



AGENDA
BOARD OF DIRECTORS WORKSHOP OF THE
INLAND EMPIRE UTILITIES AGENCY*

WEDNESDAY, SEPTEMBER 4, 2024
10:00 AM

AGENCY HEADQUARTERS
BOARD ROOM
6075 KIMBALL AVENUE, BUILDING A
CHINO, CALIFORNIA 91708

***A MUNICIPAL WATER DISTRICT**

[VIEW THE MEETING LIVE ONLINE AT IEUA.ORG](http://IEUA.ORG)

TELEPHONE ACCESS: (415) 856-9169 / Conf Code: 435 309 916#

The public may participate and provide public comment during the meeting by joining in-person or by calling the number provided above. Comments may also be submitted by email to the Director of Board and Administrative Services Denise Garzaro at dgarzaro@ieua.org prior to the completion of the Public Comment section of the meeting. Comments will be distributed to the Board of Directors.

CALL TO ORDER

ROLL CALL

FLAG SALUTE

PUBLIC COMMENT

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to email the Recording Secretary prior to the scheduled meeting time or address the Board during the public comments section of the meeting. Comments will be limited to three minutes per speaker.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. WORKSHOP ITEMS

- A. [SAFETY UPDATE \(POWERPOINT\)](#)
- B. [HOW A NEED BECOMES A PROJECT \(POWERPOINT\)](#)
- C. [CHINO BASIN PROGRAM UPDATE \(POWERPOINT\)](#)

2. GENERAL MANAGER'S COMMENTS

3. BOARD OF DIRECTORS' REQUESTED FUTURE AGENDA ITEMS

4. BOARD OF DIRECTORS' COMMENTS

ADJOURN

Declaration of Posting

I, Denise Garzaro, CMC, Director of Board and Administrative Services of the Inland Empire Utilities Agency*, a Municipal Water District, hereby certify that, per Government Code Section 54954.2, a copy of this agenda has been posted at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA and on the Agency's website at www.ieua.org at least seventy-two (72) hours prior to the meeting date and time above.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Recording Secretary at (909) 993-1736 or dgarzaro@ieua.org, 48 hours prior to the scheduled meeting so that IEUA can make reasonable arrangements to ensure accessibility.



Safety Update

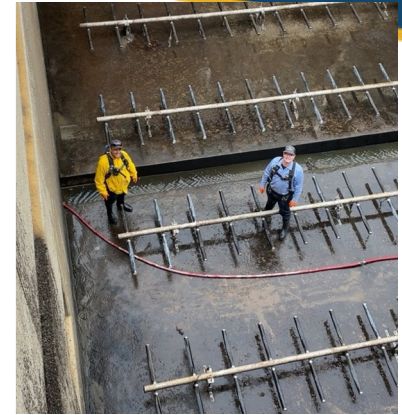
Tony Arellano
Safety Officer
September 2024

Agenda

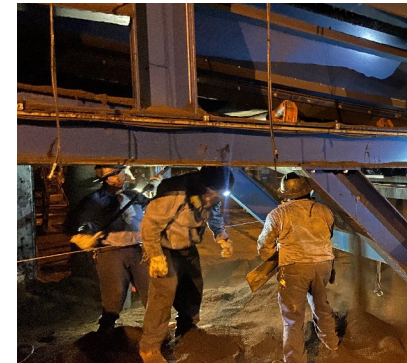
- Program Reviews
- Plan Management
- Inspections
- Engagement



Broken asphalt caused by rupture



CCWRF Aeration Basin



IERCF Screening Room

Program Reviews

Safety Management

Building upon a strong safety foundation



Safety Plans and Programs Evaluation

6 plans and 20 programs, identify gaps, develop recommendations



Safety Protocols and Procedures

Benchmark against industry best practices



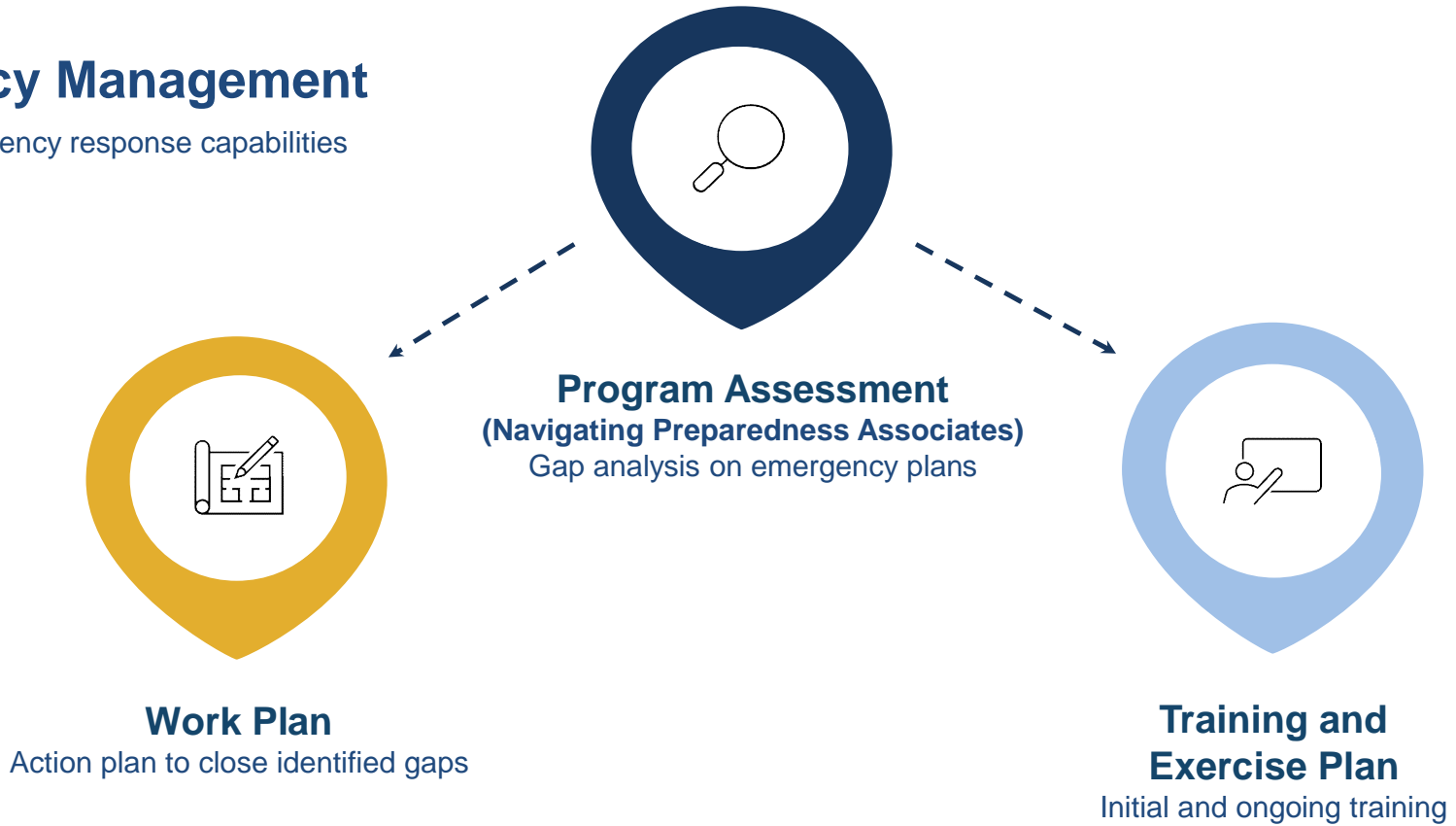
Safety Organizational Structure

Optimize the safety structure

Program Review

Emergency Management

Enhancing emergency response capabilities



Plan Management



Workplace Violence Prevention Plan (WVPP)

- Senate Bill 533
- Training
 - Initial (17 sessions)
 - Annual
 - Onboarding



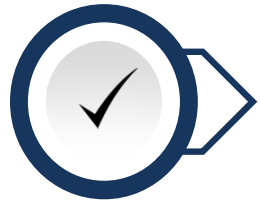
Spill Prevention Control and Countermeasures (SPCC)

- Oil and Diesel
- 5-Year Certification

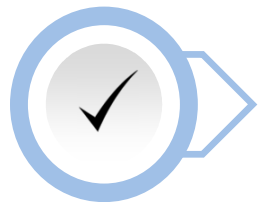


Active Shooter Tourniquet Training

Inspections



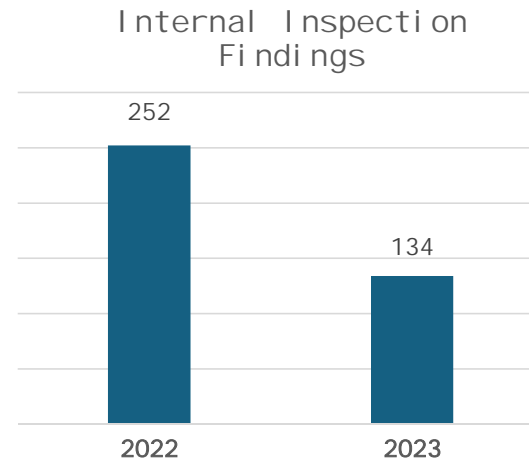
Internal
Formal and Informal



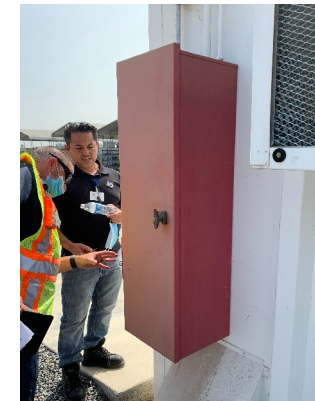
Fire Department
Annual



Certified Unified Program
Agencies (CUPA)
Hazardous Material

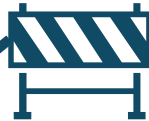


Forklift Inspection



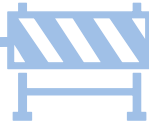
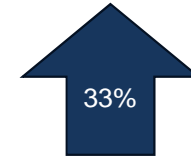
Ontario Fire Dept Inspection

Engagement



National Safety Month

Newsletters – Trivia – Site Visits



Rubber Boots

Metatarsal Guard



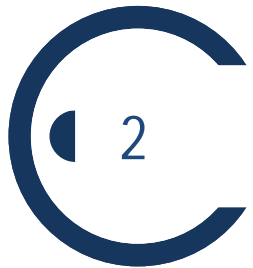
Hard Hats

Light and Comfortable

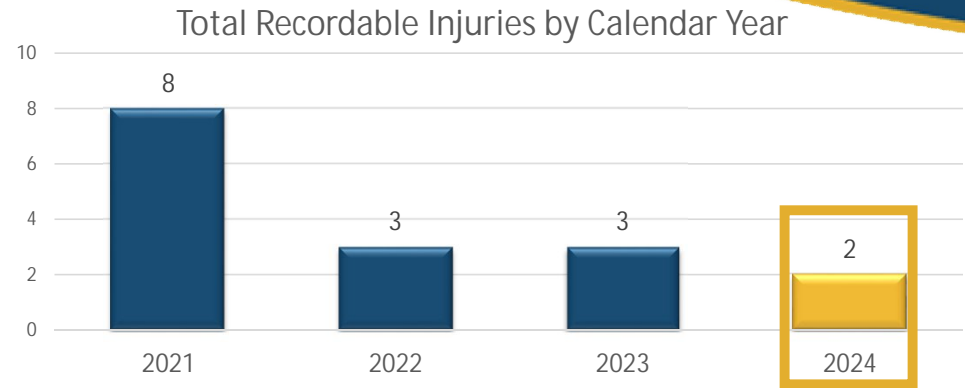


El Prado Sludge Line Break

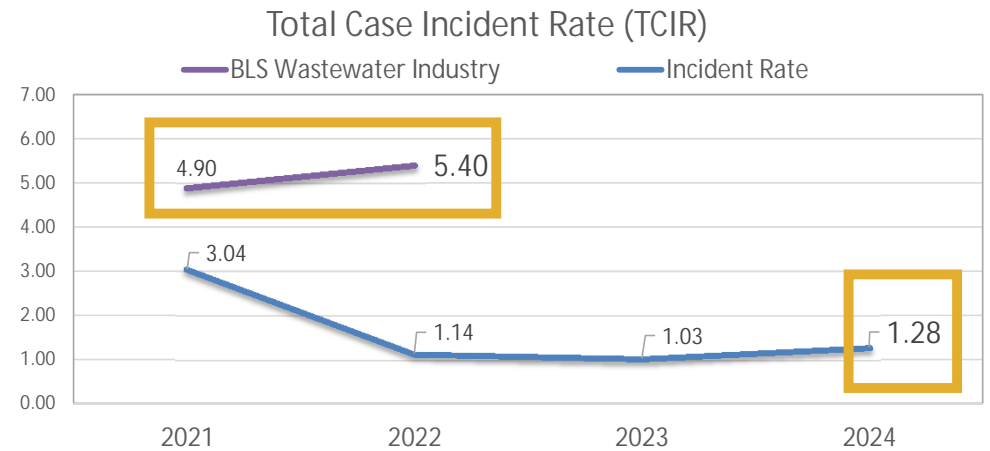
Engagement



Recordable Injuries
75% Decrease



Total Case Incident Rate
58% Decrease



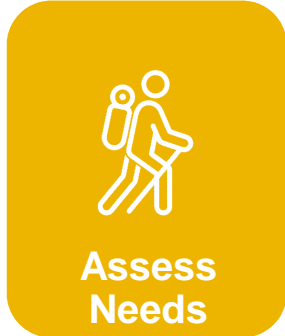


How a Need Becomes a Project

Jason Marseilles, P.E., Manager of Engineering
Travis Sprague, P.E., Manager of Asset Management

September 2024

Agenda





1. Drivers:

Regulatory
Compliance

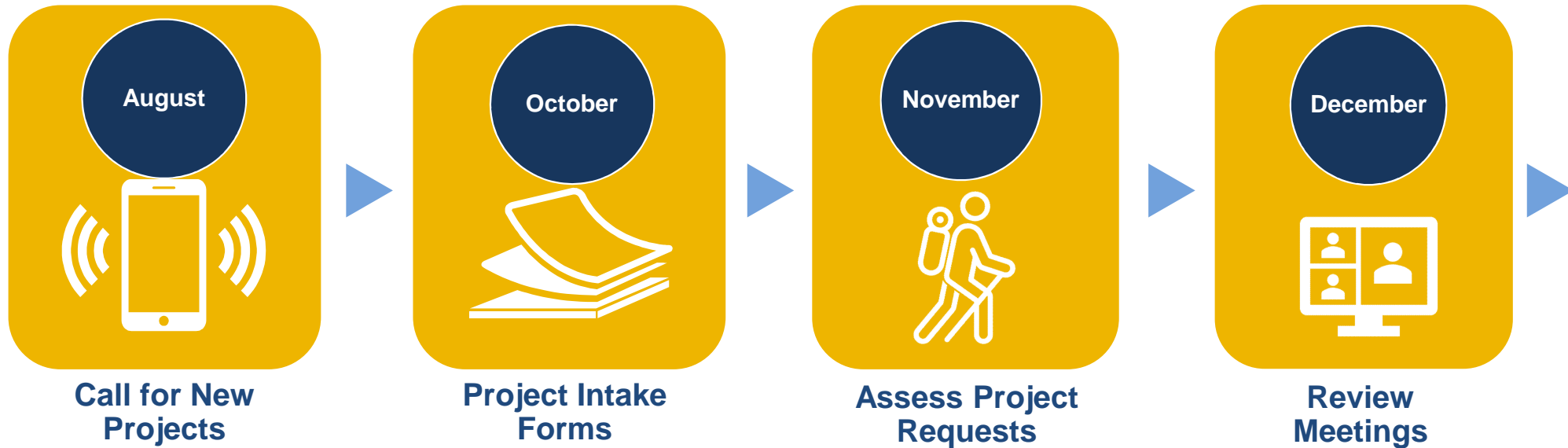
Aging
Infrastructure

Changing
Conditions





2. Needs Evaluation:





4. Project:

Onboard Consultant

Preliminary Design Report

Final Design

Bid and Award

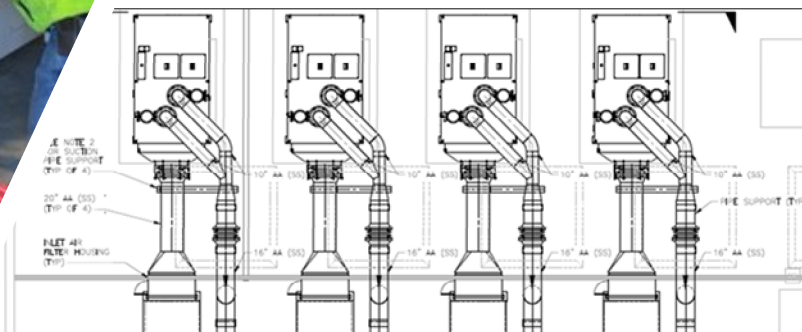
Construction

Project Closeout

Installation



CCWRP Existing Blowers

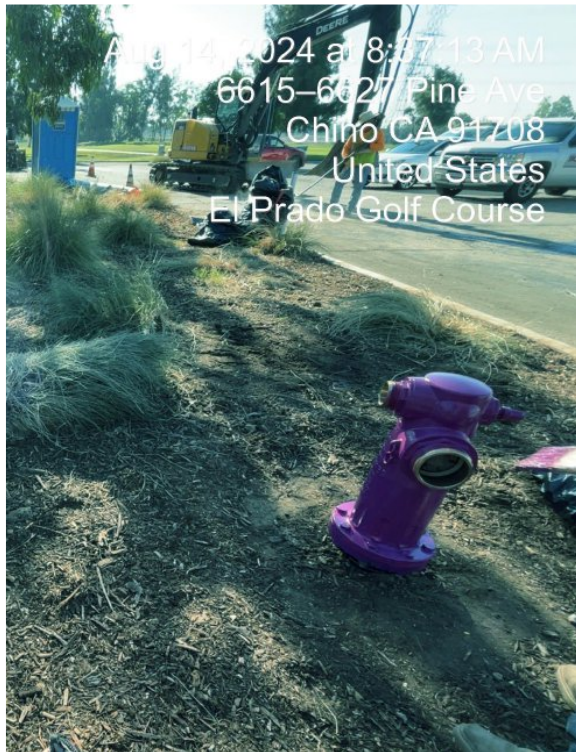


Design Package New Turbo Blowers



5. Unforeseen Projects:

Small Construction Projects



Emergencies







Chino Basin Program Update

Adham Almasri, P.E., Advanced Water Treatment Program Manager

Liza Muñoz, P.E., Senior Engineer

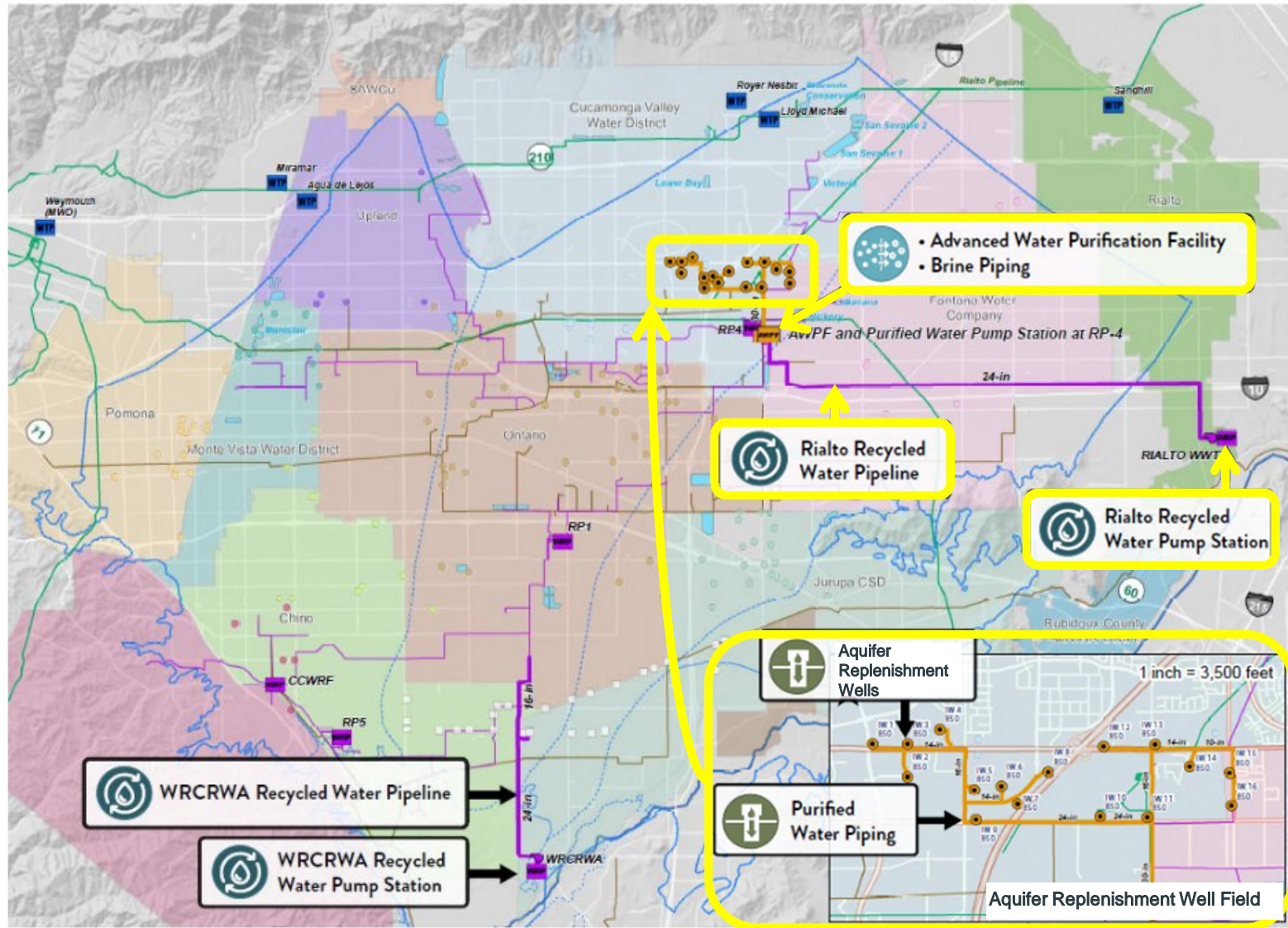
September 2024



Background | Vision

- Make sound investments that address the needs of the region today, tomorrow, and into the future and adapt to changing conditions
- Increase local reliability by developing resilient water supplies
 - Maximize local water resources, such as recycled water
 - Make use of storage opportunities so supplies are available during shortages
 - Increase local infrastructure flexibility
- Maintain and meet water quality requirements
- Identify solutions through partnerships and collaboration
- Seek outside funding from State and Federal grants to support local programs

PUT- Infrastructure



TAKE-Infrastructure

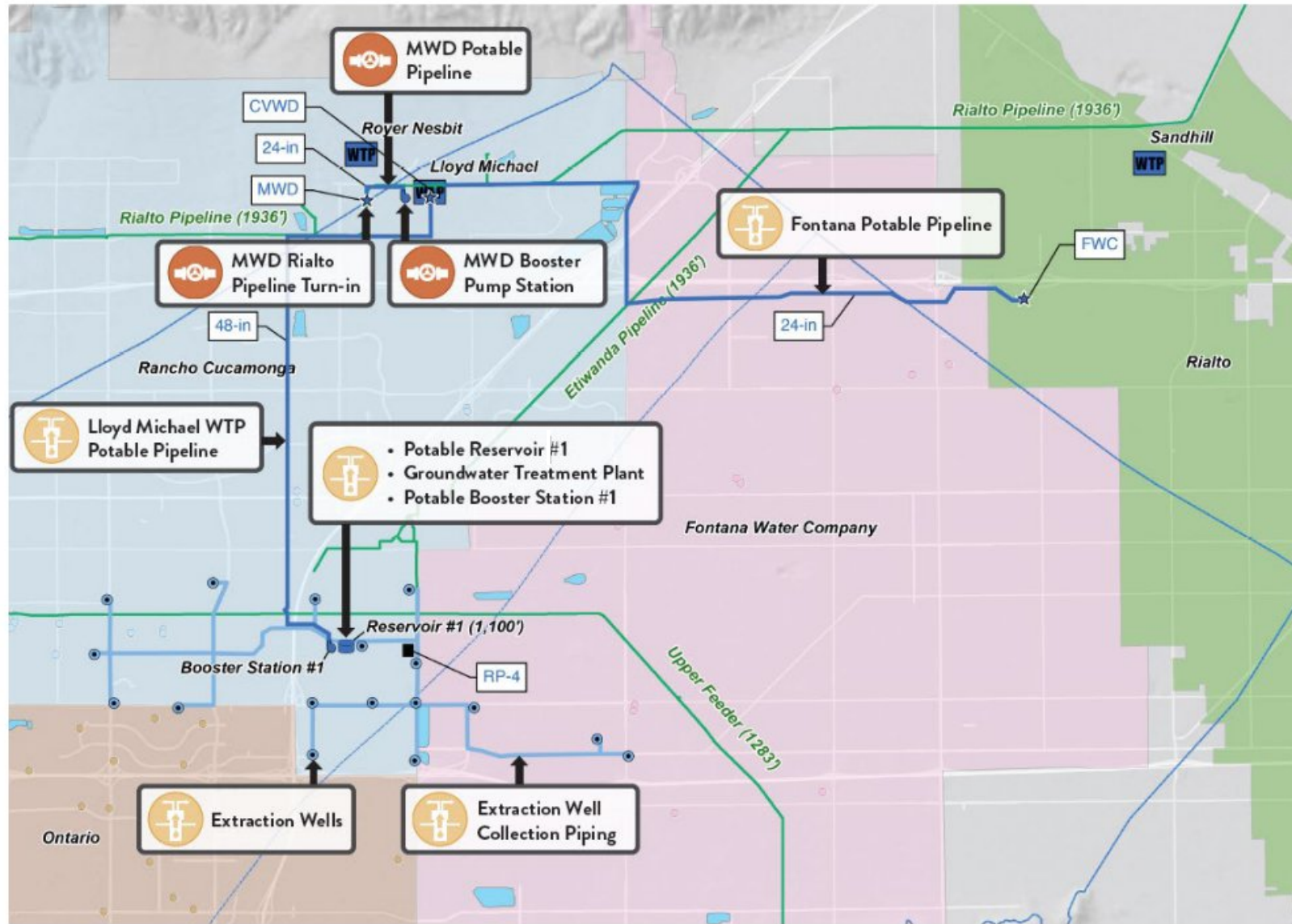


Extraction & Regional Distribution



MWD Interconnection

MWD – Metropolitan Water District





CBP Planning Budget

Chino Basin Program Planning/PDR	Project Budget	Contracts	Expenses	Contract Balance	FY 24/25 Projections
PL19005 – CBP Planning Budget WSIP Early Funding USBR Planning Grant	\$15,000,000 \$10,763,270 \$2,843,353				
Institutional agreements and coordination		\$4,743,697	\$3,814,814	\$928,883	\$650,000
Technical Feasibility/PDR a) Advanced Water Purification Facility at RP-4 b) City of Rialto Recycled Water Supplies c) Replenishing Wells (PUT) d) Permitting and Regulatory Strategy e) Extraction Wells (TAKE) f) TAKE Conveyance & Metropolitan Water District Interconnection		\$11,686,424	\$5,970,534	\$5,715,890	\$3,500,000
Environmental evaluation		\$348,637	\$311,464	\$37,173	\$30,000
Strategy development/communication		\$799,854	\$649,337	\$150,518	\$25,000
Exploratory boreholes/monitoring wells		\$5,823,235	\$1,119,753	\$4,703,482	\$4,500,000
Other			\$1,185,359		
TOTAL	\$28,606,623	\$23,401,847	\$11,931,507	\$11,535,947	\$8,705,000

PDR – Preliminary Design Report

WSIP – Water Storage Investment Program

USBR – United States Bureau of Reclamation



Grant and Loan Opportunities

Funding Source	\$ Amount	Status	Estimated Award
USBR RW & Desalination Planning Grant (CBP Planning efforts)	\$2.8M	Awarded	April 2024
MWD Future Supply Actions (AWP Demonstration Facility)	\$0.4M	Awarded	September 2024
Community Project Request (AWP Demonstration Facility)	\$1.5M	Application submitted March 2024. Pending federal congressional approval.	October 2024
USBR Large Scale Water Recycling Program (AWPF, aquifer replenishing/injection wells, purified water conveyance)	\$10.8M	Application submitted May 2024. Feasibility study submitted July 2024.	Spring 2025
FEMA BRIC (Rialto RW Interconnection)	\$46.3M	Conditional award July 2023. Pending final award.	Spring 2025
SWRCB Water Recycling Funding Program (Rialto RW Interconnection)	\$3M	Application submitted 2023	Summer 2025
CWC Water Storage Investment Program (Full CBP)	\$204.2M	Conditionally awarded pending required agreements and permits	2027

USBR – United States Bureau of Reclamation
 RW – Recycled Water
 MWD – Metropolitan Water District
 AWP – Advanced Water Purification Facility

FEMA BRIC – Federal Emergency Management Agency Building Resilient Infrastructure and Communities
 SWRCB – State Water Resources Control Board
 CWC – California Water Commission



Agreements

Local Agreements	Schedule
CBP Performing Agency Term Sheet (IEUA, Cucamonga Valley Water District, Fontana Water Company)	✓ Approved March 2024
Rialto Recycled Water Purchase Agreement (IEUA, City of Rialto)	✓ Approved April 2024
CBP Exchange Agreement (IEUA, Metropolitan Water District)	October 2024

State Agreements	Schedule
Public Benefit Agreements: <ol style="list-style-type: none"> 1. Environmental (IEUA, California Department of Fish and Wildlife) 2. Water Quality (IEUA, State Water Resources Control Board) 3. Emergency Response (IEUA, Department of Water Resources) 	Final Terms Fall 2024
Pulse Flow Agreement (Department of Water Resources, California Department of Fish and Wildlife)	Final Terms December 2024
Water Exchange Agreements (IEUA, Metropolitan Water District, Department of Water Resources)	2025
CWC Final Funding Award (IEUA, California Water Commission)	2027



PUT Facilities Schedule Overview

FISCAL YEAR		2023 -2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032																													
		23 Q3	23 Q4	24 Q1	24 Q2	24 Q3	24 Q4	25 Q1	25 Q2	25 Q3	25 Q4	26 Q1	26 Q2	26 Q3	26 Q4	27 Q1	27 Q2	27 Q3	27 Q4	28 Q1	28 Q2	28 Q3	28 Q4	29 Q1	29 Q2	29 Q3	29 Q4	30 Q1	30 Q2	30 Q3	30 Q4	31 Q1	31 Q2	31 Q3	31 Q4	32 Q1	32 Q2										
CBP PROJECTS																																															
PUT Facilities	AWP Demonstration Facility	DESIGN				CONSTRUCT				OPERATE																																					
	AWPF at RP-4	PROCURE PDB PH1				PH1 DESIGN (GMP)				GMP		CONSTRUCT																										COM									
	City of Rialto RW Supplemental Supply	PROCURE PDB PH1				PH1 DESIGN (GMP)				GMP		CONSTRUCT																										COM									
	Exploratory Monitoring Well	PROC		CONSTRUCT		OPERATE																																									
	Pilot Replenishing Well					DESIGN		PRO		ONSTRU		OPERATE																																			
	Aquifer Replenishing Wells					PROCURE		DESIGN 1ST FIVE				ROC		CONSTRUCT WELLS				Co		CONSTRUCT WELLS				COM																							
	Purified Water Conveyance					PROCU		PDR		DESIGN				PRO		CONSTRUCT				CO																											
TAKE Facilities	Groundwater Extraction	PDR				PROCURE				DESIGN				PROC		CONSTRUCT				COM																											
	Potable Water Pumping and Conveyance	PDR				PROCURE				DESIGN				PROC		CONSTRUCT				COM																											
	Connection to Metropolitan	PDR				PROCURE				DESIGN				PROC		CONSTRUCT				COM																											

PRO/PROC – Procurement
 PDB – Progressive Design Builder
 PH1 – Phase 1

GMP – Guaranteed Maximum Price
 CO/COM – Commission
 PDR – Preliminary Design Report



CBP Design & Construction Budget

CBP Facilities Project		Fund	Project Budget	FY 24/25 Budget	FY 24/25 Projection
PUT Facilities	Engineering Development and Early Design Compliance for Wastewater Facilities	Regional Wastewater Capital	\$45,200,000	\$4,500,000	\$4,500,000
	Engineering Development and Early Design Compliance for Recycled Water Facilities	Recycled Water	\$23,000,000	\$3,000,000	\$3,000,000
	Advanced Water Purification Facility at RP-4	Regional Wastewater Capital	\$223,000,000	\$0	\$0
	RW Interconnection to the City of Rialto	Recycled Water	\$125,000,000	\$0	\$0
	Aquifer Replenishing Facilities	Recycled Water	\$178,000,000	\$0	\$0
	Advanced Purified Water Conveyance	Recycled Water	\$73,000,000	\$0	\$0
PUT Subtotal			\$667,200,000	\$7,500,000	\$7,500,000
TAKE Facilities	CBP Extraction Facilities	Recycled Water	TBD	\$0	\$0
	CBP RW Interconnection to MWD - Rialto Pipeline	Recycled Water	TBD	\$0	\$0
TAKE Subtotal			TBD	\$0	\$0

RW – Recycled Water
MWD – Metropolitan Water District



Project Delivery Methods

Collaborative Delivery – Schedule Comparison

DESIGN-BID-BUILD



PROGRESSIVE DESIGN-BUILD



 Board Action

RFP – Request for Proposal
RFQ – Request for Qualifications
GMP – Guaranteed Maximum Price



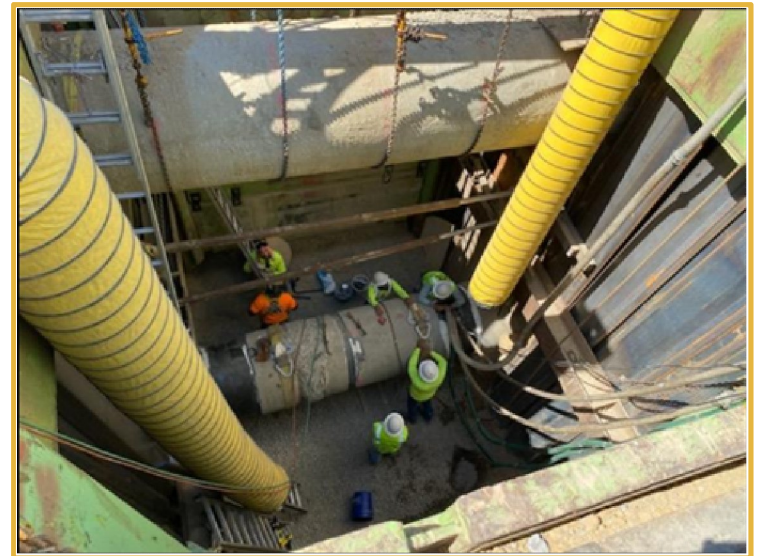
Procurement Schedule

Milestone	Tentative Dates	
Request For Qualifications (RFQ)	AWPF at RP-4	Rialto Supplemental Supply
Issue RFQ	August 5, 2024	September 4, 2024
SOQ Evaluation and Short List Selection	October 2-29, 2024	November 1-28, 2024
Request For Proposals (RFP)	AWPF at RP-4	Rialto Supplemental Supply
Issue RFP	November 14, 2024	December 16, 2024
Submit Proposal	February 20, 2025	March 3, 2025
Interviews	April 11-24, 2025	April 9-24, 2025
Recommendation to Award Contracts	July 16, 2025	

SOQ – Statement of Qualifications

Completed and Ongoing Tasks

- **Program Management**
 - ✓ Completed Program Management Plan & Program Chartering
 - ✓ Cost-loaded schedule
- **Procurements**
 - ✓ Conducted market-sounding
 - ✓ Delivered industry presentation
 - ✓ Third-party legal
- **Advanced Water Purification Facility**
 - ✓ 30% Design of Demonstration Facility
 - ✓ Piping connection to Demonstration Facility
 - Sampling of 3 flow sources (ongoing)
- **Aquifer Replenishment Facilities**
 - ✓ Drilling on Monitoring Well MW-03



Installation of the 1158 RW connection to the AWP Demonstration Facility



Three-Month Look Ahead

- **Advanced Water Purification Facility**
 - Complete Demonstration Facility design
 - Pre-qualification of Progressive Design-Builders
 - Pre-qualification of Demonstration Facility contractors
- **Aquifer Replenishment Facilities**
 - Drilling on Monitoring Well MW-02
 - Pilot Aquifer Replenishment (AR) Well
 - Continue design of the Pilot AR Well
 - Complete design of pilot alternative recharge methods
- **Conveyance System**
 - Collaborate with City of Rialto on Change of Use Petition
 - Pre-qualification of Progressive Design-Builders



Drill Rig at IEUA's AR-MW-03 location



Questions?