



Subcommittee on Pure Water Southern California  
and Regional Conveyance

# Pure Water Southern California Program Quarterly Update

Item 3a

January 22, 2025

Item 3a  
PWSC  
Quarterly  
Update

## Agenda

- Partnership & Agreements
- Environmental Planning
- Advanced Water Treatment
- Conveyance System
- Upcoming Program Milestones
- Next Steps

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## Partnership & Agreements

- Member Agencies
  - Discussed terms for water delivery
- Southern Nevada Water Authority
  - Discussed terms for investment in PWSC
- United States Bureau of Reclamation
  - Entered into agreement for LSWRP grant funding
    - Grant Total: \$125,472,855
    - Initial release: \$ 55 M
    - Pre-award start date: April 6, 2020
    - Agreement start date: January 10, 2025
    - Agreement duration: 3 years

# Large-Scale Water Recycling Program Scope of Work



## Planning & Design Activities

- Procure Membrane Bioreactor (MBR) & Advanced Water Treatment (AWT) Progressive Design-Build (PDB) entities to start AWPf design
- Continue Sanitation District's design of centrate pre-treatment process
- Continue design of pipeline reaches
- Procure alternative delivery entities for conveyance
- Evaluate treated water augmentation opportunities
- Continue program management & outreach
- Continue demonstration testing & research

## EIR Updates

- EIR preparation on-going
- Next Steps
  - Public review draft EIR: May – June 2025
  - Response to comments: Mid – Late 2025
  - Final EIR certification: Early 2026
- Pursuing SB 149 CEQA Litigation Streamlining



# Napolitano Innovation Center Demonstration Testing Update

## Recent Accomplishments

- Treatment validation testing with chemical spiking
- Draft Secondary MBR testing report
- Collaborated with LACSD on testing for ocean discharge evaluation



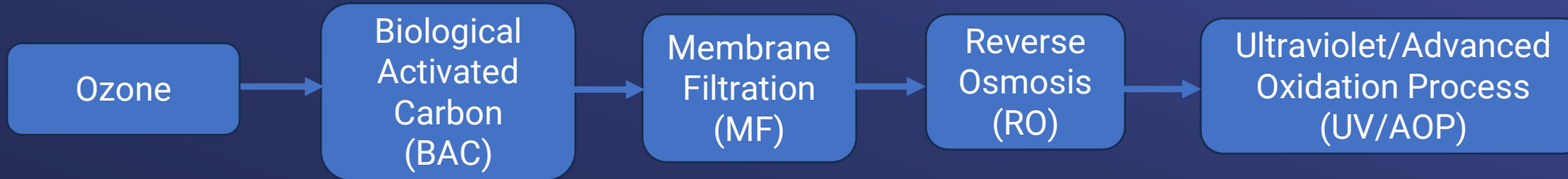
## Upcoming Activities

- Independent Science Advisory Panel meeting
- Complete nitrification-denitrification testing
- Transition to nitrifying-only tertiary MBR testing
- Plan evaluations of DPR treatment alternatives

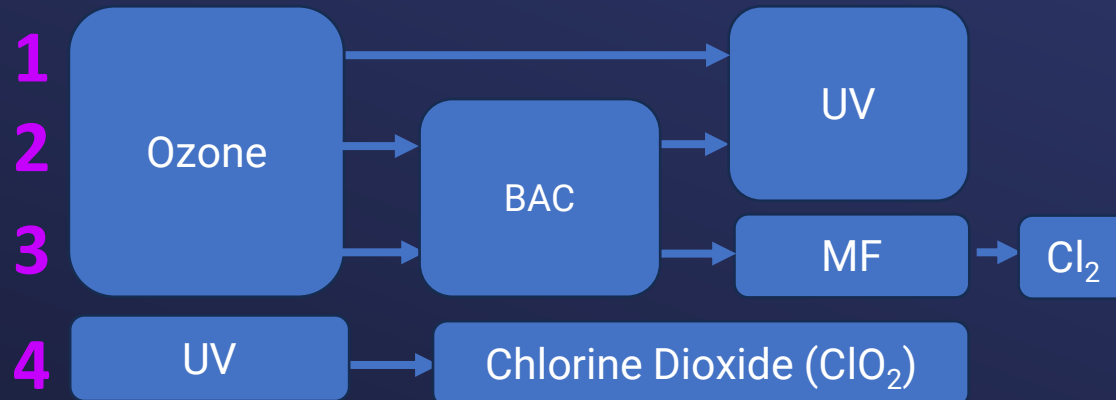
# DPR Demonstration Testing – Facility Planning

- DPR Treatment Trains

## Default Train (full-size MF/RO modules)



## Alternative Trains (pilot skids)



- Improvements to Existing Facilities

Direct PR via  
TWA  
Feasibility  
Evaluation

## TWA Feasibility Evaluation Approach

- Establish potential TWA infrastructure
- Identify demands & operational constraints of nearby feeders
- Conduct hydraulic analyses
- Establish offsite facility requirements
- Evaluate water quality impact on existing feeders
- Estimate facility costs
- Evaluate alternatives for implementation
- Refine permitting & implementation schedules



# Conveyance System

- Presented to Pico Rivera City Council
- Received conditional approval of pipeline alignment from city of Azusa
- Initiated coupon testing for pipeline lining & coating materials at Metropolitan's corrosion lab in La Verne
- Conducted soil resistivity testing along backbone pipeline alignment within SCE rights of way
- Continued utility investigations & coordination with property owners



Corrosion Testing Coupons



Testing for Coatings & Linings

# PWSC Public Outreach Update



Mayor Karen Bass' Staff Tour



Assembly Member Tina McKinnor Tour

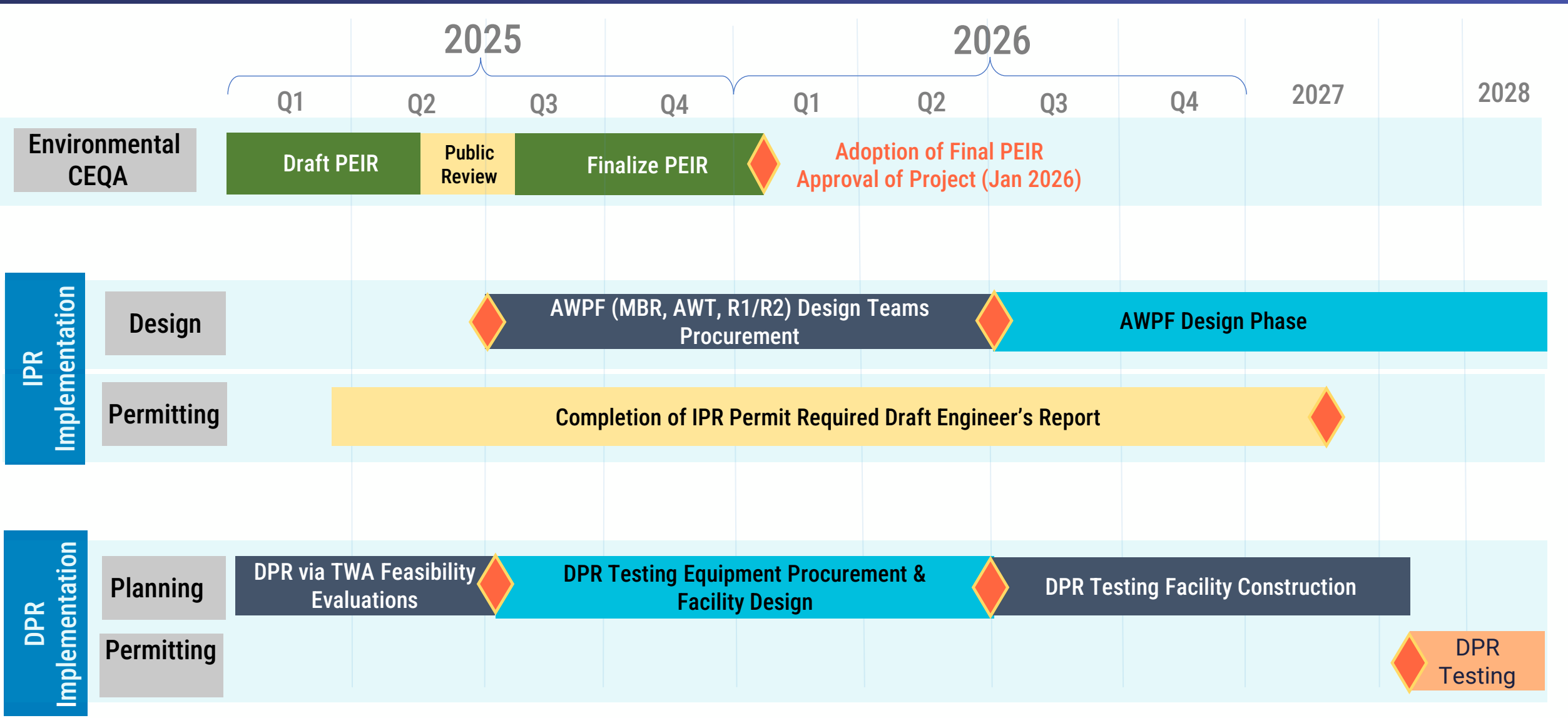


West Basin Water Harvest



Wate(R)evolution Symposium

# Program Near-Term Schedule



# Next Steps

- Prepare remainder of chapters for EIR & issue first admin draft
- Continue program phasing evaluation for implementation
- Continue planning for DPR demonstration testing
- Complete evaluation of program implementation with TWA options
- Conduct market sounding for conveyance projects
- Continue preparation of RFQs for AWPf PDB, and CM/GC for Reaches 1 & 2



