

Meeting Agenda

February 13, 2023

11:00 a.m. – 1:00 p.m.



**Location: Long Beach Utilities
Department Administration Building
1800 E. Wardlow Rd
Long Beach, CA 90807**

For virtual participation, please connect to the Zoom meeting at 11:30 a.m.

<https://us06web.zoom.us/j/86029035072>

Meeting ID: 860 2903 5072

Passcode: 202355

The mission of Los Angeles Chapter of the WaterReuse Association is to enhance the resiliency and sustainability of Los Angeles County by increasing the safe, beneficial use of recycled water. Its objectives shall be to promote water reclamation and recycling as a sustainable supplemental source of water for the state; to work for the adoption of legislation and regulations that allow the safe use of recycled water; to facilitate the development of technology aimed at improving water recycling; to promote legislation that would increase funding for water recycling projects; to provide mutual assistance and support between and among Chapter members involved with water recycling projects; and to increase public awareness and understanding of related water problems and solutions.

Lunch..... 11:00 a.m.

Welcome, Introductions and Instructions..... 11:30 a.m.

1. Host Presentation: Planning for Groundwater Augmentation using Pure Water (Nikolas Baykal; Long Beach Utilities)
2. Sponsor Presentation: Supply Chain Solutions (Steven Friedman, HDR)
3. Water Recycling Legislative/Regulatory Updates
4. Regulatory Agency Spotlight
5. California State Section Update (Rafael Villegas)
6. Chapter Updates (Jennifer Jacobus)
7. Membership Roundtable (Alex Waite)
8. Next Meeting
 - April 9, 2024 – Host: TBD; Sponsor TBD
 - June 11, 2024 – Host: TBD; Sponsor TBD
9. Adjournment 1:00 p.m.

Los Angeles Chapter Officers for 2023/2024

Jared Lee, President	626-379-8443
Alex Waite, Vice President	424-399-6733
Jennifer Jacobus, Secretary/Treasurer	213-448-2586
Rafael Villegas, Chapter Trustee	213-367-1289
Fred Gerringer, Past President	626-319-1107

JLee@burbankca.gov
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jjacobus@rinconconsultants.com
rafael.villegas@ladwp.com
fgerringer@hazenandsawyer.com

Planning for Groundwater Augmentation using Pure Water

February 13, 2024

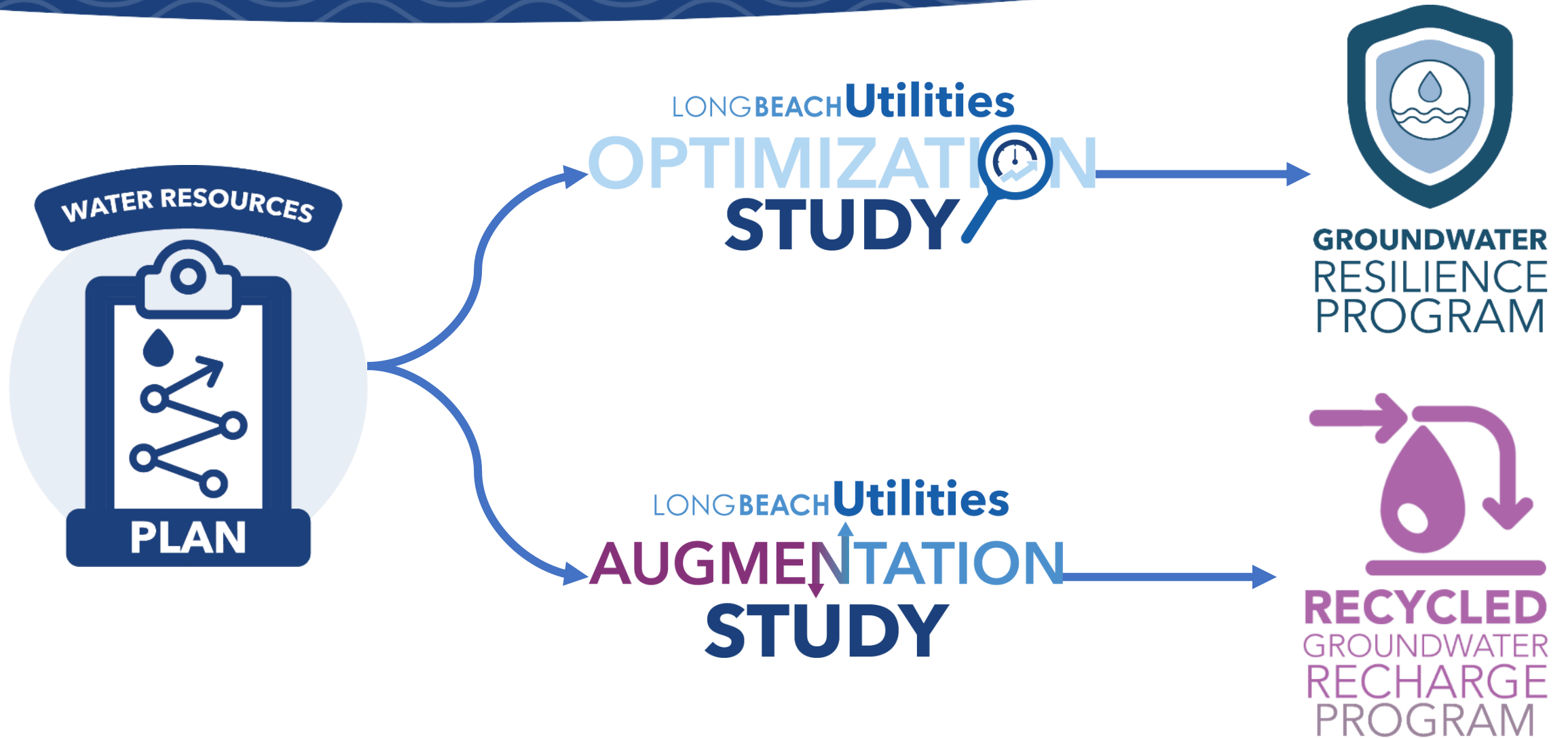
Project Scope

- Groundwater Augmentation
 - Central Basin Groundwater Model Update
 - Groundwater Augmentation Program Development
- Well Siting
 - Central and West Coast Basins
- Existing Collection Main Assessment
 - Hydraulic Model Update
 - Condition Assessment

- **MWD Proposed Alignment Through City of Long Beach**



How did we get here?



Goals

- Update and calibrate Central Basin groundwater model
- Identify injection capabilities within service area of Central and West Coast Basins
- Identify potential well sites within service area of Central and West Coast Basins
- Update hydraulic model of well collection main system
- Create a road map for future CIPs
- Maximize use of groundwater allocation



LONG BEACH
Utilities
Water · Gas · Sewer



WaterReuse California
ANNUAL CONFERENCE
2022

Supply Chain Solutions

Steve Friedman, PE, BCEE, PMP
Vice President, HDR



The Problem

Pandemic (Current China lockdown – 477 ships)

Russia/Ukraine War

Reduced labor force

High material demands



**Long
Delivery
Schedule**

Typical Solutions

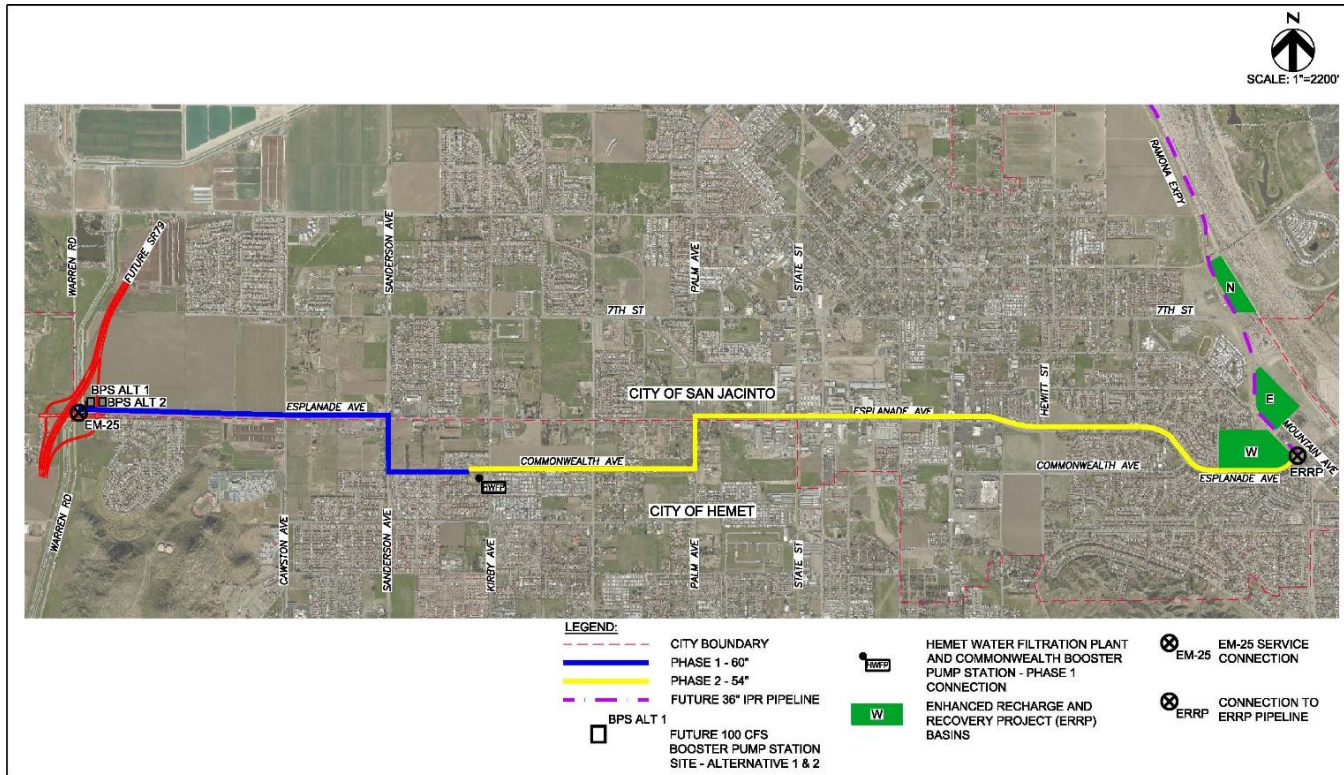
- Creative Solutions
- Owner Furnish Equipment
- Collaborative Delivery with Early Procurement



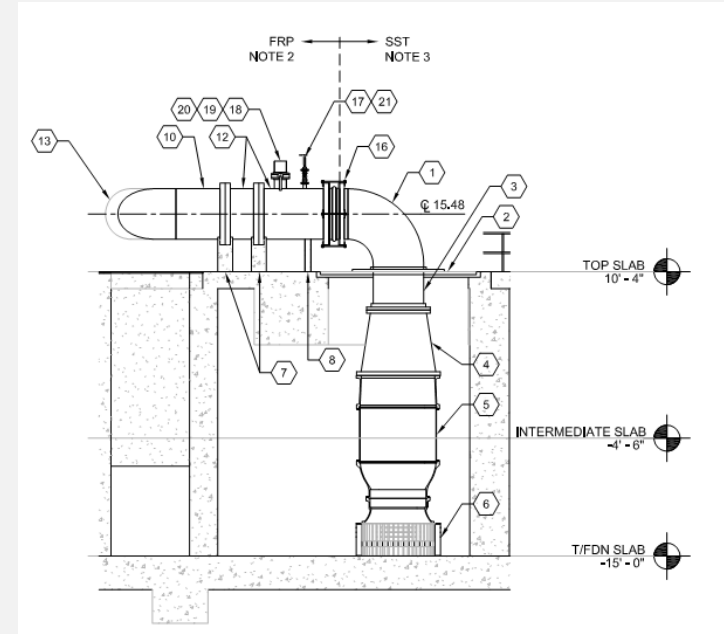
Example Projects

Project	Supply Project	Long Lead Item	Key Solution
EMWD San Jacinto Raw Water Conveyance Facility (ASR)	Aquifer Storage and Recovery (ASR)	54-inch Isolation Valve	Owner furnish
Poseidon Dilution Pump Station	Ocean Desalination	100 MGD Super Duplex Submersible Pumps	Owner furnish and fixed price DB
MWD Foothill Pump Station	Drought Resiliency	Pipe and Valves	Owner furnish, construction phasing

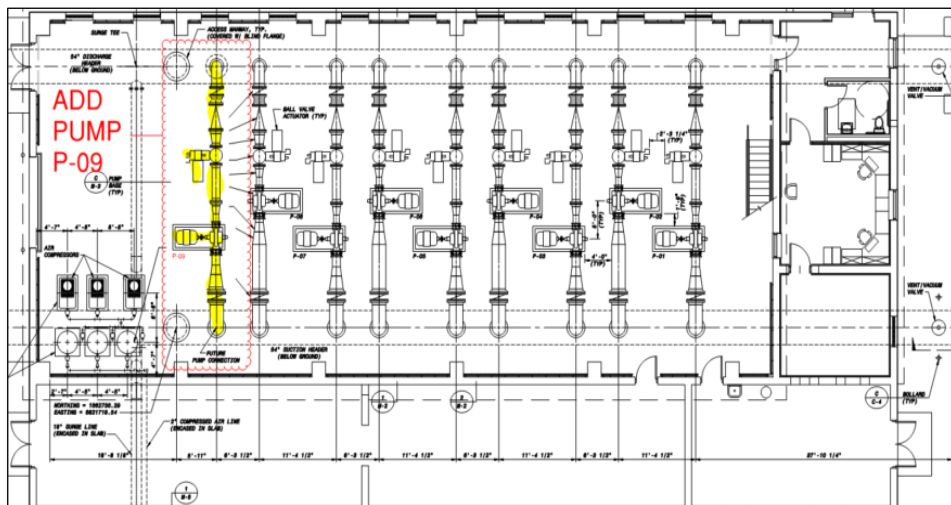
EMWD SJVRWCF Case Study



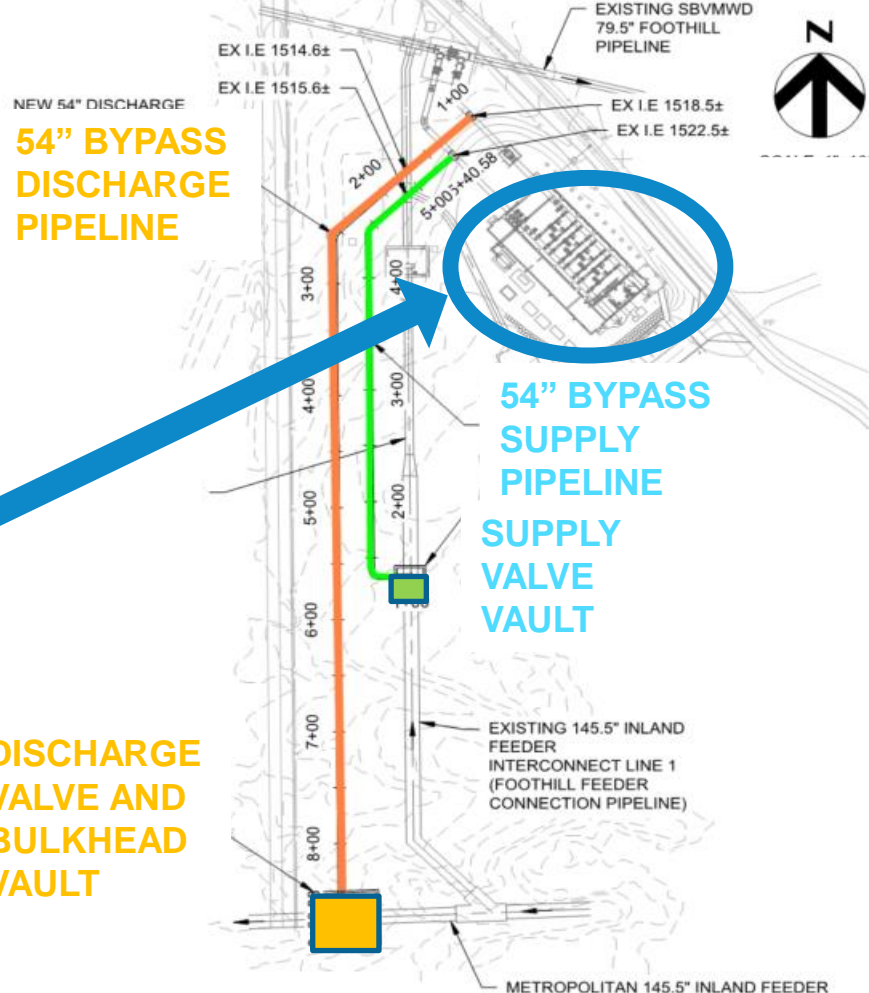
Poseidon Brine Dilution Pump Station



MWD Foothill Pump Station - Proposed Improvements



FOOTHILL PUMP STATION



Creative Solution Examples



**Defer
key equipment
to later
construction
phases**



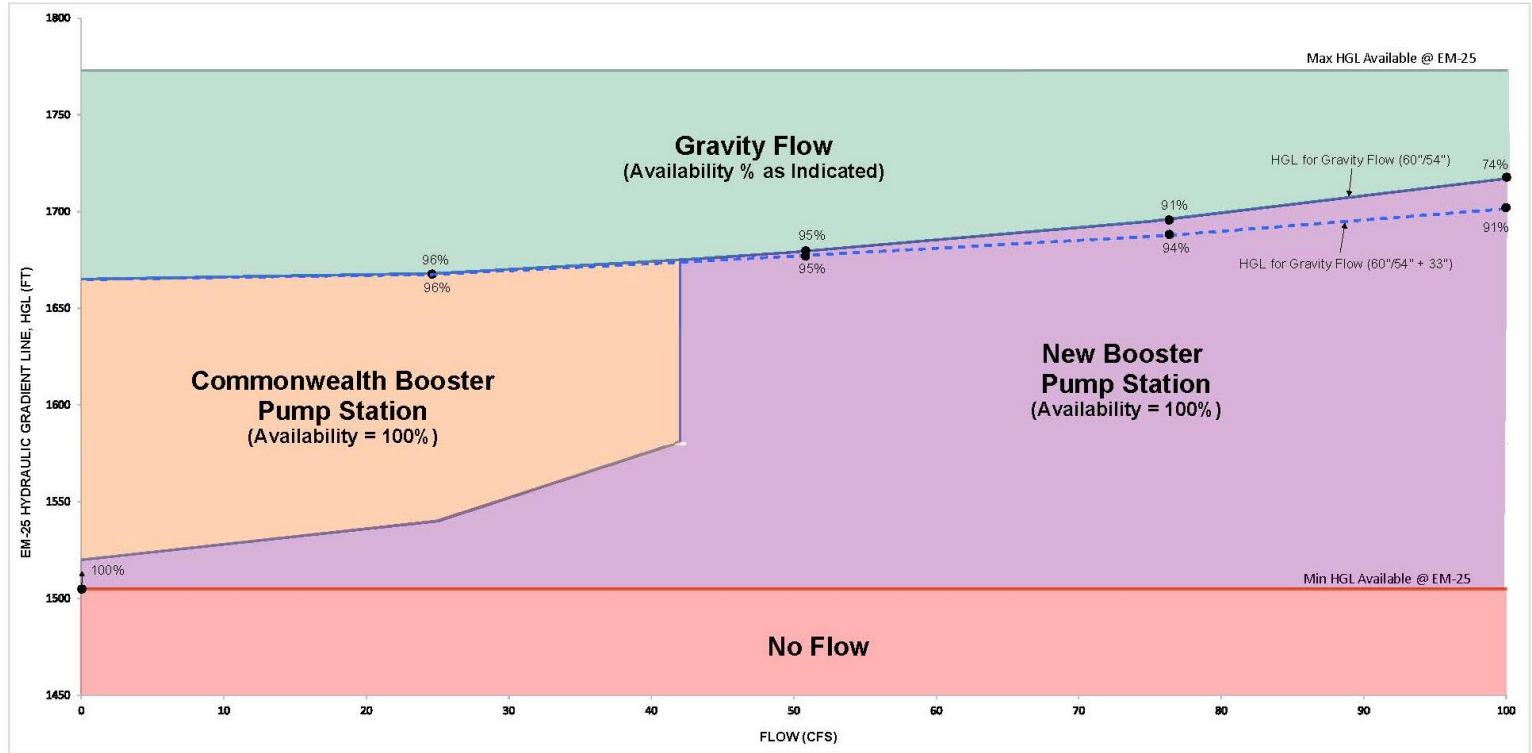
**Replace
long lead
items with
something
available now**



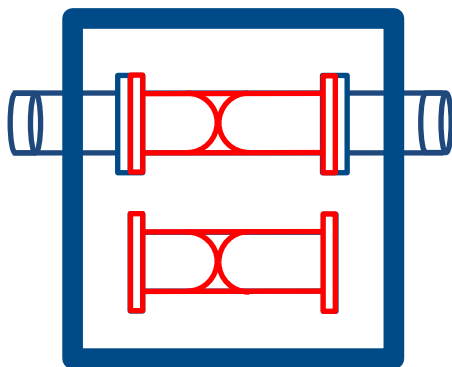
**Maximize
use of
existing
facilities**

Defer to later phases

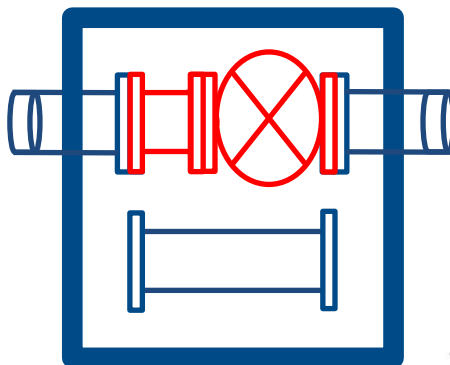
Eastern MWD Raw Water Conveyance Facility



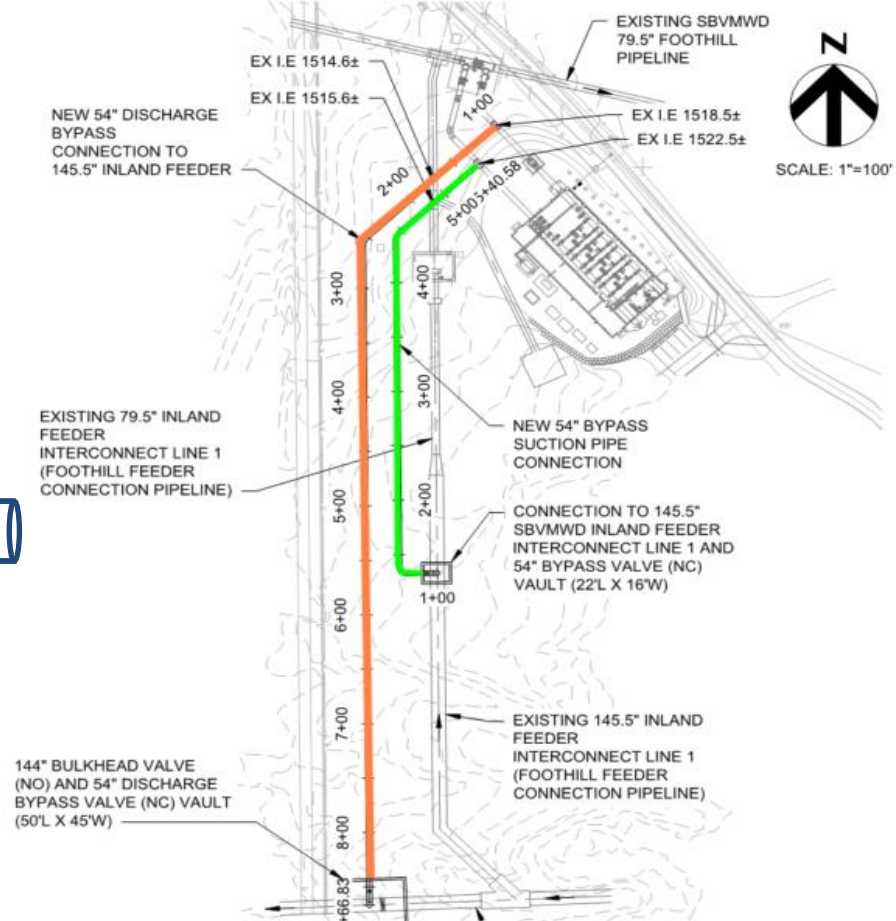
Replace Long Lead Items



Phase 1
144" and 2-54" Bulkheads

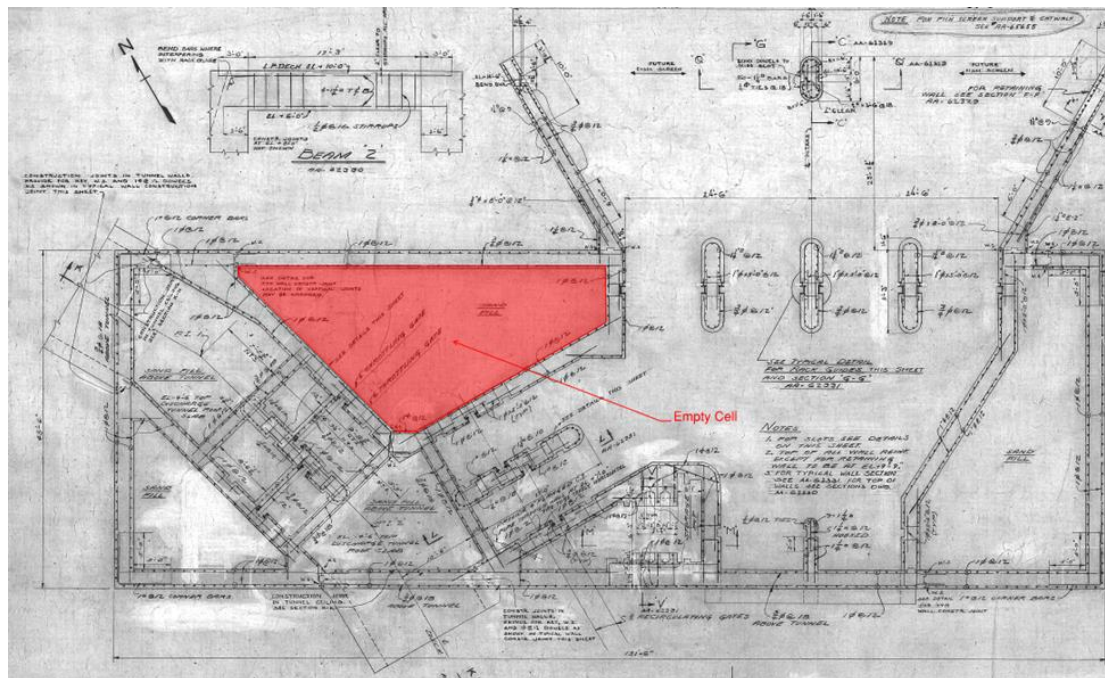


Phase 2
144" and 2-54" BFVs



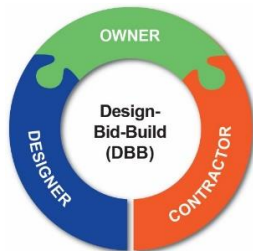
MWD Foothill Pump Station

Maximize Existing Facilities



Poseidon Dilution Pump Station

Collaborative Delivery Simplifies Early Procurement



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Features/Process:

- ✓ Owner selects Designer
- ✓ Designer designs project, develops plans and specifications, and assists with evaluating bids
- ✓ Construction awarded to Contractor with lowest responsive bid
- ✓ Construction monitored by Designer or 3rd party construction manager

- PROS**
- Owner retains control of design
 - Open bidding for construction contracts
 - Independent oversight of construction contractor
 - Well understood delivery method

- CONS**
- Owner maintains majority of risk for changes
 - Finger-pointing between designer and contractor
 - Longer schedule
 - Higher potential for claims and change orders
 - Later certainty of construction cost
 - Multiple contracts for Owner to manage

- WORKS BEST WHEN**
- Owner desires high level of involvement in design
 - Schedule is not a priority
 - Owner has limited enabling legislation for collaborative delivery methods



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Features/Process:

- ✓ Owner selects Advisor to prepare preliminary design (to 10-30% design completion)
- ✓ Competitive procurement to select Design-Builder (fixed-price is a significant selection criteria)
- ✓ Design-Builder finalizes design and builds the project

- PROS**
- One contract for Owner to manage
 - Competitive pricing factors into selection
 - Owner retains some involvement in design
 - Earlier identification of total initial construction price

- CONS**
- Does not foster collaborative design innovation
 - Potential less access/selection of designer
 - Higher potential for unmet Owner expectations
 - Higher potential for claims and change orders than Progressive D-B and DBB

- WORKS BEST WHEN**
- Project elements can be well defined during preliminary design
 - Predominantly a construction project
 - Schedule and early price identification are high priorities to Owner
 - Owner does not want to be too involved in design development details



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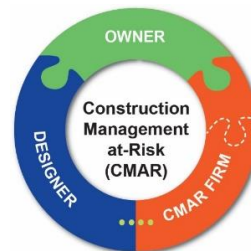
Features/Process:

- ✓ Owner selects Advisor (optional) to prepare conceptual design and procurement documents
- ✓ Owner selects Design-Builder, primarily on qualifications and other factors
- ✓ Design-Builder prepares design (approx. 60% design completion) and prepares a Guaranteed Maximum Price (GMP)
- ✓ After GMP is accepted, Design-Builder finishes design and builds the project

- PROS**
- Relatively easy procurement process
 - Design-Builder selection primarily on qualifications
 - Pricing is open book and transparent
 - "Exit" or "Off Ramp" if GMP is not acceptable to Owner
 - Ability to design to budget

- CONS**
- Construction price is not known or guaranteed at initial contract signing
 - Pricing requested during selection process is limited
 - Requires procurement and project delivery knowledge transfer

- WORKS BEST WHEN**
- Qualifications and approach are more important than price
 - Complicated design elements
 - Owner desires high degree of involvement in design development details
 - Flexibility to make modification during implementation



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Features/Process:

- ✓ Owner selects Designer and CMAR on qualifications and other factors
- ✓ Designer designs project with collaborative input from CMAR (constructability, value engineering, cost estimating, scheduling)
- ✓ Owner and CMAR negotiate GMP at a certain point during design (approx. 60% complete)
- ✓ Construction can be self-performed or competitively bid by CMAR

- PROS**
- Contractor (CMAR) involved during design
 - Earlier certainty on construction price than DBB
 - Pricing is open book and transparent
 - "Exit" or "Off Ramp" if GMP is not acceptable to Owner
 - Ability to design to budget

- CONS**
- Construction price is not known or guaranteed at initial CMAR contract signing
 - Does NOT eliminate designer-contractor conflicts
 - Owner retains most of performance risk
 - More Owner resources required to manage multiple contracts

- WORKS BEST WHEN**
- Complex construction project
 - Construction input during design development is critical
 - CMAR self-performance is desired by Owner
 - Owner desires to maintain a traditional relationship with its designer.

Thank You!



Steve Friedman

PE, PMP, BCEE
Vice President

Contact Information

HDR

Steve.Friedman@hdrinc.com
949.533.6239

3230 El Camino Real, Suite 200
Irvine, CA 92602

Visit us at hdrinc.com



WaterReuse LA Chapter Meeting

February 13, 2024

Division of Drinking Water Updates

Rebecca Christmann, Recycled Water Unit
rebecca.christmann@waterboards.ca.gov





STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER



Gavin Newsom
Governor

Digitally signed by Darrin Polhemus
Date: 2024.01.29 13:37:20
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Darrin Polhemus, Deputy Director
December 2, 2023 - January 1, 2024

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VACANT

Staff Services Analyst
(Gen.)
880-402-5157-706
Stormy Hinkley

Deputy Director
CEA, Level B
880-402-7500-001
Darrin Polhemus

Drought Program
Manager
Supervising WRC
Engineer
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Eric Zuniga

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DRINKING WATER FIELD
OPERATIONS BRANCH
Assistant Deputy Director
Principal WRC Engineer
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Dan Newton, Chief

CENTRAL CALIFORNIA
DRINKING WATER FIELD
OPERATIONS BRANCH
Assistant Deputy Director
Principal Engineer, Drinking Water
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Kurt Souza, Chief

SOUTHERN CALIFORNIA
DRINKING WATER FIELD
OPERATIONS BRANCH
Assistant Deputy Director
Principal WRC Engineer
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Sean McCarthy, Chief

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Assistant Deputy Director
Principal WRC Engineer
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Andrew Altevogt, Chief
(SB 200)

PROGRAM MANAGEMENT
BRANCH
Assistant Deputy Director
Principal Engineer, Drinking Water
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Robert Brownwood, Chief

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Ali Rezvani

NORTH CENTRAL SECTION
SECTION III
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Tricia Wathen

SOUTHERN CALIFORNIA
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SECTION V
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SAFER DRINKING WATER
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Chad Fischer
(SB 200)

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(Supervisory)
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Stefan Cajina

SOUTH CENTRAL SECTION
SECTION IV
Supervising WRC Engineer
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Jeff Densmore

SOUTHEAST SECTION
SECTION VI
Supervising Sanitary Engineer
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VACANT

QUALITY ASSURANCE
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Karen Nishimoto

TECHNICAL OPERATIONS
SECTION
Supervising WRC Engineer
880-402-3849-002
Randy Barnard



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER DISTRICT OFFICES
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District 02 - Lassen
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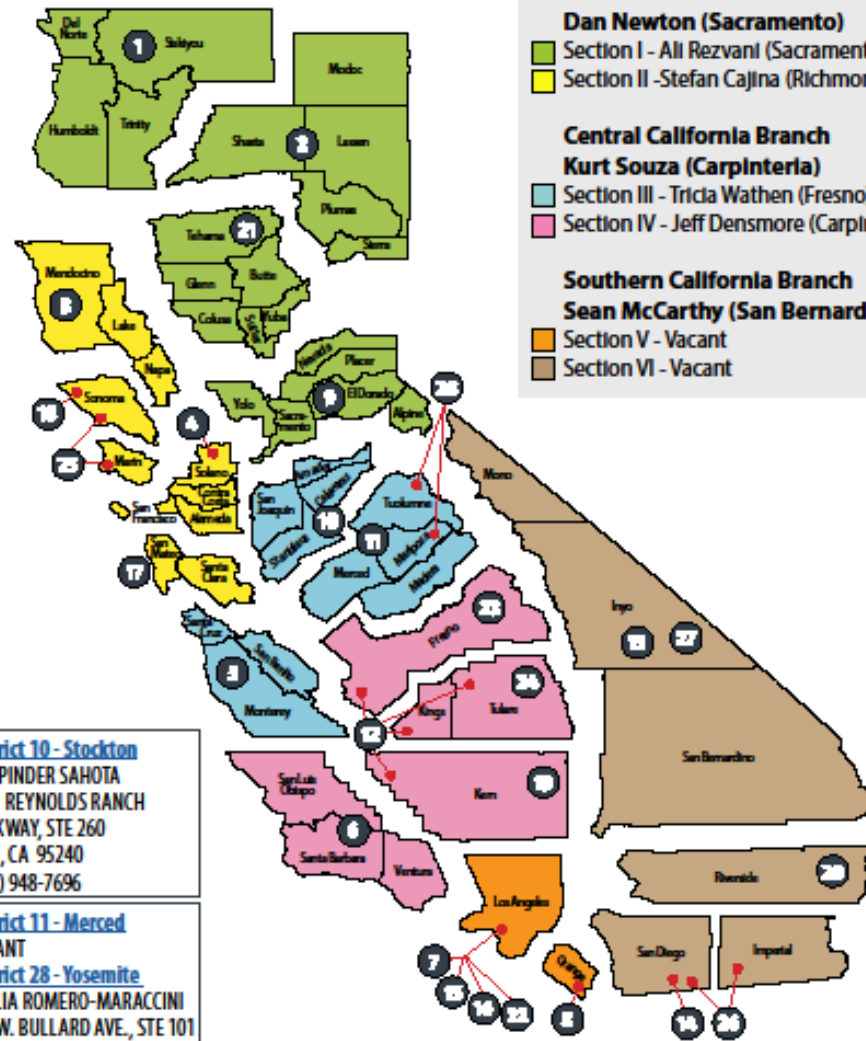
District 03 - Mendocino
ZACH ROUNDS
District 18 - Sonoma
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District 04 - San Francisco
MARCO PACHECO
District 17 - Santa Clara
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District 25 - Marin
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MONTEREY, CA 93940
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BHUPINDER SAHOTA
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District 11 - Merced
VACANT
District 28 - Yosemite
OFELIA ROMERO-MARACCINI
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FRESNO, CA 93704
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Updated January 26, 2024

Northern California Branch
Dan Newton (Sacramento)

- Section I - Ali Rezvani (Sacramento)
- Section II - Stefan Cajina (Richmond)

Central California Branch
Kurt Souza (Carpinteria)

- Section III - Tricia Wathen (Fresno)
- Section IV - Jeff Densmore (Carpinteria)

Southern California Branch
Sean McCarthy (San Bernardino)

- Section V - Vacant
- Section VI - Vacant

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ADAM T. FORBES
District 23 - Fresno
VACANT
District 24 - Tulare
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DMITRIY GINZBURG
District 15 - Metropolitan
CHI P. DIEP
District 16 - Central
TERRY KIM
District 22 - Angeles
BILL LIANG
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District 08 - Santa Ana
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District 13 - San Bernardino
WEI CHANG
District 27 - Mojave
HELENE BARIBEAU
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District 14 - San Diego
SEAN STERCHI
District 20 - Riverside
CHUN HUANG
District 26 - Imperial
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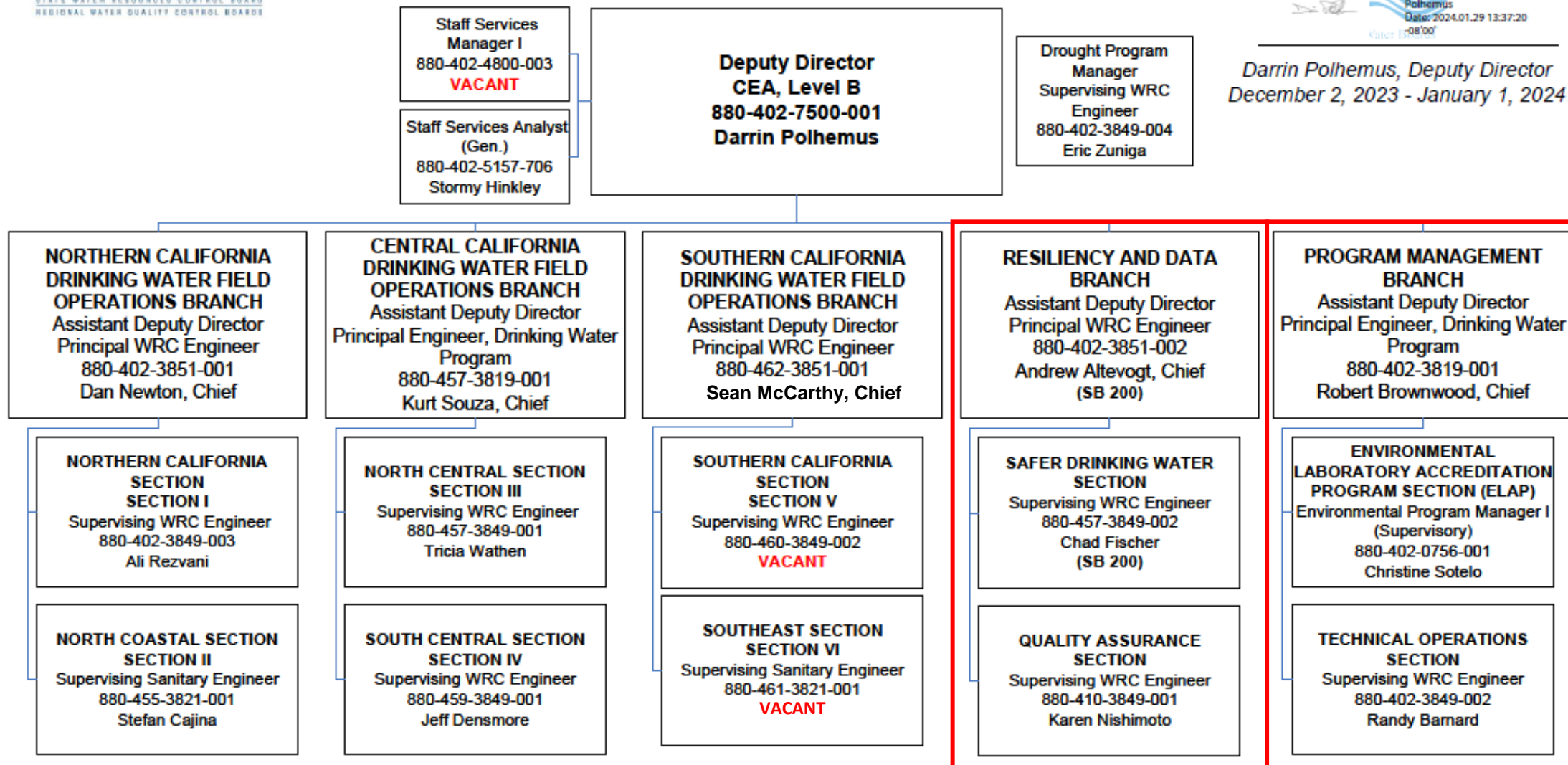
STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER



Gavin Newsom
Governor

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*Darrin Polhemus, Deputy Director
December 2, 2023 - January 1, 2024*





**STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER
PROGRAM MANAGEMENT BRANCH**



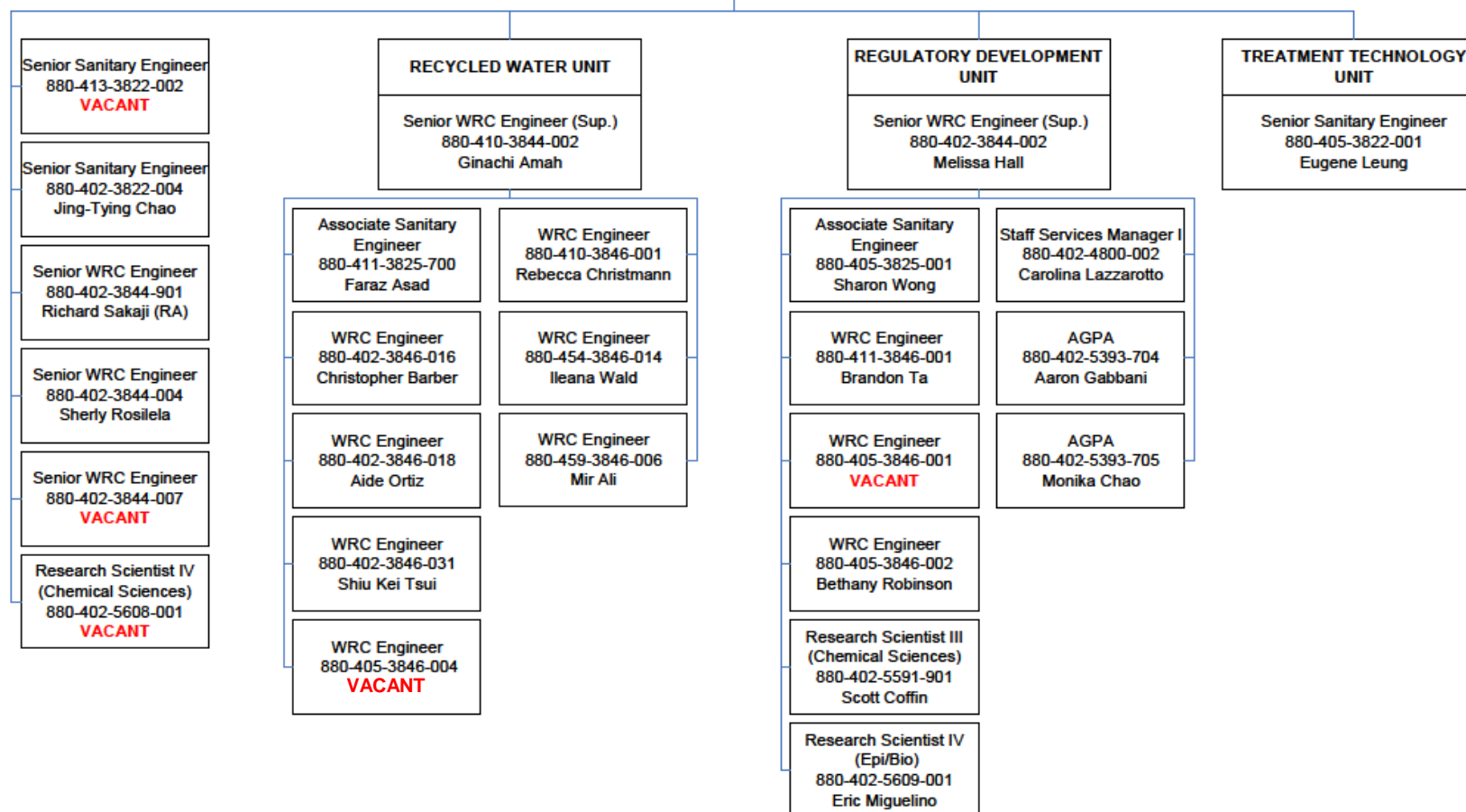
Gavin Newsom
Governor

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Darrin Polhemus
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*Darrin Polhemus, Deputy Director
December 2, 2023 - January 1, 2024*

Staff Services Analyst
880-402-5157-702
Samuel Newstone

**TECHNICAL OPERATIONS SECTION
Supervising WRC Engineer
880-402-3849-002
Randy Barnard**



Direct Potable Reuse (DRP) Regulations

- December 19, 2023 – SWRCB Adoption
- Effective Date of the Regulations – TBD
- [Direct Potable Reuse Regulations](#)
- [DPR Background Information](#)
- Questions: [WB-DDW-RecycledWater](#)

Cross-Connection Control Policy Handbook (CCCPH)

- December 19, 2023 – SWRCB Adoption
- July 1, 2024 – Effective Date
- July 1, 2025 – PWS Cross-Connection Control Plan
- [Cross-Connection Control Policy Handbook](#)
- [Cross-Connection Control Policy Handbook Website](#)
- Questions: [WB-DDW-TechOps](#)

Regulatory Updates

- Proposed Hexavalent Chromium MCL of 10 ppb (0.01 mg/L)
 - February 19, 2024, at 12:00 pm – Public comment period ends
 - [Hexavalent Chromium MCL](#)
- [Regulations for Onsite Treatment and Reuse of Non-potable Water](#)
- [Water Recycling Criteria Update \(Title 22, Division 4, Chapter 3\)](#)

Chapter Trustee Updates

WATEREUSE LA Chapter – February 13, 2024



Last Board of Trustees Meeting: February 9, 2024



Next Board of Trustee Meeting: May 3, 2024

Finance Report

2023 Finances to Date

- Revenues came in higher than budgeted
- Expenditures higher than projected, but still less than overall revenues
- Reserves rolled over into T-Bills



Chapter Trustee Updates

WATEREUSE LA Chapter – February 13, 2024



Last Board of Trustees Meeting: February 9, 2024



Letter of Agreement for Jennifer West Consulting Services

Scope of Services to WRCA:

- Provide advice and technical information on recycled water regulatory and legislative issues.
- As necessary provide feedback on memos and newsletter articles.
- Provide meeting coverage for regulatory or other California specific issues as requested by the Interim Managing Director.
- Assist the interim Managing Director, and newly placed Director on matters impacting WRCA operations, advocacy, and programming.

Chapter Trustee Updates

WATEREUSE LA Chapter – February 13, 2024



Last Board of Trustees Meeting: February 9, 2024



Appointment of WRCA Managing Director

Recommended Candidate

- Brenley McKenna

Experience

- Chief of Subscriber Services: The Water Research Foundation in Denver Colorado
- Served as Section President for 2016 - 2017 term
- Active in WaterReuse since 2013

Employment Timing

- Tentative Start Date: April 1, 2024



Chapter Trustee Updates

WATEREUSE LA Chapter – February 13, 2024



Last Board of Trustees Meeting: February 9, 2024



Legislative and Regulatory Committee

- State Budget and Climate Update Bond Status
 - California budget is in a deficit.
- Recycled Water-Potable Reuse “Conservation is a way of Life”
 - WRCA attended the California way of life Workgroup Kickoff meeting.
- Major Provisions of California's DPR Regulations
- Recycled Water Funding Opportunities
 - February 2024 WaterReuse Opportunities distributed to LA Chapter.
- Comment Letter DFA : Clean Water State Revolving Fund Policy Amendments
- Comment Letter MWD: Achievements in Conservation, Recycling, and Groundwater Recharge



Chapter Trustee Updates

WATEREUSE LA Chapter – February 13, 2024



Last Board of Trustees Meeting: February 9, 2024



Reimagining Water Together

- Update from March 10-13, 2024 to March 11-14, 2024

A promotional banner for the WaterReuse 2024 Symposium. The left side features the WaterReuse logo and the text "2024 SYMPOSIUM" in large, bold, blue letters. Below this, it says "MARCH 11-14, 2024 | HILTON DENVER CITY CENTER" and "IN COLLABORATION WITH THE WATER RESEARCH FOUNDATION". The right side has the text "REMOVING BARRIERS, ELEVATING OPPORTUNITIES" in blue, set against a background of blue triangles of various shades. A large white graphic of a mountain peak and a water drop is on the far right.

WATEREUSE[®]
2024 SYMPOSIUM
MARCH 11-14, 2024 | HILTON DENVER CITY CENTER
IN COLLABORATION WITH THE WATER RESEARCH FOUNDATION

REMOVING
BARRIERS,
ELEVATING
OPPORTUNITIES

Chapter Trustee Updates

WATEREUSE LA Chapter – February 13, 2024



Last Board of Trustees Meeting: February 9, 2024



WRA Executive Director's Report

Membership

- Net 40, California net 5 members

National Symposium – Denver

- Upcoming year, focus on Colorado River
 - GM Panel on RW implications for Colorado River
- Regulator Summit – States can learn from each other

Advocacy in Congress

- Seed funding for alternative water supply program



PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
MWD On-Site Retrofit Program (OSRP) * *only MWD members are eligible for this funding	\$2M per year	\$195/acre-foot over 10 years.	Provides financial incentives directly to customers	Public and private owners to convert potable water irrigation or industrial water systems to utilize recycled water.	SOLICITATION OPEN	First come first serve basis starting 7/1 through 6/30 or until funds are exhausted.	Contact: Jessica Arm, Associate Resource Specialist jarm@mwdh2o.com http://www.bewaterwise.com/on-site-retrofit-program.html
MWD Local Resource Program (LRP)* *only MWD members are eligible for this funding			Provides financial incentives for the development of water recycling, groundwater recovery, and seawater desalination projects.	Projects can include: <ul style="list-style-type: none"> • Water recycling • Groundwater recovery • Seawater desalination Three incentive payment options: <ul style="list-style-type: none"> • Sliding scale incentives up to \$340/AF over 25 years, • Sliding scale incentives up to \$475/AF over 15 years, or • Fixed incentive up to \$305/AF over 25 years. 	SOLICITATION OPEN	First come first serve basis starting 7/1 through 6/30 or until funds are exhausted.	Contact: Nadia Hardjadinata Resource Specialist nhardjadinata@mwdh2o.com http://www.mwdh2o.com/AboutYourWater/Planning/Funding-Programs/Local-Resource-Program-Funding
Water Savings Incentive Program			Open to all commercial, industrial, agricultural, institutional and large Landscape customers	Project examples: <ul style="list-style-type: none"> • Replacement of older, less water-efficient equipment, • Comprehensive changes to industrial processes that reduce water consumption, • Improvements to existing irrigation systems and landscaping to improve water use efficiency. 	SOLICITATION OPEN	Payment amount is up to \$0.60 per 1,000 gallons saved per year over the project live, up to a maximum of 10%. Incentives are limited to 50% of eligible project costs	

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
SoCal Water\$mart		Dependent on type of project	Business and residential rebates to help encourage water efficiency and conservation	Commercial Projects: Plumbing Fixtures Landscaping Equipment Food and HVAC Equipment Medical and Dental Equipment Residential Projects: Turf Removal Residential Devices	SOLICITATION OPEN		https://socalwatersmart.com/en/commercial https://socalwatersmart.com/en/residential
SWRCB Division of Financial Assistance: Drinking Water State Revolving Funding	\$650 Million		Planning/design and construction of drinking water infrastructure projects including: <ul style="list-style-type: none"> • treatment systems • distribution systems • interconnections • consolidations • pipeline extensions • water sources • water meters 	<ul style="list-style-type: none"> • Publicly-owned community water systems (e.g., counties, cities, districts) • Privately-owned community water systems (e.g., for-profit water utilities, non-profit mutual water companies) • Non-profit or publicly-owned non-community water systems (e.g., public school districts) • Community water systems created by the project 	SOLICITATION OPEN	Complete and submit an application online through the Financial Assistance Application Submittal Tool (FAAST) at https://faast.waterboards.ca.gov	The application is also available on the DWSRF website at: https://www.waterboards.ca.gov/drinking_water/services/funding/SRF.html

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
SWRCB Division of Financial Assistance: Clean Water State Revolving Funding	\$650 Million		Construction of POTWs: <ul style="list-style-type: none"> Wastewater treatment Local sewers Sewer interceptors Water reclamation distribution Stormwater treatment Combined sewers Landfill leachate treatment Implementation of NPS projects to address pollution associated with: <ul style="list-style-type: none"> Agriculture Forestry Urban Areas Marinas Hydromodification Wetlands Development and implementation of estuary comprehensive.	<ul style="list-style-type: none"> Any city, town, district, or other public body created under state law, including state agencies A Native American tribal government or an authorized Native American tribal organization having jurisdiction over disposal of sewage, industrial wastes or other waste Any designated and approved management agency under Section 208 of the Clean Water Act 501(c)(3)'s and National Estuary Programs 	SOLICITATION OPEN	Complete and submit an application online through the Financial Assistance Application Submittal Tool (FAAST) at https://faast.waterboards.ca.gov	The application is also available on the CWSRF website at: https://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
SWRCB Division of Financial Assistance: Proposition 1 Groundwater Grant Program	Proposition 1 provided \$900 million for a Groundwater Sustainability Program	Round 3 – Implementation Project only		Proposition 1 Groundwater Grant Program (Prop 1 GWGP) eligible projects must contribute to cleanup or prevention of contamination in the aquifer. However, Sections 4.5 and 4.6 of the Guidelines also allow for Prop 1 GWGP funds to be utilized for certain drinking water and wastewater projects serving disadvantaged communities (DAC)	SOLICITATION CLOSED	Applications are submitted using the Financial Assistance Application Submittal Tool (FAAST).	https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/groundwater_sustainability.html
DWR Water Use Efficiency: CalConserve Revolving Fund (Proposition 1)	\$10M	\$10M	Sustainable funding source for urban water use efficiency projects.	Projects including but not limited to: <ul style="list-style-type: none"> • Dish/clothes washer upgrades • Water-saving plumbing fixtures • Hot-water recirculating pumps • Leak detection & repair • Landscape irrigation upgrades • Commercial, institutional, and industrial water efficiency 	Solicitation Open. Proposals accepted through GRanTS application	Continuously	<ul style="list-style-type: none"> • \$1.75 million is to be loaned out for water use efficiency upgrades • \$5 million is to be loaned out for fixing expensive and difficult to repair customer leaks
DWR IRWM Grant Program Implementation Grant (Proposition 1, Round 2)	The Round 2 solicitation will make approx. \$192 million (the remaining funds for Implementation grants) for awards	TBD	Projects and programs that support IRWM.	<ul style="list-style-type: none"> • Water reuse & recycling • Water conservation • Surface storage/GW recharge • Conjunctive use • Water conveyance • Watershed restoration and protection • SW resource management • Desalination • WQ improvements 	SOLICITATION CLOSED		See link below for website: https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
DWR IRWM Grant Program Planning Grant (Proposition 1, Round 2)	\$5M	TBD	Projects and programs that support IRWM.	Planning projects that accomplish: <ul style="list-style-type: none"> • Development of an IRWM plan that meets the IRWM Plan Standards • Compliance with recent legislation • Improvement of an existing IRWM plan. 	SOLICITATION CLOSED		See link below for website: https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1
DWR IRWM Grant Program DAC Involvement (Proposition 1)	\$51M statewide \$9.8 M for LA Region	\$9.8M for LA Region	Projects and programs that support IRWM.	Projects ensuring DAC involvement in IRWM planning efforts, including but not limited to eligible projects described in the Implementation Grant list.	Solicitations Continuously Open	SOLICITATION OPEN	
DWR 2022 Urban Community Drought Relief Funding	\$200M for Urban Communities, \$75M for Conservation for Urban Suppliers, and \$75M for Turf Replacement. The same Budget Act also authorized \$100 million for the Small Community Drought	\$300M	These grants are intended to provide water to communities that face the loss or contamination of their water supplies, to address immediate impacts on human health and safety, to secure the future of California's water supply, and to protect fish and wildlife resources	Eligible project types include: <ul style="list-style-type: none"> • Projects that support immediate drought response • Projects that enhance local supply and climate resilience through source watershed improvements, consistent with Water Code section 108.5, that defines source watershed as infrastructure • Drought resilience planning • Water conservation activities, • Turf replacement with drought tolerant landscaping <ul style="list-style-type: none"> • Hauled water • Installation of temporary or permanent community water tanks • Bottled water 	SOLICITATION CLOSED	Applications were due on 1/31/2023 electronically via GRanTS.	Final 2022 Urban Community Drought Relief GL/PSP (ca.gov)

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
	Relief Program			<ul style="list-style-type: none"> • Water vending machines • Emergency water interties • New wells or rehabilitation of existing wells • Construction of permanent connection to adjacent water systems, RW projects that provide immediate relief to potable water supplies projects that support immediate drought response • Fish and wildlife rescue, protection, and relocation 			
Integrated Climate Adaptation and Resiliency Program Regional Resilience Grant Round 1 Governor's Office of Planning and Research	The Budget of Act of 2021 made \$25 million available for this program.	Total available is \$9.4M The funding range for planning projects is \$150,000 - \$650,000. The funding range for implementation projects is \$650,000 - \$3M	RRGP funds two project types: planning and implementation. All projects must have a regional focus and support communities most vulnerable to climate change. needs	Planning Grants are for applicants who want to involve their community in studying and determining how to address climate risks in their region. Funds can be used to assess regional climate risks, create regional plans for resilience, prepare for implementation. Implementation Grants are for applicants who already know some of the steps they need to take to address the climate risks in their region. Funds can be used for physical projects or non-physical projects like programs or processes that reduce climate risk.	SOLICITATIONS - CLOSED	Phase 1 – Request for Full Application – RRGP Intent Survey were due on 8/29/2023 and Phase 2 – Full Application were due on 8/29/2023	RRGP contact (916) 720-4439 icarp.grants@opr.ca.gov Or Dolores Barajas Dolores.barajas@opr.ca.gov https://www.opr.ca.gov/climate/icarp/grants/regional-resilience-grant.html

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants Drought Response Program Drought Resiliency Projects	Purpose: Funding for on-the-ground projects and modeling tools that will increase water reliability and improve water management.	Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. Category B Applicants: Nonprofit conservation organizations that are acting in partnership and with the agreement of an entity described above. Applicants must be located in the Western United States or United States Territories specifically: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming (the "Western United States").	Funding Group I: Up to \$500,000 per agreement for smaller, on-the-ground projects that should be completed within 2 years. Funding Group II: Up to \$2 million for projects to be completed within 3years; and beginning this year, up to \$5 million for large projects to be completed within three years. Non-Federal Cost Share: 50% or greater.	A Funding Opportunity to allocate FY23 appropriations and Bipartisan Infrastructure Law funding <u>has been</u> posted on grants.gov. For more information: https://www.grants.gov/web/grants/view-opportunity.html?oppld=335035 Closed on November 7, 2023
WaterSMART Grants Water and Energy Efficiency Grants	Purpose: On-the-ground water management improvement projects, including projects that conserve water and address water supply reliability.	Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. Category B Applicants: Nonprofit conservation organizations that are acting in partnership and with the agreement of an entity described above. Applicants must be located in the Western United States or United States Territories specifically: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming (the "Western United States"), and American Samoa, Guam, the Northern Mariana Islands, the Virgin Islands, and Puerto Rico ("Territories") (collectively "Western United States or Territories").	Funding Group I: Up to \$500,000 per agreement for smaller, on-the-ground projects that should be completed within 2 years. Funding Group II: Up to \$2 million for projects to be completed within 3years; and beginning this year, up to \$5 million for large projects to be completed within three years. Non-Federal Cost Share: 50% or greater.	FY23 selections were announced on April 21, 2023. 84 projects were selected to receive \$140 million in federal funding, including Bipartisan Infrastructure Law funding. The FY24 Funding Opportunity is anticipated in mid-November 2023. For more information: https://www.grants.gov/web/grants/view-opportunity.html?oppld=335103 Closed on July 27, 2022.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants Small-Scale Water Efficiency Projects	Purpose: To support small water efficiency improvements that have been identified through previous planning efforts.	Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. Category B Applicants: Nonprofit conservation organizations that are acting in partnership and with the agreement of an entity described above. Applicants must be located in the Western United States or United States Territories specifically: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming (the "Western United States"),	Up to \$100,000 for projects to be completed within two years. Total project costs should generally be less than \$225,000. Non-Federal Cost Share: 50% or greater.	FY22 selections were announced on January 5, 2023. 82 projects were selected to receive \$7 million in Bipartisan Infrastructure Law funding. The FY24/25 Funding Opportunity was posted November 2, 2023. The first round for FY24 funding closed on January 16, 2024.
WaterSMART Grants – FY 2023 Water Strategy Grants	Purpose: Planning activities to develop water marketing strategies that establish or expand water markets or water marketing activities between willing participants.	Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. Category B Applicants: Nonprofit conservation organizations that are acting in partnership and with the agreement of an entity described above. Applicants must be located in the Western United States or United States Territories specifically: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming (the "Western United States"), and American Samoa, Guam, the Northern Mariana Islands, the Virgin Islands, and Puerto Rico ("Territories") (collectively "Western United States or Territories").	Up to \$200,000 for projects to be completed within two years; or up to \$400,000 for projects to be completed within three years. Non-Federal Cost Share: 50% or greater.	The FY23 Planning and Design Grants funding opportunity was announced August 7, 2023 Closed on October 17, 2023.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2023 Environmental Water Resources Projects	Purpose: Eligible projects under this funding opportunity include Environmental Water Resources Projects, including water conservation and efficiency projects that result in quantifiable and sustained water savings and benefit ecological values or watershed health, water management or infrastructure improvements to benefit ecological values or watershed health, and restoration projects benefitting ecological values or watershed health that have a nexus to water resources or water resources management.	Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. Category B Applicants: Nonprofit conservation organizations that are acting in partnership and with the agreement of an entity described above. Applicants must be located in the Western United States or United States Territories specifically: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming (the “Western United States”), and American Samoa, Guam, the Northern Mariana Islands, the Virgin Islands, and Puerto Rico (“Territories”) (collectively “Western United States or Territories”).	Reclamation will provide Federal financial assistance of up to \$3 million in Federal funding for projects with a total project cost of \$6 million or less that can be completed in three years. Applicants can receive 75% Federal cost-share if the application demonstrates that the project increases water supply reliability for ecological values, was developed as part of a collaborative process, and the project benefits will advance an established strategy or plan to increase the reliability of water supply for consumptive and non-consumptive ecological values.	The FY23 funding opportunity closed April 5, 2023, and applications are currently under review. Selections are expected November 2023. The FY24 Funding Opportunity is anticipated late February or early March 2024. For more information: https://www.usbr.gov/watersmart/ewrp/index.html
WaterSMART Grants – FY 2023 Applied Science Grants	Phase I Projects to develop hydrologic information and water management tools and to improve modeling and forecasting capabilities.	States, Indian tribes, local and special districts (e.g., irrigation and water districts), local governmental entities, and non-profit organizations that are located in the Western United States or Territories.	Up to \$1.5 million was available in FY 2022. Up to \$200,000 per agreement for a project that can be completed within 2 years. Non-Federal Cost Share: 50% or greater	The FY23 Funding Opportunity was posted June 28, 2023. Applications received by October 17, 2023 are currently under review. Selections are expected mid-March 2024.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants FY 2023/24 Cooperative Watershed Management Program – Phase I	Phase I Watershed group development, watershed restoration planning, and watershed management project design.	States, Indian tribes, local and special districts (e.g., irrigation and water districts), local governmental entities, and non-profit organizations that are located in the Western United States or Territories.	Up to \$200,000 may be awarded to an applicant per year, for a period of up to two years. Non-Federal Cost Share: No non-Federal cost-share required.	The FY23/24 Cooperative Watershed Management Program Phase I funding opportunity posted August 7, 2023. First round closed on December 5, 2023. Second round of applications are due by September 4, 2024.
WaterSMART Grants – FY 2023 Desalination and Water Purification Research Program	Laboratory-scale and pilot-scale research projects to increase water supplies by reducing the cost, energy consumption, and environmental impacts of treating impaired or otherwise unusable waters.	States, Indian tribes, local and special districts (e.g., irrigation and water districts), local governmental entities, and non-profit organizations that are located in the Western United States or Territories. Universities, private industry, water utilities, and other research sponsors may submit proposals.	Up to \$2 million is available. Laboratory-scale projects are eligible for up to \$250,000 in funding over two years. Pilot-scale projects are eligible for up to \$800,000 in funding over three years.	To view this funding opportunity, please visit www.grants.gov and search for funding opportunity number R23AS00390. Closed on November 15, 2023.
WaterSMART Grants – FY 2024 Small Storage Program	The upcoming funding opportunity supports the implementation of small surface storage, groundwater storage, and conveyance projects that will enhance water storage opportunities.	Through this funding opportunity, Reclamation will provide financial assistance for projects that, when implemented, will increase water supply reliability, improve operational flexibility, and enhance climate resiliency of water and related infrastructure throughout the 17 western states, Alaska, and Hawaii.	The Federal cost share for small surface water and groundwater storage projects are limited by law to not more than 25 percent of the total cost of planning, design, and construction and to not exceed \$20 million.	The Fiscal Year 2024 Small Storage Program funding opportunity opened on September 18, 2023. Reclamation continues to accept feasibility study submissions at any time from eligible non-Federal entities.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2023 and FY 2024 Water Conservation Field Services Program	The Water Conservation Field Services Program (WCFSP) was established by Reclamation in 1996 to proactively encourage water conservation in the operations of recipients of water from Federal water projects and to assist agricultural and urban water districts in preparing and implementing water conservation plans in accordance with the Reclamation Reform Act of 1982.	The WCFSP is managed by each of Reclamation's regional offices and implemented at the local level through Reclamation's area offices to address Reclamation-wide water conservation priorities and to meet local goals. Funding is used to make cost-shared financial assistance available on a competitive basis at the area and regional office levels, as well as for technical assistance from Reclamation staff. Funding may be used to develop water conservation plans, identify water management improvements through System Optimization Reviews, design water management improvements, and to improve application of water conservation technologies through demonstration activities.	The Federal cost share is 50 percent of the total cost and up to \$100,000 per entity.	<p>For more information regarding the Water Conservation Field Services Program, please contact Sheri Looper at 303-445-2232 or slooper@usbr.gov. Or you may contact your regional contact:</p> <p>Columbia-Pacific Northwest: Leah Meeks, (208) 378-5025, lmeeks@usbr.gov Lower Colorado Basin: Ken Isakson, (702) 293-8537, kisakson@usbr.gov Missouri Basin: Denis Kelsch, (406)247-7664, dkelsch@usbr.gov Upper Colorado Basin: Gary McRae, (801) 524-3656, gmcrae@usbr.gov</p> <p>2nd Closing Date was June 1, 2023 for FY 2023 proposal</p> <p>Closed on October 13, 2023 for FY 2023 proposals</p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
Planning and Project Design Grants Approximately \$35 million in available program funds, including BIL funding (including funding for Section 40904 Multi-Benefit Projects To Improve Watershed Health) will be provided through this Funding Opportunity.	Collaborative planning and design projects to support water management improvements, include the following activities: Water Strategy Grants (WSG):Planning projects to support water management solutions, such as water marketing, water conservation, drought resilience, and ecological resilience Project Design Grants (PDG):Projects to develop the final design of on-the-ground water management construction and restoration projects. Drought Contingency Planning (DCP):Projects to develop a new or update an existing Drought Contingency Plan.	Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. Category B Applicants: Nonprofit conservation organizations that are acting in partnership and an entity described above. Applicants must be located in the 17 Western States, Alaska, Hawaii, American Samoa, Guam, the Northern Mariana Islands, the Virgin Islands, or Puerto Rico. Note: Drought Contingency Planning funding is limited to Category A and applicants located in the 17 Western States, Hawaii, American Samoa, Guam, the Northern Mariana Islands, or the Virgin Islands.	Up to \$400,000 for projects that can be completed within 3 years. Non-Federal Cost Share: 25 - 50%	The FY23 Funding Opportunity was posted August 7, 2023. The first round of applications were due October 17, 2023 and are currently under review. Selections are expected March 2024. The second round of applications are due April 4, 2024.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
Title XVI Water Recycling and Desalination Planning	<p>The objective of this NOFO is to invite eligible applicants to leverage their funds and resources by cost sharing with Reclamation on the following activities:</p> <ul style="list-style-type: none"> • The development of new water recycling and desalination feasibility studies. • Planning and preliminary design activities for water recycling or desalination construction projects. • Environmental compliance activities for water recycling or desalination construction projects 	<p>Funding Group I: States, Indian Tribes, irrigation districts, and water districts; and any state, regional, or local authority. All applicants must be located in the Western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended or Hawaii.</p> <p>Funding Group II: States, Indian Tribes, municipalities, irrigation districts, water districts, wastewater districts; and any state, regional, or local organization with water or power delivery authority. All applicants must be located in the Western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended.</p>	<p>Funding Group I applicants may request up to \$1 million in federal funding for projects with an anticipated total project cost of less than \$500 million.</p> <p>Funding Group II applicants may request up to \$5 million in federal funding for projects with an anticipated total project cost of greater than \$500 million.</p> <p>Applicants may request reimbursement for work that can be completed within two years. Federal cost-share is limited to 50% of total costs for projects under Funding Group I and 25% of total costs for projects under Funding Group II.</p>	<p>FY23 Funding Opportunity selections were announced on September 27, 2023. 31 projects were selected to receive \$29 million in appropriated funds</p> <p>To view this funding opportunity, please visit www.grants.gov and search for funding opportunity number R23AS00076.</p>
Title XVI Congressionally Authorized Projects – FY 2023 and 2024	Funding for planning, design, and construction of specific congressionally authorized water recycling and reuse projects	Sponsors of water reclamation and reuse projects specifically authorized for funding under Title XVI of P.L. 102-575.	<p>Typically, between \$1 million and \$6 million per applicant.</p> <p>Non-Federal Cost Share: 75% or greater.</p>	<p>The FY 23 and FY 24 Funding Opportunity was posted September 28, 2023.</p> <p>First round closed on December 7, 2023.</p> <p>Second round of applications are due by September 30, 2024.</p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
Title XVI WIIN Act Water Reclamation and Reuse Projects – FY 2023 and 2024	Funding for planning, design, and construction of WIIN Act water recycling and reuse projects	Sponsors of water reclamation and reuse projects with completed feasibility studies that have been submitted to Reclamation for review.	Typically, between \$1 million and \$6 million per applicant. Non-Federal Cost Share: 75% or greater.	The FY 23 and FY 24 Funding Opportunity was posted September 28, 2023. First round closed on December 7, 2023. Second round of applications are due by September 30, 2024.
USBR Large-Scale Water Recycling Projects - FY 2023 and 2024	As part of the implementation of the new Large-Scale Water Recycling Program, Reclamation has identified four stages of project development: planning; 30% design; 100% design; and construction. As each project proposed for funding progresses through those stages, Reclamation will work with the project sponsor to gather and review updated information to ensure that the project meets all statutory and programmatic requirements.	<p>Applicants eligible to receive financial assistance to fund activities under this NOFO include:</p> <ul style="list-style-type: none"> • States, Indian Tribes, municipalities, irrigation districts, water districts, wastewater districts; and any state, regional, or other organization with water or power delivery authority, • State, regional, or local authorities, the members of which include one or more organizations with water or power delivery authority; and • An agency established under State law for the joint exercise of powers, or a combination of entities described above. <p>All applicants must be located in the Western United States; specifically: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming.</p>	<p>Up to \$180 Million. Federal Funding Amount is based on max 25 percent of the total cost of planning, design, and construction completed after the date of Reclamation's feasibility study review findings within three years of the application's submittal period deadline.</p> <p>Non-Federal Cost Share: 75% or greater.</p>	<p>R23AS00433</p> <p>Rolling NOFO will have three submission periods:</p> <p>First round closed on November 21, 2023;</p> <p>Second round of applications are due March 29, 2024;</p> <p>Final round of applications are due September 30, 2024.</p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Desalination Construction Projects Under the WIIN Act - FY 2023 and 2024	<p>The objective of this Notice of Funding Opportunity (NOFO) is to invite sponsors of eligible seawater and brackish water desalination projects to request cost-shared funding for planning, design, and/or construction of those projects. The NOFO is issued under the authority of the Water Desalination Act of 1996, Public Law (P.L.) 104-298, as amended by section 4009(a) of Title II, Subtitle J of the Water Infrastructure Improvements for the Nation (WIIN) Act, P.L. 114-322. The DOI WaterSMART (Sustain and Manage America's Resources for Tomorrow) Program provides a framework for Federal leadership and assistance to stretch and secure water supplies for future generations in support of the Department's priorities.</p>	<p>Sponsors of seawater or brackish water desalination projects eligible to receive financial assistance to fund activities under this NOFO include state or local sponsors, which may include but is not limited to:</p> <ul style="list-style-type: none"> • States, Indian Tribes, municipalities, irrigation districts, water districts, wastewater districts; and any state, regional, or other organization with water or power delivery authority, • State, regional, or local authorities, the members of which include one or more organizations with water or power delivery authority; and • An agency established under State law for the joint exercise of powers, or a combination of entities described above. <p>All applicants must be located in the Western United States; specifically: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming.</p>	<p>Up to \$30 Million. Federal Funding Amount is based on max 25 percent of the total cost of planning, design, and construction completed after the date of Reclamation's feasibility study review findings within three years of the application's submittal period deadline.</p> <p>Non-Federal Cost Share: 75% or greater.</p>	<p>This is a Rolling NOFO and will remain open until September 30, 2024, with two application submittal periods. Due date for applications:</p> <p>First Application Submittal Period due date was December 7, 2023.</p> <p>First round of applications closed on December 7, 2023.</p> <p>Second and Final Application Submittal Period due date is September 30, 2024, 4:00 p.m. MDT.</p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
USEPA Water and Infrastructure Finance and Innovation Act (WIFIA) Program	<p>Wastewater conveyance and treatment projects</p> <p>Drinking water treatment and distribution projects</p> <p>Enhanced energy efficiency projects at drinking water and wastewater facilities</p> <p>Desalination, aquifer recharge and water recycling projects</p>	<p>Local, state, tribal and federal government entities</p> <p>Partnerships and joint ventures</p> <p>Corporations and trusts</p> <p>CWSRF and DWSRF programs</p>	<p>\$20M minimum project size for large communities</p> <p>\$5M minimum project size for small communities (<25,000)</p>	<p>Funding available now</p> <p>49%maximum portion of eligible project costs that WIFIA can fund</p> <p>EPA announces WIFIA funding availability and application process details in the Federal Register and on its website (www.epa.gov/wifia)</p> <p>NEPA, Davis-Bacon, American Iron and Steel and all federal crosscutter provisions apply.</p> <p>Includes acquisition of property if it is integral to the project or will mitigate the environ. impact of a project.</p>

(1) The Summary of Funding Opportunities for local, State and Federal is not an exhaustive recycled water opportunities and welcome any input from the WateReuse membership to add additional opportunities from other organizations.

LA Chapter Updates

- Communications Chair:
Oliver Slosser
oslosser@lvmwd.com
- Rising Professionals Committee Chair:
Seto Cherchian
Scherchian@BrwnCald.com
- Technical Topics Chair:
Alex Franchi
alex.franchi@aecom.com
- Meeting Summary - October 2023
 - *Thank you Karina Gonzalez, LA Sanitation & Environment*
- Volunteer Opportunity
 - Leg/Reg Updates
 - Technical Topics

Member Agency Roundtable

Technical Topic Suggestions

- Advanced Treatment Facility projects, PFAs, new regulations, climate resiliency, new/emerging technologies.
- Complying with IPR/DPR regulations
- Digital application in Water Reuse
- DPR related effort
- Interested in touring the Glendale Water Reclamation Plant
- IPR/DPR
- LA BOE stormwater reuse projects