Engineering, Operations, & Technology Committee

Pure Water Southern California Program Update

Item 6b

July 7, 2025

Item 6b
PWSC
Program
Update

Agenda

- Environmental Planning/Public Engagement
- Member Agency/Program Partner Collaboration
- Program Funding
- CAMP4W Assessment
- Demonstration Testing
- Backbone Pipeline Sizing
- Next Steps

PWSC Program Update

Environmental Planning & Outreach

- CEQA
  - Released Draft EIR for public review (60-day review period ends July 14)
  - Public meetings held on May 28, June 12 & June 14
  - Final EIR certification anticipated early 2026

- SB 149 – CEQA Litigation Streamlining
  - Preparing administrative records
  - Planning to submit application in the Fall

Draft EIR Public Outreach

Engagement

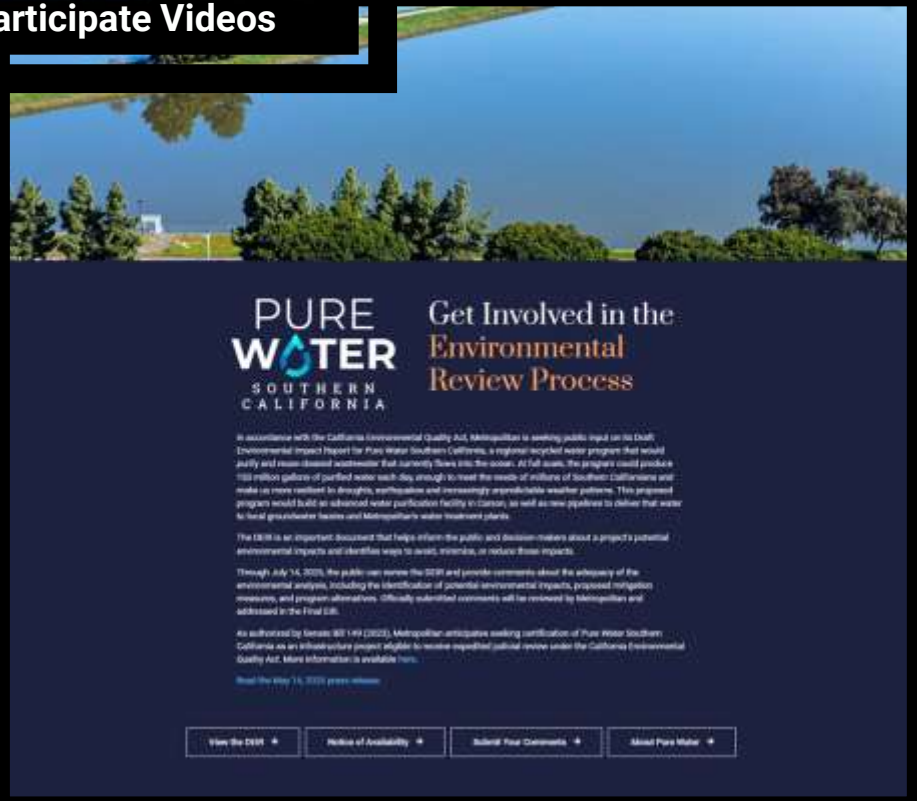
- Public information meetings
- Community events
- Napolitano Innovation Center Tours
- Local outreach/engagement
- Collaboration with Member Agencies
- Partnerships with community-based organizations

Resources

- Dedicated webpage
- Multilingual materials (print/digital)
- “How to Participate” videos
- Social media
- Press release & newspaper ads

How to Participate Videos

Community Events



www.mwdh2o.com/purewaterDEIR

PWSC
Program
Update

Member Agency/Program Partner Collaboration

- Member Agency (MA) Term Sheets
  - MA workshops held on April 17 & June 17
  - Board workshop scheduled for July 22
  - Board action later in 2025
- Meeting with recharge basins working group
  - Basin alternatives and requirements
  - Groundwater monitoring
- Continued discussion with LACSD, Southern Nevada Water Authority & Central Arizona parties

PWSC Program Update

Program Funding

- State of California Grant
  - $80 M direct grant
- WaterSMART
  - $5 M federal grant
  - Submitted quarterly reports
  - Received $3.5 M to date ($168k for LACSD)
- LSWRP (Large-Scale Water Recycling Program)
  - $125 M federal grant
  - Submitted initial report
  - Received $17.4 M to date ($3.6 M for LACSD)
  - Ongoing single audit

WIFIA Loan Considerations

- Large Water Infrastructure — Up to 49% of project costs
- Low Interest Rate — 5.12% for 35 yrs (May 2025)
- Interest Rate Reset — One-time option to reduce rate
- Deferred Start of Payments — 5-year deferred payment after project completion
- Flexible Structuring — Back-loading available
- Long Term — Up to 40 yrs; payoff within 35 yrs after completion
- Early Payment — No penalty
- Rolling Two-Step Process:

Letter of Interest
(Project Selection)

AVERAGE 3-4 MONTHS

Invited to Apply

WIFIA Application
(Project Review, Negotiation, and closing)

AVERAGE 10-12 MONTHS

CAMP4Water Assessment

- Guides water supply investments, programs & policies
- Starts with three major initiatives:
  - Pure Water Southern California
  - Sites Reservoir
  - Delta Conveyance
- Staggered assessment starting with PWSC
  - Preliminary assessment in July
  - Final assessment in November

Demonstration Plant Operational Improvements

- IPR Testing
  - Continued baseline operations, monitoring and testing
  - Modifying second pass reverse osmosis (RO) system into a second RO train
- Facility Upgrades
  - Improved hazardous waste accumulation area
  - Assisted LACSD to install RO concentrate testing pilot system
- DPR Testing Facility Planning
  - Conducted value engineering
  - Finalizing equipment procurement specifications

New Hazardous Waste Cover

RO Concentrate Testing Pilot System

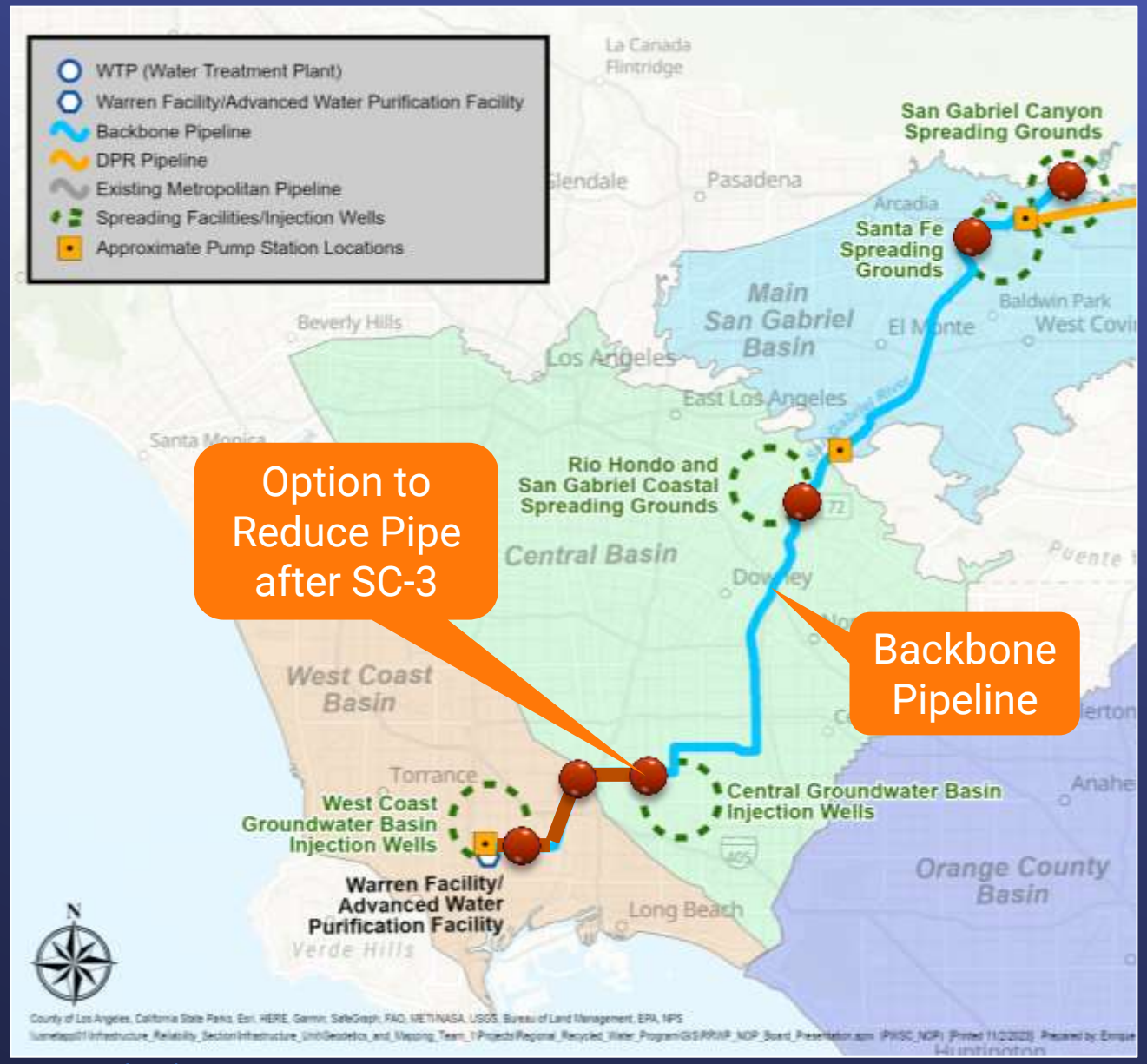
Regulatory Coordination

- Continued coordination with California Division of Drinking Water (DDW) and Regional Water Quality Control Board (RWQCB)
- Launched quarterly regulator meetings on April 30 to further regulatory dialogue and compliance oversight
- Held Independent Scientific Advisory Panel (ISAP) Workshop #9 on July 2, 2025
  - Sharing recent testing results & plans for next phase of testing
  - Reviewing DPR Pilot facility design

Regulator Meeting, April 30, 2025

Assessment of Backbone Pipeline Size Reduction

- Current Concept
  - 84-inch diameter
  - 150-mgd capacity
- Reduction Option
  - Reduce to 72-inch after Long Beach Service Connection (SC-3)
  - 120-mgd capacity to match downstream demands



Assessment of Backbone Pipeline Size Reduction

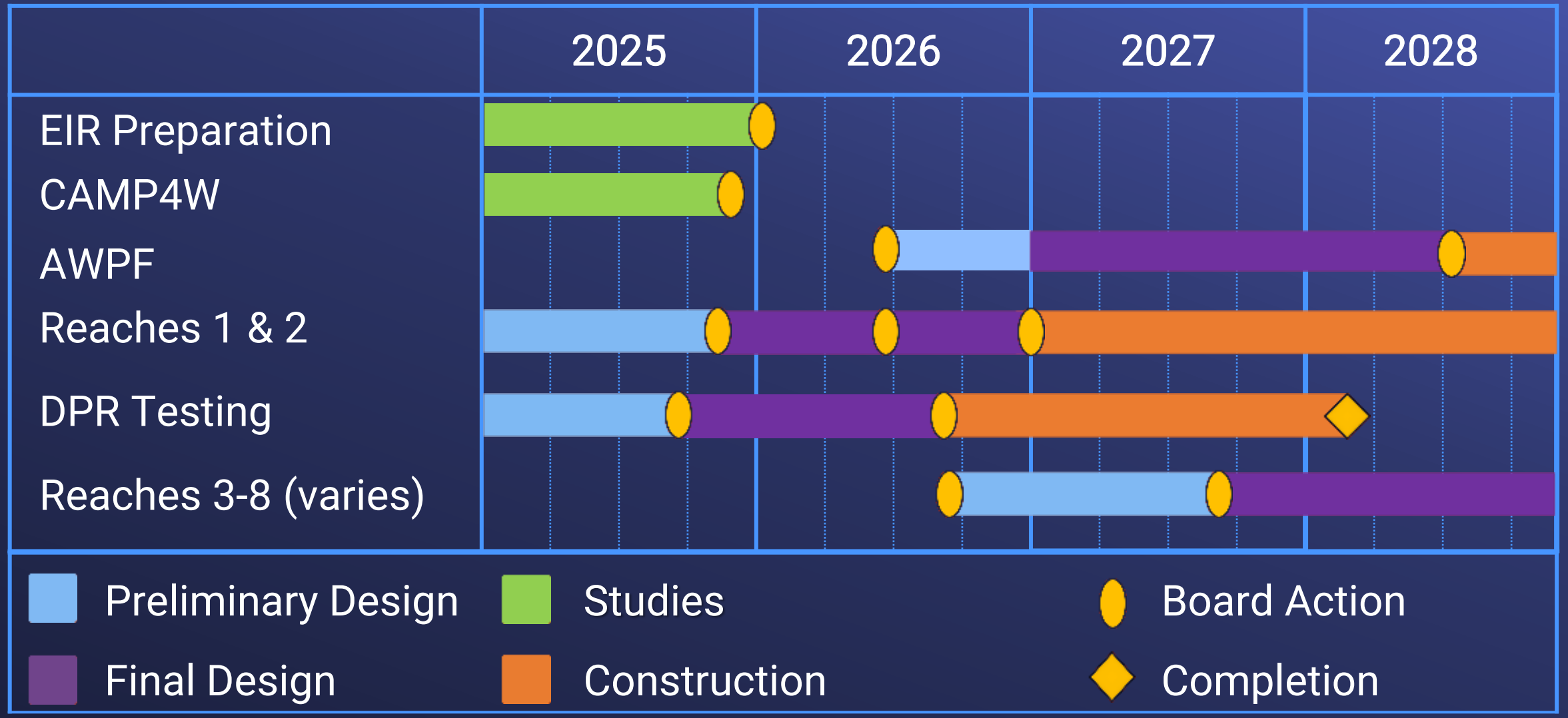
Current Concept: Maintain 150-mgd capacity (84-inch diameter)

Advantages	Disadvantages
• More operational flexibility • Lower lifecycle cost (-$200 M) • Lower energy cost (-$5 M/yr)	• Higher capital cost (+$100 M)

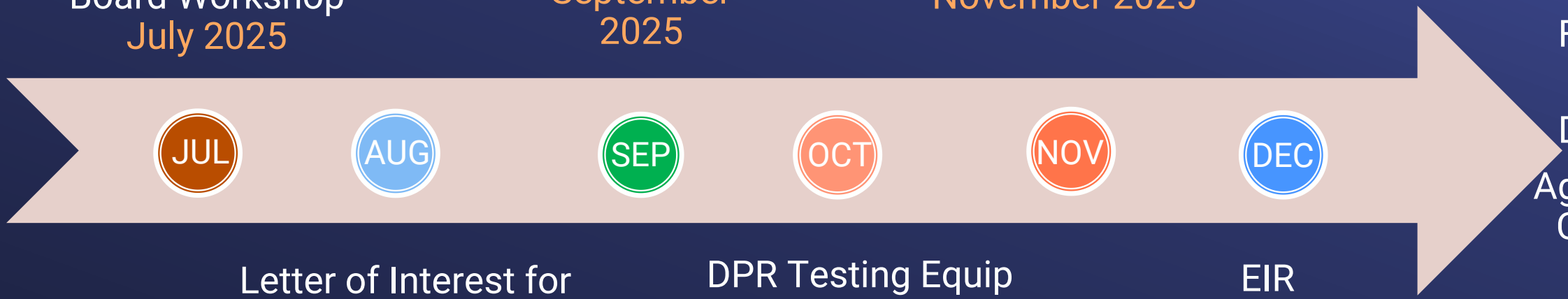
Reduction Option: Reduce capacity to 72-inch diameter after SC-3

Advantages	Disadvantages
• Less operational flexibility • Lower capital cost (-$100 M)	• Higher lifecycle cost (+$200 M) • Higher energy cost (+$5 M/yr)

Near-Term Program Schedule



Next Steps to Prepare for Board Decisions



CAMP4W Initial Assessment

Term Sheets & Community Benefits

Board Workshop
July 2025

Updated Term Sheets Based Upon MA/Board Feedback for Board Consideration

September 2025

CAMP4W Final Assessment

RFQs for AWPF PDB & R1/R2 CMGC(s)

November 2025

Final EIR/ Program Decision/ Agreements/ Contracts

Early 2026

Letter of Interest for WIFIA

August 2025

DPR Testing Equip Procurement

Program Cost & Schedule Update Board Workshop

October 2025

EIR Comments Addressed

December 2025


THE METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA
1928