

THANK YOU FOR JOINING US

**WaterReuse Orange County
Chapter Meeting**

WILL BEGIN SHORTLY

Agenda

- ▶ **Call to order** – 12:00 PM
- ▶ **Welcome:** Scott Lynch, Chapter President
- ▶ **Standing Items**
 - State Section Update: Joone Lopez, MNWD
 - Regulatory Updates: DDW/OCHCA
 - Legislative and Regulatory Matters:
 - Alicia Dunkin, OCWD
 - Claire Johnson, OCWD
 - Potential Funding for Projects
- ▶ **Conferences/Webcasts**
- ▶ **Other Announcements / Discussion Items**
 - **6/22: OCWA Emerging Professionals Summer Solstice Event**
 - **Request for WRA Conference volunteers**
 - **Poster for WRA Conference**
 - **Other announcements**
- ▶ **Panel Topic: Integration of Stormwater & Dry-weather Runoff into Water Reuse**
 - **Summary Overview of Projects**
 - Amanda Carr, Deputy Director of Environmental Resources at OC Public Works
 - Amber Baylor, Director of Environmental Compliance at SOCWA
 - Lan Wiborg, Director of Environmental Services at OC San
 - **Panel Discussion and Q&A**
- ▶ **Adjournment**

Have a question?

Select the “Raise Hand” button or
select *6 on your telephone

We will get to your questions after each presenter.

Standing Items

- ▶ **State Section Update**

- Joone Lopez, MNWD

- ▶ **Regulatory Updates**

- DDW

- OCHCA

- ▶ **Legislative and Regulatory Matters**

- Alicia Dunkin, OCWD (Legislative)

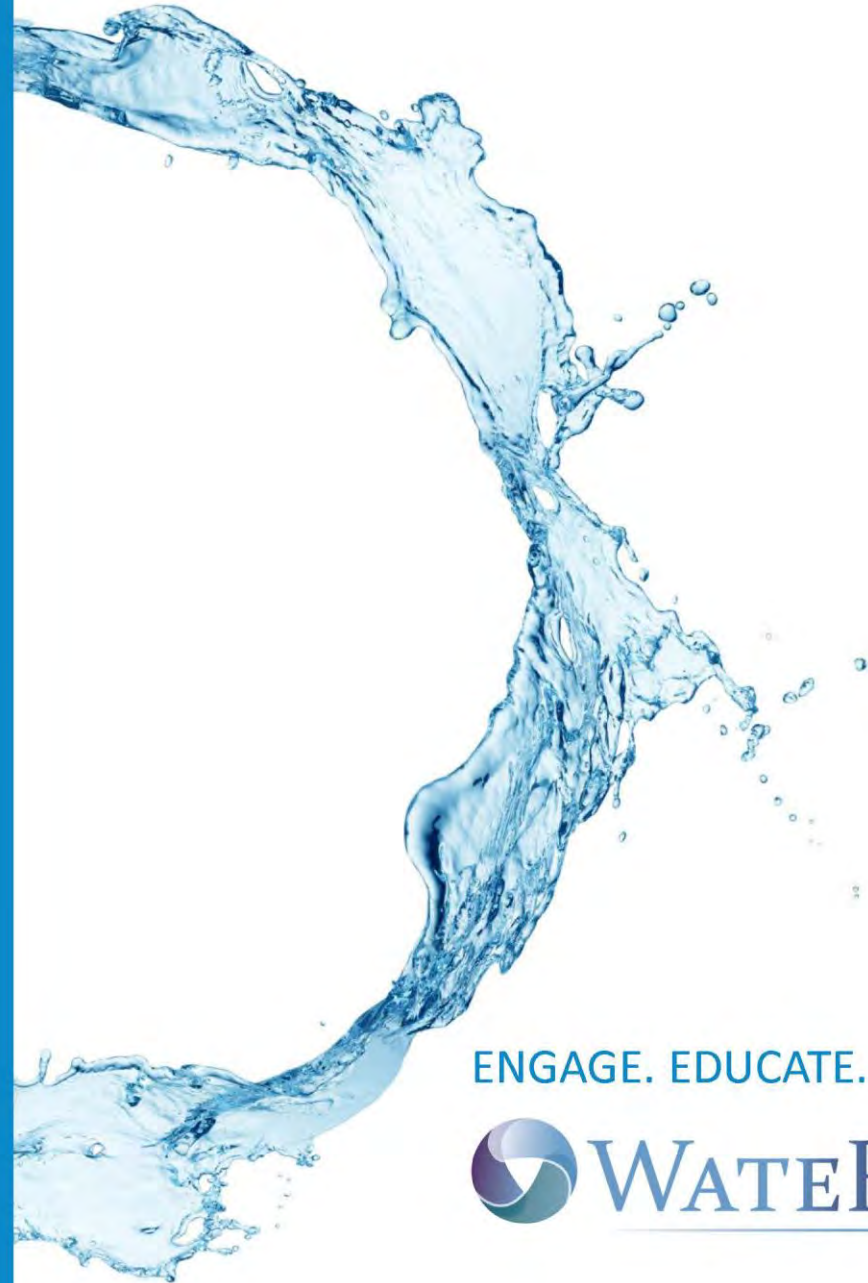
- Claire Johnson, OCWD (Regulatory)

- ▶ **Potential Funding for Projects**

LEGISLATIVE AND REGULATORY UPDATE

Rosario Cortés
Manager of Regulatory Affairs
WaterReuse California

Wednesday, May 24, 2023



ENGAGE. EDUCATE. ADVOCATE.



State Budget

- California's Budget deficit for 2023/24 budget estimated budget deficit has grown by \$9 billion since January
 - [May Revision](#) "[May Revise](#)" will shed more light
 - [The Governor](#) released the May Revision on May 12
- May Revise proposes to shift the \$270 million for recycled water
 - General Fund shifts across [climate resilience programs](#), including recycled water
 - To be included as part of the future climate bond proposal
- Budget now contains \$2 million [previously \$7 million] for DWR to conduct a study on the impacts of the 2030 indoor water use standard (42 GPCD) on water, recycled water, water and wastewater



Recycled Water & the May Revise*

Funding Category	Total Proposed 2021-24	Amount Appropriated to date: (year)	Governor's PROPOSED January Budget 2023-24	May Revise *proposes to move all RW \$ to bond
Competitive Statewide Recycled Water Grant Program	\$315 Million	\$215 Million (2021-2022)	\$100 Million	\$0
Competitive Statewide Recycled Water for Potable Reuse	\$210 Million	\$0	\$170 million [\$40 million cut]	\$0
Statewide Totals	\$525 Million (\$485 Million 2021-2024)		\$270 Million	\$0



Budget Trailer Bill: New Proposed Recycled Water Fee

- Budget Trailer Bill (BTB) was briefly heard in March the Senate Subcommittee 2 on Resources, Environmental Protection and Energy
- This was heard in April in the Assembly Subcommittee 3 Climate Crisis, Resources, Energy, and Transportation
 - [Water Recycling Project Fees](#)
- BTB grants authority for a new \$6 million recycled water fee
- Assuming it passes, stakeholder process to work out details in spring 2023
- Proposes this staffing:
 - Primarily Regional Board staff and 4 Division of Water Quality/2 Division of Drinking Water
 - 19 positions (23/24)
 - 28 positions (24/25 and moving forward)
- [WRCA submitted a comment letter on March 9, 2023](#)



State Legislature

- June will see:
 - A sprint for each house to pass bills introduced in that house known as “House of Origin” deadline which looms on June 2
 - And then in the second house will go through the committee process all over again
 - Passing of a State Budget
- [Legislative calendar](#)



State Legislature

- Bills of interest to WRCA
 - [AB 682 \(Mathis\): SWRCB online search tool](#)
WRCA position: Support
 - [AB 1573: Water conservation: landscape plants: nonfunctional turf](#)
WRCA position: Watch [watch the definition closely]
 - [SB 366 \(Caballero\): California Water Plan](#)
WRCA position: Support
 - [SB 745: The Drought-Resistant Buildings Act](#)
WRCA position: Oppose unless amended



State Legislature: Bonds

Bonds that have been introduced for the 2024 ballot

- [SB 867 \(Allen\)](#)
 - [WRCA position letter was submitted on April 25, 2023](#)
- [AB 1567 \(Garcia\)](#)
 - [WRCA position letter was submitted on April 25, 2023](#)

Both bonds contain \$300 million for recycled water projects

- WRCA asking for \$1.81 billion for recycled water and potable reuse



Governor Newsom Unveils New Proposals to accelerate California's infrastructure projects

- On Friday, May 19, 2023, Governor Newsom released an infrastructure package of trailer bill language that would streamline projects to promote construction across the state
- The [CEQA Judicial Streamlining trailer bill](#) would require that any judicial challenges and appeals be completed, to the extent feasible, within 270 days – that could reduce the CEQA time frame for recycled water projects, see the [Department of Finance's Fact Sheet](#)
- This proposal was released the day after a [report urging permitting reform](#) from Infrastructure Advisor to California Antonio Villaraigosa and California Forward



WRCA Regulatory Priorities



WRCA Regulatory Priorities

- DPR Regulations
 - The formal rulemaking process will begin May 2023 with the release of the new DPR Draft in late May
 - WRCA DPR Working Group working with the Division of Drinking Water (DDW) on outstanding issues
 - Due on December 31, 2023
- Onsite Reuse Regulations
 - State Board staff continues working on the rulemaking package
 - State Board staff plans to submit the Notice of Proposed Rulemaking to the Office of Administrative Law to start the rulemaking process by late Spring of 2023
 - Overdue already as they were due on or before December 1, 2022
- Cross-Connection Control Policy Handbook (formally Title 17)
 - Allows swivel ell as a recycled water change over device
 - WRCA is supportive as this is consistent with WRCA sponsored AB 1180 (Friedman, 2019)
 - Board Adoption Meeting: TBD



Rulemaking to Make Conservation a California Way of Life: Implementation

WRCA submitted 2 comment letters to the State Board

[March 15, 2023](#)

[March 29, 2023](#)

- [State Board staff presentation](#) and the [State Board's Fact Sheet](#) on this framework
- June 2023: Begins formal rulemaking (will include a 45-day public comment period)



Rulemaking to Make Conservation a California Way of Life: Proposed timeline shifts to June

Proposed timeline

Task	Start date
Board workshop	March 22, 2023
Start rulemaking (45-day public comment period)	May 2023
Consideration of Adoption (NOT scheduled yet)	Winter 2023-24
Following possible adoption: Final 15-day comment period	Winter 2023-24
Submit to OAL	Spring 2024
Rule becomes effective	Summer 2024

Now June



California Water²¹Boards

WRCA Response to Water Board Conservation Framework

- Support: 1.0 EFT for recycled water irrigation
 - Oppose: Nonfunctional turf irrigated with recycled water being treated as potable water
- Support: Potable reuse bonus incentive
- Support: Variance up to 1.26 ETF for high TDS recycled water irrigation
- Request: additional variance or provision for indoor water use (Consistent with [SB 1157 signing message](#))



Clean Water State Revolving Fund: draft Intended Use Plan (IUP) meeting

- Tuesday, June 20, 2023: State Water Board will accept public comments on the draft State Fiscal Year (SFY) 2023-24 Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) IUPs and Supplemental IUPs
- The draft CWSRF and DWSRF IUPs outline the State Water Board's business plan for administering the CWSRF, DWSRF, and their complementary funding for state fiscal year (SFY) 2023-24



WRCA Leg-Reg Meetings

- Our JUNE WRCA Leg-Reg Meeting is IN PERSON/HYBRID
 - Friday, June 16th from 12:30PM – 2:00PM
 - Zoom Meeting registration link will be available
 - Agenda to follow



WRCA Conference: Call for Abstracts



20 WATEREUSE
23 CALIFORNIA
CONFERENCE
INDIAN WELLS, CA • NOV. 5-7



Join us in Indian Wells!





Questions?

For further information:

Rosario Cortes
rcortes@watereuse.org

Standing Item

- ▶ **Potential Funding for Projects** (see handout)

PROGRAM	Total allocation	Funding available this Round	Purpose	Eligible Projects	Status	Anticipated Timeline	Notes
MWD On-Site Retrofit Program (OSRP) * <i>*only MWD members are eligible for this funding</i>	\$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)* <i>*only MWD members are eligible for this funding</i>			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 \$.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		<p>Construction of POTWs:</p> <ul style="list-style-type: none"> Wastewater treatment Local sewers Sewer interceptors Water reclamation distribution Stormwater treatment Combined sewers Landfill leachate treatment <p>Implementation of NPS projects to address pollution associated with:</p> <ul style="list-style-type: none"> Agriculture Forestry Urban Areas Marinas Hydromodification Wetlands <p>Development and implementation of estuary comprehensive.</p>	<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	<p>The application is also available on the CWSRF website at:</p> <p>https://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/</p>

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 • Hauled water • Installation of temporary or permanent community water tanks 	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"> ▪ Bottled water ▪ Water vending machines ▪ Emergency water interties ▪ New wells or rehabilitation of existing wells ▪ Construction or installation of permanent connection to adjacent water systems, recycled water projects that provide immediate relief to potable water supplies, and other projects that support immediate drought response ▪ Fish and wildlife rescue, protection, and relocation 			

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2023 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 posted</u> on grants.gov. For more information: https://www.grants.gov/web/grants/view-opportunity.html?oppld=335035 Applications received by June 15, 2022, are currently under review.
WaterSMART Grants – FY 2023 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.	A Funding Opportunity to allocate FY23 appropriations and Bipartisan Infrastructure Law funding has been posted on grants.gov. For more information: https://www.grants.gov/web/grants/view-opportunity.html?oppld=335103 Closed on July 27, 2022. Selection is estimated to be May 30, 2023.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2022 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.	FY23 Funding Opportunity was posted to grants.gov on February 24, 2022.
WaterSMART Grants – FY 2021 Water Marketing 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.	FY21 selections were announced July 1, 2021.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2023 Coming Soon! 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.	For more information: https://www.usbr.gov/watersmart/ewrp/index.html
WaterSMART Grants – FY 2022 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 \$200,000 per agreement for a project that can be completed within 2 years. Non-Federal Cost Share: 50% or greater	FY22 Funding Opportunity was posted on grants.gov on February 16, 2022. FY22 selections were announced August 25, 2022.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2022 Cooperative Watershed Management Program	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.	FY22 Funding Opportunity was posted to grants.gov on January 24, 2022.
WaterSMART Grants – FY 2022 Drought Emergency Response Actions	Emergency response actions undertaken by Reclamation to minimize losses and damages resulting from drought.	States and Indian tribes in the Western United States (except Alaska).	Funding availability is dependent on appropriations. No cost-share is required	Reclamation will accept emergency assistance requests on an on-going basis.
WaterSMART Grants – FY 2023 Drought Contingency Planning Funding	Funding for development, or update, of comprehensive drought plans	States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the 17 Western States, Hawaii, American Samoa, Guam, the Northern Mariana Islands, or the Virgin Islands.	Up to \$200,000. Non-Federal Cost Share: 50% or greater.	FY22 selections were announced on August 2, 2022. Six projects were selected to receive \$865,480 in federal funding.
WaterSMART Grants – FY 2022 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. Applications received by November 30, 2022, are currently under review.

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
WaterSMART Grants – FY 2023 Small Storage Program	<p>The upcoming funding opportunity supports the implementation of small surface storage, groundwater storage, and conveyance projects that will enhance water storage opportunities.</p>	<p>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.</p>	<p>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.</p>	<p>To view this funding opportunity, please visit www.grants.gov and search for funding opportunity number R23AS00019.</p> <p>Applications received by December 9, 2022, are currently under review.</p>
WaterSMART Grants – FY 2023 and FY 2024 Water Conservation Field Services Program	<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 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: June 1, 2023 at 4 p.m. PDT for FY 2023 proposals</p> <p>Final Closing Date: October 13, 2023 at 4 pm PDT for FY 2023 proposals</p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
<p>Title XVI Water recycling and Desalination Planning</p>	<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>To view this funding opportunity, please visit www.grants.gov and search for funding opportunity number R23AS00076.</p> <p>Applicants received by February 28, 2023, are currently under review.</p>

PROGRAM TITLE	Description	Eligible Applicants	Federal/Non-Federal Cost Share	Current Status
Title XVI Authorized Projects	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.	Typically, between \$1 million and \$6 million per applicant. Non-Federal Cost Share: 75% or greater.	FY22 appropriations were transmitted to Congress on November 30, 2022, and projects were named in FY23 appropriations legislation. The next Funding Opportunity is expected summer 2023.
Title XVI WIIN Act Water Reclamation and Reuse Projects	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.	Project selections for FY22 appropriations were transmitted to Congress on November 30, 2022, and projects were named in FY23 appropriations legislation. The next Funding Opportunity is expected summer 2023.
USEPA Water and Infrastructure Finance and Innovation Act (WIFIA) Program	Wastewater conveyance and treatment projects Drinking water treatment and distribution projects Enhanced energy efficiency projects at drinking water and wastewater facilities Desalination, aquifer recharge and water recycling projects	Local, state, tribal and federal government entities Partnerships and joint ventures Corporations and trusts CWSRF and DWSRF programs	\$20M minimum project size for large communities \$5M minimum project size for small communities (<25,000)	Funding available now 49% maximum portion of eligible project costs that WIFIA can fund EPA announces WIFIA funding availability and application process details in the Federal Register and on its website (www.epa.gov/wifia) NEPA, Davis-Bacon, American Iron and Steel and all federal crosscutter provisions apply. Includes acquisition of property if it is integral to the project or will mitigate the environ. impact of a project.

(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.

Upcoming Conferences, Webcasts & Meetings

- **Innovations in Agricultural Water Reuse: Successes, Challenges, & Funding Opp.** | June 22 | 1 P.M. PST
- **Oregon Reuse Summer Summit** | June 22 | Tigard
- **Arizona Water Reuse Symposium** | July 24 - 26 | Flagstaff
- **Pacific Northwest Track WaterReuse** | September 11 - 13 | Tacoma
- **Texas WaterReuse Conference** | September 20 - 22 | Frisco
- **2023 WaterReuse CA Conference** | November 5 - 7 | Indian Wells
- **2024 WaterReuse Symposium** | March 10 - 13 | Denver

★ **Registration now open** ★

See www.watereuse.org to register and for more information

Upcoming OC Chapter Meetings:

Aug 17 – TCWD

October 19 – IRWD

December 21 – TBD

Other Announcements/Discussion Items

- ▶ **6/22: OCWA Emerging Professionals Summer Solstice Event**
- ▶ **Request for WRA Conference volunteers**
- ▶ **Poster for WRA Conference**
- ▶ **Other announcements**

Integration of Stormwater & Dry-weather Runoff into Water Reuse

► **WaterReuse Association: Stormwater Reuse Fact Sheet: [Stormwater Reuse | WaterReuse Association](#)**

► **MWD funded projects**

MWD's pilot program and the 2 projects awarded funding: Rancho Los Cerritos and Culver City (attached fact sheets)





Culver Boulevard Realignment and Stormwater Capture Project, Culver City



Project Description

The Culver Boulevard Realignment and Stormwater Capture Project is a combined initiative of a Road Realignment and Stormwater Capture Project. A stormwater capture facility was integrated into a road realignment with additional green street enhancements.

The **Road Realignment** continues the widening of Culver Boulevard that was initiated by Caltrans in 2009 as part of the widening improvements to the 405 Freeway. The Road realignment resolves traffic issues, improves pedestrian safety and bicycle mobility, and enhances aesthetics along Culver Boulevard from Elenda Street to Sepulveda Boulevard.

The **Stormwater Capture Facility** site was identified in the Ballona Creek Enhanced Watershed Management Plan (EWMP) as one of the top projects to address compliance with water quality regulations. The Culver Boulevard site will provide significant water quality benefits for both Culver City and other jurisdictions within the watershed due to the tributary drainage area, location of adjacent storm drains, and available development space.

As a major step towards implementing the EWMP, Culver City designed and implemented the regional stormwater capture facility within the Culver Boulevard median. The primary design goal of the Culver Boulevard stormwater facility was to reduce long term annual loading of pollutants to Ballona Creek from its .

The existing utilities, geotechnical conditions, hydrology, and water quality were first characterized, followed by an optimization analysis of cost-effective solutions. The following summarizes the recommended configuration:

- A 10' high underground storage reservoir (8 acre-feet or 2.6 million gallons in volume)
- 25 cfs gravity diversion from Harter Ave drain (BI 2901-U2 Line B)
- 25 cfs gravity diversion from Sepulveda Boulevard drain (Culver City Drain – Unit 4 Line A)
- 5.76 cfs maximum discharge rate with filtration and subsequent return to the Harter Ave drain

CLIENT

City of Culver City

LOCATION

Culver Boulevard from Sepulveda Boulevard to Elenda Street

PROJECT TEAM

Design Team

Tetra Tech, Civil Design
Craftwater Engineering, Stormwater
SWA, Landscape Architect

Construction Team

Michael Baker, Construction Mgt
Ortiz Construction, Contractor

PROJECT COST AND FUNDING

\$18.2 Million (Construction Cost),

Funded by LA Metro, Caltrans, California Proposition 1 & Proposition 84 Grants, City of Culver City and City of Beverly Hills Partnership Agreement

CITY CONTACT

Yanni Demetri, Public Works
Director and City Engineer

Sean Singletary, Environmental
Programs Manager

Mate Gaspari, Engineering Services
Manager

Project Description



Description	Quantity
Drainage Area (acres)	796 acres (297 acres Culver City)
Diversion Rate (cfs)	25 cfs (Harter Ave Drain) 25 cfs (Sepulveda Blvd Drain)
Storm Water Capture Storage Volume (acre-feet)	8.01 AF
Storm Water Treatment Volume (acre-feet)	11.42 AF
Total Stormwater Capture (acre-feet)	19.43 AF
Average Annual Runoff Capture Volume (acre-feet)	187 AF/year
Average Annual Zinc Load Reduction (lbs)	82 lbs/year

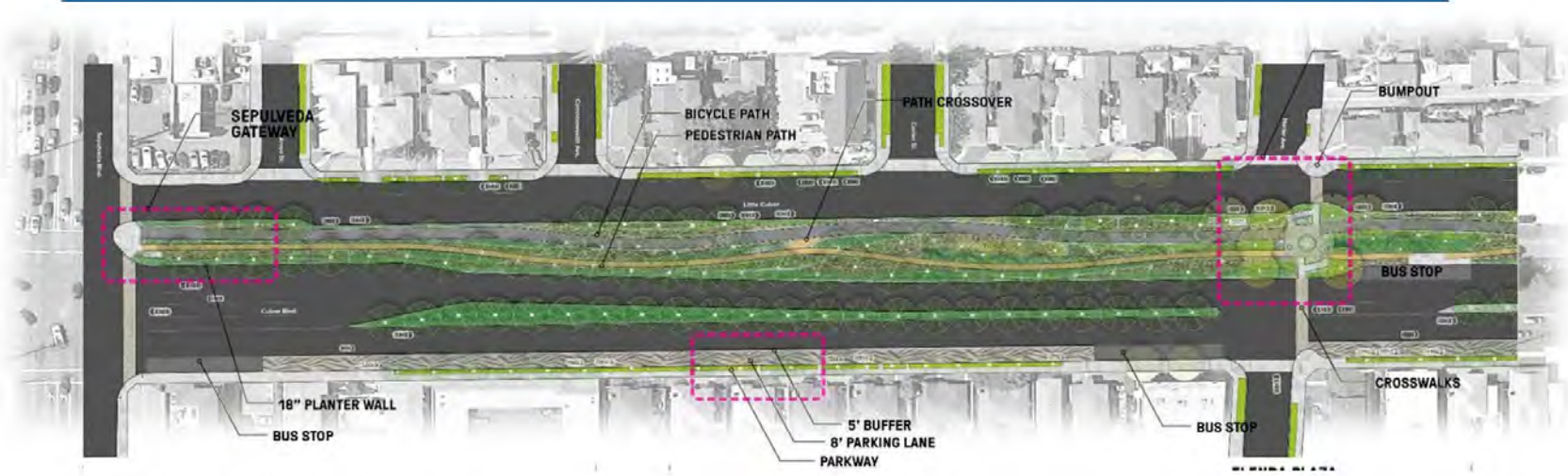
CULVER BOULEVARD MEDIAN AT SEPULVEDA

RETAINING WALL AND BERMING CONCEPT

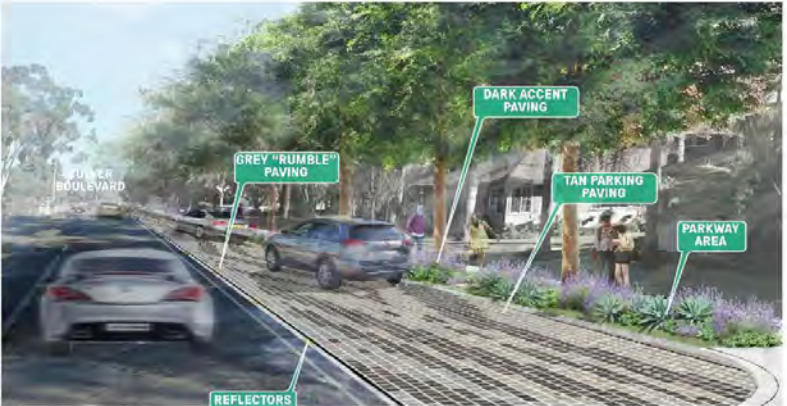


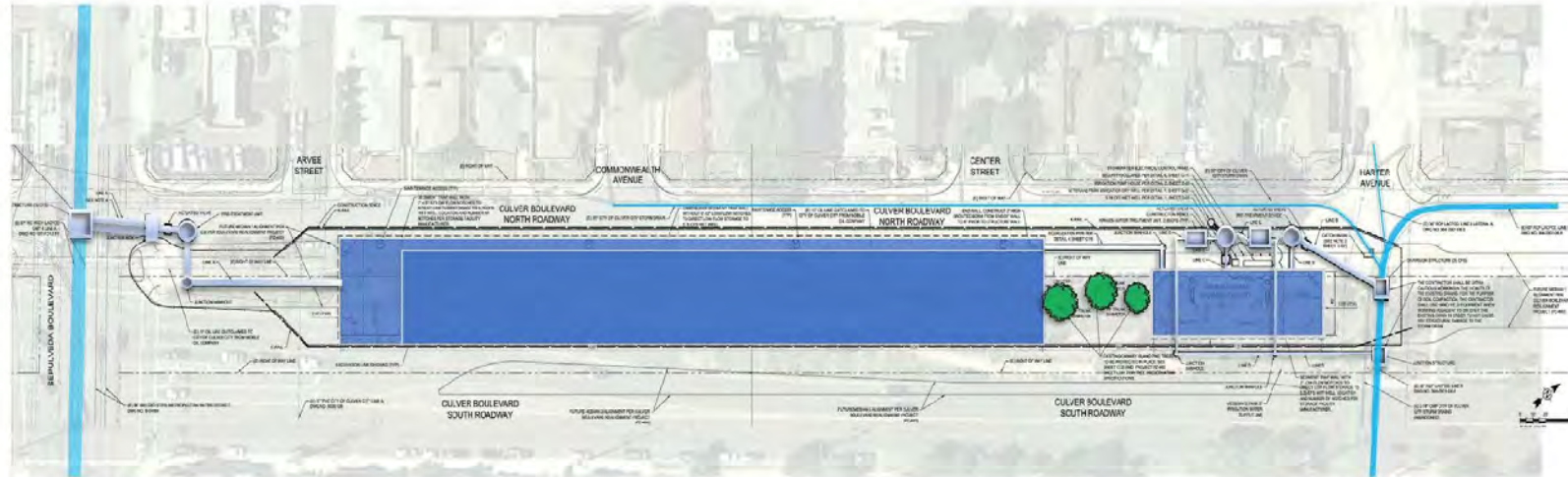
Project Profile





Road Realignment and Landscaping





Stormwater Capture Facility, Site Layout

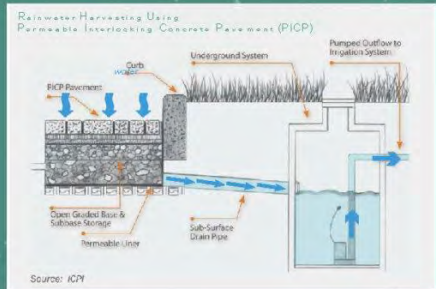
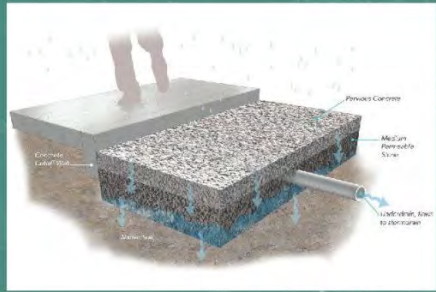
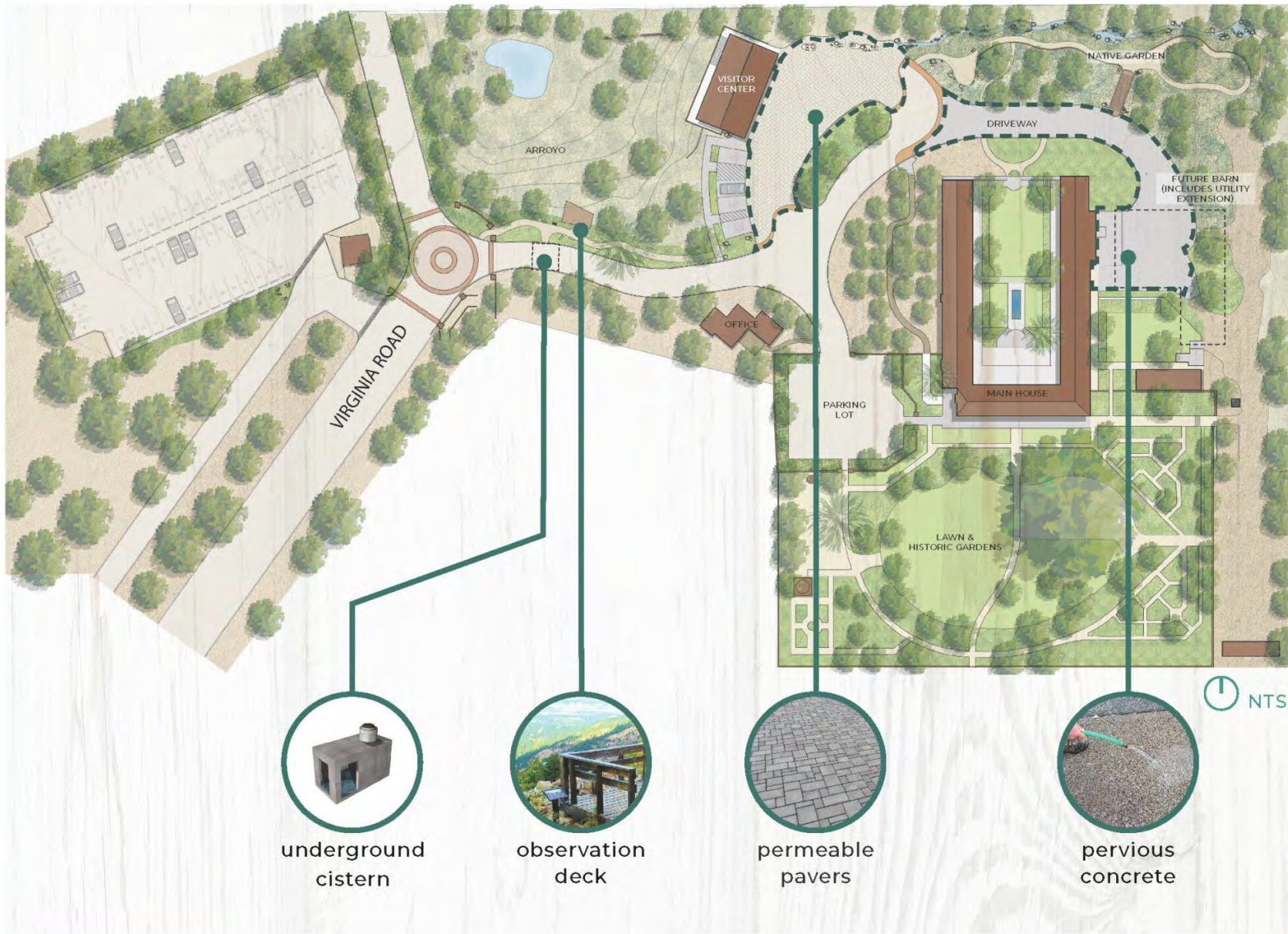


Rancho Los Cerritos

Looking Back to Advance Forward

An innovative initiative to educate, advocate and practice sustainable water conservation and encourage responsible environmental stewardship.

The Storm Water Reclamation and Reuse construction project on Rancho Los Cerritos National, State and Local Historic site aims to capture and reuse 95% of stormwater by utilizing new technologies and historical nature-based design solutions.



underground cistern



observation deck



permeable pavers



pervious concrete

Community Support:



Integration of Stormwater & Dry-weather Runoff into Water Reuse

► Summary Overview of Projects

- Amanda Carr, Deputy Director of Environmental Resources at OC Public Works
- Amber Baylor, Director of Environmental Compliance at SOCWA
- Lan Wiborg, Director of Environmental Services at OC San

► Panel Discussion and Q&A

Integration of Stormwater & Dry Weather Runoff into Water Reuse: Summary Overview of Projects

Agenda Item 6
June 15, 2023

Amanda Carr

Deputy Director, OC Environmental Resources



History and Drivers of MS4 Diversions

- Beach Water Quality
 - 1997 - AB 411 Monitoring
 - 1999-2000 – Huntington Beach summer closures
 - 2000 – Newport Bay Fecal Coliform Total Maximum Daily Load (TMDL)
 - 2008 Baby Beach Dana Point Harbor Indicator Bacteria TMDL
 - 2010 San Diego 20 Beaches and Creeks Indicator Bacteria TMDLs
- Numeric Water Quality-Based Effluent Limits in Municipal NPDES Permits
- Drought-driven needs for new water sources
 - Transition from individual diversion locations to evaluation of system/service area opportunities



South OC Diversion Projects

TREATMENT BMPs

FIND A BMP

Use the map, search box, and filters to locate a BMP. If you are on a mobile device, you can use the "Find nearby BMPs" button.

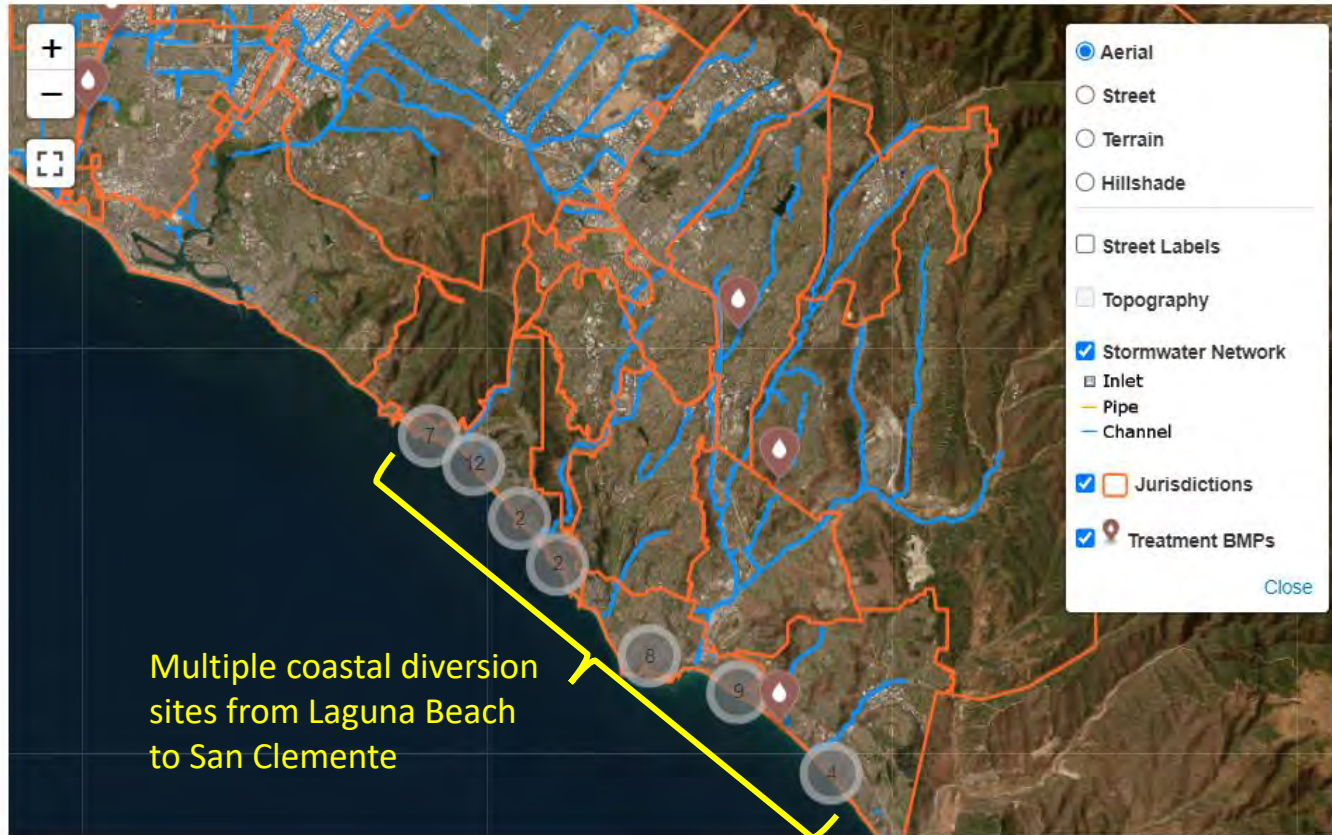
Search by BMP name

Filter by BMP Type:

Filter by Jurisdiction:

BMPs in Map View

49 BMPs shown on map - Zoom closer see a list



Multiple coastal diversion sites from Laguna Beach to San Clemente

Modeled BMP Performance

	Total	Dry	Wet
Water Balance Components			
To BMP	133,000,000		
Treated and Discharged	0	0%	
Retained or Recycled	36,500,000		28%
Untreated (Bypass or Overflow)	96,000,000		72%
Pollutant			
Total Suspended Solids	3,600 kg		1%
Total Nitrogen	3,500 kg		26%
Total Phosphorous	320 kg		21%
Fecal Coliform	9,700 billion CFUs		3%
Total Copper	5,400 g		7%
Total Lead	310 g		4%
Total Zinc	17,000 g		6%

Results last calculated at 6/14/2023 1:36 AM

[About Modeling BMP Performance](#)

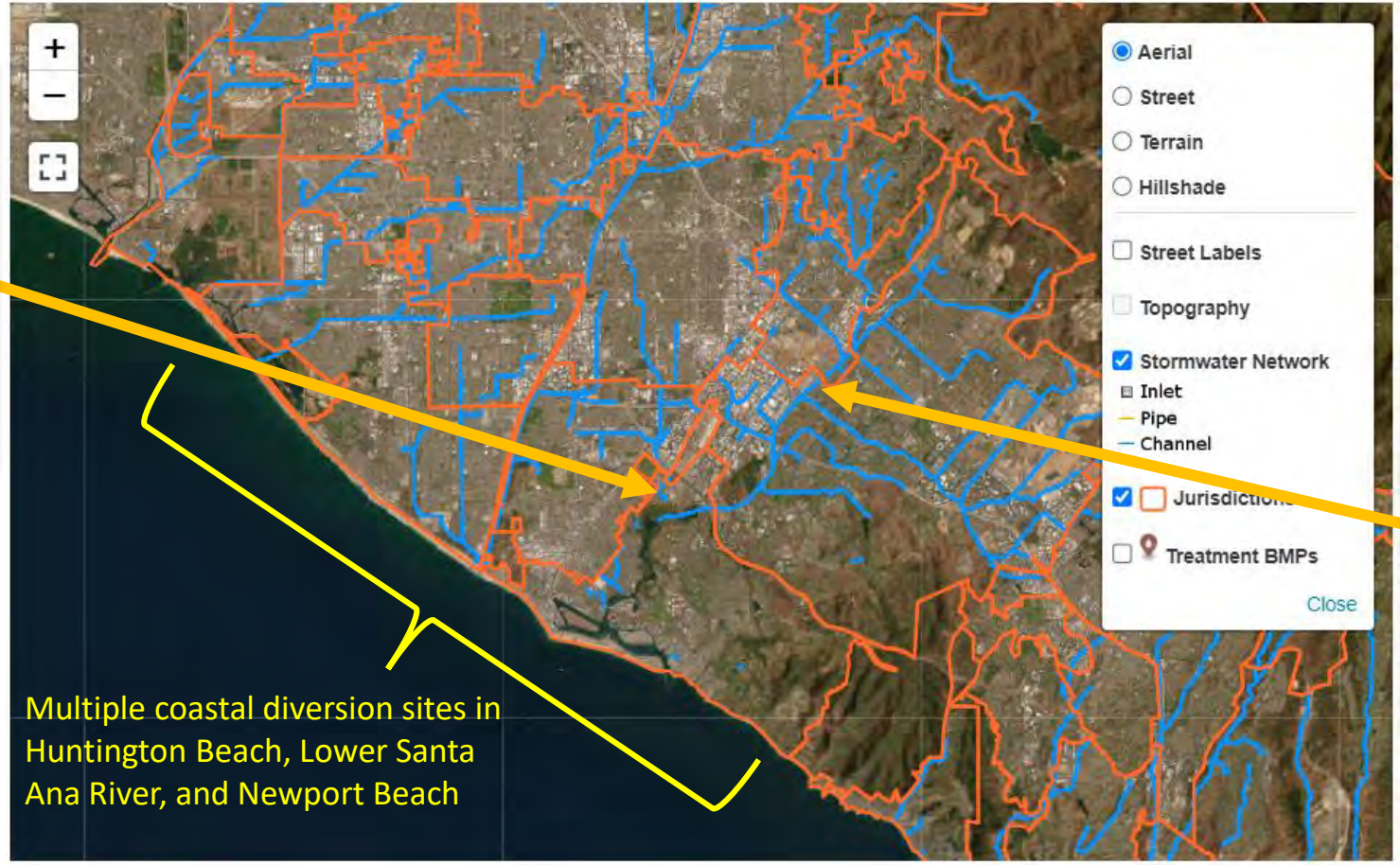
Sample modeled BMP performance details

Source: OC Stormwater Tools
<https://www.ocstormwater.tools.org/>

North OC Diversion Projects



Santa Ana-Delhi Channel Project



Peters Canyon Wash Pipeline Project
(one of multiple diversion locations)



Questions?

Amanda Carr

Deputy Director, OC Environmental Resources

County of Orange / OC Public Works

(714) 955-0601

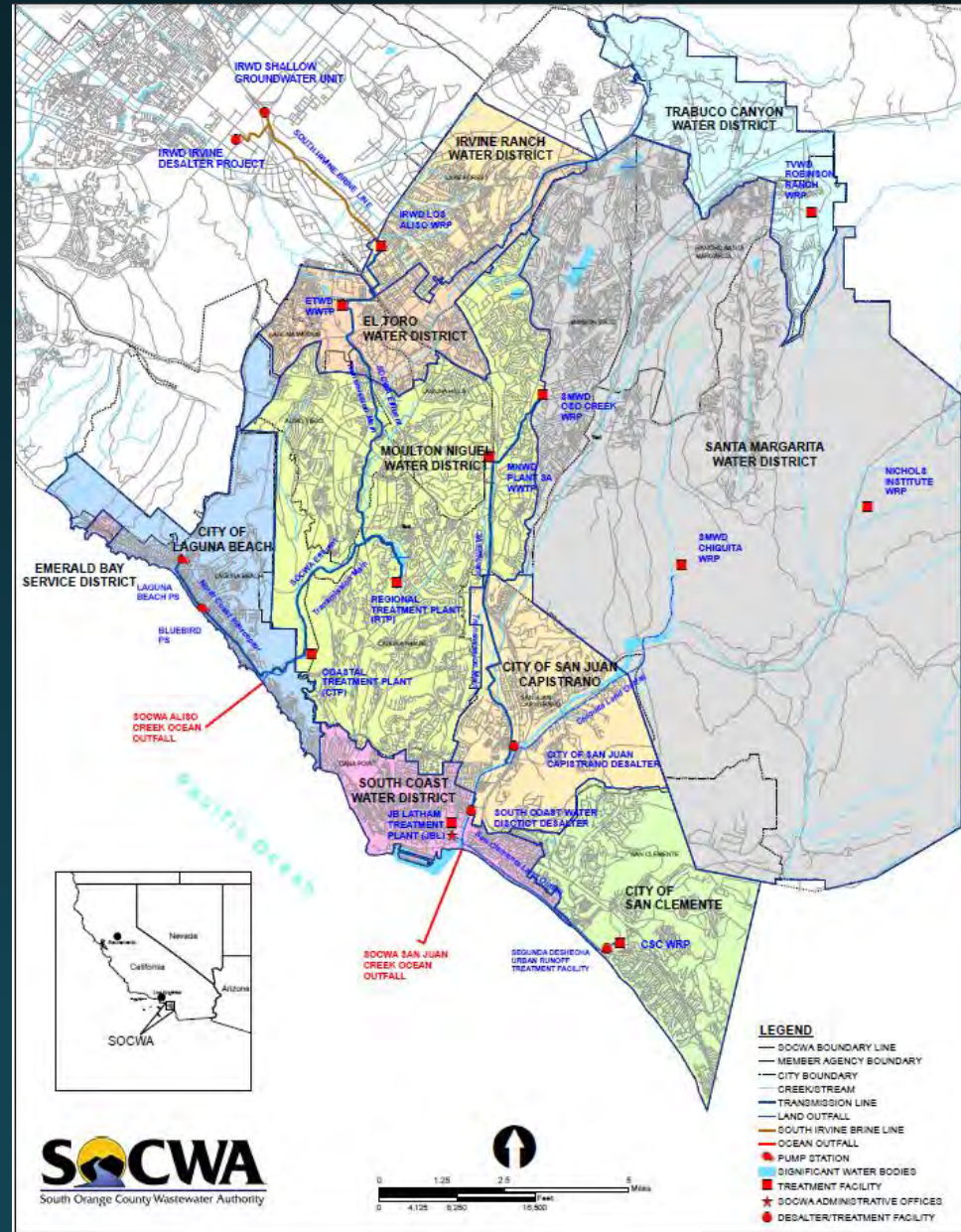
Amanda.Carr@ocpw.ocgov.com



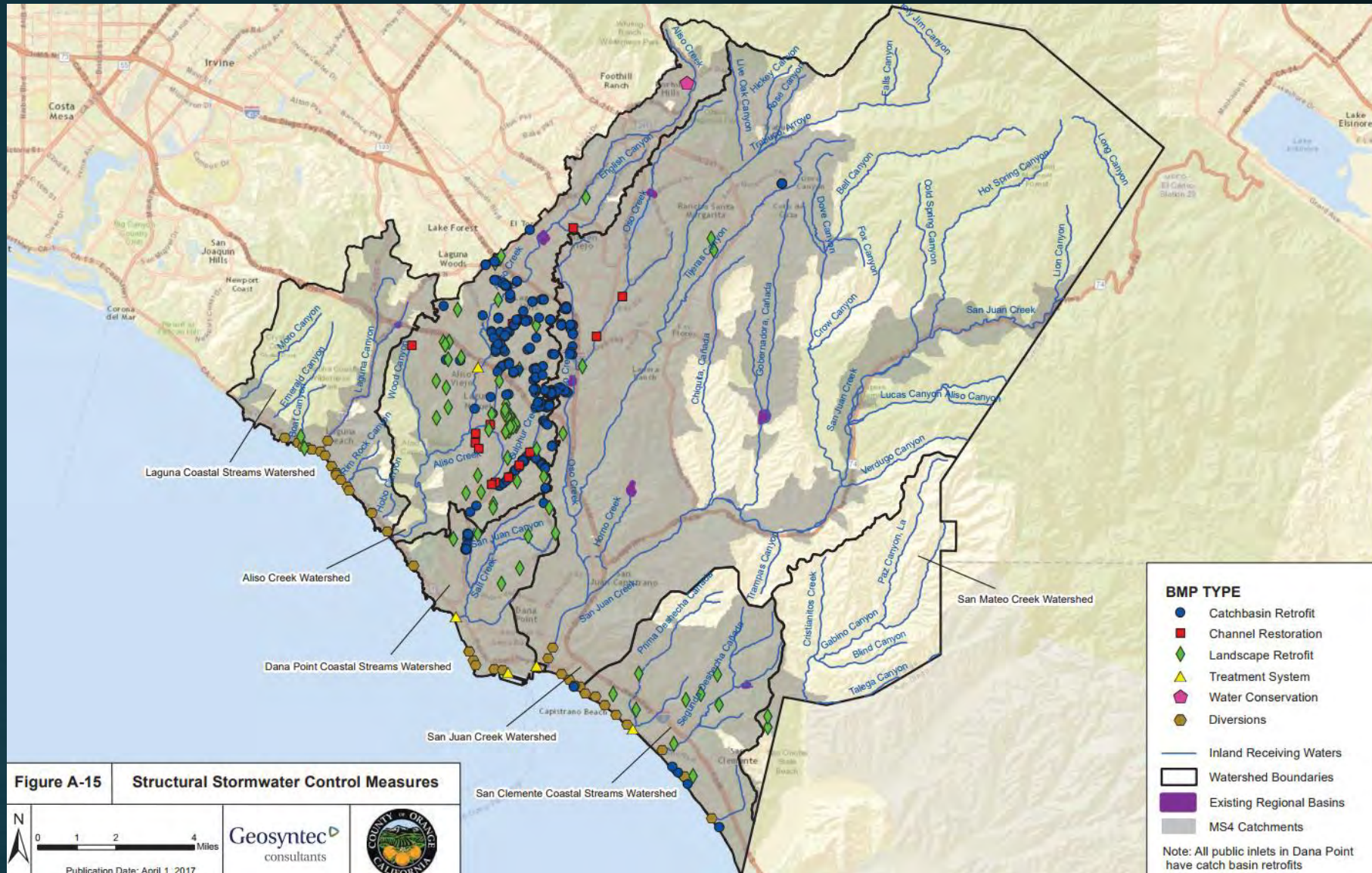
SOCWA: A Regional Partner in Water Quality Improvements

Amber Baylor:
Director of Environmental Compliance
June 15, 2023
WaterReuse OC Chapter Meeting

Who is SOCWA?



Overview of BMPs in SOCWA Service Area



SOCWA List of Diversion Permits

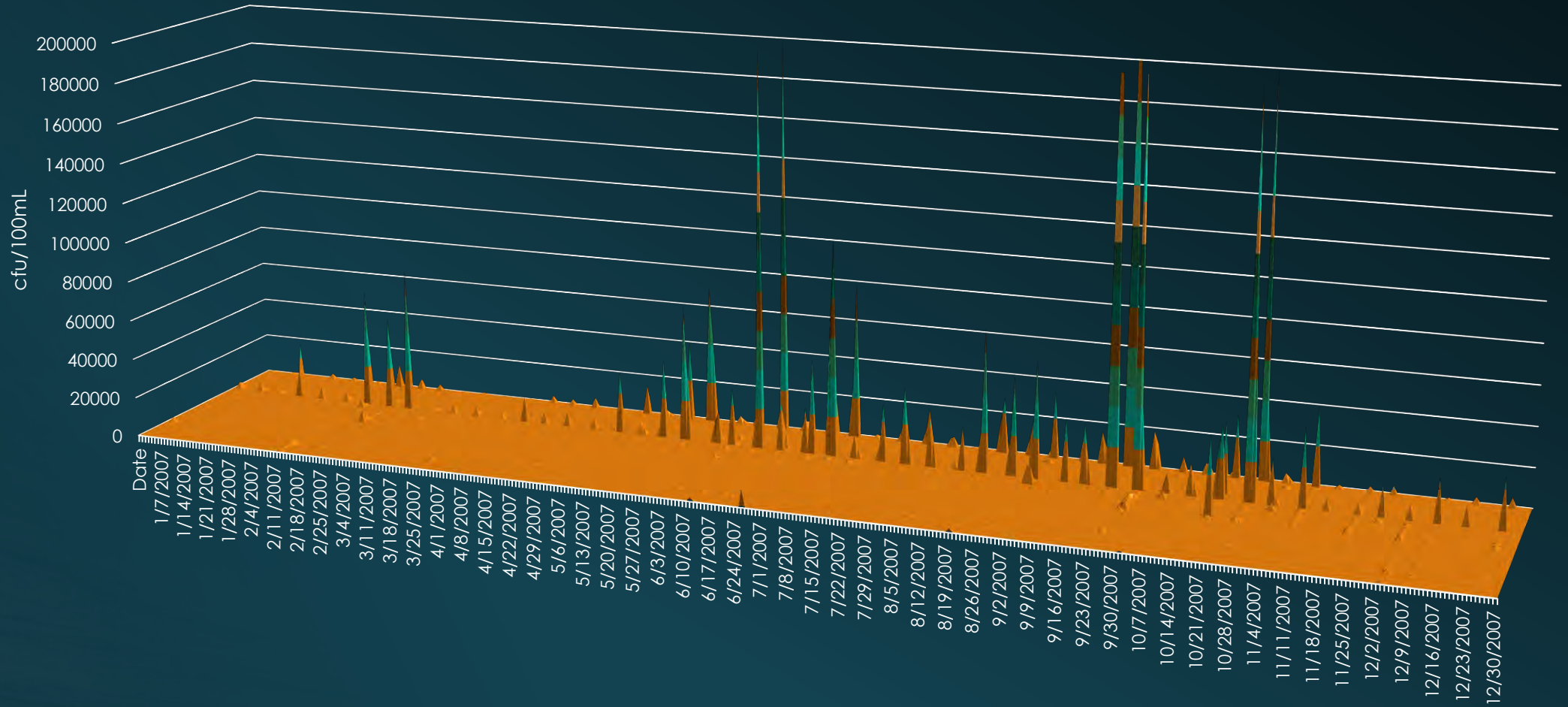


Each diversion permit has specific monitoring responsibilities & seasonal requirements.

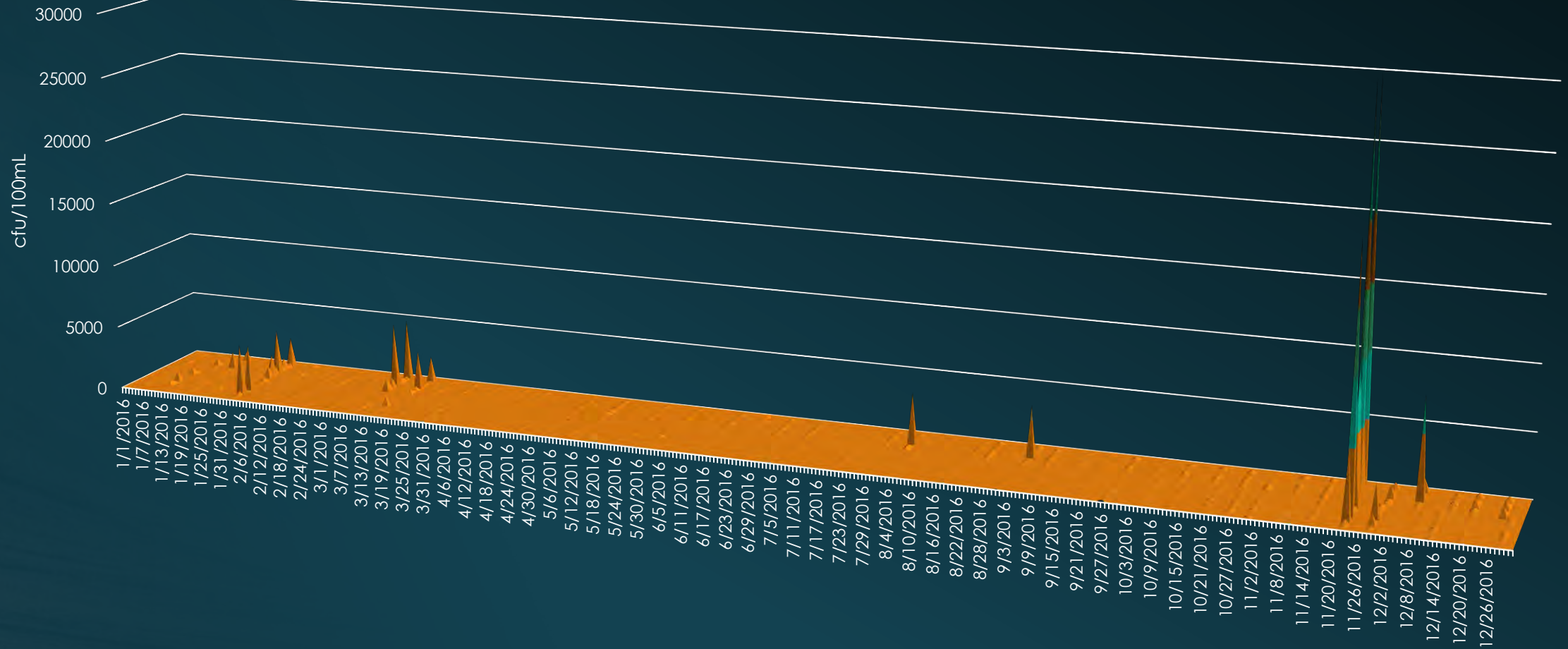
1. Alipaz St. – One outfall/diversion connection
2. City of Dana Point/SCWD – 17 Diversions → 1 permit
3. City of Laguna Beach – 24 outfalls/diversion connections
4. City of Laguna Beach – Festival of the Arts – 2 diversion drains
5. City of San Clemente – 2 drainage areas and outfall/diversion connections
6. Emerald Bay Service District – 1 outfall/diversion
7. Montage Resort – 2 outfalls/diversion connections
8. Niguel Shores Community Association – 5 outfalls/diversion connections
9. OC Public Works – 1 outfall/diversion connection
10. Poche Beach Treatment Plant
11. Salt Creek Treatment Plant
12. Three Arch Bay – 1 outfall/diversion connection

Beach Water Quality Fecal Indicators 2007

San Juan Creek & Aliso Creek Streams Watersheds



Beach Water Quality Fecal Indicators 2016 San Juan Creek & Aliso Creek Streams Watersheds





Thank you!

abaylor@socwa.com
949.576.5269

Urban Runoff Optimization Study

OC San Project No. PS21-06

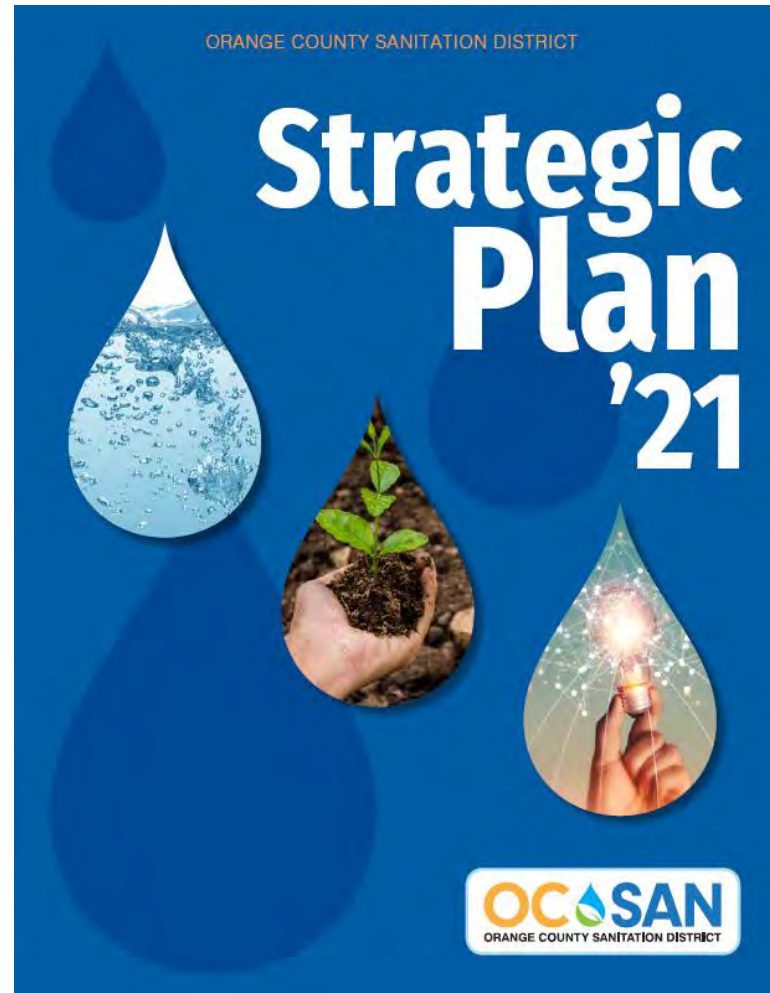
Lan Wiborg

*Director of
Environmental
Services*

June 15, 2023

OC SAN
ORANGE COUNTY SANITATION DISTRICT

Environmental Water Quality, Stormwater Management, and Urban Runoff Policy



Initiatives to support Policy Goal:

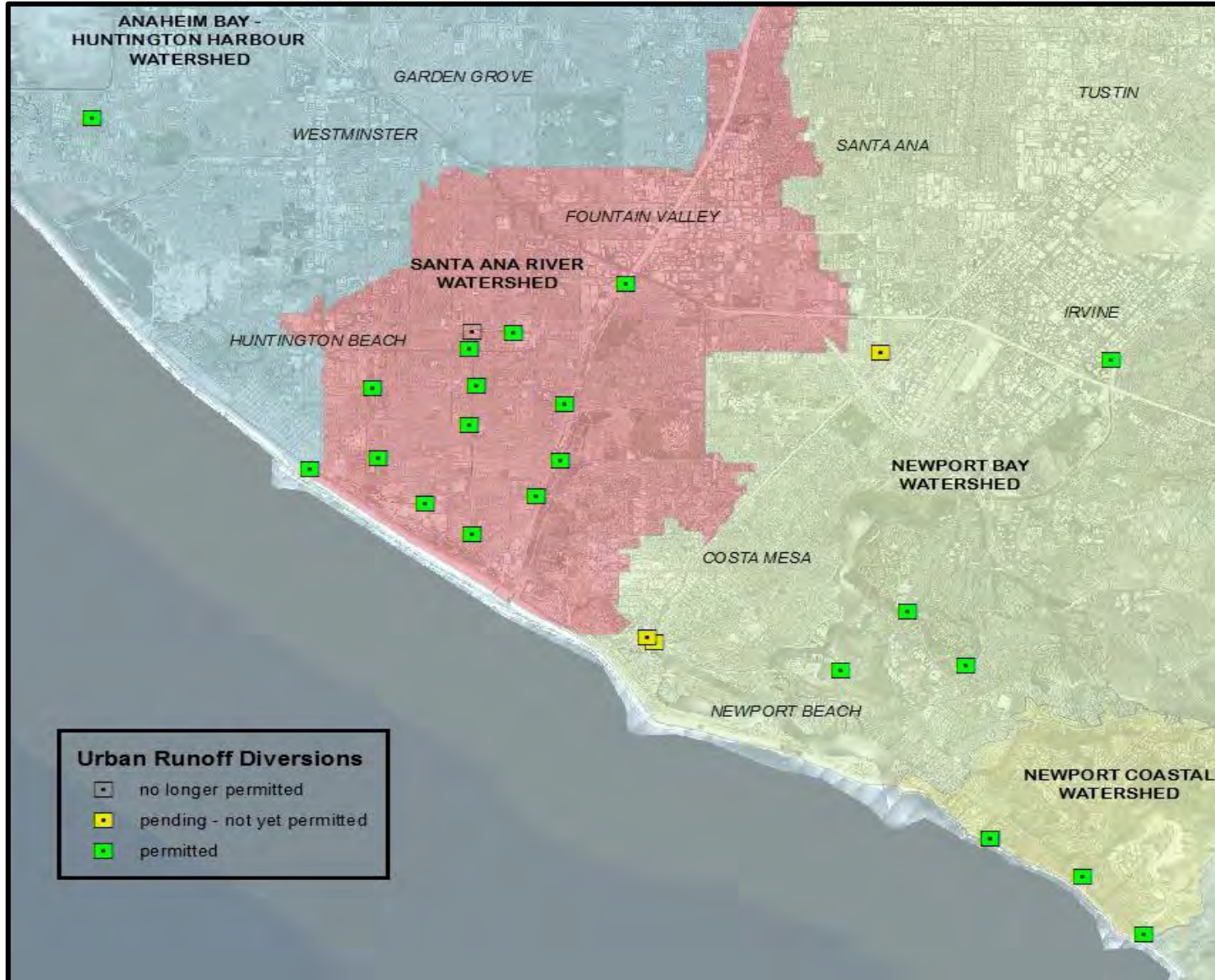
- Urban Runoff
- GWRS

Why Divert Urban Runoff?



- **Bacteria**
- **Selenium**

OC San Dry Weather Urban Runoff Diversion Program



10
MGD Capacity
Allocation

6
MGD Subscribed

<2
MGD Average
Flow in 2022

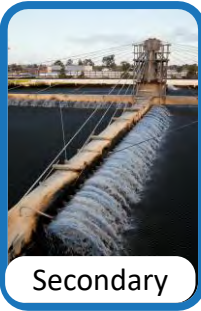
Sustainable Flow to GWRS



Preliminary



Primary



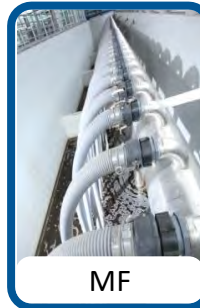
Secondary

Water Use Efficiency

(AB 1434/AB 1668/SB 606)

44 – 52.5 gpcd by 2025

Final Expansion
175 MGD
Provided



MF



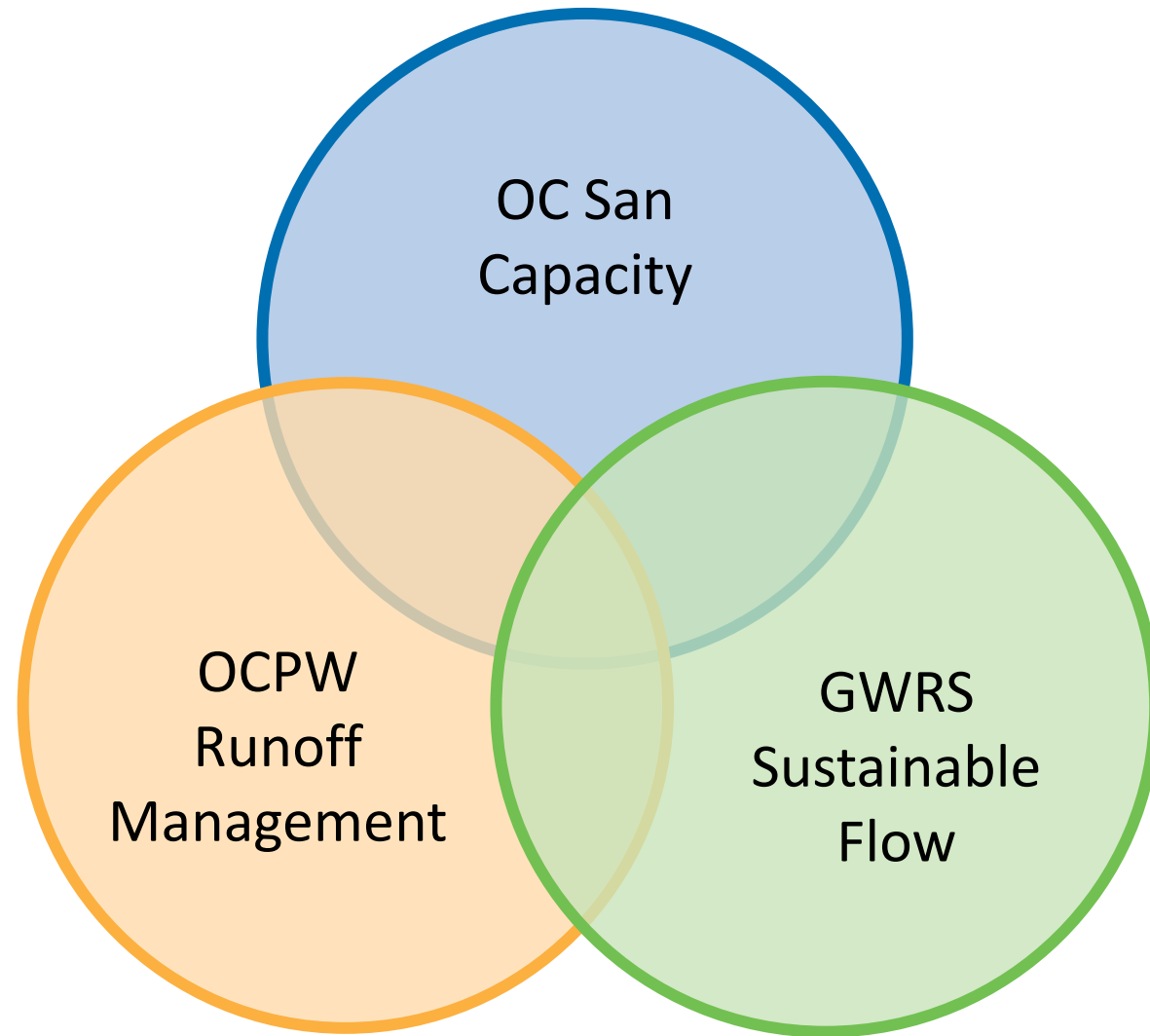
RO



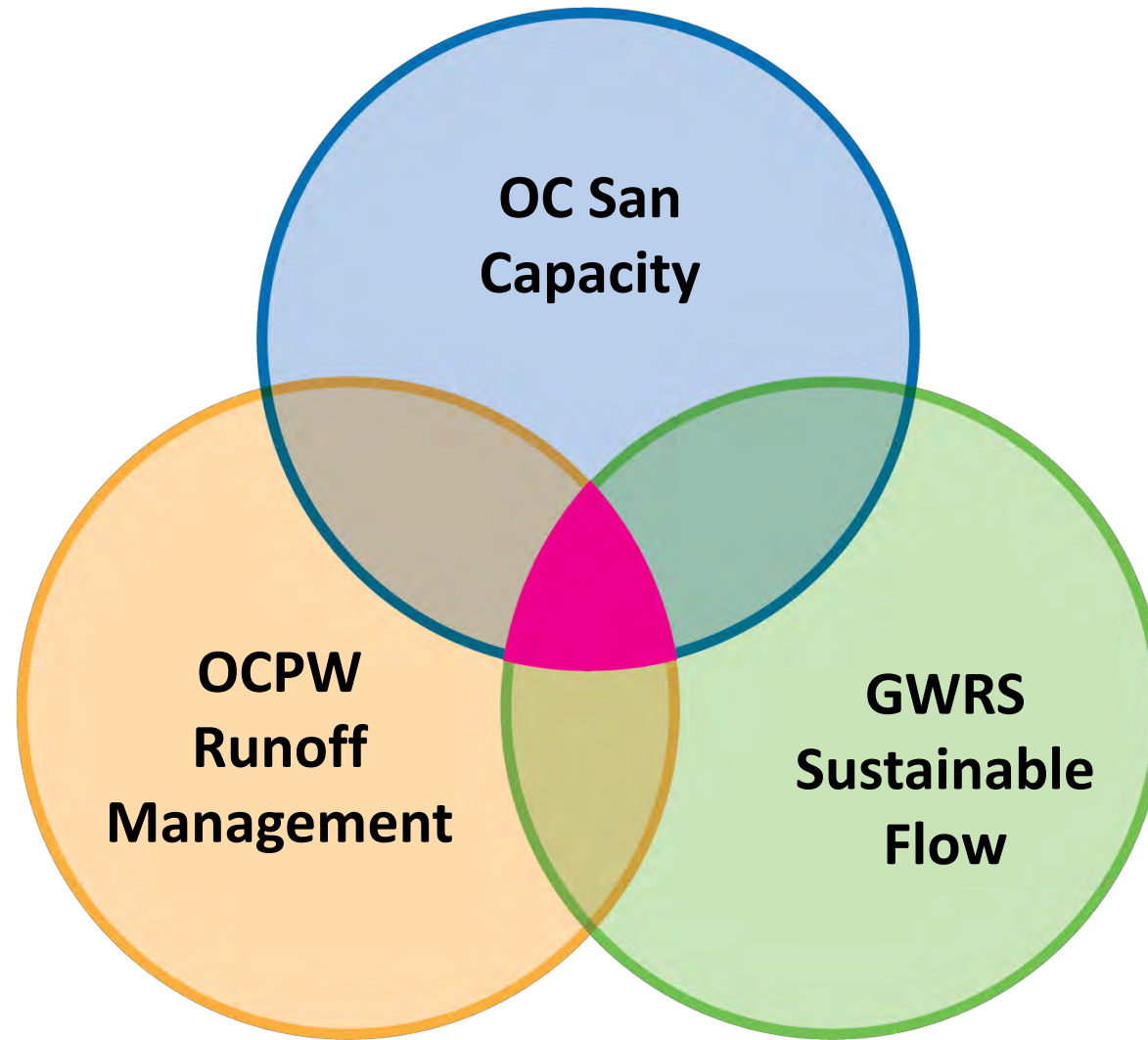
UV

Final Expansion
130 MGD
Produced

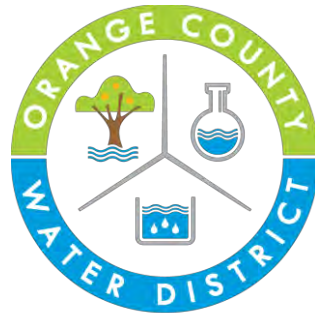
Multi-agency Partnership



One Water for Orange County



Urban Runoff Optimization Study



OBJECTIVES

- Identify feasible opportunities for dry and wet weather urban runoff diversions to OC San and OCWD
- Improve Water Quality
- Optimize Water Recycling
- Optimize existing capacity of OC San and OCWD infrastructure

Panel Discussion and Q&A

Integration of Stormwater & Dry-weather Runoff into Water Reuse

- Amanda Carr, Deputy Director of Environmental Resources at OC Public Works
- Amber Baylor, Director of Environmental Compliance at SOCWA
- Lan Wiborg, Director of Environmental Services at OC San

Have a question?

Select the “Raise Hand” button or
select *6 on your telephone

THANK YOU

Meeting Adjourned