



Subcommittee on Pure Water Southern California  
and Regional Conveyance

# Pure Water Southern California Quarterly Report

Item 3a  
June 27, 2023

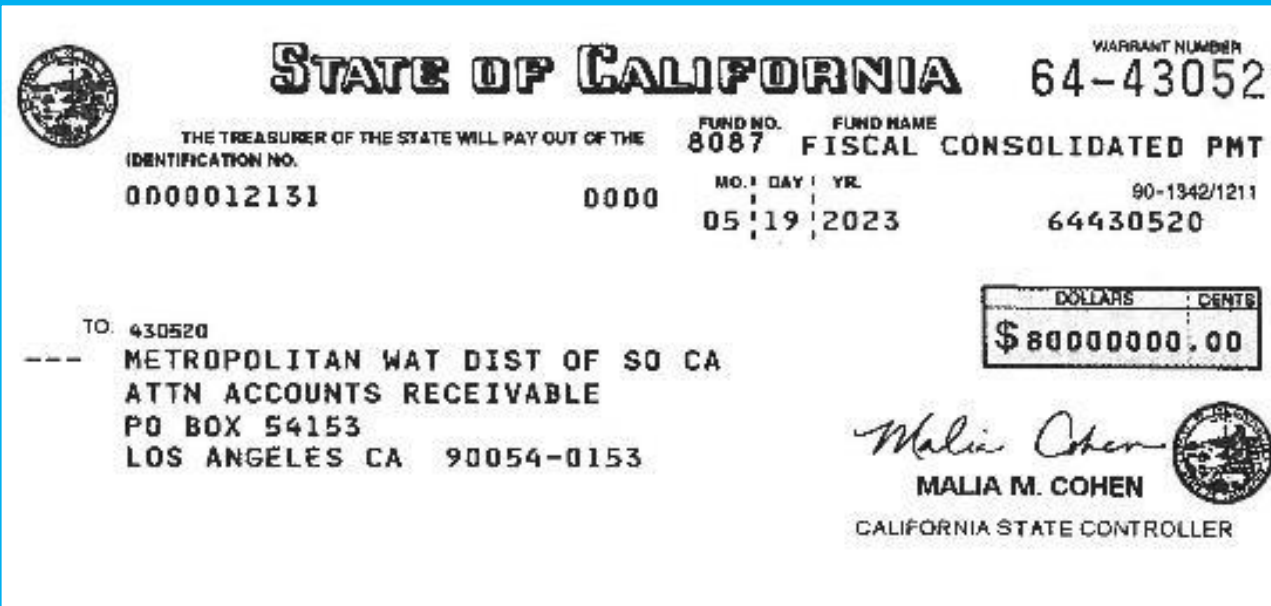
Pure Water  
Southern California  
Program Outline



- Program Funding
- Recent Project Team Activities
- Agency Collaboration/Reuse Collaborative
- Demonstration Plant & Regulatory Activities
- Outreach and Sustainability Activities
- Environmental Planning Activities
- Schedule
- Next Steps

Pure Water  
Southern California  
Program Funding

- Received \$80M State funds on May 24, 2023
- Funds allow for commencement of work authorized by Board in December 2022
- USBR Title XVI WaterSMART grant
- LSWR Infrastructure grant



**STATE OF CALIFORNIA** WARRANT NUMBER 64-430520

THE TREASURER OF THE STATE WILL PAY OUT OF THE FUND NO. 8087 FUND NAME FISCAL CONSOLIDATED PMT

IDENTIFICATION NO. 0000012131 0000 MO. DAY YR. 05 19 2023 90-1342/1211 64430520

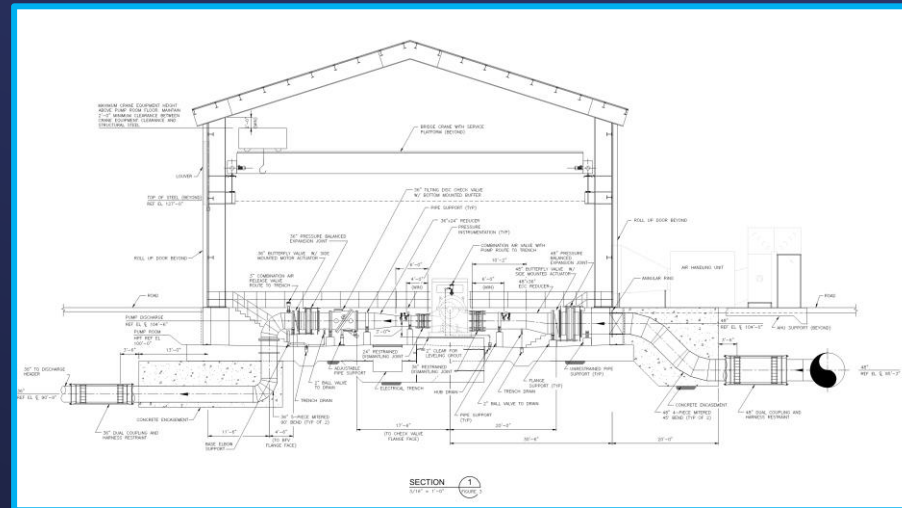
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PO BOX 54153  
LOS ANGELES CA 90054-0153

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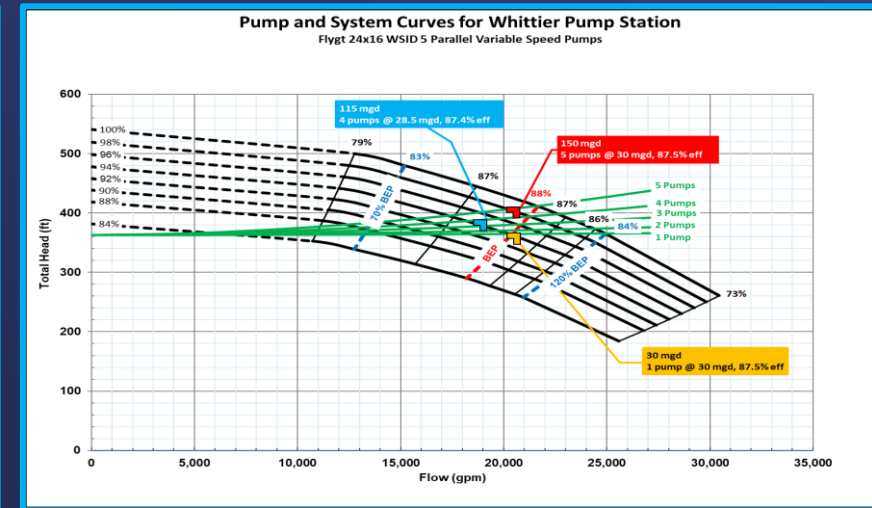
*Malia Cohen*  
MALIA M. COHEN  
CALIFORNIA STATE CONTROLLER

Pure Water  
Southern California  
Recent Program Team  
Activities

- Coordinating with SCE on power supply, right-of-way and facility co-location
- Confirming pipeline alignment with cities and agencies
- Investigating pumping requirements/standards
- On-boarding consultant support
- Planning for DPR investigations and testing
- Continued discussions of agency contributions



Typical Cross Section of Pump Station



Examples of Pumping Curves

# Pure Water Southern California Agency Coordination

- LACSD
- LADWP/Operation NEXT
- USACE
- SCE
- Cities, agencies and businesses along the backbone pipeline alignment
- Water Reuse Collaborative



Program Partners

# Pure Water Southern California Water Reuse Collaborative

## Purpose

We believe that working together will help us construct a more sustainable, equitable and resilient future for our region.

- Collaborating to support:
  - Interagency coordination and support
  - Regional water supply resilience
  - Maximizing regional benefits of multiple programs
  - Water affordability goals
  - Increasing access to outside funding
  - Environmental and water quality objectives
  - Workforce development



Reuse Collaborative  
Initial Meeting  
September 19, 2022

Pure Water  
Southern California  
Demo Plant &  
Regulatory  
Activities



Replacement of membranes

- Tertiary MBR testing is complete, and the Summary Report is being finalized
- Finishing sMBR demo plant testing in July
- Planning for tMBR optimization phase testing
- Developing the DPR pilot testing plan with design to start in the Fall
- Draft DPR Regulations expected this Summer
- Coordinate DPR comments with partners

Pure Water  
Southern  
California  
Public  
Outreach  
Activities



Tours

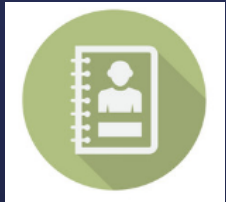
Briefings/  
Presentations

Community  
Events

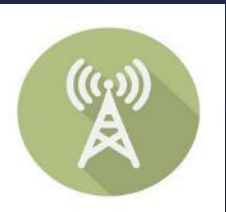


# Pure Water Southern California Environmental Planning Activities

- Continuing preparation of technical studies and EIR sections
- Coordinating AQ/GHG and Health Risk Assessments with LACSD
- Tribal Cultural resource consultations
- Identifying community benefits and mitigation measures
- Finalizing objectives and developing alternatives



Notice of  
Preparation  
Completed 9/22



Public Meetings  
Completed 10/22

## PEIR/EIR

Draft EIR  
**1<sup>st</sup> Quarter 2024**

Comment Period  
**2<sup>nd</sup> Quarter 2024**

Final EIR/Board  
Certification  
**Fall 2024**



Pure Water  
Southern  
California  
General  
Alternative  
Requirements

- EIRs must present alternatives necessary to permit a reasoned choice (not every possible option)
- Alternatives must:
  - Feasibly attain most of the basic objectives of the project
  - Avoid or substantially lessen any of the significant effects of the project
  - Include a “No Project” alternative

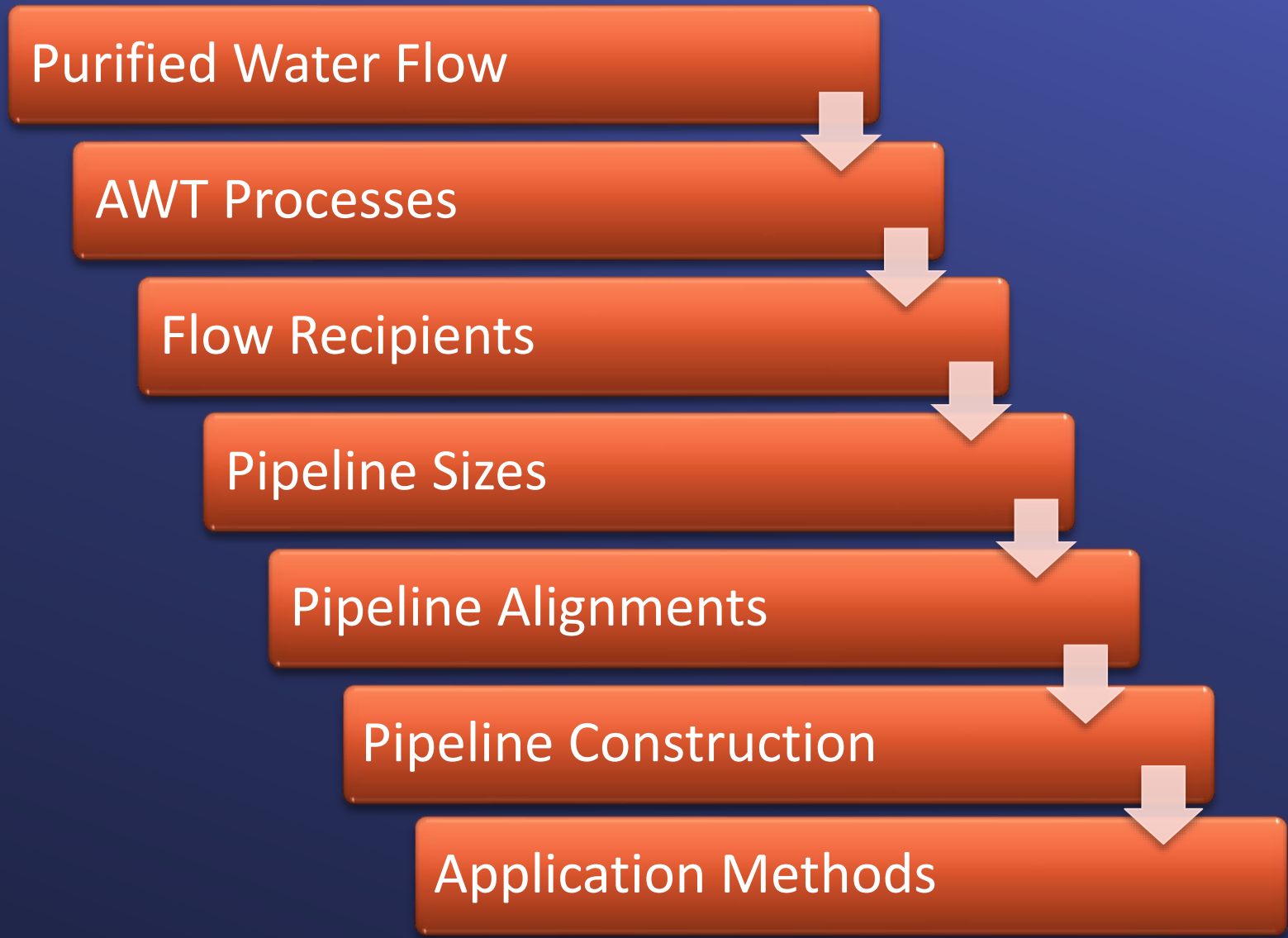
Pure Water  
Southern  
California  
Summary of  
Project  
Objectives

- Help meet regional water supply demands
- Create a new, reliable, cost-effective local water source
- Diversify water supply portfolio and increase regional operational flexibility
- Reduce reliance on imported water
- Contribute to local groundwater basins
- Maximize beneficial reuse of wastewater
- Improve coordination and future integration with other water supply and distribution systems

Pure Water  
Southern  
California  
PEIR/EIR  
Alternatives  
Identification  
Process

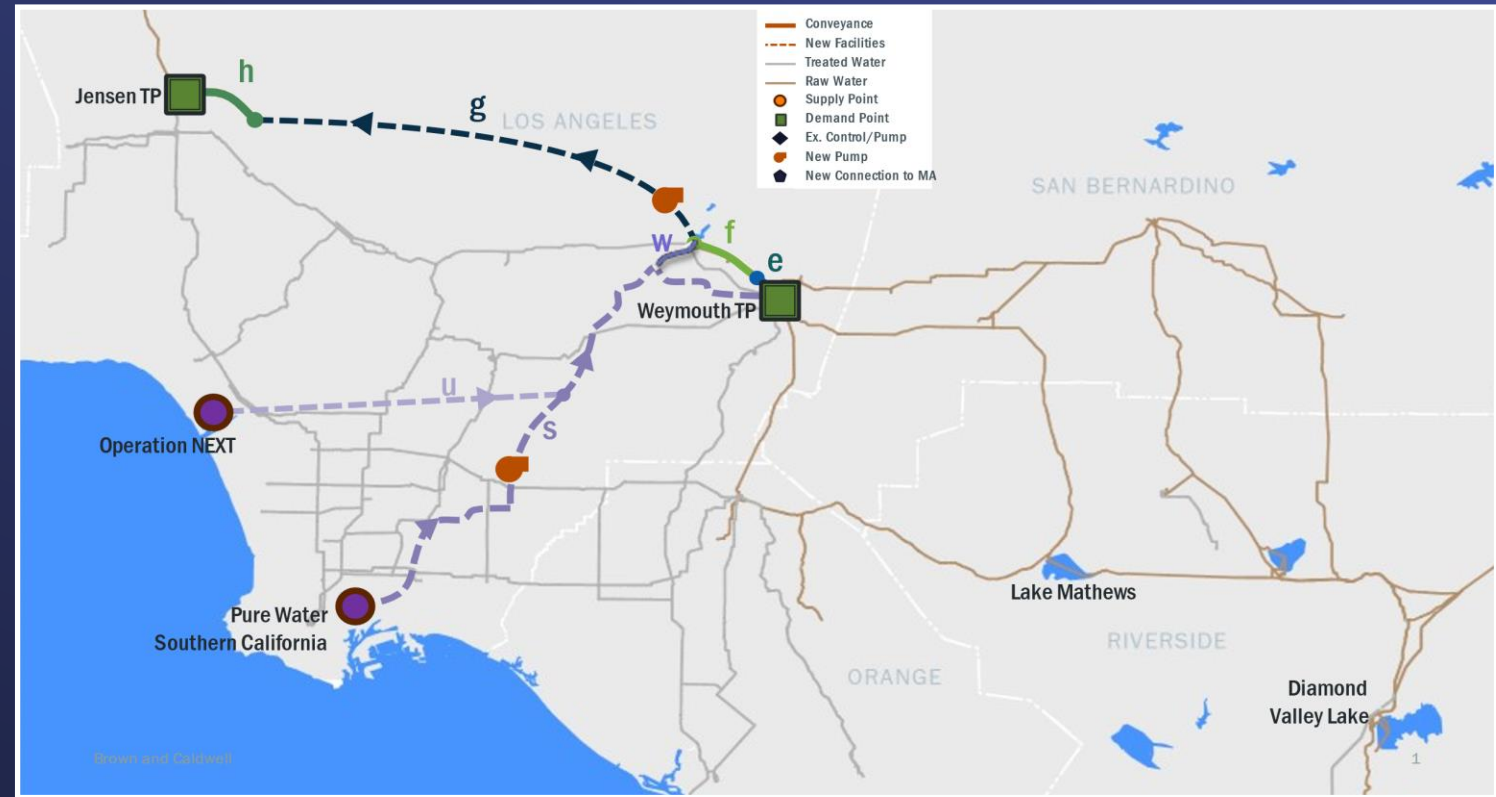
- Identify various project components
- Develop a range of options for those components
- Screen out components or options that are not feasible (Alternatives Considered but Rejected)
- Develop a combination of components/options to form alternatives to include in the EIR

Pure Water  
Southern  
California  
PEIR/EIR  
Alternatives  
Development



Pure Water  
Southern  
California  
Opportunities for  
Future  
Integration

- Operation NEXT
- East/West Conveyance
- Additional projects/programs



Potential Future Integration of Reuse Programs  
with Drought Mitigation Projects

# Phase 1 - Program Schedule



Environmental  
Planning

**IN PROGRESS**



Early Delivery  
Projects

**IN PROGRESS**



Design and  
Construction

**FUTURE**



Start-up and  
Operations

**FUTURE**

Pure Water  
Southern California  
Next Steps

- Begin pipeline preliminary design
- Submit 'Method of Service' application to SCE
- Prepare sequencing and implementation schedule
- Continue outreach & prepare draft PEIR
- Implement nitrogen management/tMBR optimization at demo plant
- Discuss potential for treated water augmentation



