

**THANK YOU FOR JOINING US**

**WaterReuse Orange County  
Chapter Meeting**

**WILL BEGIN SHORTLY**

# Agenda

- ▶ **Networking & Social Session** – 11:30 AM
- ▶ **Call to order** – 12:00 PM
- ▶ **Welcome:** Scott Lynch, Chapter President
- ▶ **Presentations**
  - **Michelson Water Recycling Plant and Biosolids Facility Overview**
    - Jose Zepeda, Director of Water and Recycling Operations, IRWD
  - **North San Diego Water Reuse Coalition**
    - Rosalyn Prickett, Principal, Rincon Consultants
- ▶ **Standing Items**
  - Regulatory Updates: DDW/OCHCA
  - Legislative and Regulatory Matters:
  - Potential Funding for Projects
- ▶ **Conferences/Webcasts**
- ▶ **2024 WaterReuse California Conference Update**
- ▶ **Other Announcements/Discussion Items**
- ▶ **Roundtable: What's Going On - All**
- ▶ **Adjournment**
- ▶ **Michelson Site Tour**





Irvine Ranch  
Water District

# WELCOME WATERREUSE – OC

Michelson WRP and Biosolids  
Facility Overview Presentation  
& Plant Tour

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APRIL 18, 2024



# PRESENTATION AGENDA

- About IRWD
- Michelson WRP Process Overview
  - Sewage & RW Treatment
  - Biosolids
- Questions




# ABOUT IRWD

A not-for-profit local public agency serving residents and businesses throughout central Orange County.

Established in 1961 to provide water to area agriculture, etc.


Overseen by a publicly elected Board of Directors who live in the District

 **181 square miles**  
20% of Orange County



## Serving all or parts of:

- Irvine
- Lake Forest
- Newport Beach
- Tustin
- Costa Mesa
- Orange
- Unincorporated Orange County

 **122,000**  
Service connections

**465,000**

Residents served

**600,000**

Daytime population served

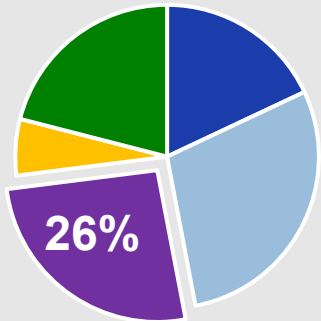




# SEWAGE & RECYCLED WATER TREATMENT

## PRODUCTION

Two water-recycling plants:  
Irvine and Lake Forest  
25 million gallons a day  
26% of our local water  
supply

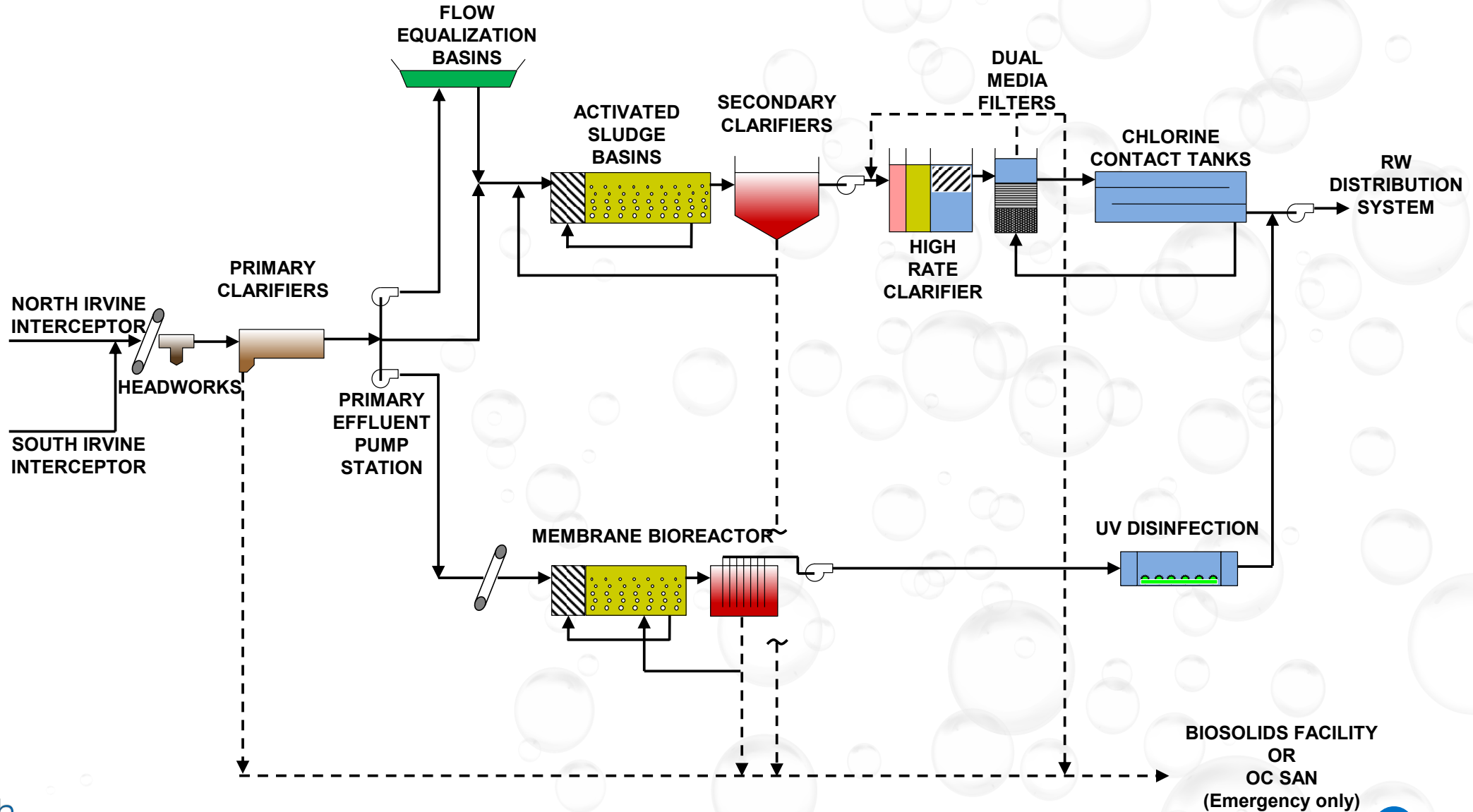


## DISTRIBUTION

547 miles of  
**purple pipe** keeps  
recycled water separate  
from drinking water  
5,500 customer  
connections

# MICHELSON WATER RECYCLING PLANT TREATMENT PROCESSES

- HEADWORKS
- PRIMARY CLARIFIERS
- AERATIONS BASINS
- SECONDARY CLARIFIERS
- TERTIARY FILTERS
- CHLORINE CONTACT TANK
- MBR/UV
- RW PUMP STATION



# HEADWORKS

- Influent sewage passing through mechanical screens that remove large inorganic material.
- Grit, sand, rocks, and other materials are also removed to prevent damage to pumps and other equipment in the treatment plant.





# PRIMARY CLARIFIERS

- Primary sedimentation tanks are used for to settle solids/sludge while grease and oils float to the surface and are skimmed off.
- Primary Effluent flow sent to one of two Secondary Treatment processes; The Membrane Bioreactor (MBR) or Conventional Activated Sludge (CAS).



# SECONDARY TREATMENT PROCESS

- Conventional Activated Sludge (CAS) secondary treatment is used to remove organic matter from the water.
- Aeration basins provide oxygen to sustain the microorganisms in the treatment process.





# SECONDARY TREATMENT PROCESS (CONT'D)

- Secondary clarifiers are used to settle out and separate the suspended solids from the water.
- This process produces secondary treated water prior to the final tertiary filtration treatment process.





# CLARIFIER, FILTER, DISINFECTION, DISTRIBUTION



## CIRCULAR CLARIFIER

Secondary clarifiers are used to settle out and separate the suspended solids from the water.



## DUAL MEDIA FILTER

Dual media filtration is used to remove residual suspended matter.



## CHLORINE CONTACT

Disinfection for the CAS system flow stream is achieved by adding sodium hypochlorite and maintaining the required contact time to kill bacteria and viruses.



## FINAL OUTFLOW PIPE

16 hours later, it gets distributed through this 36-inch purple pipe.

# MEMBRANE BIOREACTOR (MBR) TREATMENT PROCESS

- MBR is a sewage treatment process that uses a suspended growth bioreactor coupled with a membrane filtration process.
- Microfilter technology is used to produce high-quality water that can be disinfected without further treatment.



# ULTRAVIOLET DISINFECTION (UV) PROCESS

- UV disinfection deactivates bacteria and viruses.
- Coupled with (UV) disinfection both MBR and UV treatment provide an advanced treatment process that provide improved effluent water quality, reliability, and reduces chemical use.

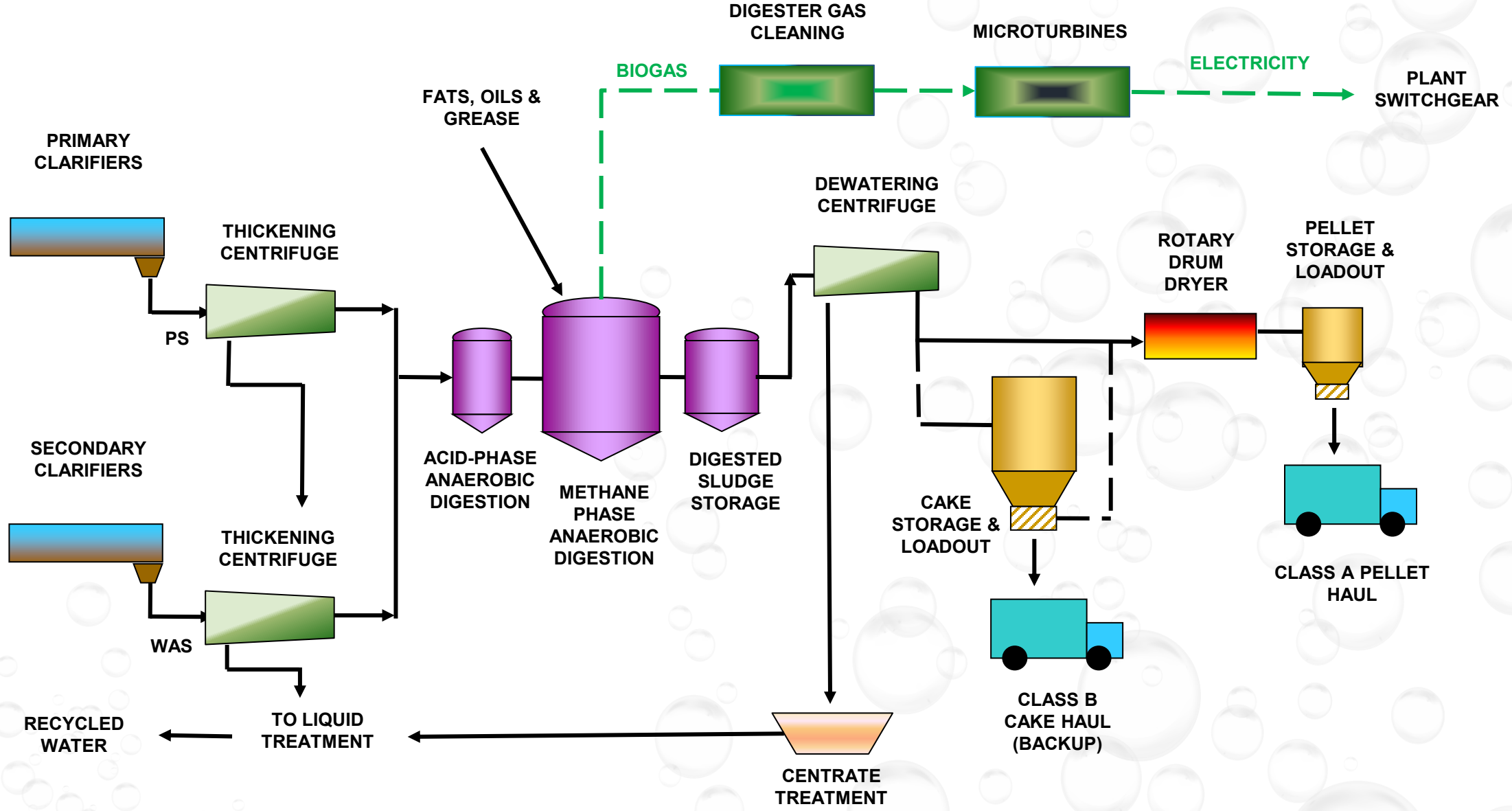




# BIOSOLIDS FACILITY PROCESS OVERVIEW



# MWRP BIOSOLIDS PROCESS FLOW DIAGRAM



# #1: SLUDGE CONVEYANCE & SLUDGE THICKENING

- Primary Sludge & Waste Activated Sludge (WAS) from MWRP is pumped to the facility
- Sludge is screened to remove inorganic solids
- Centrifuges (4) are used to thicken the sludge
- Thickened sludge is discharged into a wet-well.
- Thickened sludge is then pumped to the digesters.





## #2: DIGESTION

- Thickened sludge is pumped to a two-phase anaerobic digestion process.
- The digestion process stabilizes organic matter and reduces pathogens and odors.
- The acid phase digestion is characterized by low hydraulic retention time, acidic pH, and high volatile acids concentration.
- Volatile acid-producing organisms (acidogenic and acetogenic bacteria), sulfate-reducing bacteria, and hydrogen-consuming methanogens are capable of thriving under the conditions prevalent in the acid phase.
- The methane phase digestion is characterized by high hydraulic retention time (12-20 days), neutral pH (7.0-7.2), intermediate/partial alkalinity (0.3-0.5), and stable temperature (98-103°F)
- Methane-forming organisms (methanogens) convert acetic acid, ammonia, hydrogen, and bicarbonate into methane and carbon dioxide.



# #3 DEWATERING

- After digestion, the sludge is dewatered using centrifuges (3) that yield a product that is 25% dry solids
- This treated product is referred to as a Class B biosolid (cake) and regulated by U.S. EPA Part 503 Biosolids Rule
- The Class B dewatered product can be further treated by our Heat Dryer to an exceptional quality (EQ) biosolid, classified as a Class A biosolid





## #4: HEAT DRYER PROCESS

- A rotary drum dryer is used to convert the Class B biosolid into sanitized pellets that are 92% dry.
- This process reduces hauling costs due to reduced volume.
- Turns sewer sludge into an exceptional quality Class A fertilizer and closes the loop on sustainable sewer management





## #5: ENERGY RECOVERY

- The methane gas produced from the digestion process is treated by a gas conditioning system to improve the gas quality for use as a fuel source.
- Five 200-kilowatt microturbines use the gas to produce electricity to power the biosolids facility and offset energy costs.



# QUESTIONS?



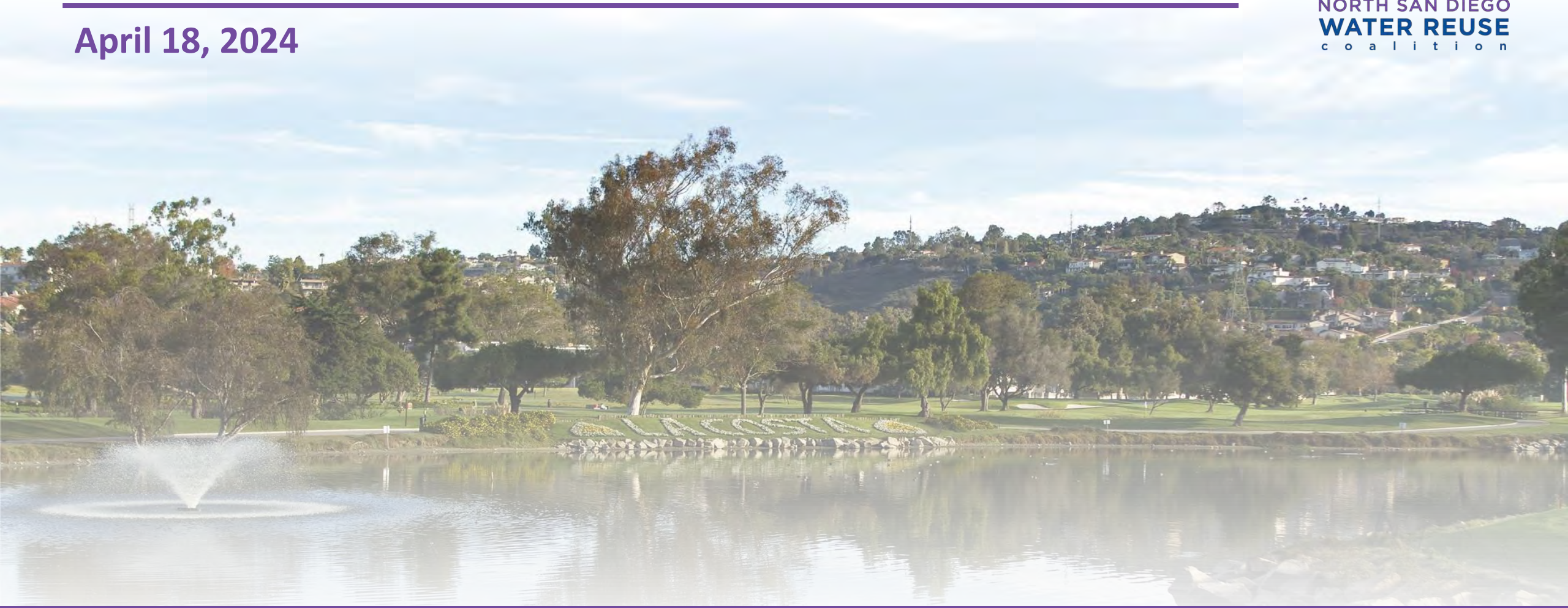


# North San Diego Water Reuse Coalition A Regional Success Story

April 18, 2024



**NORTH SAN DIEGO  
WATER REUSE**  
coalition





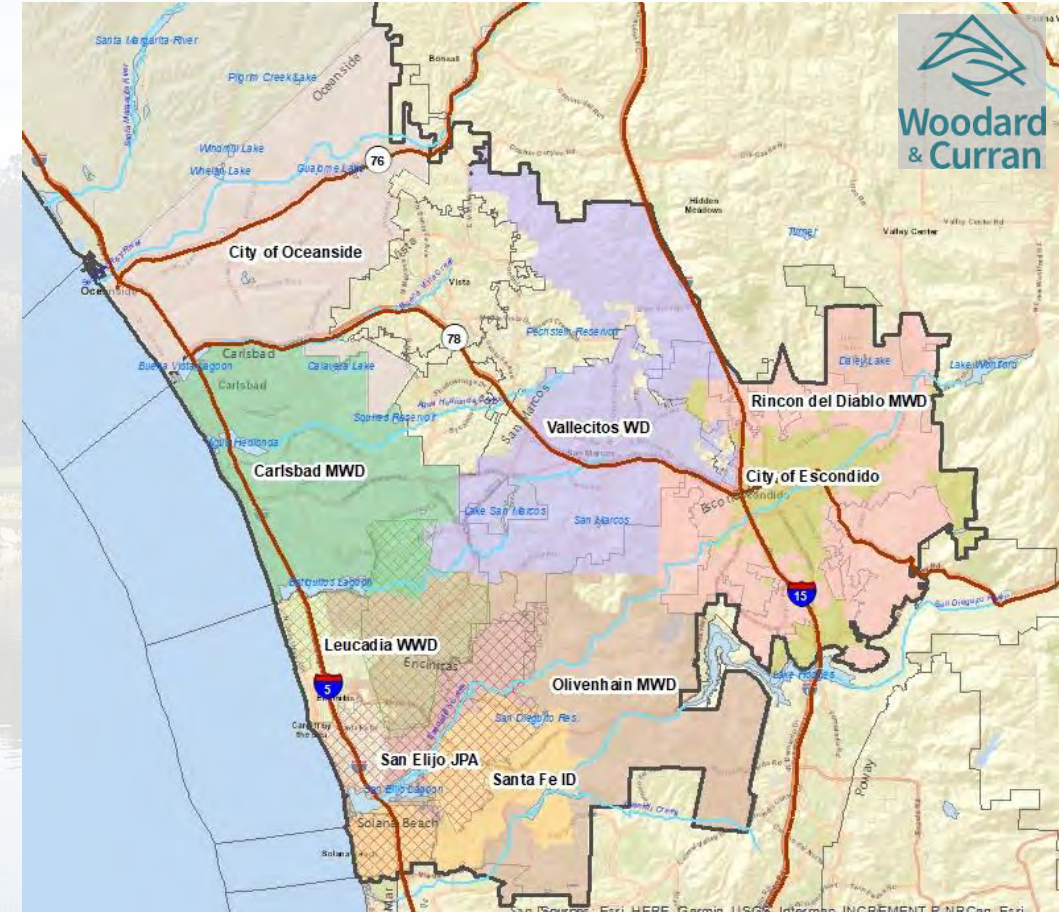
# Who Is The Coalition?



*Key Objective: To combine resources and work together to maximize water reuse for the Coalition members at a level beyond what each member could supply and utilize individually.*

# Using a Regional Approach

- **Combined Service Area:** 306 square miles, 600,000 people
- Spans multiple coastal watersheds in northern San Diego County
- Integrates priorities, needs, and infrastructure of 8 water and wastewater agencies



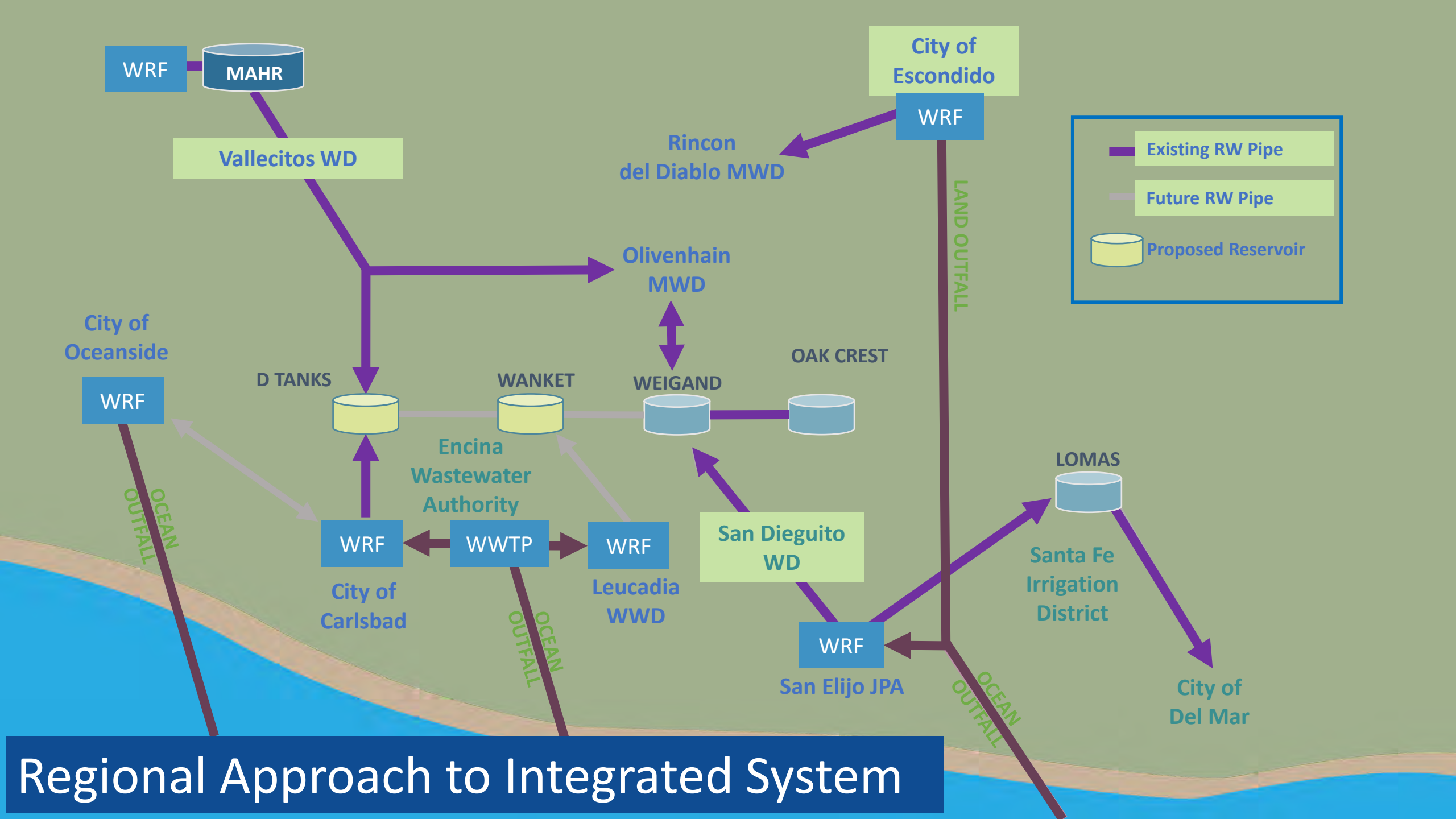


# Using a Regional Approach

- Integrated Wastewater and Recycled Water Systems
- Decentralized Treatment
- Move Recycled Water Supply to Demand
- Local Sustainability and Water Supply Reliability
- Optimize System Costs
- Leverage Regional Partnerships







# Regional Approach to Integrated System

# Overall Project Benefits – Water/Wastewater

- Increase recycled water deliveries by **2,450 AFY**
- Increase recycled water production at existing treatment plants by **6,610 AFY**
- Total additional yield of **9,060 AFY** of recycled water for landscape/agricultural irrigation and industrial uses
- Corresponding **decrease in demand** for imported water supplies from State Water Project and Colorado River Aqueduct
- Corresponding **decrease in wastewater effluent discharge** to Pacific Ocean and precludes need for ocean outfall expansions





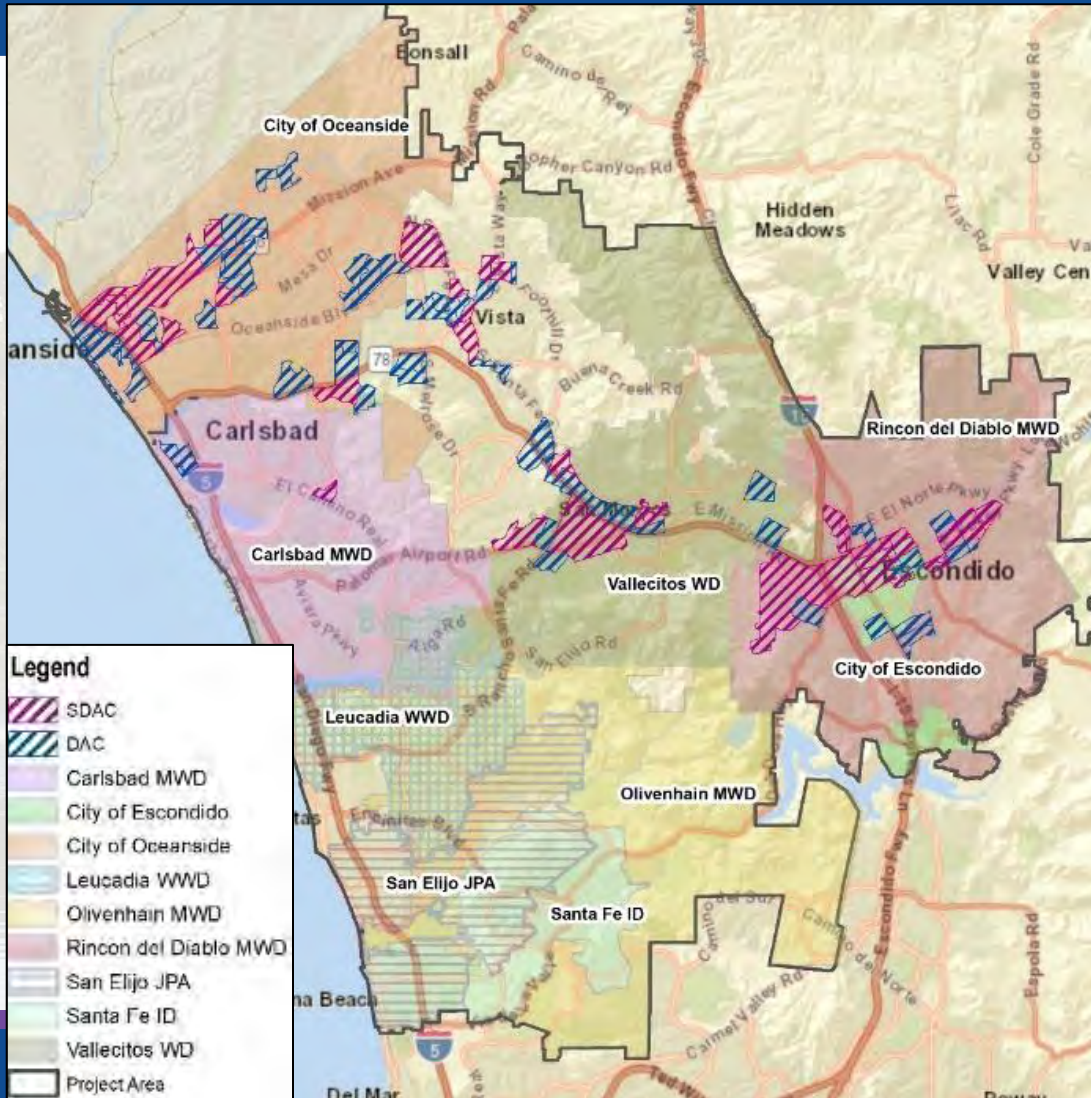
# Overall Project Benefits – Other

- Energy savings of **~1,572,000 kWh/year**
- GHG emissions reduction of **~514 MT CO<sub>2</sub>e/year** (monetized social benefit of \$0.48 million over 30 years)
- **\$14.9 million** in quantifiable water supply reliability benefits
- Supports regional **economy** and regional **tourism**
- Improves **quality of life** and **minimizes utility bills** for ratepayers





# Disadvantaged Community Benefits



- ~9% DAC by geographic area
- Ease demand on potable water supplies for DACs
- Avoid water rate increases associated with new supply development
- Maintain public areas with recycled water to keep spaces green and available



# Project Support

- Batiquitos Lagoon Foundation
- California Special Districts Association, San Diego Chapter
- City of Vista
- County of San Diego Supervisor Bill Horn
- County of San Diego Supervisor Pam Slater-Price (Retired)
- County of San Diego Supervisor Dave Roberts
- Escondido Creek Conservancy
- Encina Wastewater Authority
- Encinitas Union School District
- Flower Fields at Carlsbad Ranch
- Coastal Environmental Rights Foundation
- Boys & Girls Club of Carlsbad
- City of Encinitas
- Ocean Hills Community Association
- San Elijo Lagoon Conservancy
- League of Women Voters, North County San Diego
- Mira Costa College
- Ocean Hills Country Club
- Oceana East I Residents
- Oceana Mission I Residents
- Oceana South I Residents
- Oceana South II Residents
- Oceana South III Residents
- Encina Wastewater Authority
- Encinitas Chamber of Commerce
- Palomar Health
- City of Del Mar
- California Landscape Contractors Association
- Encinitas Ranch Golf Authority
- Mike Levin, 49th District U.S. Representative
- Surf Cup Sports, LLC
- San Diego North Economic Development Council
- Oceanside Chamber of Commerce
- Oceanside Community Association
- San Diego Botanic Garden
- San Diego County Water Authority
- San Elijo Hills Homeowners Association
- San Elijo Lagoon Conservancy
- Scripps Memorial Hospital Encinitas
- Village Creek Homeowners Association
- San Dieguito Water District
- Water Reliability Coalition
- Carlsbad Hi Noon Rotary Club
- City of Solana Beach
- Business Leadership Alliance



NORTH SAN DIEGO  
**WATER REUSE**  
coalition



# Funding Success

GRANT PROGRAM	YEAR	AWARD (\$M)
DWR, IRWM Prop 84, Round 1	2011	\$1.46
DWR, IRWM Prop 84, Round 2	2013	\$3.45
DWR, IRWM Prop 84, Round 4	2015	\$2.50
DWR, IRWM Prop 1, Round 1	2020	\$2.82
DWR, IRWM Prop 1, Round 2	2022	\$3.73
USBR, Title XVI, FY21	2022	\$6.00
USBR, Title XVI, FY22	2023	\$17.83
<i>USBR, Title XVI, FY23</i>	<i>Applied</i>	<i>\$6.07</i>
<b>Grant Total (excludes TXVI FY23)</b>		<b>\$37.79</b>



# Funding Success

Plus additional  
\$9.24M by  
leveraging the  
Coalition story!

GRANT PROGRAM	YEAR	AWARD (\$M)
DWR, IRWM Prop 84, Round 1	2011	\$1.46
DWR, IRWM Prop 84, Round 2 + Carlsbad MWD WRF Expansion	2013	\$3.45 <b>\$4.12</b>
DWR, IRWM Prop 84, Round 4 + Escondido MFRO Facility	2015	\$2.50 <b>\$2.00</b>
DWR, IRWM Prop 1, Round 1 + Oceanside Pure Water	2020	\$2.82 <b>\$3.12</b>
DWR, IRWM Prop 1, Round 2	2022	\$3.73
USBR, Title XVI, FY21	2022	\$6.00
USBR, Title XVI, FY22	2023	\$17.83
<i>USBR, Title XVI, FY23</i>	<i>Applied</i>	<i>\$6.07</i>
<b>Grant Total (excludes TXVI FY23)</b>		<b>\$37.79</b>

# Regional Recycled Water Program

## Carlsbad MWD

- Recycled water pipelines (50,370 LF)
- 1.5 MG steel tank

## City of Escondido

- Improvements to Hale Avenue Resource Recovery Facility to expand recycled water capacity to 12 MGD

## City of Oceanside

- Recycled water pipelines (39,900 LF)
- 2.25 MG pre-stressed concrete tank
- Fire Mountain pump station

## Leucadia WWD

- Secondary effluent force main (850 LF)

## Olivenhain MWD

- Recycled water pipelines (14,105 LF)
- Flow control meters, service laterals, and control valves

## Rincon del Diablo MWD

- Pump stations (2)

## San Elijo JPA

- Recycled water pipelines (11,160 LF)
- 3-MG reservoir rehabilitation
- Booster pump station, surface water pump stations (2)
- Microfiltration and RO treatment (560 AFY)
- Water meters and installation boxes (10)

## Vallecitos WD

- Chlorine contact chamber expansion (6.5 MGD)





# City of Oceanside San Luis Rey WRF

- **Lower Recycled Water System Expansion** (16 miles of pipeline, 2 reservoirs, 3 pump stations)
- **Upper Recycled Water System Expansion** (11 miles of pipeline, 1 reservoir, 2 pump stations)



- Lower Expansion: **1,300 AFY** of recycled water
- Upper Expansion: **2,000 AFY** of recycled water
- In varying stages of design/construction



# City of Oceanside San Luis Rey WRF

- Tertiary treatment system for **non-potable recycled water** users
- Advanced water purification facility for **groundwater replenishment**



- Currently serves **390 AFY** of recycled water
- Project expansion will double recycled water deliveries to **790 AFY**
- Construction completed in **2020**





# Carlsbad MWD Rio Vista HOA

- Irrigation of **HOA landscaping**
- **6.7 miles** of recycled water pipeline



- Converted **7 AFY** of potable demands to recycled water
- Construction completed in **June 2023**

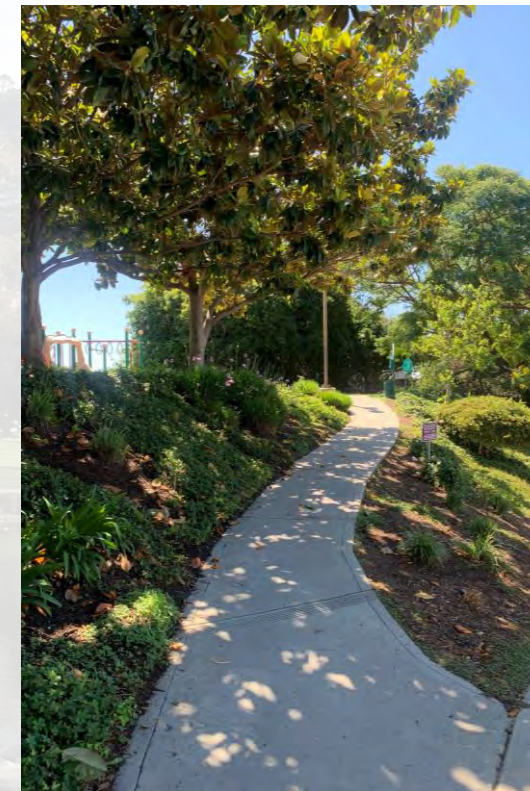


# Carlsbad MWD Tamarack Point Neighborhood

- Irrigation of HOA landscaping and greenbelt areas
- **1.7 miles** of recycled water pipeline



- Converted **47 AFY** of potable demands to recycled water
- Construction completed in **summer 2021**





# San Elijo JPA Encinitas Ranch

- Booster pump station
- **1.5 miles** of recycled water pipeline
- Irrigation of HOA landscaping, 2 agricultural users, and City trail system



- Converted **45 AFY** of potable demands to recycled water
- Construction completed in **2019**






# Federal Environmental Compliance with USBR

- Provided crosswalk of previously-completed CEQA-Plus documentation and consultations
- Prepared supplemental technical studies to fill identified gaps
- Finalized Categorical Exclusion (under “Routine Financial Transactions” category)
- Lessons learned:
  - Communicate often!
  - Lighten USBR staff's workload

Coalition Partner	Components in WIIN Grant Funding Request	Corresponding Components in Feasibility Study	Corresponding Project-Level CEQA Analyses	USFWS Concurrence	Include in New Biological Report	SHPO Concurrence	Include in New Cultural Report	Cleared?
Carlsbad WWD	1. Segment 5 2. Segment 9 3. 1.5 MG steel tank at Tank D site	1-3 – Same as FS	1-3 – Carlsbad Municipal Water District Phase III Recycled Water Project IS/MND, EIA 12-02 (SCH# 2012091049)	1-3 – None needed per SWRCB SRF	None	1-3 – Yes, through SWRCB SRF	None	YES
City of Oceanside	1. Pipeline from San Luis Rey WRF to Mesa Drive Reservoir, and to Eternal Hills & El Camino Country Club 3. Pipeline from Pala Rd. to old Fallbrook Line connection 4. Pipeline in Downtown Oceanside 5. 2.2 MG pre-stressed concrete tank at Fire Mountain Site 6. Pump station at Fire Mountain Site	1-2 – Same as FS 3-4 – Expanded from FS 5-6 – Moved from El Corazon/Eternal Hills in FS	1-3, 5-6 – Addendum No. 3 to the North San Diego Water Reuse Coalition Regional Recycled Water Project PEIR (SCH# 2014081028) for the Upper and Lower San Luis Rey Water Reclamation Facility Recycled Water Conveyance System. 4 – NOE	1-3, 5-6 – Informal ESA through SWRCB SRF 4 – No, on NoPE list (#12)	None	1-2, 5-6 – Yes, through SWRCB SRF 4 – No, on NoPE list (#12)	None	YES
Oliverhain WWD	1. Pipeline from Morgan Run GC RW Meter to Surf Cup Field 2. Pipeline along Manchester Ave. 3. South El Camino Real Main Extension 4. Pipeline extension along Calle Barcelona 5. Pipeline along Via San Clemente 7. Village Park Recreation Club #1 8. Summerhill HOA 9. Rancho Paseana connection & FCM 10. Main Ext. 153 FCM 11. Service laterals 12. Flow meter and control valves 13. 45 Ranch Neighborhood 1 Pump Station	1-12 – Moved from Subregion 3 recycled water pipeline alignments in FS 13 – Expanded from FS	1 – 153A Recycled Water Pipeline Extension IS/MND (SCH#: 2018101042) 2 & 3 – Manchester Avenue Recycled Water Pipeline IS/MND (SCH#: 2019125097) 4 – 12 – N/A 13 – NOE	1 – Informal through C 12 – No, on list (#12)				
Lincolnville WWD	1. Secondary Effluent Force Main – Phase I	1 – Same as FS	N/A	1 – No, on list (#12)				
San Elijo JPA	1. Encinitas Ranch - Paseo de las Flores to Lynwood Dr 2. San Elijo Water Campus piping 3. Quail Gardens Drive 4. Birmingham Drive 5. Service laterals 6. 3 MG reservoir rehabilitation at Encinitas Ranch Golf Course 7. Booster pump station at Encinitas Ranch Golf Course 8. Surface water pump stations 9. Microfiltration and reverse osmosis treatment	1, 3-5 – Moved from Subregion 3 recycled water pipeline alignments in FS 2, 9-10 – Same as FS 6-7 – Moved from Rancho Santa Fe Golf Course in FS 8 – Expanded from FS	1-2, 7, 9 – Recycled Water Pipeline and Facility Upgrades IS/MND (SCH#2016031051) 3-6, 8, 10 – N/A	1-2, 7, 9 – Informal through S 10 – No, on list (#12)				


BUREAU OF RECLAMATION

COPY

**National Environmental Policy Act  
Categorical Exclusion Checklist**

Categorical Exclusion No: 22-SCAD-036-CX  
 DATE: APR 8 2024  
 PROJECT: North San Diego Water Reuse Coalition Regional Recycled Water Program

**NATURE OF ACTION:**  
 Grant agreement no. R22AP00516 provides financial assistance under the Title XVI-WIIN Act Water Reclamation and Reuse authority, amended with Bipartisan Infrastructure Law funds, to the Oliverhain Municipal Water District for planning, design, engineering, environmental, and construction of the North San Diego Water Reuse Coalition Regional Recycled Water Program: 2020 Project. The project includes new pump stations, reservoir storage tanks, pipelines, flow control meters, and associated facilities to increase connectivity and improve recycled water supply delivery across northern San Diego County, California. See attached scope of work.

**EXCLUSION CATEGORY:**  
 43 CFR § 46.210(c) - Routine financial transactions including such things as salaries and expenses, procurement contracts (e.g., in accordance with applicable procedures and Executive Orders for sustainable or green procurement), guarantees, financial assistance, income transfers, audits, fees, bonds, and royalties.

**EVALUATION OF EXCEPTIONS TO ACTIONS WITHIN CATEGORICAL EXCLUSION**

Would the action:	No	Uncertain	Yes
1. Have significant impacts on public health or safety?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Have significant impacts on such natural resources and unique geographic characteristics as historic or cultural resources; park, recreation or refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (Executive Order 11990); floodplains (Executive Order 11888); national monuments; migratory birds; and other ecologically significant or critical areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA section 102(2)(E))?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by either the bureau or office?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Department of the Interior Region 8: Lower Colorado Basin.  
 Bureau of Reclamation, Southern California Area Office  
 Temecula, California



# Takeaways



Interconnections  
on Regional Scale  
Can Maximize  
Benefits



Regional  
Collaboration  
Takes Effort But  
Is Fruitful



Lowered Buy-in  
for Small  
Agencies with  
Big Returns



Good Working  
Relationships  
with Funding  
Entity is Key





NORTH SAN DIEGO  
**WATER REUSE**  
c o a l i t i o n

# Questions?

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Rosalyn Prickett | (760) 930-7671 | [rprickett@rinconconsultants.com](mailto:rprickett@rinconconsultants.com)

Annaliese Torres | (657) 999-8337 | [atorres@rinconconsultants.com](mailto:atorres@rinconconsultants.com)



# Standing Items

## ▶ Legislative and Regulatory Updates

- DDW
- OCHCA
- Claire Johnson, OCWD

## ▶ Potential Funding for Projects (see handout)

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
<b>MWD On-Site Retrofit Program (OSRP) *</b>  *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 <a href="mailto:jarm@mwdh2o.com">jarm@mwdh2o.com</a> <a href="http://www.bewaterwise.com/on-site-retrofit-program.html">http://www.bewaterwise.com/on-site-retrofit-program.html</a>
<b>MWD Local Resource Program (LRP)*</b>  *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"> <li>• Water recycling</li> <li>• Groundwater recovery</li> <li>• Seawater desalination</li> </ul> Three incentive payment options: <ul style="list-style-type: none"> <li>• Sliding scale incentives up to \$340/AF over 25 years,</li> <li>• Sliding scale incentives up to \$475/AF over 15 years, or</li> <li>• Fixed incentive up to \$305/AF over 25 years.</li> </ul>	SOLICITATION OPEN	First come first serve basis starting 7/1 through 6/30 or until funds are exhausted.	Contact: Nadia Hardjadinata Resource Specialist <a href="mailto:nhardjadinata@mwdh2o.com">nhardjadinata@mwdh2o.com</a> <a href="http://www.mwdh2o.com/AboutYourWater/Planning/Funding-Programs/Local-Resource-Program-Funding">http://www.mwdh2o.com/AboutYourWater/Planning/Funding-Programs/Local-Resource-Program-Funding</a>
<b>Water Savings Incentive Program</b>			Open to all commercial, industrial, agricultural, institutional and large Landscape customers	Project examples: <ul style="list-style-type: none"> <li>• Replacement of older, less water-efficient equipment,</li> <li>• Comprehensive changes to industrial processes that reduce water consumption,</li> <li>• Improvements to existing irrigation systems and landscaping to improve water use efficiency.</li> </ul>	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	<b>Commercial Projects:</b> Plumbing Fixtures Landscaping Equipment Food and HVAC Equipment Medical and Dental Equipment <b>Residential Projects:</b> Turf Removal Residential Devices	SOLICITATION OPEN		<a href="https://socalwatersmart.com/en/commercial">https://socalwatersmart.com/en/commercial</a>  <a href="https://socalwatersmart.com/en/residential">https://socalwatersmart.com/en/residential</a>
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"> <li>• treatment systems</li> <li>• distribution systems</li> <li>• interconnections</li> <li>• consolidations</li> <li>• pipeline extensions</li> <li>• water sources</li> <li>• water meters</li> </ul>	<ul style="list-style-type: none"> <li>• Publicly-owned community water systems (e.g., counties, cities, districts)</li> <li>• Privately-owned community water systems (e.g., for-profit water utilities, non-profit mutual water companies)</li> <li>• Non-profit or publicly-owned non-community water systems (e.g., public school districts)</li> <li>• Community water systems created by the project</li> </ul>	SOLICITATION OPEN	Complete and submit an application online through the Financial Assistance Application Submittal Tool (FAAST) at <a href="https://faast.waterboards.ca.gov">https://faast.waterboards.ca.gov</a>	The application is also available on the DWSRF website at: <a href="https://www.waterboards.ca.gov/drinking_water/services/funding/SRF.html">https://www.waterboards.ca.gov/drinking_water/services/funding/SRF.html</a>

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



PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
<b>SWRCB Division of Financial Assistance: Proposition 1 Groundwater Grant Program</b>	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).	<a href="https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/groundwater_sustainability.html">https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/groundwater_sustainability.html</a>
<b>DWR Water Use Efficiency: CalConserve Revolving Fund (Proposition 1)</b>	\$10M	\$10M	Sustainable funding source for urban water use efficiency projects.	Projects including but not limited to: <ul style="list-style-type: none"> <li>• Dish/clothes washer upgrades</li> <li>• Water-saving plumbing fixtures</li> <li>• Hot-water recirculating pumps</li> <li>• Leak detection &amp; repair</li> <li>• Landscape irrigation upgrades</li> <li>• Commercial, institutional, and industrial water efficiency</li> </ul>	Solicitation Open. Proposals accepted through GRanTS application	Continuously	<ul style="list-style-type: none"> <li>• \$1.75 million is to be loaned out for water use efficiency upgrades</li> <li>• \$5 million is to be loaned out for fixing expensive and difficult to repair customer leaks</li> </ul>
<b>DWR IRWM Grant Program Implementation Grant (Proposition 1, Round 2)</b>	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"> <li>• Water reuse &amp; recycling</li> <li>• Water conservation</li> <li>• Surface storage/GW recharge</li> <li>• Conjunctive use</li> <li>• Water conveyance</li> <li>• Watershed restoration and protection</li> <li>• SW resource management</li> <li>• Desalination</li> <li>• WQ improvements</li> </ul>	SOLICITATION CLOSED		See link below for website:  <a href="https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1">https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1</a>

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"> <li>• Development of an IRWM plan that meets the IRWM Plan Standards</li> <li>• Compliance with recent legislation</li> <li>• Improvement of an existing IRWM plan.</li> </ul>	SOLICITATION CLOSED		See link below for website: <a href="https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1">https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1</a>
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"> <li>• Projects that support immediate drought response</li> <li>• 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</li> <li>• Drought resilience planning</li> <li>• Water conservation activities,</li> <li>• Turf replacement with drought tolerant landscaping <ul style="list-style-type: none"> <li>• Hauled water</li> <li>• Installation of temporary or permanent community water tanks</li> <li>• Bottled water</li> </ul> </li> </ul>	SOLICITATION CLOSED	Applications were due on 1/31/2023 electronically via GRanTS.	<a href="#">Final 2022 Urban Community Drought Relief GL/PSP (ca.gov)</a>



PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
	Relief Program			<ul style="list-style-type: none"> <li>Water vending machines</li> <li>Emergency water interties</li> <li>New wells or rehabilitation of existing wells</li> <li>Construction of permanent connection to adjacent water systems, RW projects that provide immediate relief to potable water supplies projects that support immediate drought response</li> <li>Fish and wildlife rescue, protection, and relocation</li> </ul>			
<b>Integrated Climate Adaptation and Resiliency Program</b>  <b>Regional Resilience Grant Round 1</b>  <b>Governor's Office of Planning and Research</b>	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	<b>Planning Grants</b> 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. <b>Implementation Grants</b> 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 – RRGPs Intent Survey were due on 8/29/2023 and Phase 2 – Full Application were due on 8/29/2023	RRGPs contact (916) 720-4439 <a href="mailto:icarp.grants@opr.ca.gov">icarp.grants@opr.ca.gov</a>  Or Dolores Barajas <a href="mailto:Dolores.barajas@opr.ca.gov">Dolores.barajas@opr.ca.gov</a>  <a href="https://www.opr.ca.gov/climate/icarp/grants/regional-resilience-grant.html">https://www.opr.ca.gov/climate/icarp/grants/regional-resilience-grant.html</a>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>WaterSMART Grants</b> <b>Drought Response Program</b>  <b>Drought Resiliency Projects</b>	Purpose: Funding for on-the-ground projects and modeling tools that will increase water reliability and improve water management.	<b>Category A Applicants:</b> States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. <b>Category B Applicants:</b> 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").	<b>Funding Group I:</b> Up to \$500,000 per agreement for smaller, on-the-ground projects that should be completed within 2 years.  <b>Funding Group II:</b> 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 posted</u> on grants.gov.  For more information: <a href="https://www.grants.gov/web/grants/view-opportunity.html?oppld=335035">https://www.grants.gov/web/grants/view-opportunity.html?oppld=335035</a>  <b>Closed on November 7, 2023</b>
<b>WaterSMART Grants</b>  <b>Water and Energy Efficiency Grants</b>	Purpose: On-the-ground water management improvement projects, including projects that conserve water and address water supply reliability.	<b>Category A Applicants:</b> States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. <b>Category B Applicants:</b> 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").	<b>Funding Group I:</b> Up to \$500,000 per agreement for smaller, on-the-ground projects that should be completed within 2 years.  <b>Funding Group II:</b> 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: <a href="https://www.grants.gov/web/grants/view-opportunity.html?oppld=335103">https://www.grants.gov/web/grants/view-opportunity.html?oppld=335103</a>  <b>Closed on July 27, 2022.</b>



PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>WaterSMART Grants</b>  <b>Small-Scale Water Efficiency Projects</b>	Purpose: To support small water efficiency improvements that have been identified through previous planning efforts.	<b>Category A Applicants:</b> States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. <b>Category B Applicants:</b> 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.  <b>The first round for FY24 funding closed on January 16, 2024.</b>
<b>WaterSMART Grants – FY 2023</b>  <b>Water Strategy Grants</b>	Purpose: Planning activities to develop water marketing strategies that establish or expand water markets or water marketing activities between willing participants.	<b>Category A Applicants:</b> States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. <b>Category B Applicants:</b> 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  <b>Closed on October 17, 2023.</b>



PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>WaterSMART Grants – FY 2024</b>  <b>Environmental Water Resources Projects</b>	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.	<b>Category A Applicants:</b> States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority. <b>Category B Applicants:</b> 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.  <b>The FY24 Funding Opportunity is anticipated Early April 2024.</b>  For more information: <a href="https://www.usbr.gov/watersmart/ewrp/index.html">https://www.usbr.gov/watersmart/ewrp/index.html</a>
<b>WaterSMART Grants – FY 2023</b>  <b>Applied Science Grants</b>	<b>Phase I</b> 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.  <b>Selections are expected mid-April 2024.</b>



PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>WaterSMART Grants FY 2023/24</b>  <b>Cooperative Watershed Management Program – Phase I</b>	<b>Phase I</b> 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. <b>Second round of applications are due by September 4, 2024.</b>
<b>WaterSMART Grants – FY 2023</b>  <b>Desalination and Water Purification Research Program</b>	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 <a href="http://www.grants.gov">www.grants.gov</a> and search for funding opportunity number R23AS00390.  <b>Closed on November 15, 2023.</b>
<b>WaterSMART Grants – FY 2024</b>  <b>Small Storage Program</b>	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.  <b>Reclamation continues to accept feasibility study submissions at any time from eligible non-Federal entities.</b>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<p><b>WaterSMART Grants – FY 2023 and FY 2024</b></p> <p><b>Water Conservation Field Services Program</b></p>	<p>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.</p>	<p>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.</p>	<p>The Federal cost share is 50 percent of the total cost and up to \$100,000 per entity.</p>	<p>For more information regarding the Water Conservation Field Services Program, please contact Sheri Looper at 303-445-2232 or <a href="mailto:slooper@usbr.gov">slooper@usbr.gov</a>. Or you may contact your regional contact:</p> <p>Columbia-Pacific Northwest: Leah Meeks, (208) 378-5025, <a href="mailto:lmeeks@usbr.gov">lmeeks@usbr.gov</a>  Lower Colorado Basin: Ken Isakson, (702) 293-8537, <a href="mailto:kisakson@usbr.gov">kisakson@usbr.gov</a>  Missouri Basin: Denis Kelsch, (406)247-7664, <a href="mailto:dkelsch@usbr.gov">dkelsch@usbr.gov</a>  Upper Colorado Basin: Gary McRae, (801) 524-3656, <a href="mailto:gmcrae@usbr.gov">gmcrae@usbr.gov</a></p> <p><b>2<sup>nd</sup> Closing Date was June 1, 2023 for FY 2023 proposal</b></p> <p><b>Closed on October 13, 2023 for FY 2023 proposals</b></p>



<p><b>WaterSMART Grants – FY 2023 and FY 2024</b></p> <p><b>Planning and Project Design Grants</b></p>	<p>Through Planning and Project Design Grants, Reclamation provides funding for collaborative planning and design projects to support water management improvements. This includes funding for: (1) Water Strategy Grants to conduct planning activities to improve water supplies (2) Project Design Grants to conduct project-specific design for projects to improve water management; and (3) comprehensive Drought Contingency Plans. Note that funding to develop a water marketing strategy – formerly funded through Water Marketing Strategy Grants, a stand-alone funding opportunity under WaterSMART - is now available through (1) Water Strategy Grants.</p>	<p><u>Water Strategy Grants and Project Design Grants</u></p> <p>States, Tribes, irrigation districts, and water districts; State, regional, or local authorities, the members of which include one or more organizations with water or power delivery authority; and other organizations with water or power delivery authority.</p> <p>Nonprofit conservation organizations that are acting in partnership with, and with the agreement of, an entity described above.</p> <p><u>Drought Contingency Planning</u></p> <p>A State, Tribe, irrigation district, water district, or other organization with water or power delivery</p>	<p>0 percent, 25 percent or 50 percent, depending on the project type.</p> <p>Up to \$400,000 per application for projects that can be completed within 3 years.</p> <p>Approximately \$35,000,000 is available under this program. Approximately 60-70 projects, contingent on appropriations.</p>	<p>This NOFO covers two application submittal periods.</p> <p>Proposals received prior before Tuesday, October 17, 2023, at 4:00 p.m. Mountain Daylight Savings Time will be considered for FY 2023 funding.</p> <p><b>Proposals received after October 17, 2023 and before May 21, 2024, at 4:00 p.m.</b> Mountain Daylight Savings Time will be considered for FY 2024 funding, contingent on appropriations.</p>
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PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<p><b>Planning and Project Design Grants</b></p> <p>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.</p>	<p>Collaborative planning and design projects to support water management improvements, include the following activities:</p> <p>Water Strategy Grants (WSG): Planning projects to support water management solutions, such as water marketing, water conservation, drought resilience, and ecological resilience</p> <p>Project Design Grants (PDG): Projects to develop the final design of on-the-ground water management construction and restoration projects.</p> <p>Drought Contingency Planning (DCP): Projects to develop a new or update an existing Drought Contingency Plan.</p>	<p>Category A Applicants: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority.</p> <p>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.</p> <p>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.</p>	<p>Up to \$400,000 for projects that can be completed within 3 years.</p> <p>Non-Federal Cost Share: 25 - 50%</p>	<p>The FY23 Funding Opportunity was posted August 7, 2023.</p> <p>The first round of applications were due October 17, 2023 and are currently under review. Selections are expected March 2024.</p> <p><b>The second round of applications are due April 4, 2024.</b></p>



PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>Title XVI Water Recycling and Desalination Planning</b>	<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"> <li>• The development of new water recycling and desalination feasibility studies.</li> <li>• Planning and preliminary design activities for water recycling or desalination construction projects.</li> <li>• Environmental compliance activities for water recycling or desalination construction projects</li> </ul>	<p><b>Funding Group I:</b> 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><b>Funding Group II:</b> 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 <a href="http://www.grants.gov">www.grants.gov</a> and search for funding opportunity number R23AS00076.</p>
<b>Title XVI Congressional Authorized Projects – FY 2023 and 2024</b>	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><b>Second round of applications are due by September 30, 2024.</b></p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>Title XVI WIIN Act Water Reclamation and Reuse Projects – FY 2023 and 2024</b>	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. <b>Second round of applications are due by September 30, 2024.</b>
<b>USBR Large-Scale Water Recycling Projects - FY 2023 and 2024</b>	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.	Applicants eligible to receive financial assistance to fund activities under this NOFO include:  <ul style="list-style-type: none"> <li>• States, Indian Tribes, municipalities, irrigation districts, water districts, wastewater districts; and any state, regional, or other organization with water or power delivery authority,</li> <li>• State, regional, or local authorities, the members of which include one or more organizations with water or power delivery authority; and</li> <li>• An agency established under State law for the joint exercise of powers, or a combination of entities described above.</li> </ul> <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>	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.  Non-Federal Cost Share: 75% or greater.	R23AS00433  Rolling NOFO will have three submission periods:  First round closed on November 21, 2023;  <b>Second round due March 29, 2024;</b>  <b>Final round of applications are due September 30, 2024.</b>



PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>WaterSMART Desalination Construction Projects Under the WIIN Act - FY 2023 and 2024</b>	<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"> <li>• States, Indian Tribes, municipalities, irrigation districts, water districts, wastewater districts; and any state, regional, or other organization with water or power delivery authority,</li> <li>• State, regional, or local authorities, the members of which include one or more organizations with water or power delivery authority; and</li> <li>• An agency established under State law for the joint exercise of powers, or a combination of entities described above.</li> </ul> <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><b>First round of applications closed on December 7, 2023.</b></p> <p><b>Second and Final Application Submittal Period due date is September 30, 2024, 4:00 p.m. MDT.</b></p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<b>USEPA Water and Infrastructure Finance and Innovation Act (WIFIA) Program</b>	<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 (&lt;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 (<a href="http://www.epa.gov/wifia">www.epa.gov/wifia</a>)</p> <p>NEPA, Davis-Bacon, American Iron and Steel and all federal crosscut 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 WaterReuse membership to add additional opportunities from other organizations.



# 2024 WateReuse California Conference Update

- ▶ September 15-17, 2024
  - Hyatt Regency, Garden Grove
- ▶ Call for abstracts:
  - Deadline: Friday, June 14
- ▶ Early Bird registration:
  - April 15 - June 26

**Interested in helping?**

**Contact**

Scott Lynch: [SLynch@JCSD.US](mailto:SLynch@JCSD.US)

Hannah Ford: [hford@etwd.com](mailto:hford@etwd.com)



# Upcoming Conferences, Webcasts & Meetings

- **WRAZ Webcast** Water Reuse and Small-Scale Water Treatment for Remote Communities  
April 18 | 10:30 PST
- **2024 WaterReuse Arizona Symposium** | July 28 - 30 | Flagstaff
- **2024 WaterReuse California Conference** | September 15 - 17 | Garden Grove
- **2024 Industrial & Commercial Water Reuse Conference** | November 19 - 21 | Indian Wells

## Upcoming OC Chapter Meetings:

- **June** – Carollo (TBD)
- **Aug.** – B&V with MNWD (TBD)
- **Oct. 8<sup>th</sup>** – Aquarium of the Pacific

*See [www.watereuse.org](http://www.watereuse.org) to register and for more information*



## ➤ Other Announcements

### ➤ Meeting hosts for 2024

- Jun 20 – Carollo
- Aug – B&V with MNWD
- Oct. 8th – Aquarium of the Pacific
- Dec – TBD
- 2025 – Now open

➤ Email Kraig Erickson: [kerickson@woodardcurran.com](mailto:kerickson@woodardcurran.com)

## ➤ Discussion Items

## ➤ Roundtable: What's going on?

THANK YOU

Meeting Adjourned