



Subcommittee on Pure Water Southern California  
and Regional Conveyance

# Pure Water Southern California Program Quarterly Update

Item 3a

September 24, 2024

Item 3a  
PWSC  
Quarterly  
Update

## Agenda

- Summary of Work Completed
- Conveyance Pipeline Reaches 1 & 2 Updates
- Potential Pure Water Deliveries
- LSWRP Grant Updates
- Demonstration Testing Updates
- Outreach Updates
- Next Steps

# Work Completed Last Quarter



- Partnership & Agreements:
  - Authorized amended & restated agreement with Sanitation Districts
  - Met with member agencies to discuss terms for delivery of water
  - Met with Southern Nevada Water Authority to discuss terms for investment in PWSC
- Environmental:
  - Completed EIR biological surveys & groundwater technical memoranda

## Work Completed Last Quarter (cont'd)

- Phasing & Direct Potable Reuse (DPR):
  - Developed program phasing options with treated water augmentation (TWA)
  - Completed DPR White Paper
  - Initiated procurement of DPR pilot testing equipment
- Full-Scale Treatment Facilities:
  - Continued developing RFQs for PDB contracts
- Conveyance:
  - Completed Conveyance Facilities Conceptual Design Draft Report
  - Prequalified large-diameter valve manufacturers (RFQ 1236)



# Conveyance Reaches 1 & 2 Updates



- 14 miles
- 7 ft diameter
- Open cut & trenchless construction
- 3 member agency service connections
- 1 isolation valve

# Conveyance Reaches 1 & 2 Updates (cont'd)

- Completed Activities
  - Completed Reach 1 Draft Preliminary Design Report
  - Conducted 5-day Value Engineering Workshop
  - Finalized ENVISION pre-assessment
  - Completed mobile LiDAR surveys



Value Engineering Workshop



Field Survey Team



Mobile LiDAR Survey Equipment

# Conveyance Reaches 1 & 2 Updates (cont'd)

- Ongoing Preliminary Design Activities
  - Conducting geotechnical & utility field investigations
  - Coordinating utility relocations with multiple agencies
  - Preparing RFQ documents for CM/GC contract(s)
  - Coordinating permits with USACE, LA County, SCE, Caltrans, Union Pacific, etc.

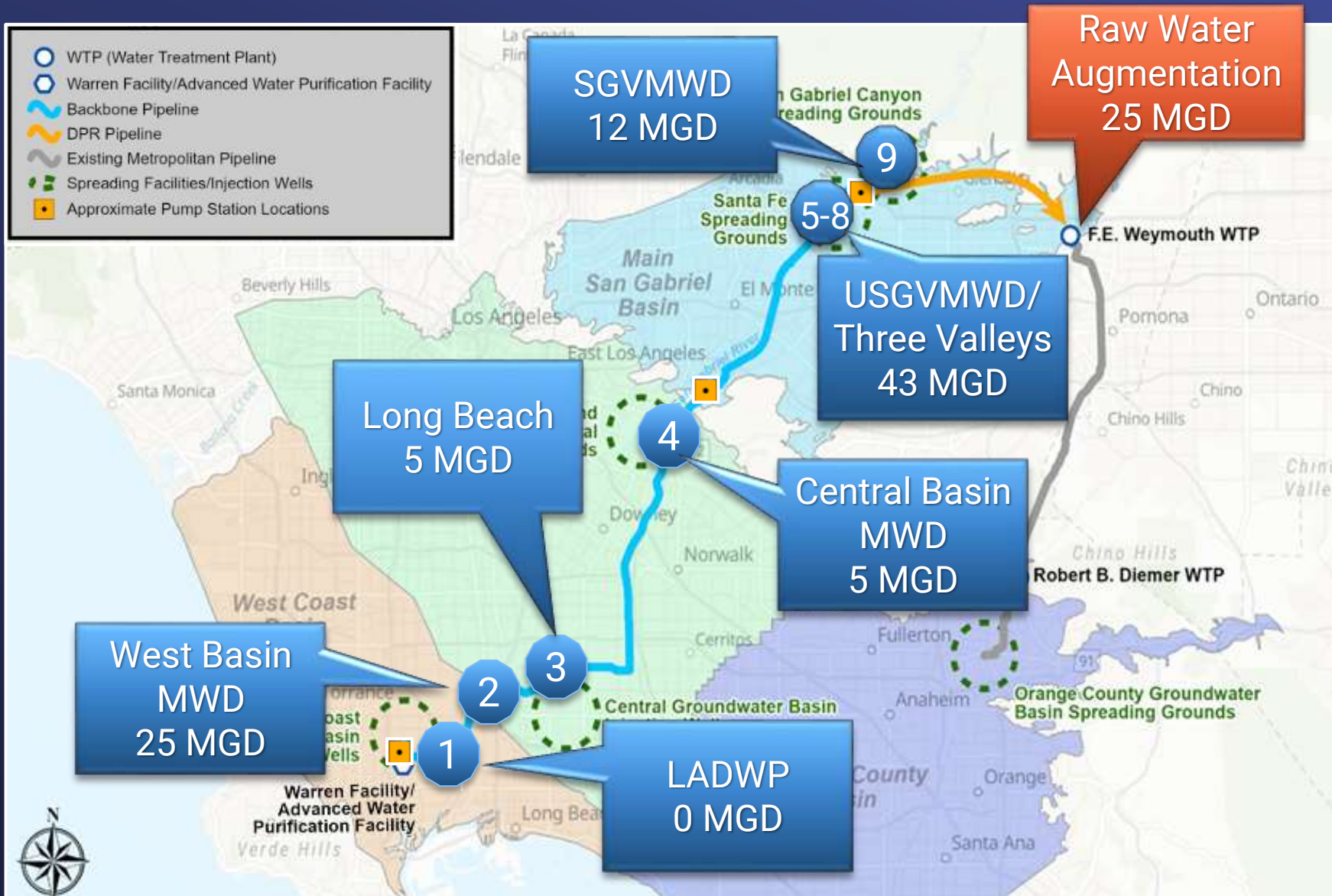


Utility Scanning



Geotechnical Borings

# Potential Pure Water Deliveries



## Average Day Demand Phase 1 (115 MGD)

- 25 MGD RWA @ Weymouth via Azusa Pipeline
- 55 MGD in Main SG Basin
- 35 MGD in Central/West Coast Basins



# LSWRP Grant Updates

- Received notice of intent to award up to \$99.2M in LSWRP grant funding
- Submitted application for additional \$26M in LSWRP grant funding
- Discussing grant terms with USBR
- Upcoming Board Items:
  - Authorize adoption of grant resolution – November 2024
  - Authorize grant agreement with USBR – 1<sup>st</sup> quarter 2025



Commissioner Touton at Grant Award Ceremony,  
May 2024



# Napolitano Innovation Center Demonstration Testing (Jun -Sep 2024)

- Completed tests for treatment robustness, addressed performance changes, and evaluated control measures
- Continued to plan next phase of optimization testing with a nitrifying-only MBR
- Prepared for LACSD staff operations integration
- Presented findings at several conferences (WaterReuse California, IWA World Water Congress)



September 24, 2024



# Pure Water Outreach Updates



Lakewood Summer Park Concerts



Carson-Gardena-Dominguez Rotary Club



WELL UnTapped Fellowship Tour



Norwalk Summer Park Concert

## Next Steps

- Complete remainder of technical reports to support the EIR
- Issue first admin draft of the EIR for Metropolitan's review
- Complete phasing evaluation & recommend a pathway for implementation
- Coordinate scope of work to align with available funding & finalize grant terms with USBR
- Authorize adoption of grant resolution & grant agreement with USBR

