



Subcommittee on Pure Water Southern California
and Regional Conveyance

Pure Water Southern California Program Quarterly Update and 2023 Cost Estimate Details

Item 3a

January 23, 2024

Item 3a PWSC Quarterly Update

Subject

Pure Water Southern California Quarterly Program Update

Purpose

To provide an update on the PWSC recent program efforts, provide cost estimate back-up information, update status of LSWRP Grant Program and Feasibility Study, public outreach support and upcoming MetWorks Industry Day

Next Steps

Continue Environmental Phase planning efforts and Program work associated with the State funds

Item 3a
PWSC
Quarterly
Update

Agenda

- Summary of completed and ongoing work
- Cost Estimate Methodology memorandum
- Large Scale Water Recycling (LSWR) Grant
- Public Outreach Support
- MetWorks Industry Outreach Event



Program Implementation: Use of State Funds

Item 3a PWSC Quarterly Update

- Program Management efforts include:
 - Sequencing/implementation methodology
 - AWT Request for Qualifications development
 - LSWR Grant request development
- Preliminary Design of pipeline Reaches 1 & 2
- Demo plant tMBR optimization plan and testing
- Sustainability (Envision) approach & training
- Cost estimate details memo
- Public Outreach

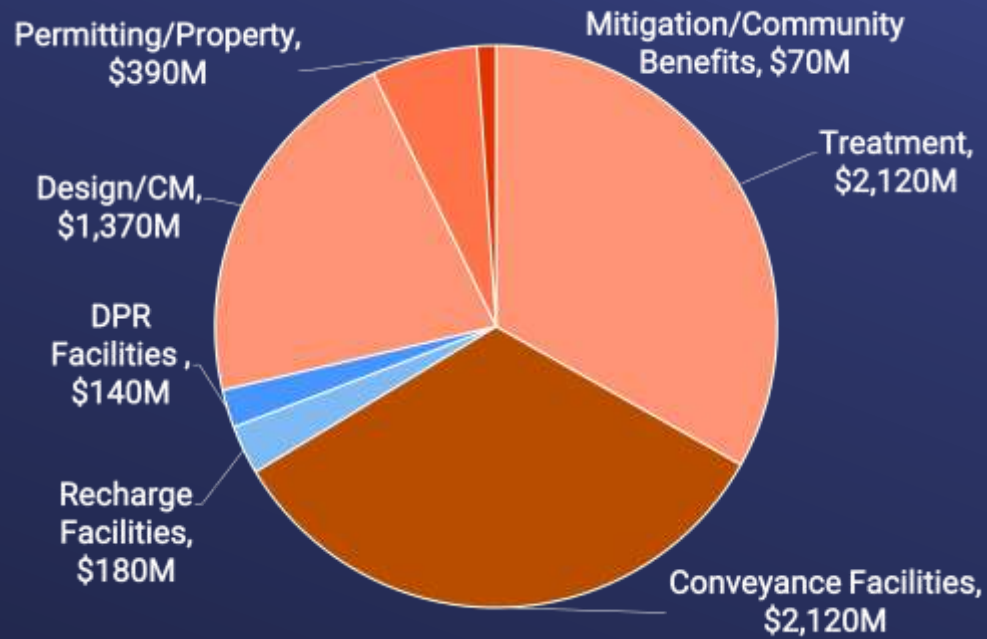


Current Expenditures and Budget Status

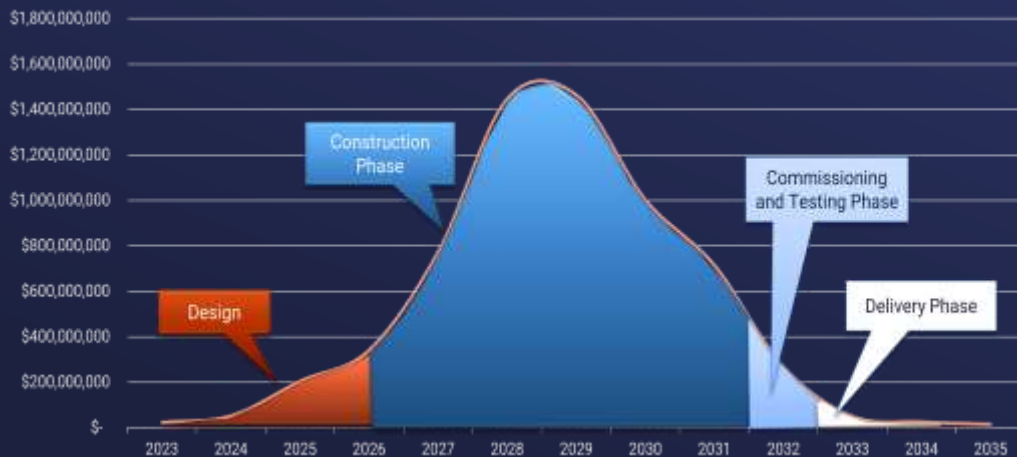
- All expenditures to date are O&M
- Environmental Planning phase work is to be complete by 3rd quarter 2025
- Budgets do not currently assume any federal grant funding

Budget Status	Environmental Planning Phase Funds	Project Implementation State Funds
Total Budgeted Funds	\$30M	\$80M
Expenditures to Date (12/23)	\$20.6M	\$5.2M
Total Third Party Commitments	\$16.4M	N.A.
Third Party Contributions Invoiced to date	\$5.3M	N.A.


Cost Estimate Methodology Memorandum



- Memorandum is included in the Subcommittee packet
 - Response to November questions
 - Subcommittee request for back-up cost information
- Cost memo information includes:
 - Methodology/Approach
 - Cost Estimates
 - Appendices with supporting detailed cost development information



USBR Large Scale Water Recycling Grant Program



PURE WATER
SOUTHERN CALIFORNIA

U.S. Department of Interior, Bureau of Reclamation
WaterSMART Large-Scale Water Recycling
Projects for Fiscal Years 2023 and 2024,
FOA BOR-R23AS00433

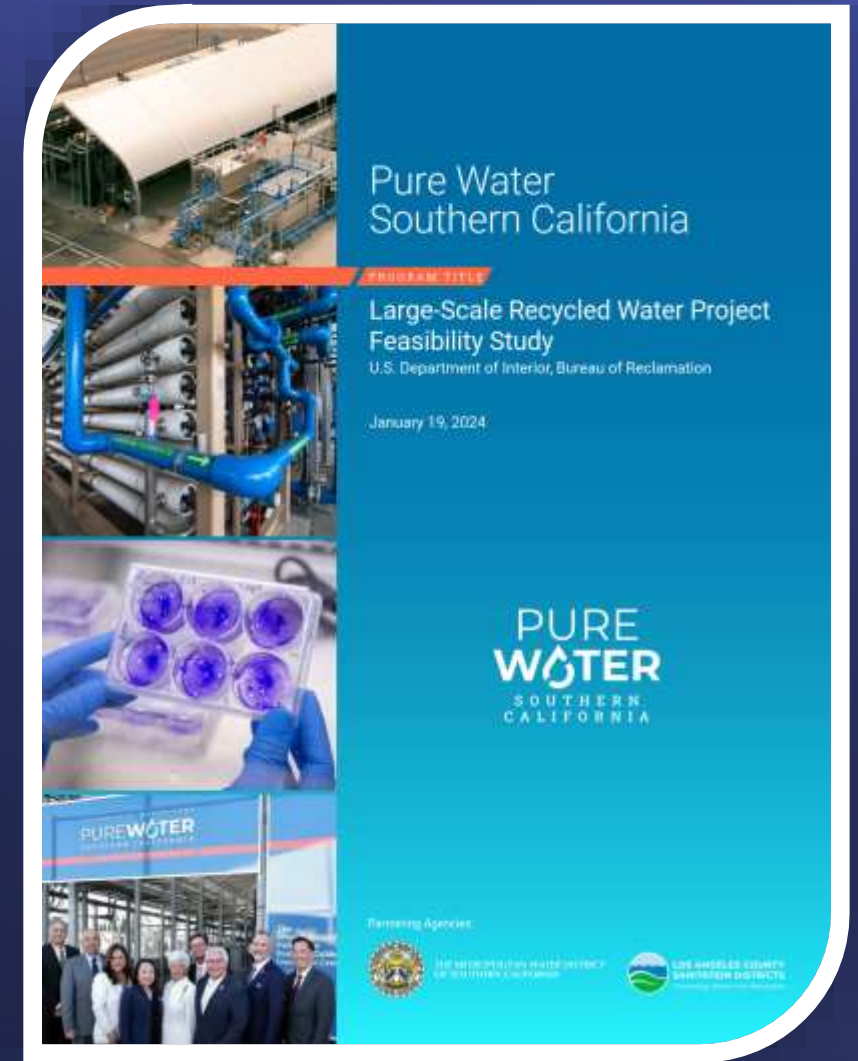
PROJECT TITLE
Pure Water
Southern California
Grant Proposal | November 21, 2023

Partnering Agencies:
THE ANTIPODESAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
LOS ANGELES COUNTY
SANITATION DISTRICTS
Celebrating 100 Years of Progress

- Key LSWR Program Dates:
 - Grant application: November 21, 2023
 - Feasibility Study: January 19, 2024
 - Cost eligibility based on approval of Feasibility Study
- LSWR Total Program Authorization
 - FY 22-26 Funding: \$450M
 - FY 23/24 Funding: \$180M (initial issuance)
- Application submitted November 20, 2023
 - Requested \$125M
 - Funds for work planned April 2024 through November 2026
 - Non-federal cost share required

LSWR Grant – Feasibility Study Project Definition

- Feasibility Study presents PWSC and includes:
 - Technical Proposal/Evaluation Criteria
 - Project Budget & Narrative
 - Environmental/Cultural Resources
 - Permits and Approvals
- Eligible costs for federal funding include collection/treatment/distribution
- PWSC Phase 1 Project Cost: \$6.17B
- 47 Letters of Support
- Authorizing Resolution and Letter of Funding Commitment upon award

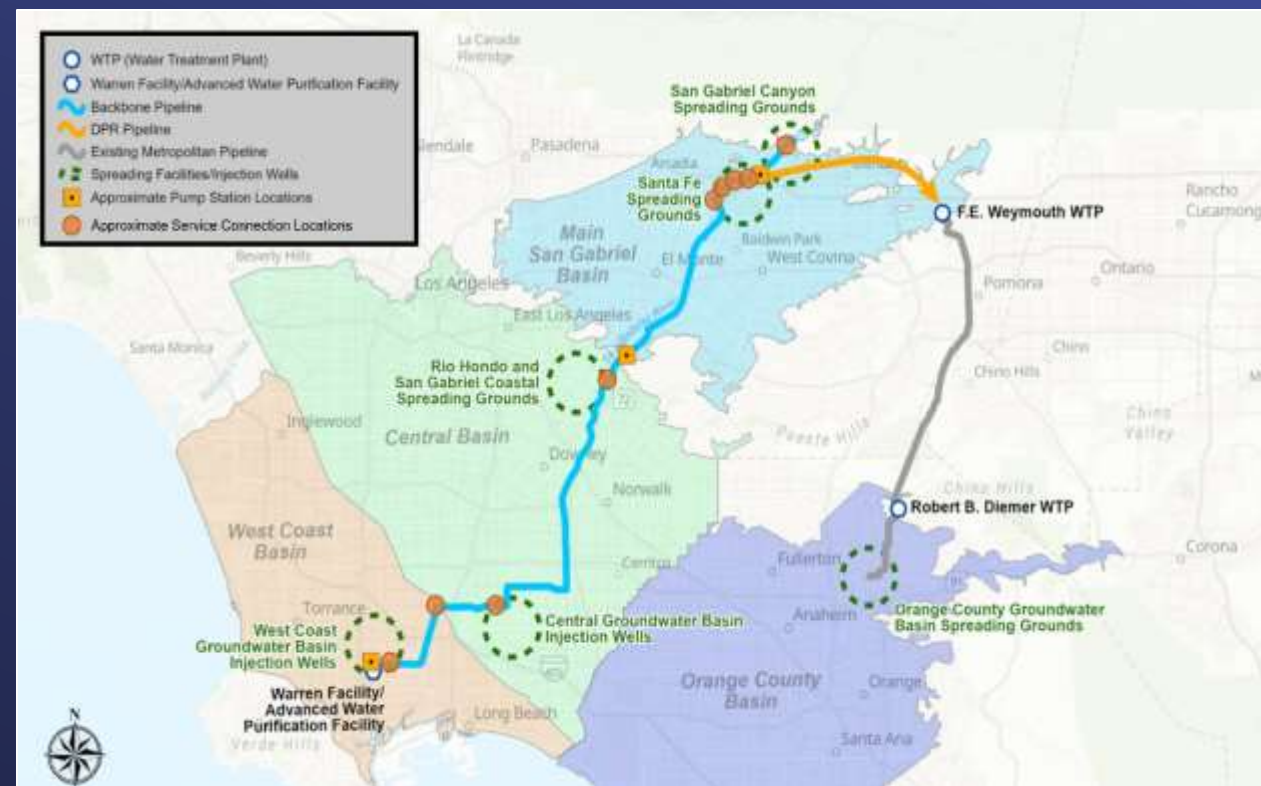


LSWR Grant – PWSC Project Definition

Sequencing Plan

Milestone	Date
Initiate Preliminary Design Phase	July 2023
Authorize AWPf PDB contract	End of 2024
Publish Draft EIR	End of 2024
Approve Final EIR	Fall 2025
Complete R1 and R2 Final Designs	End of 2025
Start Phase 1 Construction	Spring 2026
Start Testing and Commissioning	1 st Quarter 2032
NPR/IPR Water Delivery	End of 2032
DPR Water Delivery	TBD

Anticipated Facilities



LSWR Grant - Proposed Scope of Work

A.K. Warren Facility- Sidestream Centrate

- 70%, 90% and 100% design, Bid documents

A.K. Warren Facility- Site Preparation

- 30% design

AWPF Process Design

- Progressive Design-Build procurement
- 60% design and guaranteed maximum price negotiation

Public Engagement & Interagency Coordination

- On-going public engagement activities including educational content, partner mtgs

Conveyance and Ancillary Facility

- 100% design (Reaches 1 & 2)
- 60% design (Reaches 3-8)
- 30% design (Azusa Pipeline)
- 50%/100% design (Recharge Facilities)

Environmental & Permitting

- CEQA/NEPA documentation
- Permitting plan and initiate permitting
- Engineers Report (Indirect Potable Reuse Regulatory Approve)

Direct Potable Reuse/Reverse Osmosis Concentrate Pilot Testing

- Pilot testing and DPR treatment train
- Bench-scale ROC testing

Other

- Program management activities
- Property acquisition
- Easements / Right of Ways / Surveys

LSWR Grant: Anticipated Expenditures

Spending Year	Target Eligible Spending
2024	\$30,000,000
2025	\$200,000,000
2026	\$270,000,000
TOTAL GRANT	\$500,000,000

- Estimated PWSC Project expenditures from April 2024 through November 2026
 - No construction costs
 - Agency staff and consultant time
- Anticipated notification in February-April 2024
- Approved Feasibility Study required for reimbursement
- This schedule and level of spending is required to meet the 2032 completion milestone

LSWR Grant: Ask and Match Considerations

Activities	Total	25% Federal	75% Non-federal
Total LSWR Grant Request	\$500,000,000	\$125,000,000	\$375,000,000
Available Matching Funds (State Grant)			\$68,000,000
Non-Fed Match Component			\$307,000,000

- Funding awarded by Reclamation may be different from the ask
- Three agencies known to have applied for LSWR grant funding
- Scope of work would be modified to match award amount
- Funding can also be requested during next 2 application periods
- Matching funds by Metropolitan, Sanitation Districts, other funding

PWSC Quarterly Update



Program Outreach Events & Tours

- Continued Napolitano Innovation Center tours
- Continued Stakeholder Outreach/Engagement
- Public Opinion Research on Direct Potable Reuse
- Community Benefits Research and Development
- Discussing EIR outreach plan

PWSC Industry Outreach & Collaboration



Carson Events Center

Industry Outreach Activities

- WaterReuse & WEFTEC Symposium presentations
- MetWorks Pure Water Networking Event
 - March 7, 2024
 - RFQ 1365 – AWPf PDB
 - Other upcoming PWSC projects will also be discussed

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
presents
METWORKS
PURE WATER SOUTHERN CALIFORNIA
NETWORKING EVENT

**THURSDAY
MARCH 7, 2024**
8:00 a.m. - 12:00 p.m.

CARSON EVENT CENTER
801 E. Carson Street
Carson, CA 90745

Learn about:

- The status, scope, and schedule for a Progressive Design-Build contract opportunity for the Pure Water Southern California Program's Advanced Water Purification Facility (AWPF) RFQ
- How prime contractors and consultants build their project teams

Total value of new treatment facility is approximately \$2B, with multiple contract awards expected.
Additional program information can be found at: www.mwdofso.com/purewater

Small Business and Disabled Veteran Business Participation Requirement: minimum 25%
This project will be subject to the requirements of a Project Labor Agreement

Tentative Schedule:

- Spring 2024: issue RFQ
- End 2024: award contract
- 2030: deliver 30 MGD
- 2032: deliver 115 MGD

 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

 LOS ANGELES COUNTY SANITATION DISTRICTS
Converting Waste into Resources

REGISTER
Click here:
<https://www.constructionpages.com/req/c7e2d1a105b4f762-e920-4aed-9c25-e869c371143a>
or scan QR Code to register for event.

RFQ
Scan QR Code for more information on
METWORKS

