electrical/Instrumentation	
				CL2 Scrubber	
				Yard	
				Storage	
				SCBA Room	
				Cleanwell #1	TBD
				Cleanwell #2	TBD
			Analyzer Returns	TBD	
	FeMn	Iron & Manganese Treatment Plant	TBD	TBD	
	BPS	Booster Pump Station	Pump Station	TBD	
			Gas Engine Backup	TBD	
	ERWF	El Rio Well Field	TBD	TBD	
	ERRB	El Rio Recharge Basins	TBD	TBD	
Pipelines	MS	Main Supply Line	N/A ¹	N/A	
	OH	Oxnard-Hueneme Pipeline	N/A	N/A	
	PTP	Pumping Trough Pipeline	N/A	N/A	
	PV	Pleasant Valley Pipeline	N/A	N/A	
	PVR	Pleasant Valley Reservoir	N/A	N/A	

AssetID	FacilityGroup	FacilityCode	Facility	Area	SubArea
CL2-AGP-005C	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Yard
CL2-AGP-006C	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Yard
CL2-AGP-007C	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Yard
CL2-AGP-008C	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Yard
CL2-ANZ-001	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-ANZ-002	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-ANZ-003	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-ANZ-004	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-ANZ-005	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-001	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-002	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-003	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-004	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-005	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-006	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-007	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection
CL2-CHL-008	El Rio Facilities	CL2	Disinfection Facility	Chlorine Building	Chlorine Injection

Asset Register

Chlorine Building

- 111 Assets

OH Pipeline

- 220 Assets

AssetID	PM Frequency						P
	W	M	Q	SA	A		
CL2-ANZ-001		X			X	As needed	
CL2-ANZ-002		X			X	As needed	
CL2-ANZ-003		X			X	As needed	
CL2-ANZ-004		X			X	As needed	
CL2-ANZ-005				X			
CL2-CHL-001					X		
CL2-CHL-002					X		
CL2-CHL-003					X		
CL2-CHL-004					X		
CL2-CHL-005					X		
CL2-CHL-006					X		
CL2-CHL-007					X		
CL2-CHL-008					X		
CL2-ELE-001					X		
CL2-ELE-002					X		
CL2-ELE-003					X		

Maintenance Plans

Chlorine Building

- Third-party Review of Maintenance Records
- Current Maintenance Practices Appropriate
- Prepared Maintenance History into a Structured Format for CMMS
- Some Maintenance Suggestions Mainly Related to Ancillary Items and Gaps in Records

B. SYSTEM RELIABILITY

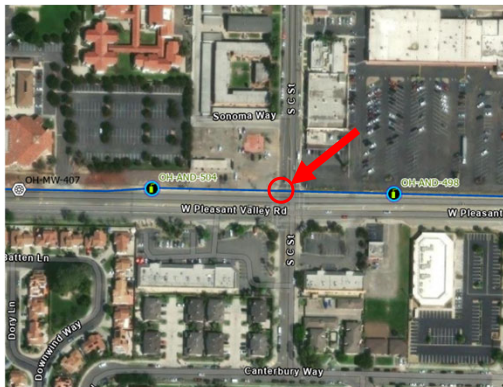
OH Pipeline Inspection

MB1

B. SYSTEM RELIABILITY

OH Pipeline – History

Location – STA 500+50



OH Repair at C Street - 2011



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B. SYSTEM RELIABILITY

“generally good condition”

Defect Severity	Timeframe	Defect Count
Group 1	As Soon As Practicable	0
Group 2	Investigate Near-Term (3-5 years)	35
Group 3	Monitor (5-years)	126



Lining Pitting
 Approx. STA 219+62.38



Hinge Cracks
 Approx. STA 223+64.38



Multiple Cracks
 Approx. STA 164+26.55



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Next Steps – OH Pipeline



Leak Detection



Opportunistic Inspections



Additional Video



Strengthening Cathodic Protection System

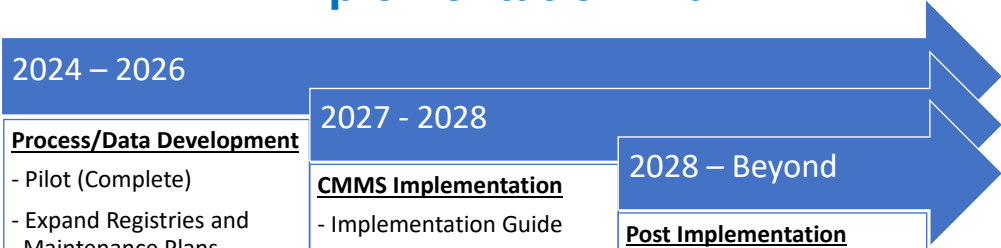







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RR1

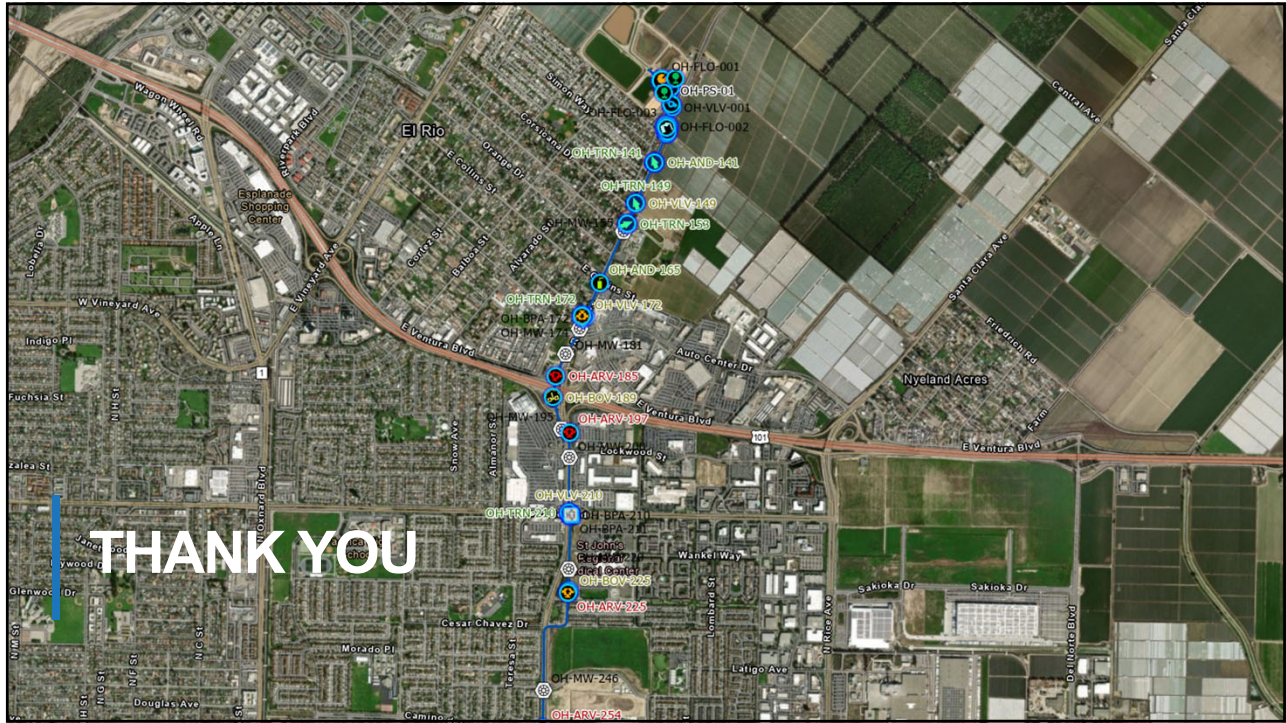
Next Steps – Asset Management / CMMS Implementation Plan



2024 – 2026	2027 - 2028	2028 – Beyond
<p><u>Process/Data Development</u></p> <ul style="list-style-type: none"> - Pilot (Complete) - Expand Registries and Maintenance Plans - Investigation and Assessment of Critical Assets 	<p><u>CMMS Implementation</u></p> <ul style="list-style-type: none"> - Implementation Guide - Request for Proposals - Selection - Approval - Implementation - Training 	<p><u>Post Implementation</u></p> <ul style="list-style-type: none"> - System Management - Change Control - Training - System Maintenance

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Lake Piru Recreation Area Improvements

- Lake Piru Water Treatment Plant Improvement Project
 - Phase 1 (2026) - PLC, Instrumentation, and Process Component Upgrades
 - Phase 2 (2027) – Site Work Improvements and Replacement of Pre-Filter System
- Select Restrooms Upgrades



LP WTP Pre-Filters to Be Replaced



Freeman Conveyance System Upgrade

- September 29 and October 8, 2025 – Freeman Conveyance High-Flow Test
- Coordinated with Water Conservation Release
- Data will be used to calibrate conveyance model updates



Freeman Conveyance System Upgrade

- 250 cfs to 280 cfs through Freeman Conveyance System



4


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Pleasant Valley Pipeline



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 F. COMMUNICATIONS AND
COMMUNITY OUTREACH

Other Events and Public Outreach



Past:

- October 16 – Water Sustainability Summit VI
- October 22 – Maryam Bral attended the CoLAB Annual meeting
- October 23 – Maryam Bral attended the Southern California Water Coalition Annual Meeting
- October 23 – 2025 Santa Felicia Dam Emergency Action Plan Seminar
- October 27-29 – Maryam Bral attended the 2025 Installation Innovation Forum
- October 29 – Tour with Casitas Municipal Water District and County of Ventura




Water Sustainability Summit - **October 16, 2025**

SFD EAP Seminar - **October 23, 2025**





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 F. COMMUNICATIONS AND
COMMUNITY OUTREACH

Other Events and Public Outreach

Upcoming:

- November 18 – Presentation to the Ventura County Board of Supervisors regarding a SFD Resolution – November 18, 2025
- November 19 – United Staff tour of the Calleguas Salinity Management Pipeline
- December 11 – Santa Felicia Dam Duty Operators Dam Safety Cross-Training



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An aerial photograph of a reservoir with a rocky, light-colored shoreline. The water is a greenish-blue. The surrounding hills are covered in sparse, dry vegetation. The text "ENVIRONMENTAL SERVICES DEPARTMENT UPDATE" is overlaid in large, bold, black, sans-serif font. Below the title, the date "November 6, 2025" is written in a smaller black font. In the bottom left corner is a small blue logo of a water drop. In the bottom right corner is the "United Water CONSERVATION DISTRICT" logo, featuring a blue water drop icon and the text "United Water" in blue and "CONSERVATION DISTRICT" in black.

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Updates



-  Efforts impacted by federal shutdown
-  Pothole Trail reroute work to begin in November



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Thank You!



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**OPERATIONS AND
MAINTENANCE
DEPARTMENT
UPDATE**

November 6, 2025



The logo for United Water Conservation District is centered in a white circle. It features a stylized blue wave icon to the left of the text "United Water" in a bold blue font, with "CONSERVATION DISTRICT" in a smaller, grey font below it.

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An aerial photograph showing the Santa Felicia Dam, a large concrete structure with a spillway, situated in a valley. The dam is surrounded by dry, brownish hillsides. In the background, a large blue reservoir, Lake Piru, is visible, nestled between more hills. The sky is clear and blue.

**Santa Felicia Dam
and
Lake Piru**

2

32

Fall Conservation Release



3

33



Freeman Diversion and Saticoy

4

34

Desilting Basin Cleanout



5

35

Desilting Basin Cleanout



6

36

Desilting Basin Cleanout



7

37

Desilting Basin Cleanout



8

38



El Rio

9

39



El Rio Storage Shed/Analyzer Room

10

40

