



Construction Network

Metropolitan Water District – Pure Water Southern California

Bruce Chalmers – PWSC Program Manager

February 27, 2024

PUREWATER
SOUTHERN CALIFORNIA

Agenda

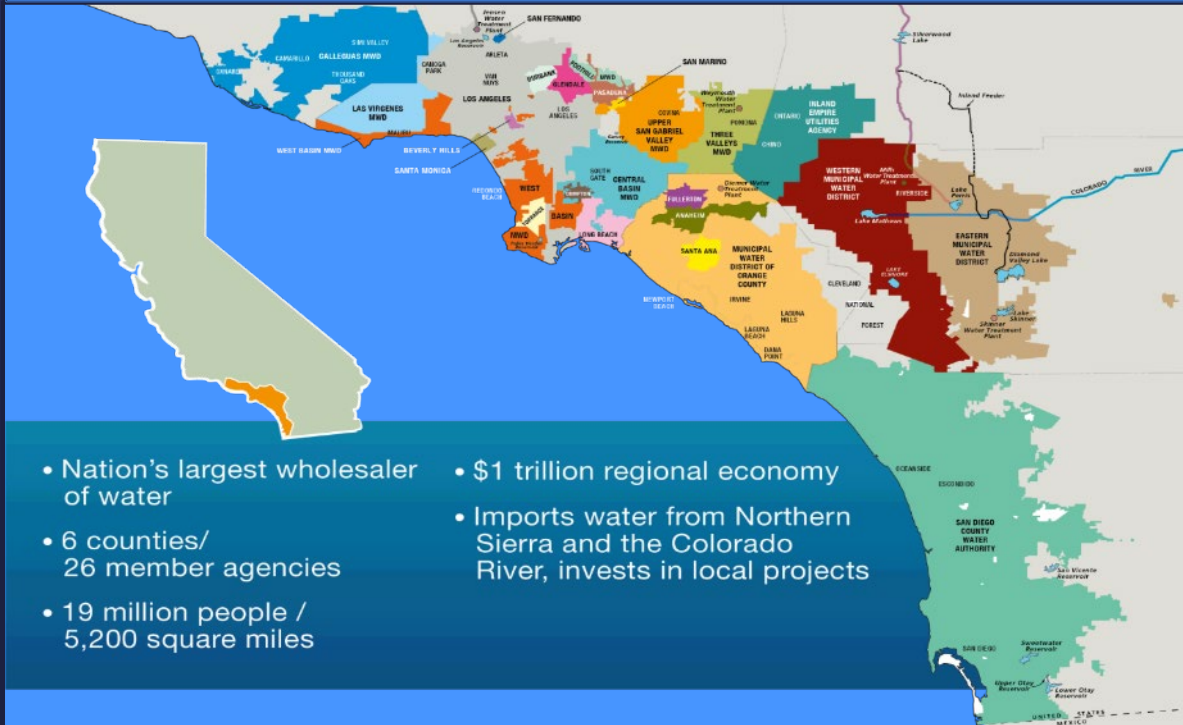
- Program Background
- Partners and Benefits
- Costs and Near-Term Expenditures
- Potential Upcoming Contracts
- Schedule
- Additional Information



Agency Sponsors



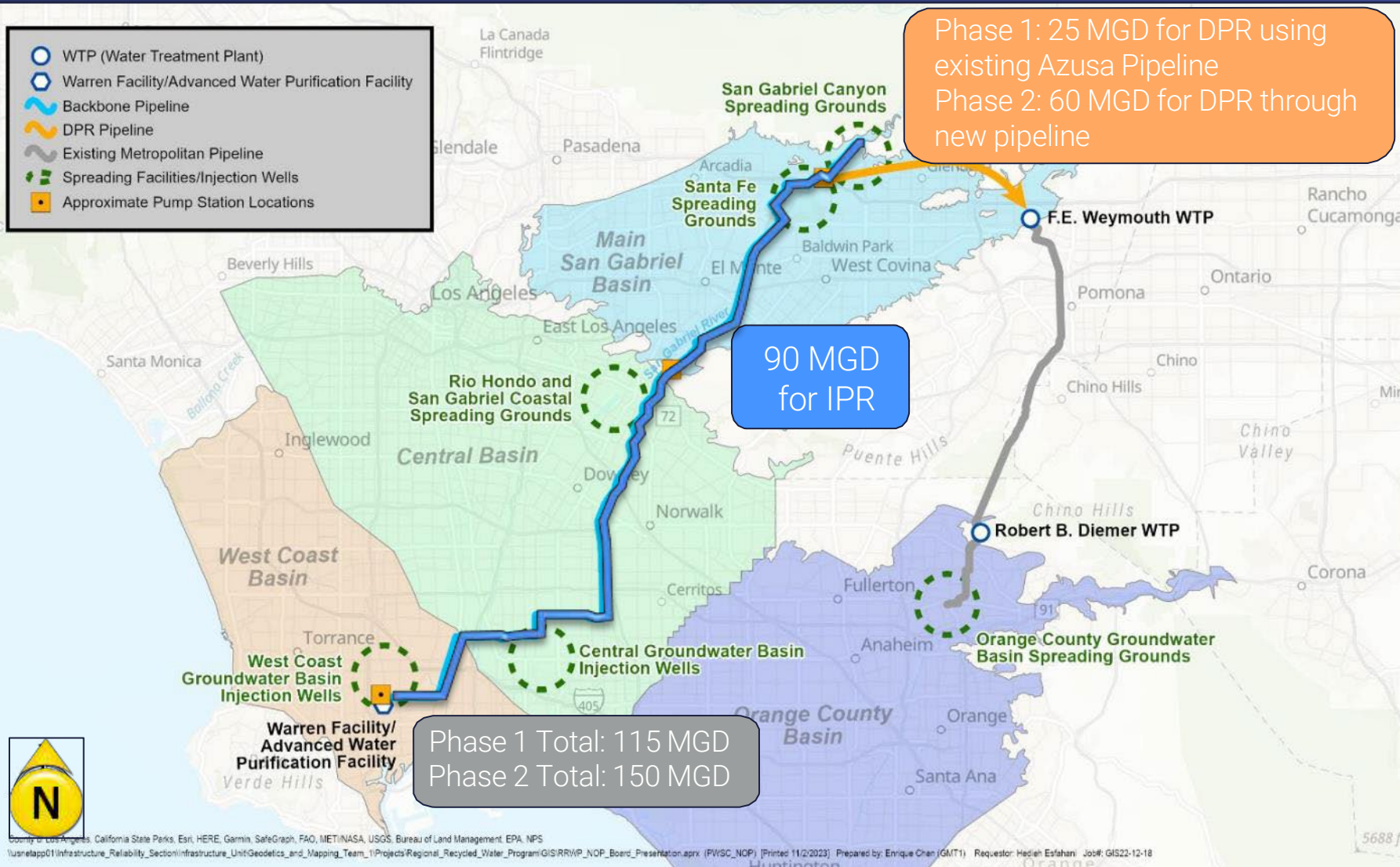
Metropolitan Water District of Southern California



Los Angeles County Sanitation Districts



Program Overview – Phases 1 & 2



- Modifications to Joint Water Pollution Control Plant
- Advanced Water Purification facility
- Conveyance pipelines
- Spreading facilities
- Injection wells





THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Program Partners



LOS ANGELES COUNTY
SANITATION DISTRICTS
Converting Waste Into Resources

Metropolitan Member Agencies



Groundwater Basin Managers



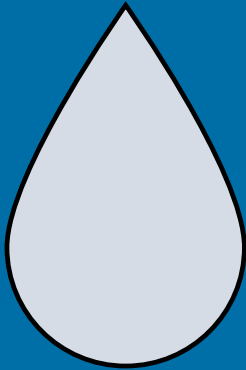
Colorado River Partners



Other Key Partners



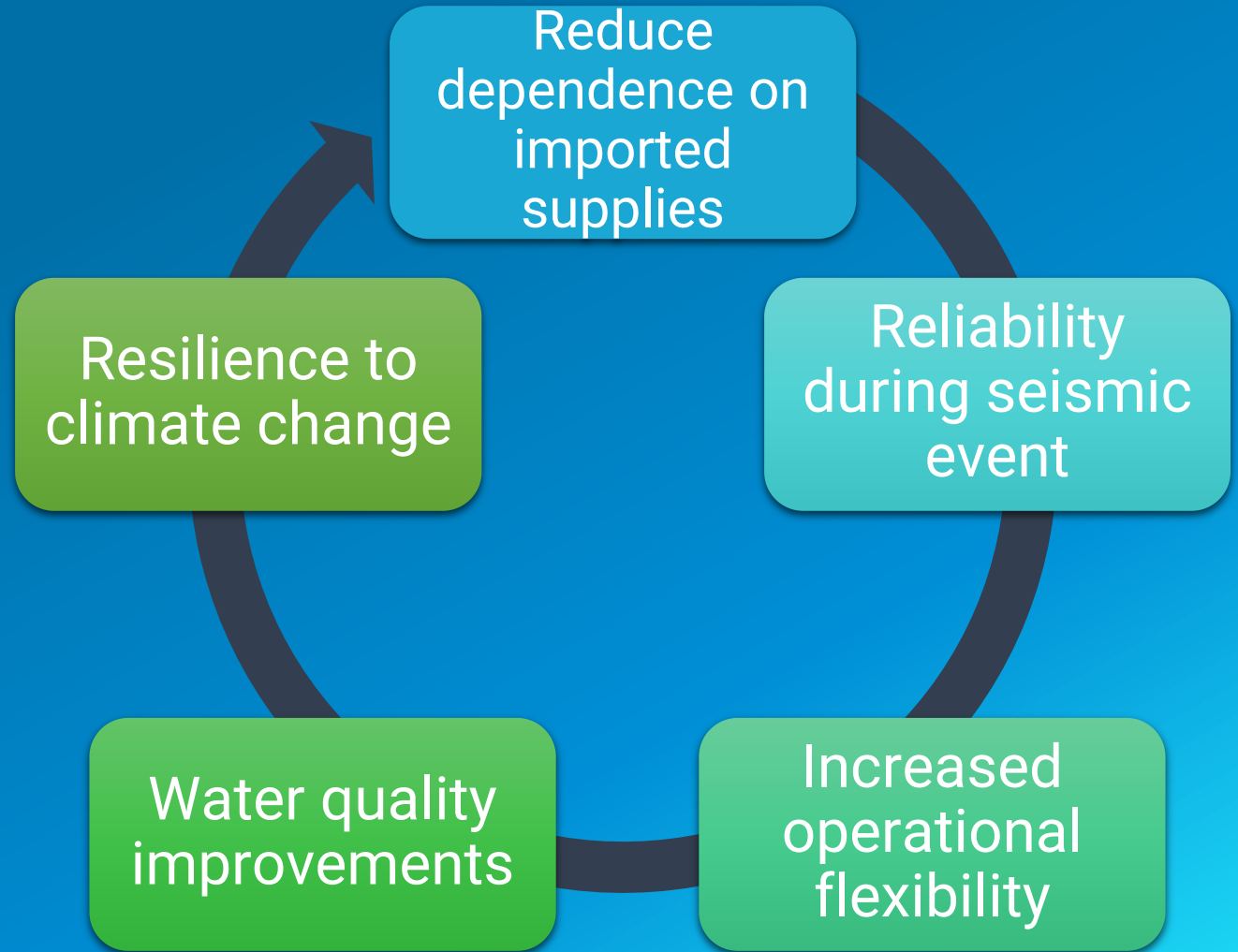
Program Benefits



Produces Up to 150 million gallons per day

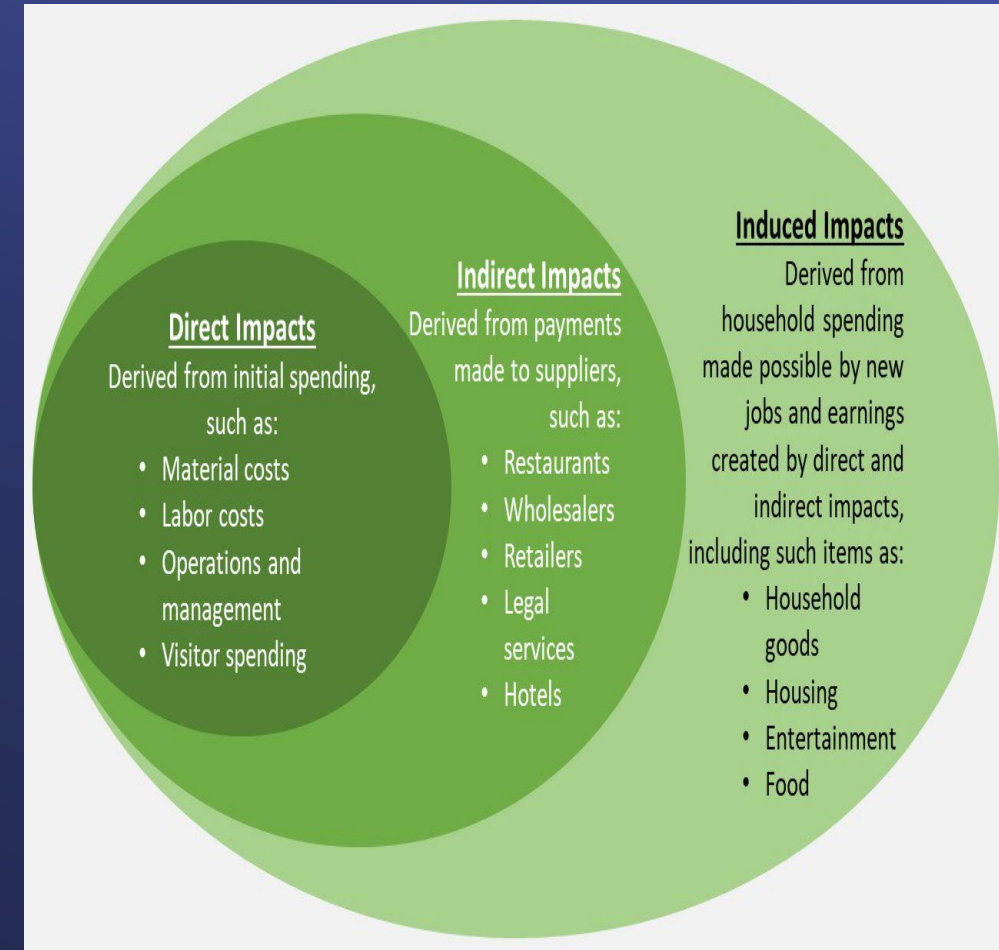


Enough water for about 1.5 million people



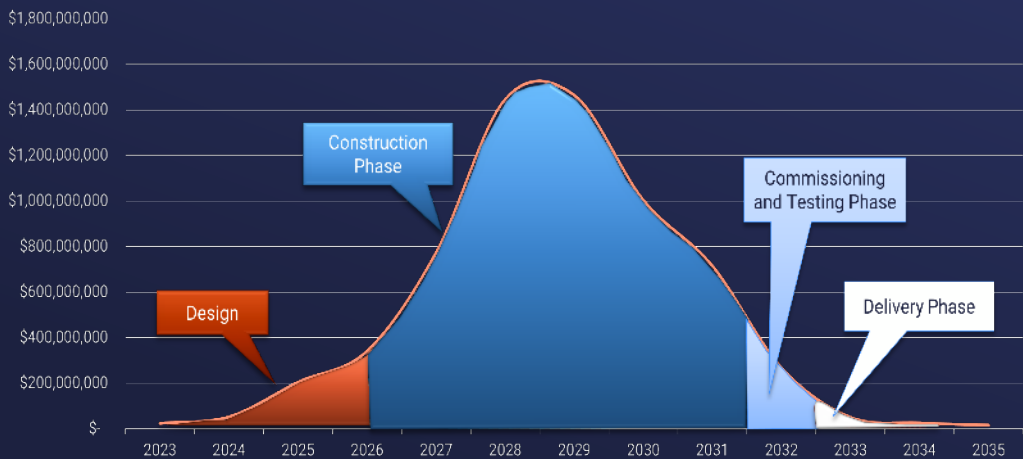
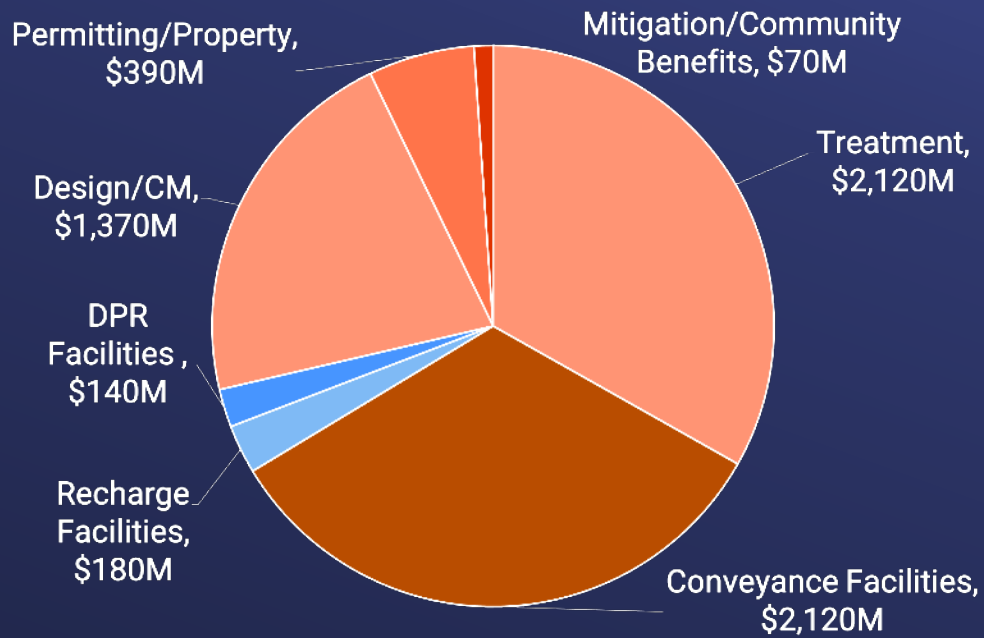
Economic Output from Program

- Los Angeles Economic Development Council job creation report
- \$8.7B total economic output created
- 47,000 development related jobs
- 24,100 construction jobs in So. Calif.
- \$400M+ State and Local taxes generated
- Ongoing economic activity in So. California
- \$300M+ annual economic output
- Over 1,000 total jobs supported



LAEDC Institute for Applied Economics

Cost Estimates (2023)



Description	Cost (\$M) ¹
Treatment Facilities	\$2,120
Conveyance Facilities	\$2,120
Recharge Facilities	\$180
DPR Facilities to Weymouth	\$140
Subtotal	\$4,560
Design/CM	\$1,370
Property/Permitting	\$390
Mitigation Measures/Community Benefits	\$70
Total	\$6,390

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
- Planning and design only
- Construction would be added
- This schedule and level of spending is required to meet the 2032 completion milestone
- Construction to begin in 2026

Proposed Scope of Work through 2026

A.K. Warren Facility- Sidestream Concentrate

- 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

Potential Contracts

- Metropolitan, LACSD, Member Agencies, other agencies
- Conventional DBB & Collaborative delivery methods
- Other Metropolitan consulting (public outreach, CEQA, etc.)
- All projects under PLA
- Training opportunities
- Design and Construction
 - Advanced Water Treatment Plant at the Warren Facility
 - Pipelines/tunneling/recharge facilities
 - Pump Stations
 - DPR treatment at Weymouth

Types of Program Needs

- Consultants & contractors
- Civil/sitework, landscaping/hardscape, security
- Piping/pumps/appurtenances
- Process systems (membranes, disinfection, chemicals, air, mixing, etc.)
- Buildings (admin, warehouse, lab, process, etc.)
- Electrical, instrumentation/SCADA, HVAC, lighting
- Painting, coatings/linings
- Community/business outreach
- Education/training
- Property acquisition
- Operators, maintenance, technicians

AWT Request for Qualifications

- AWT to be located at the Warren Facility in Carson
- Alternative Delivery implementation using Progressive Design Build
- Potential MBR and AWT contracts (TBD)
- RFQs to advertise in 2nd or 3rd quarter 2024
- Total value approximately \$2B
- Online by 2032



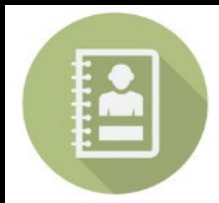
Environmental Planning Activities

- Project and Program Level analysis
- PEIR/EIR revised schedule
 - 12 months added
 - Flow changes Phase 1
 - 115 MGD
 - DPR 25 MGD
- Pipeline sizing and alignment modifications
- Revisions to technical studies and surveys

Notice of Preparation

Distributed September 30, 2022


COMPLETED



Scoping Phase

Occurred between September 30, 2022, to November 14, 2022


COMPLETED



PEIR/EIR

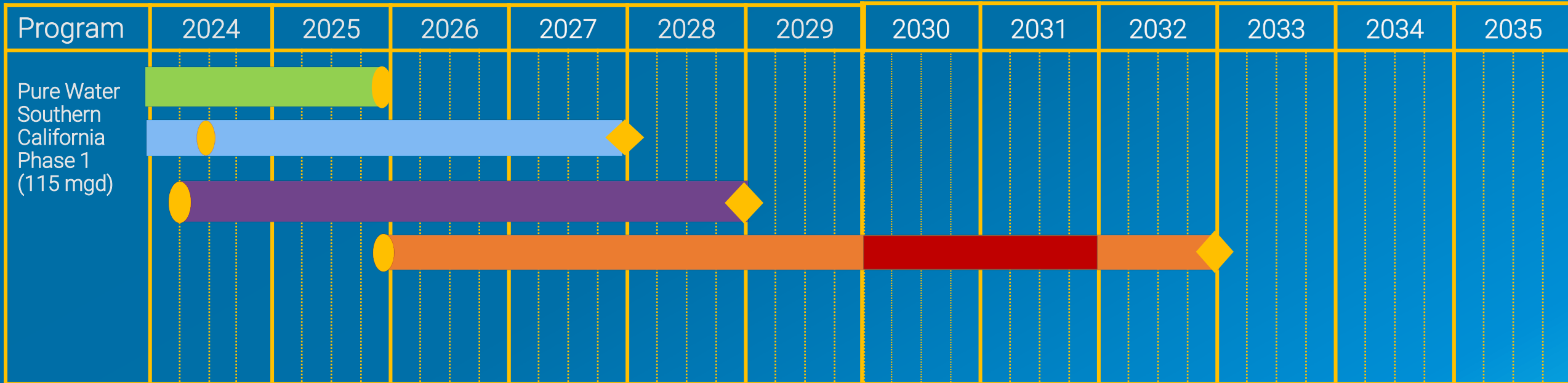
Draft Environmental Impact Report
4th Quarter 2024

Final Environmental Impact Report
4th Quarter 2025



→ **Technical Studies continuing** →

Program Schedule



- Environmental Planning Phase
- Early Program Activities/Preliminary Design
- Final Design
- Construction

- Board Action
- Completion
- Initial Water Deliveries

Online Project Information

- Board and Committee meetings
- Letters of Interest (LOIs)
- AWT Pilot Study (2012)
- Feasibility Study Report (2016)
- Conceptual Planning Study (2019)
- White Paper #1 (2019)
- White Paper #2 (2020)
- Backbone conveyance system (2020)
- Independent Scientific Advisory Reports
- Economic Impact Study (2021)

[MWD | Pure Water Southern California \(mwdh2o.com\)](http://mwdh2o.com)



Small Business Program

Rick Duarte Construction & Engineering Sustainability-
Business Outreach Program Manager

METWORKS

Metropolitan Business Outreach Program

- Established in 2001 - By Board of Directors
- SBE Goal set at 25%
 - For Contracts over \$100,000
 - Contract won by Non-SBE tracked
 - MWD does not have a "Good faith effort"
- PlanetBids Platform
- SBE/DVBE Registration & Certification
- Free and takes roughly 30 minutes
- Reciprocity with DGS
- Primes access to view SBE Database

What is a Small Business

- SBA **guidelines** based upon industry
- Annual Gross Sales Receipts averaged over three (3) years, or Number of Employees:
 - **Engineering Services - \$25.5 M**
 - **General Building Contractor – \$45 M**
 - **Specialty Contractors (electrical, roofing, masonry - \$19M**
 - **State of CA SB-PW - \$37 M and < 200 employees**
 - **Wholesale/Retail – Less than 500 employees**
 - **Computer Systems Services - \$30 M**
- We count all tiers including supplies, subcontractors, & support services on the project towards meeting our goal

Program Overview

- Incentives for Regional/Small/Disabled Veteran- Owned Business
- Contract Evaluation/Project Unbundling
- Database Reflective of the Region
 - Approximately 8,000 small businesses
- Simple Self-Certification/State of CA-DGS
- Small Purchase Acquisition
- Internal/External Training
- Outreach

Professional Services



Business Opportunitites

Information Technology Systems

Cyber Security

Communication

Marketing

Geologist

Biologist

Engineers

Program Managers

Administrative Services

Fleet/Mechanics

Legislative Advocacy



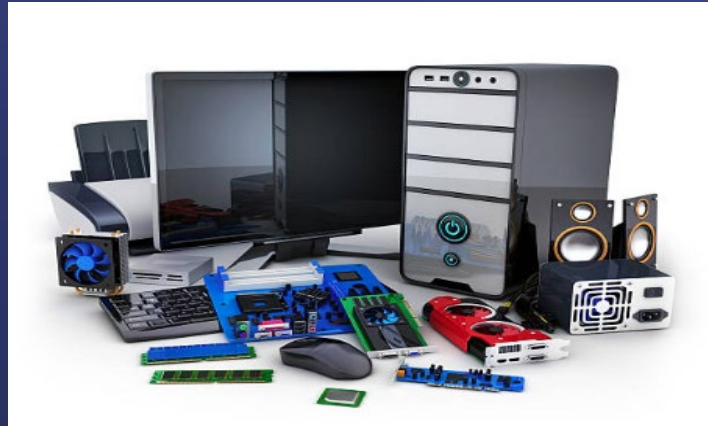
Engineering/Architectural



Procurement

- Acquires goods and non-professional services
- Chemicals
- Fuel
- Waste Disposal
- Tools

Software/IT Hardware



Purchase Fleet



Pipes and Valves



Procurement Team acquires goods and non-professional services

PlanetBids

MetWorks@mwdh2o.com

New Vendor Registration

- Create a Vendor Profile
- Apply **for** SBE Certification

Bid Opportunities

- View/Download Bid documents
- Attend Pre-Bid Meetings
- Submit/view Vendor Q&A
- View Addenda's/emails
- Submit Electronic Bids

PLANETBIDS

The Metropolitan Water District of Southern California Vendor Portal

NEW VENDOR REGISTRATION
Create a new vendor record. If you wish to view or edit an existing vendor, simply Log In.

BID OPPORTUNITIES
Search and bid electronically on opportunities with this agency, download documents, and become a prospective bidder.

MY CONTRACTS LOGIN REQUIRED
Manage your awarded contracts, record payments, add subcontractors, produce reports

CERTIFIED VENDORS LOGIN REQUIRED
Find Certified Small Businesses

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My Contracts

- Once awarded a contract
 - Report SBE/DVBE Utilization
 - Add Subcontractors
 - Run reports/charts

Find Certified Vendors

- View Certified SBE/DVBE Firms
- View other self-reported Classifications/Certifications
 - DBE, Micro, MBE, WBE

METWORKS

Goal of Metworks - Strengthen Our Networks

Partnering with the communities
we serve

- Member agencies
 - Contractors
 - Subcontractors
 - Suppliers
 - SBE/ DVBE firms
 - Consultants
- Next Metworks
- March 7, Carson



Upcoming METWORKS

In-person March 7, 2024

At the Carson Event Center



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.mwdh2o.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://hp.constantcontactpages.com/ev/reg/c7x5j2d1p/05b4f762-e92d-4ee4-9cb5-e869d371f43a>
or scan QR Code to register for event.

INFO
Scan QR Code or text
"METWORKS" to (277) 513-1533
for more information on

  **METWORKS**

METWORKS

Industry Outreach Event

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INFO
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 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

 LOS ANGELES COUNTY SANITATION DISTRICTS
Converting Waste Into Resources

 **BENCH PROGRAM CONTACT INFO**
Scan QR Code for more information

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
THE METWORKS BENCH
CREATING PARTNERSHIP BETWEEN LARGE AND SMALL FIRMS




THE METWORKS BENCH

The Metropolitan Water District (MWD) developed the Construction and Engineering Bench to expand contracting opportunities for certified Disadvantaged Business Enterprise (DBE), Small Business Enterprise (SBE), and Disabled Veteran Business Enterprise (DVBE) to participate on On-Call Architecture and Engineering (A&E) Contracts. The current On-Call A&E Contracts is worth up to \$70 million in contracting opportunities. The purpose of these contracts is to provide consultant services for water infrastructure projects in MWD service area, which covers six (6) Counties, including water treatment improvements, conveyance enhancements, landscape design, Right-of-Way corridors, and other design efforts.

WHAT IS THE A&E BENCH?

The METWORKS A&E Bench is a pool of certified DBE, SBE, and DVBE firms that are readily available for Prime Consultants to add to their teams as sub-consultants on the On-Call A&E Contracts or Task Orders. The A&E Bench is an extremely useful tool for Primes and small, disabled veteran, and disadvantaged businesses as it:

- Increases small, disabled veteran, and disadvantaged business opportunities
- Promotes and fosters diversity and inclusion
- Creates partnerships between large and small firms

 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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

How to join
THE METWORKS BENCH
Program

JOIN METWORKS BENCH

The Metropolitan Water District (MWD) is committed to creating opportunities for Disadvantaged Business Enterprise (DBE), Small Business Enterprise (SBE), and Disabled Veteran Business Enterprise (DVBE) businesses to participate in on-call contracts. To join the MWD Architecture and Engineering (A&E) Bench Program, review the Eligibility Requirements and Registration Instructions to get started.

ELIGIBILITY REQUIREMENTS

A firm must meet the following eligibility requirements for the type of firm, qualification services, and certifications to be eligible for the MetWORKS Bench:

TYPE OF FIRM AND QUALIFICATION SERVICES

- Must be a construction and A&E firm that can provide one or more of the as needed A&E Services

CERTIFICATIONS (must have one or both of the following)

- Disadvantaged Business Enterprise (DBE) certified by the California a Unified Certification Program
- Small Business Enterprise (SBE) certification by the California Department of General Services (DGS) or MWD self-certification
- Disabled Veteran Business Enterprise (DVBE) certification by the California Department of General Services (DGS) or MWD self-certification

AS NEEDED CONSTRUCTION AND A&E SERVICES

<ul style="list-style-type: none"> ADA Compliance Air Quality Studies Architect Architectural/Planning/Design/Interior Design Biological Services Building (Interior, Mechanical, Electrical, Plumbing, Fire/IRG, etc.) Civil/Structural/Landscape/Architectural/Security Construction Management Construction Management/Architect Construction Legal, Analysis, Land Use, and Survey Studies Construction Management and Project Tracking Construction & Cost Estimation Design Support/Engineering Construction Design/Interior/Exterior Lighting, Pre-Project/Post-Project Historical/Archaeology Environmental Compliance Analysis Specialty and Specialty 	<ul style="list-style-type: none"> Construction/Design Studies Historical/Architectural/Design and Maintenance Hazardous Waste Highway Design Hydrologic and Hydrology Landscape Architecture and Irrigation Design Local Street/Bikeway, Wayway Design Master Plan/Strategic Studies Operations, Maintenance, and Inspection Paleontology Studies Painting, Coatings/Finishes Permitting/Notices Piping/Plumbing/Plumbing Process Systems/Operations, Chemicals, Mixing, Storage, etc. Structures Surveying Technical Studies Utilities Visual Assessments Wildlife/Marine Studies
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REGISTRATION & INSTRUCTIONS

- Scan Bench Program QR Code or text METWORKS to 877-513-1533
- Click the **METWORKS BENCH** tab
- Click on the **FREE** registration form
- Complete the Bench general vendor registration
- Visit **MWDh2o.com** and click on "Doing Business with US" to learn more about MWD's SBE/DVBE/DBE Programs

 **BENCH PROGRAM CONTACT INFO**
Scan QR Code for more information

 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

- March 7, 2024 @ Carson Events Center
- MetWorks starts at 8 am
- Metworks Bench starts at 1 pm

METWORKS

Metropolitan Contracting Information Straight from the Source

Stay Mobile

Stay Connected

Stay Connected
and SCAN QR code for
today's Digital Program!!

Text "**METWORKS**" to
877-513-1533

Send

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QR Code



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

PUREWATER

S O U T H E R N C A L I F O R N I A



**LOS ANGELES COUNTY
SANITATION DISTRICTS**

Converting Waste Into Resources