



WaterReuse CA | **RE**imagine
CONFERENCE the possibilities

CONFERENCE PROGRAM



2025

SAN DIEGO • SEPTEMBER 21-23



In Partnership with The Water Research Foundation

A MESSAGE FROM OUR PRESIDENT



Dear Colleagues and Champions of California's Water Future,

Welcome to another remarkable gathering of our WaterReuse California community. As I look at our conference attendee list, I see an assembly of innovators, advocates, and visionaries, I am filled with tremendous pride in what we represent and boundless optimism for what we will accomplish together.

Each of you, whether you're a utilities professional implementing groundbreaking projects, a researcher pushing the boundaries of water technology, a policymaker crafting tomorrow's regulation, or a consultant guiding communities toward water security, is writing the story of California's water resilience. Your dedication to advancing recycled water is not just transforming how we think about water; it's literally fortifying our state's water future.

This year's conference comes at a pivotal moment. We have successfully built the foundational policy and regulatory framework that makes recycled water possible across California. Now, WRCA is shifting our collective focus to something equally ambitious: expanding implementation across the state. We're moving from asking "Can we do this?" to "How do we scale this everywhere it's needed?"

The path ahead is as exciting as it is essential. We're working to support streamlined permitting processes that will accelerate your projects. We're advocating to find new funding pathways to support your innovations. We're building the frameworks and tools that will help communities embrace recycled water as the climate adaptation strategy it truly is. Most importantly, we're doing this together, because none of us is an island, and our collective impact far exceeds what any of us could achieve alone.

I'm particularly energized by the conversations we'll have here about regional collaboration, potable reuse implementation, and expanding recycled water's



The path ahead
is as exciting
as it is essential.



role in California's broader water portfolio. These aren't just conference topics, they're the building blocks of a water-secure California where communities have the water they need to thrive for generations to come.

To our incredible members who are pioneering projects from San Diego to the Central Valley to the Bay Area: you are proving every day that recycled water works for California. Your successes become the blueprint for others. Your lessons learned accelerate progress statewide. Your courage to innovate inspires the next generation of water leaders.

Thank you for being here. Thank you for your commitment to this vital work. And thank you for helping us rewrite California's water story—one project, one partnership, one breakthrough at a time.

Let's make this conference another milestone in our shared journey toward a water-abundant future.

With gratitude and excitement,

ROGER BAILEY

President

WaterReuse California

GENERAL INFORMATION



CONFERENCE WI-FI

Stay connected at the WaterReuse California Conference thanks to sponsor Kubota, the official Conference Wi-Fi Sponsor.

Conference Network: WRCA2025

Password: KUBOTA25

SPONSORED BY



PROFESSIONAL DEVELOPMENT HOURS

The WaterReuse California Annual Conference is pleased to offer professional development hours (PDHs) for all states.

How Many Educational Credits Can I Earn at the WaterReuse California Conference?

By attending all sessions on Sunday, Monday, and Tuesday, you can earn up to 15 PDHs.

How Do I Earn Educational Credits at the California Annual Conference?

In order to receive PDH hours, you will need to complete the PDH form located in your registration packet. These forms can be dropped off at the conference registration desk or emailed to lgutierrez@watereuse.org.

When Will I Receive Credits for the California Annual Conference?

Certificates will be made available to participants electronically within 8-10 weeks after the Conference. Please keep in mind that, although WaterReuse does provide these files, most states will require the individual licensee to report continuing education credits.

General Information

Terminology and education credit requirements and restrictions vary widely. All participants are responsible for checking with their license/certification authority to ensure that the WaterReuse technical concurrent sessions meet specific requirements.

FEATURED EVENTS

EXHIBIT HALL HOURS

SUNDAY, SEPTEMBER 21 1:00 pm – 6:30 pm

MONDAY, SEPTEMBER 22 7:30 am – 3:30 pm

TUESDAY, SEPTEMBER 23 7:30 am – 12:00 pm

WELCOME RECEPTION

Sunday, September 21 | 5:30 pm – 7:00 pm | Town & Country Foyer



Join conference exhibitors and your fellow attendees as we kick off the 2025 WaterReuse California Conference.

SPONSORED BY



DOG/PUPPY PETTING

Monday, September 22 | 2:00 pm – 4:00 pm | Town & Country Foyer



WRCA has partnered with Paws of Coronado to provide you with an opportunity to put recycled water aside for a moment and enjoy the pleasure and comfort offered by the dogs and puppies they care for.

SPONSORED BY



FEATURED EVENTS

PRESIDENT'S RECEPTION

Monday, September 22 | 5:30 pm – 7:00 pm | Martini/Palm Lawn



Join us for an evening with the WaterReuse California leadership team at this annual networking reception.

SPONSORED BY



COFFEE TRUCK

Tuesday, September 23 | 10:00 am – 12:00 pm | Martini/Palm Lawn



The Bird Rock Coffee Roasters truck will be onsite to provide delicious regular and specialty coffees. Bird Rock Coffee Roasters is proud to have put premiere coffee on the map in San Diego.

SPONSORED BY



BLUE DIAMOND SPONSOR LUNCHEON

Tuesday, September 23 | 12:30 pm | Golden State Ballroom



The Voyage to Potable Reuse 2050
To boldly innovate where no utility has innovated before. Join the mission and panel discussion.

SPONSORED BY



FEATURED EVENTS

COLLABORATIVE QUEST

Ongoing through Tuesday, September 23 | 12:00 pm

Enhance your conference experience through an engaging adventure, and you could be a winner in the Collaborative Quest prize drawing.



Your mission. Gather your wits and navigate through the exhibit hall, technical sessions, and networking opportunities to answer questions that will help you make the most out of your time at the 2025 WateReuse California Conference.

How it works. Scan the QR Code with your phone camera. *Pro tip:* Review the questions at the beginning of the conference so you know what you will need to do.

Submit your answers (be sure to answer all questions!) through the online form by noon on Tuesday, Sept. 23. Three attendees with complete submissions will be selected and contacted via email to arrange to receive their prize.

EXHIBITOR COMPETITION

Ongoing through Tuesday, September 23 | Exhibit Hall/Registration Desk



All exhibitors have been invited to decorate booths and offer swag aligned with the conference theme: SoCal coastal/beach casual. This might include surfers/boards, beach balls, seashells, coastal lagoons, etc. The winning exhibitor receives a complimentary exhibit table at WRCA 2026 and a trophy.

Conference attendees vote on Best in Show!

Ballots are included in your registration packet. Visit each exhibitor, vote for your favorite, and submit your ballot at the registration desk. Attendees who participate will be entered into a drawing for a special gift. Be sure to provide your name, email address, and phone number on the ballot.

OPENING GENERAL SESSION

KEYNOTE PRESENTATION

Monday, September 22 | 8:30 am | Golden State Ballroom



DAMON WEST, MS CRIMINAL JUSTICE

Sometimes the most powerful innovations happen when we change our perspective entirely. That's why we're thrilled to announce Damon West as our opening keynote speaker.

Damon is a college professor, internationally known speaker, and three times *Wall Street Journal* bestselling author. His book, *The Coffee Bean: A Simple Lesson to Create Positive Change*, was listed by Forbes' in the "Top Twenty Books You Need to Read to Crush 2020."

Damon's story will transform how you think about resilience and leadership.

What Damon brings to our water community:

- The Coffee Bean Philosophy—How to be a catalyst for positive change in any environment
- Real strategies for overcoming seemingly impossible obstacles
- Leadership lessons from the most challenging circumstances
- Practical tools for building resilient teams and programs

Whether you're facing regulatory hurdles, community resistance, or technical challenges, Damon's message about transforming adversity into opportunity resonates deeply with our work. His keynote sets the perfect tone for innovation, collaboration, and problem-solving.

The Voyage to Potable Reuse 2050

To boldly innovate where no utility has innovated before!

COME JOIN THE MISSION! | Tuesday, September 23rd | 12:30-2:30 pm

Aboard the interstellar vessel **US-WRCA Odyssey**, a crew of water pioneers embark on a mission to the twin pathogen worlds of **Covid-X** and **NADAdisinfecTANT**, where hydration is scarce and resistance is high.

Their quest: Discover new sources of potable water while battling evolved contaminants and powerful microscopic adversaries that are impervious to the ship's RO membrane shields, UV blades, and oxidation reactors.

Commanding Officer Captain

Joaquin Esquivel

State Water Resources Control Board

STARRING

The US-WRCA Odyssey Crew

First Officer

Jesus Gonzalez

LADWP



Communications Officer

Brenley McKenna

WaterReuse California



Health Specialist

Juan Guerreiro

City of San Diego



Science Director

Dr. Amy Childress

USC ReWater Center



Chief Technical Officer

Deven Upadhyay

MWD Southern California



SUPPORTING CAST OF INTERGALACTIC DELEGATES

Envoy (Charley) Wilson of the Romari Syndicate

Commander (Rich) Nagel of the Klorak Defense Corps

(Brian) Bernados of the Mindstream Collective

(Robert) Ferrante of the Feran Trade Alliance

(Roger) Bailey of the Neural Accord

Security Chief (Eric) Owens of the Morphari Domain

Captain (Julie) Minton of the Terra Coalition

Systems Director (Dave) Pedersen of the Nexus Core

Sun'Ni Vang (Sunny Wang) of the Andaran Accord

An'Selm Kollans (Anselmo Collins) of the Zardassi Union

(Melanie) Holmer of the Continuum Council

Dawana (Dawn) Tafflin of the Velari Confederacy

Trade Envoy (Huub) Cox of the Feran Commerce Guild


Ambassador P'Raul B'Raun (Paul Brown)

of Tau Ceti Prime


(Shivaji) Deshmukh of the Trilari Research Assembly

Jacobs


CONFERENCE SCHEDULE




Session features research conducted with The Water Research Foundation.






Session features content relevant to communications.



Session features content relevant to elected officials.

SUNDAY, SEPTEMBER 21					
11:00 AM	REGISTRATION OPENS – TOWN & COUNTRY FOYER (Hours: 11:00 AM – 5:30 PM)				
	IPR: GROUNDWATER (PART 1) TOWN & COUNTRY B SPONSOR: Irvine Ranch Water District	MEMBRANE TREATMENT & CONCENTRATE MANAGEMENT TOWN & COUNTRY C SPONSOR: Jacobs	DATA MANAGEMENT/ AI/MACHINE LEARNING TOWN & COUNTRY D SPONSOR: Filanc	PANEL TOWN & COUNTRY A SPONSOR: LA County Sanitation District	
1:00 PM	Taking Charge of Sustainable IPR: The Benefits of a Recharge Master Plan Carolina Sanchez, West Yost Edgar Tellez-Foster, Chino Basin Watermaster	An Innovative RO Concentrate Treatment & Recovery for Inland Potable Reuse Projects Ufuk Erdal and Doug Rice, Black & Veatch	Optimizing RO Performance with Dynamic Recovery & Advanced Data Techniques: OCWD Pilot Case Study Elin Nybonn and Javad Roostaei, Hazen & Sawyer Han Gu, Orange County Water District	What's So Funny 'Bout Cost, Trust, & Understanding? Research, Regrets and More... Moderator: Charley Wilson, Southern California Water Coalition Sara Katz, Katz & Associates Mark Millan, Data Instincts	
1:30 PM	Constructing LA's Groundwater Replenishment Program Andrew Han and Jesus Gonzalez, LADWP Ryan Thiha, LASAN	Performance Optimization of RO at the Pure Water Southern CA Demonstration Facility Greg Wetterau, CDM Smith Dian Tanuwidjaja, Metropolitan Water District	Machine Learning Soft Sensors for Potable Reuse Kyle Thompson, Carollo	<div></div> CONTINUES	TOURS: PURE WATER SAN DIEGO & EAST COUNTY AWP (1:30 PM – 4:30 PM) Advanced Registration Required

CONFERENCE SCHEDULE

SUNDAY, SEPTEMBER 21					
2:00 PM	Monitoring Wells for Groundwater Replenishment Reuse Projects: More Than Checking a Box Cameron Tana, Montgomery & Associates, Inc. Cameron Kostigen Mumper, Soquel Creek Water District Scott Rogers, Palm-dale Water District	Treatment of Nitrate in RO Concentrate by Blending with Non-Nitrified Secondary Effluent & Partial Denitrification-Anammox Bruce Mansell, LACSD	AI-Supported AWT Optimization at West Basin John Rickermann, Jacobs Eric Owens, West Basin MWD	(CONTINUED) What's So Funny 'Bout Cost, Trust, & Understanding? Research, Regrets and More...	WORKSHOP WRF WORKSHOP PALM 3-4  CONTINUES AFTER BREAK
2:30 PM	The Nerdy Leader's Playbook: Mastering Water Reuse One Geeky Move at a Time Melanie Mow Schumacher, Soquel Creek Water District	Optimizing Membrane Backwashing with Novel Colloidal Particle Measurement Brendan Jordan, Kennedy Jenks	Laws & Ethics of Using AI in Reuse Operations & Management James Cooper, Arcadis 		
3:00 PM	NETWORKING BREAK – TOWN & COUNTRY FOYER SPONSORS: Western Municipal Water District & North San Diego Water Reuse Coalition				
	IPR: GROUNDWATER (PART 2) TOWN & COUNTRY B SPONSOR: Kubota	DELIVERY METHODS TOWN & COUNTRY C SPONSOR: Kiewit	SOURCE CONTROL TOWN & COUNTRY D SPONSOR: Brown & Caldwell	PANEL TOWN & COUNTRY A SPONSOR: LA County Sanitation District	WORKSHOP (CONTINUED) WRF Workshop  CONTINUES
3:30 PM	"CAPP"turing Every Last Drop: Carpinteria's Unique Journey to Maximize Potable Reuse Kraig Erickon, Woodard & Curran Andrew Salveson, Carollo Craig Murray, Carpinteria Sanitary District	Progressive Design-Build & Design-Build on Public Infrastructure Projects: New Legislation & Attorney Perspective David Gehrig, Hanson Bridgett	Strengthening Source Control for Sustainable Reuse: A Collaborative Approach Medi Sinaki and Nasi Basiri, Valley Water Eric Dunlavey, City of San Jose	An Engineer, a Contractor, & a Construction Manager Walk into a Project: Successfully Delivering San Diego's Pure Water Conveyance System Sean McCarty, West Coast Civil Richard Fernand and Akram Bassyouni, City of San Diego Matt Fleming, Sukut CONTINUES	

CONFERENCE SCHEDULE

SUNDAY, SEPTEMBER 21					
4:00 PM	<p>Building on Success: Expanding Pure Water Monterey to Increase Regional Water Supply</p> <p>Todd Reynolds, Kennedy Jenks</p>	<p>Innovative Use of Progressive Design-Build for Control System Replacement Projects: Owner & Consultant Perspectives</p> <p>David Kubel, Arcadis John Venner, West Basin MWD</p>	<p>Local Limits – A Complex & Costly Source Control Approach for Potable Reuse</p> <p>Victor Occiano, Brown and Caldwell</p>	<p><i>(CONTINUED)</i></p> <p>An Engineer, a Contractor, & a Construction Manager Walk into a Project: Successfully Delivering San Diego's Pure Water Conveyance System</p>	<p><i>(CONTINUED)</i></p> <div>WORKSHOP</div> <p>WRF Workshop</p> 
4:30 PM	<p>WRD's Recharge Successes: Developing a Biogeochemical Roadmap for IPR</p> <p>Gary Gin, LRE Water Everett Ferguson, WRD</p>	<p>Strategic Assessment & Innovative Delivery for a Potable Reuse Program: Pure Water Antelope Valley's Approach</p> <p>Kyleen Marcella, Stantec Scott Rogers, Palmdale Water District</p>	<p>The Importance of Pilot Treatment Systems for Long-term, Multi-optioned Reuse in an Industrial Setting</p> <p>Stephanie Ishii, Hazen and Sawyer</p>	<p>Sean McCarty, West Coast Civil Richard Fernand and Akram Bassyouni, City of San Diego Matt Fleming, Sukut</p>	
5:00 PM	BREAK – FREE TIME				
5:30 PM	<p>WELCOME RECEPTION – TOWN & COUNTRY FOYER (5:30 PM - 7:00 PM)</p> <p>SPONSORS: Irvine Ranch Water District, Kiewit, Los Angeles County Sanitation District, & McCarthy Building Companies</p>				

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 22					
7:30 AM	EXHIBIT HALL AND REGISTRATION OPEN – TOWN & COUNTRY FOYER (Hours: 7:30 AM - 5:30 PM)				
7:30 AM	CONTINENTAL BREAKFAST – GOLDEN STATE BALLROOM FOYER SPONSORS: Eastern Municipal Water District, Sacramento Area Sewer District, & Water Replenishment District				
8:30 AM	OPENING SESSION & MEMBERSHIP MEETING – GOLDEN STATE BALLROOM SPONSORS: Kennedy Jenks, Metropolitan Water District of So Cal, Mott McDonald, & Orange County Water District				
	RECYCLED WATER & POTABLE REUSE PLANNING (PART 1) TOWN & COUNTRY B SPONSOR: LA County Sanitation District	DESIGN TOWN & COUNTRY C SPONSOR: LADWP & PCL Construction	WASTEWATER & REUSE TOWN & COUNTRY D SPONSOR: Central San	ECONOMICS, FINANCING, FUNDING PALM 4-6 SPONSOR: Eastern Municipal Water District	PANEL TOWN & COUNTRY A SPONSOR: CDM Smith
9:45 AM	Reframing West Basin MWD's Recycled Water Program with Cost Insight Alejandra Cano Alvarado and Jason Kung, West Basin MWD	An Integrated Digital-Physical Twin Framework to Maximize AWT Process Efficiency Nader Rezaei and Vijay Sundaram, AECOM Diego Rosso, UC Irvine	Critical Role of Secondary Treatment in California Reuse Projects Zeynep Erdal, Black & Veatch Germano Salazar-Benites, Hampton Roads Sanitation District	Economic Benefit Evaluation for Recycled Water Projects Nik Carlson and Vijay Sundaram, AECOM 	CDM Diamond Panel: The Future of Membrane Technology: What Lies Ahead? Dr. Eric Hoek Mehul Patel Shawn Carte Greg Wetterau Dr. Roshanak Aflakai
10:15 AM	LASAN's Implementation Plan for Pure Water LA: Roadmap for Implementing Large-Scale Potable Reuse Han Kang, Carollo Charles Senaya, LASAN Zakir Hirani, Stantec	Innovative Design for Potable Reuse: How to Improve Advanced Water Purification Facilities Larry Schimmoller, Jacobs Jesus Gonzalez, LADWP	How Improvement in Wastewater Processes Can Help in Achieving a More Successful Recycled Water Brittany Cogger, CDM Smith	Show Me the Money! Proactive Planning & Creative Funding Strategies for Federal & State Programs Seema Chavan and Amy Martin, Brown and Caldwell 	

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 22					
10:45 AM	<p>Making Recycled Water a Reality: Lessons in Strategy, Scale, & Success: Insights from a Groundwater Reliant City</p> <p>David Kehn, City of Chico Cora LeMar and Andrew Salveson, Carollo</p>	<p>Let's Get Digital! How a Digital Twin Helped Commissioning at Soquel Creek's New AWWP</p> <p>Cameron Kostigen Mumper, Soquel Creek Water District Melanie Holmer, Jacobs</p>	<p>Cost-Effective Nitrogen Removal with Partial Denitrification Anammox (PdNA) for Water Reuse</p> <p>Sarah Schoepflin, Ganesh Rajagopalan, and Brett Wagner, AECOM</p>	<p>The PWR of Vision: Financing the Path to Purified Water</p> <p>Richard Harmon, Woodard & Curran Matthew Bates, Eastern Municipal Water District</p> 	<p>CDM Diamond Panel: The Future of Membrane Technology: What Lies Ahead?</p> <p>Dr. Eric Hoek, Mehul Patel, Shawn Carter, Greg Wetterau, and Dr. Roshanak Aflakai, CDM</p>
11:15 AM	<p>Beyond Reuse: When Reuse Supplies Run Out ... What's Next for the Salinas Valley?</p> <p>Sarah Hardgrave, Salinas Valley Basin Groundwater Sustainability Agency Lydia Holmes, Carollo</p>	<p>Las Virgenes-Triunfo Pure Water Advanced Water Purification Facility: Striving for Treatment Robustness for Regulatory Compliance</p> <p>George Zacheis, Brown and Caldwell Andrew Salveson, Carollo Oliver Slosser, Las Virgenes Municipal Water District</p>	<p>Strategic Nutrient Optimization to Sustain Reuse Systems Amid Declining Wastewater Flows</p> <p>Mike Falk and JB Neethling, HDR</p>	<p>Show Me the Money: Financing Water Reuse Projects through the CA WRFPP Program</p> <p>Sandeep Kals, State Water Resources Control Board</p> 	
11:45 AM	<p>WATERUSE CALIFORNIA AWARDS LUNCHEON — GOLDEN STATE BALLROOM</p> <p>SPONSORS: Black & Veatch, MWH Constructors, Trojan Technologies, & Valley Water</p>				
1:15 PM	<p>BREAK – FREE TIME</p>				

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 22

	DPR (PART 1) TOWN & COUNTRY B SPONSOR: Orange County Water District	PFAS (PART 1) TOWN & COUNTRY C SPONSOR: Kennedy Jenks	AGENCY COORDINATION TOWN & COUNTRY D SPONSOR: The Walsh Group	WATER QUALITY & MONITORING (PART 1) PALM 4-6 SPONSOR: Toray	PANEL TOWN & COUNTRY A SPONSOR: Carollo
1:30 PM	DPR Without 03/BAC? Santa Monica's Pursuit of Blending Alternative Tyler Hadacek, Stantec Dinaz Kureishy, City of Santa Monica	Separation & Destruction of Per- and Polyfluoroalkyl Substances from Potable Reuse Reverse Osmosis Concentrate Charlie Liu, Kennedy Jenks 	One Water, One Joint Plan: Uniting San Diego's Public Utilities Department from Source Control to Distribution for Potable Reuse Ben Kuhnel, Stantec Kaitlyn Chin, Trussell Technologies	Double Trouble: A Framework to Streamline Dueling Waste- water & Drinking Water Monitoring Requirements for Statewide Application Violet Renick and Arielle Beaulieu, City of San Diego	Carollo Diamond Panel: CalVal – Development of Guidelines for Potable Water Reuse Treatment Validation Kevin Hardy, NWRI (Moderator) Jason Dadakis, Orange County Water District Jesus Gonzalez, LADWP Mike McCullough, Monterey Peninsula Water Management District Darrin Polhemus, State of California, Division of Drinking Water Andy Salvesson, Carollo Shane Trussell, Trussell Technologies 
2:00 PM	Pioneering DPR Permitting: Collaborative Strategies for Streamlining Approval & Scaling Success Sara Boyer, Moulton Niguel Water District Scott Miller, Black and Veatch	Impact of RO Element Degradation on PFAS Removal Efficiency Meagan Lundgren, CDM Smith	PureWater Peninsula Project: A Case Study in Regional Collaboration for Potable Reuse Planning Marie Fawcett, Kennedy Jenks Arvind Akela, Silicon Valley Clean Water	Identification and Evaluation of SAT Indicator Compounds for Sterling Natural Resource Center Manny Moreno, East Valley Water District Eileen Idica, Trussell Technologies	
2:30 PM	Key Cost Drivers When Implementing Direct Potable Reuse Inhyeong Jeon and Meagan Mauter, Stanford University	Innovative Application of UVPAR: Pioneering New Frontiers in PFAS Destruction Susheera Pochiraju, Hazen and Sawyer	Two Agencies Working in Partnership to CAPture Every Drop Chris Malejan and Rob Morrow, WSC Craig Murray, Carpinteria Sanitary District	Investigating 1,2,3- Trichloropropane Formation in Free-Chlorine Disinfection – Fact or Fiction? Chuck Grady, IEAI Preeti Ghuman, LACSD	
3:00 PM	NETWORKING BREAK TOWN & COUNTRY FOYER			CHAPTER LEADERSHIP RECEPTION PALM 1-3 (3:00 PM - 4:00 PM)	

CONFERENCE SCHEDULE

MONDAY, SEPTEMBER 22




	RECYCLED WATER & POTABLE REUSE PLANNING (PART 2) TOWN & COUNTRY B SPONSOR: Inland Empire Utilities Agency and Trussell Technologies	REGULATORY & PERMITTING (PART 1) TOWN & COUNTRY C SPONSOR: HDR	MBR & REUSE TOWN & COUNTRY D SPONSOR: McCarthy	PATHOGEN CREDITING PALM 4-6 SPONSOR: Arcadis	PANEL TOWN & COUNTRY A SPONSOR: AECOM
3:30 PM	Is a Potable Reuse Project Worth It? A Cost-benefit Analysis of Santa Cruz Water Supply Claudia Llerandi, Kennedy Jenks Heidi Luckenback, City of Santa Cruz Water Department	The Role of Recycled Water in Southern California Nutrient Management Charles Hammond, Mike Falk, and Gregorio Estrada, HDR	How MBR Changes the Paradigm for the Standard DPR Treatment Train Paul Swaim and Larry Schimmoller, Jacobs Brian Bernados, Bernados Water Engineering	Pathogen Log Reduction Crediting: Getting Credit Where Credit Is Due! Amy Childress, USC Anya Kaufmann, Trussell Technologies	AECOM Diamond Panel: Potable Reuse Program Implementation: Opportunities & Challenges John Bednarski, Metropolitan Water District
4:00 PM	To DPR or Not to DPR – That Is the Question: Chino Basin Program Potable Reuse Planning for the Future Adham Almasri, IEUA Melanie Holmer, Jacobs Bryan Trussell, Trussell Technologies	Breaking Down Silos: Advancing One Water Planning through Integrated Municipal Water Programs (WRF Project 5175) Jacquelin Mutter, HDR 	Have a Slice: Modeling Virus Removal through MBR Cake Michael Adelman and Caitlin Glover, Stantec	Everything You Need to Know About Strontium LRV Credits for RO Systems – Methods, Costs, Implementation, & More! Tim Dinh, Trussell Technologies Daniel Lottermoser, City of San Diego	Robert Ferrante, LA County Sanitation Districts Janisse Quiñones, LA Department of Water and Power Barbara Romero, LA Sanitation Kyle Swanson, Padre Dam Water District
4:30 PM	Pure Water for All? Costs & Challenges of a 0.1 MGD SWA IPR Project in the Redwoods Tamara Alaniz, Brooktrails Township Community Services District Andrew Salveson and Pavithra Raghuraman, Carollo	Pure Water San Diego's Approved Reservoir Modeling: A How-To Guide for Both IPR & DPR Sarah Brower, City of San Diego Kareem Hannoun, Water Quality Solutions	Unlocking MBR's Full Potential: Pathogen Removal & Real-Time Monitoring Ben Christensen, Trussell Technologies	Reevaluating the Pathogen Reduction Credit Approval for an Aging Advanced Water Treatment Facility Brittany Liu and Tom Knoell, WRD	
5:00 PM	BREAK – FREE TIME				
5:30 PM	PRESIDENT'S RECEPTION – MARTINI/PALM LAWNS SPONSORS: CENTRAL SAN, HDR, SAN DIEGO COUNTY WATER AUTHORITY, & WALSH GROUP				

CONFERENCE SCHEDULE

TUESDAY, SEPTEMBER 23					
8:00 AM	EXHIBIT HALL & REGISTRATION OPEN TOWN & COUNTRY FOYER (Exhibit Hall: 8:00 AM - 2:30 PM) (Registration: 8:00 AM - 12:30 PM)		BREAKFAST WITH EXHIBITORS TOWN & COUNTRY FOYER		COMMUNICATION COLLABORATIVE GROUP PALM 1-3
	RECYCLED WATER & POTABLE REUSE PLANNING (PART 3) TOWN & COUNTRY B SPONSOR: Woodard & Curran	PFAS (PART 2) TOWN & COUNTRY C SPONSOR: Sacramento Area Sewer District	PILOT/DEMO FACILITIES TOWN & COUNTRY D SPONSOR: Trojan Technologies	WATER QUALITY & MONITORING (PART 2) PALM 4-6 SPONSOR: Mott McDonald	PANEL TOWN & COUNTRY A SPONSOR: Hazen & Sawyer
9:00 AM	Build Water Reuse into Your Water Supply through Adaptive, Progressive Planning Lyndsey Bloxom, Woodard & Curran Peter Martin, Santa Rosa Water	A Streamlined Approach to Adsorptive Media Testing for Reuse Applications Erin Mackey, Brown and Caldwell	One Facility, Two Trains: The Answers to IPR vs DPR Coming Your Way! Sarah Brower, City of San Diego Samantha Hogard, Trussell Technologies Kyle Nelson, Brown and Caldwell	From Detection to Protection: Understanding CEC Passthrough in Potable Reuse Joshua Benjamin, CDM Smith	Hazen Diamond Panel: Running It to Ground: Insights from Groundwater Augmentation Projects Jason Dadakis, OCWD Gina Dorrington, Ventura Water
9:30 AM	From Vision to Action: How to Successfully Launch a Reuse Program Julie Labonte, HDR Erin Maciel, LADWP	Implications of PFAS for Non-Potable Reuse Yasaman Saedi, Stantec	Charting New Waters: LADWP's Headworks DPR Pilot Bryan Trussell, Trussell Technologies Gabriel Vargas, LADWP	Real-Time Detection of Volatile Organic Compounds in RO-Based Potable Reuse Eric Dickenson, Southern Nevada Water Authority Jana Safarik, OCWD 	 Eric Owens, West Basin Scott Rogers, Palmdale Water District
10:00 AM	Building Resiliency Through Holistic Water Reuse Planning: Glendale's Roadmap to Sustainability Ryan Hejka, Arcadis Chisom Obegolu, Glendale Water and Power	Strategies for Managing PFAS in Potable Reuse: Challenges & Regulatory Uncertainty McKay Breuner, Black and Veatch Nasi Basiri, Santa Clara Valley Water District	Optimizing Potable Reuse: Membrane Equipment Selection, Operating Conditions, & Process Performance from 10 Pilot Studies Joshua Benjamin, CDM Smith	Reimagining Water Quality Monitoring with Effect-Based Screening Methods Jack Vanden Heuve, INDIGO Biosciences	

CONFERENCE SCHEDULE

TUESDAY, SEPTEMBER 23

10:30 AM	NETWORKING BREAK – TOWN & COUNTRY FOYER SPONSORS: PCL Construction & Western Municipal Water District				
	DPR (PART 2) TOWN & COUNTRY B SPONSOR: Trussell Technologies	REGULATORY & PERMITTING (PART 2) TOWN & COUNTRY C SPONSOR: WRD	UV TREATMENT TOWN & COUNTRY D SPONSOR: Black & Veatch	OUTREACH (PART 1) PALM 4-6 SPONSOR: Metropolitan Water District of So Cal	PANEL TOWN & COUNTRY A SPONSOR: Las Virgenes Water District
11:00 AM	Integration of Potable Reuse Water into Drinking Water Distribution Systems Nicole Blute and Troy Walker, Hazen and Sawyer	Protecting Public Health Through Robust Cross Connection Control for Potable Reuse Systems Dustin Whyman, Carollo	UV Collimated Beam Testing for UV-AOP Treatment Optimization Ai Jia, Metropolitan Water District of Southern CA Anthony Pimentel, Black and Veatch	Avoid a Blackout Bingo of Predictable Pitfalls with Proactive Communication Strategies for Reuse Projects Sierra Orr and Rob Morrow, WSC David Lawrence, Big Bear Area Regional Wastewater Agency 	Leading the Way: California's First Wave of Surface Water Augmentation Projects Doug Campbell, City of San Diego Kyle Swanson, East County AWP JPA Oliver Slosser, Las Virgenes MWD Erin Mackey, Brown and Caldwell
11:30 AM	Direct Potable Reuse: Insights in Collaboration & Innovation Hossein Ashktorab and Nasi Basiri, Valley Water	The California Road to Reuse: Research, Regulations, & Overcoming Roadblocks Suzanne Brown, LACSD	The Development of UV-LED Technologies and Their Implications for UV/AOP Operations Pierre Kwan, HDR	Lights, Camera, Outreach! Directing Public Engagement for Project Success Rebecca Rubin, Soquel Creek Water District 	
12:00 PM	Plotting a Path to DPR: Valley Water's Permitting Roadmap David Tucker Brie Post and Brian Pecson, Trussell Technologies	Implementing the Cross-Connection Control Policy Handbook: Lessons Learned & Strategies for Recycled Water Collaboration Courtney Rubin and Alex Bucher, West Yost	Two Viable Control Strategies for UV/AOP System Control: The Critical Control Setpoint Approach and LRV-Based Control Alan Royce, Trojan Technologies	Listen, Learn, Lead: How Elected Officials Benefit by Visiting Purification Facilities Mark Millan, Data Instincts 	

CONFERENCE SCHEDULE

TUESDAY, SEPTEMBER 23					
12:30 PM	BLUE DIAMOND SPONSOR LUNCHEON SPONSORED BY: JACOBS GOLDEN STATE BALLROOM				
	ENERGY/ SUSTAINABILITY/ CLIMATE CHANGE TOWN & COUNTRY B SPONSOR: Carollo	NPR, COMMERCIAL, & INDUSTRIAL APPLICATIONS TOWN & COUNTRY C SPONSOR: CDM Smith	OPERATIONS TOWN & COUNTRY D SPONSOR: Hazen & Sawyer and West Basin	OUTREACH (PART 2) PALM 4-6 SPONSOR: AECOM	PANEL TOWN & COUNTRY A SPONSOR: Stantec
2:30 PM	Achieving Net-Zero Energy Water Reuse: Sterling Natural Resource Center's Innovations & Lessons Learned Peter Tymkiw, Arcadis Ash Dhingra, AKD Consulting	Harvest Water: Transforming CA's Agricultural Water Recycling Jofil Borja, Sacramento Area Sewer District Sarah Rhodes, Woodard & Curran Max Mutter, The Freshwater Trust	Partnering with Operations: Preparing a Drinking WTP for Purified Water Damon Roth, Brown and Caldwell Roy Yu, City of San Diego	Water Reuse Project Outreach: It's a Marathon, Not a Sprint April Coady, Eastern Municipal Water District 	What I Wish I Had Known 13 Years Ago Before Spending \$1.7B+ on Potable Reuse: Financial Lessons from San Diego Pure Water Adam Jones and Lisa Celaya, City of San Diego Benjamin Stewart, Stantec Kathleen Noel, Dexter Wilson Engineering
3:00 PM	Ensuring Resiliency in Potable Water Reuse Systems: Climate Adaptation Planning Case Studies by City of Santa Monica and Orange County Water District Claire Johnson, OC Water District Dinaz Kureishy, City of Santa Monica	25 years of Recycled Water Planning & Operations in America's Finest City Mark Elliot, Jacobs Dean Gipson, HDR	Crafting a Strategic Operations RFP – Delivering Mutual Benefits for West Basin & the Contractor Nathan Boyle, Hazen and Sawyer Eric Owens and Barkev Meserlian, West Basin MWD	A How-To Guide for Communications in the Final Stretch of a Potable Reuse Project Sarah Rossetto, Katz & Associates Anna Vacchi-Hill, City of San Diego 	
3:30 PM	Optimal Adoption of Decentralized Water Reuse Systems for Sustainable Water Services Masoumeh Khalkhali, CDM Smith	Missed Opportunities: Small-Scale Reuse of Industrial Waste Jake Lincoln, Cloacina, LLC	Orchestrating Disinfection Operations Between Discharge & Water Recycling – Las Vegas Experience June Leng, Matt Chapman, and Sayed Masrura, HDR	Communications 20/20: Past, Present & Future Planning for Water Reuse Engagement Gabriela Dow and Rebecca Cole, Ardurra 	

SPONSORS & EXHIBITORS

SPONSORS

BLUE DIAMOND

JACOBS

Melanie Holmer
melanie.holmer@jacobs.com



DIAMOND

AECOM

Vijay Sundaram
vijay.sundaram@aecom.com



CAROLLO ENGINEERS

Sanjay Reddy
sreddy@carollo.com



CDM SMITH

Roshanak Aflaki
aflakir@cdmsmith.com



HAZEN AND SAWYER

Nathan Boyle
nboyle@hazenandsawyer.com



PLATINUM

BLACK & VEATCH

Luke Greene
greenel@bv.com



BROWN AND CALDWELL

Jocelyn Morinishi
jmorinishi@brwncald.com



CENTRAL SAN

Melody LaBella
mlabella@centralsan.org



FILANC

Norbert Schulz
nschulz@filanc.com



HDR

Marco Palilla
marco.palilla@hdrinc.com



KENNEDY JENKS

Claudia Llerandi
claudiallerandi@kennedyjenks.com



KIEWIT

Marie Samson
marie.samson@kiewit.com



SPONSORS & EXHIBITORS

KUBOTA WATER ENVIRONMENT

Larry Morris
larry.morris@kubota.com



MOTT MACDONALD

Kelly Graber
kelly.graber@mattmac.com



MWH

Shad Bowman
shad.bowman@mwhconstructors.com



NORTH SAN DIEGO WATER REUSE COALITION

Mike Thornton
thornton@sejpa.org



PCL CONSTRUCTION

Alissa Molina
amolina@pcl.com



STANTEC

Zkir Hirani
zakir.hirani@stantec.com



TORAY MEMBRANE

Kendra Spiers
kendra.spiers.c9@mail.toray



TROJAN TECHNOLOGIES

Tasha DiLoreto
tdiloreto@trojantechnologies.com



VALLEY WATER

Karen Adriano
kadriano@valleywater.com



WALSH GROUP

Alina Shraybman
ashraybman@walshgroup.com



GOLD

ARCADIS

Christine Cotton
christine.cotton@arcadis.com



INLAND EMPIRE UTILITIES AGENCY

Jennifer Hy-Luk
jhyluk@ieua.org



IRVINE RANCH WATER DISTRICT

Paul Cook
cook@irwd.com



LAS VIRGENES MWD

Monica Sanchez
monicasanchez@lacsdsd.org



LOS ANGELES COUNTY SANITATION DISTRICTS

Monica Sanchez
monicasanchez@lacsdsd.org



SPONSORS & EXHIBITORS

LADWP

Rafael Villegas
rafael.villegas@ladwp.com



MCCARTHY BUILDING COMPANIES

David Faber
dlfaber@mccarthy.com



METROPOLITAN WATER DISTRICT OF SO CAL

Rupam Soni
rsoni@mwadh2o.com



ORANGE COUNTY WATER DISTRICT

Gina Ayala
info@ocwd.com



SAN DIEGO COUNTY WATER AUTHORITY

Jessica Cleaver
jcleaver@sdwca.org



TRUSSELL TECHNOLOGIES

Paula Moore
paulam@trusselltech.com



WOODARD & CURRAN

Christy Kennedy
cskennedy@woodardcurran.com



WATER REPLENISHMENT DISTRICT

Janel Ancayan
jancayan@wrd.org



SILVER

EASTERN MUNICIPAL WATER DISTRICT

Joe Mouswad
publicandgovtaffairs@emwd.org



SACRAMENTO AREA SEWER DISTRICT

Jose Ramirez
ramirez@sacsewer.com



WEST BASIN MUNICIPAL WATER DISTRICT

Carla Huguet
carlah@westbasinca.gov



WESTERN MUNICIPAL WATER DISTRICT

Elena Rodrigues
erodrigues@wmwd.com



PURPLE

DATA INSTINCTS

Mark Millan
millan@datainstincts.com



SPONSORS & EXHIBITORS

DOPUDJA & WELLS

Stephen Dopudja
stephen.dopudja@dopudjawells.com



GHD

Jennifer Cable
jennifer.cable@ghd.com



HOCH CONSULTING

Adam Hoch
ahoch@hochconsulting.com



KLIR

Carlina Coleman
carlina.coleman@klir.com



WECK LABORATORIES INC.

Kimberly Banks
kim.banks@wecklabs.com



WEST YOST

Yahaira Lopez
ylopez@westyost.com



WSC

Rob Morrow
rmorrow@wsc-inc.com



BRONZE

PARSONS

Sydney Quilalang
sydney.quilalang@parsons.com



EXHIBITORS

AECOM

Vijay Sundaram
vijay.sundaram@aecom.com



CA/NV AWWA

Sue Mosburg
smosburg@ca-nv-awwa.org



CAROLLO ENGINEERS

Sanjay Reddy
sreddy@carollo.com



CDM SMITH

Roshanak Aflaki
aflakir@cdmsmith.com



CLOACINA, LLC

Chelsea Pendergast
chelseap@cloacina.com



SPONSORS & EXHIBITORS

COOMBS-HOPKINS COMPANY

Brian Villacorta
brianhcwater.com

COOMBS
HOPKINS
— COMPANY —

COVENANT TECHNICAL SOLUTIONS

Gloria Rock
grock@zoominternet.net

covenant™
TECHNICAL SOLUTIONS

EUROFINS EATON ANALYTICAL, LLC

Kevin Calcagno
kevin.calcagno@et.eurofinsus.com

eurofins

FIBRACAST

Michael Leach
michael.leach@fibracast.com

FIBRACAST

GARNEY

Crystal Rubin
crystal.rubin@garney.com

Garney
CONSTRUCTION

GOBLE SAMPSON ASSOCIATES

Eli Wolk
ewolk@goblesampson.com

GOBLE
SAMPSON

HAROLD BECK & SONS

Kemper Whatley
kbwhatley@haroldbeck.com

BECK
ELECTRIC ACTUATORS

IAPMO

Joe Rode
joe.rode@iapmo.org

IAPMO

INDIGO BIOSCIENCES

Devan Faddis
devan@indigobiosciences.com

INDIGO
BIOSCIENCES

KIEWIT

Marie Samson
marie.samson@kiewit.com

Kiewit

KUBOTA WATER & ENVIRONMENT

Larry Morris
larry.morris@kubota.com

Kubota

MICHAEL BAKER INTERNATIONAL

Chantal Tarte
chantal.tarte@mbakerintl.com

Michael Baker
INTERNATIONAL

MOTT MACDONALD

Kelly Graber
kelly.graber@mattmac.com

M
M
MOTT
MACDONALD

MWH CONSTRUCTORS

Shad Bowman
shad.bowman@mwhconstructors.com

MWH
Building a Better World

ORTHOS LIQUID SYSTEMS

Stuart Humphries
shumphries@orthosfilters.com

ORTHOS

PROTEC ARISAWA

Ryan Schlick
ryan.schlick@protec-arisawa.com

PROTEC
arisawa

SPONSORS & EXHIBITORS

PUREFLOW FILTRATION & OZONE DIVISIONS

Michael Kennedy
info@waterbypureflow.com



RINCON

Rosalyn Prickett
Rincon Consultants



TORAY MEMBRANE

Kendra Spiers
kendra.spiers.c9@mail.toray



TROJAN TECHNOLOGIES

Tasha DiLoreto
tdiloreto@trojantechnologies.com



VALLEY WATER

Karen Adriano
kadriano@valleywater.com



VEOLIA

Stephen Katz
stephen.katz@suez.com



VICTAULIC

Connor Torre
connor.torre@victaulic.com



THE WATER RESEARCH FOUNDATION

Julie Minton
jminton@waterrf.org



WECK LABORATORIES

Kimberly Banks
kim.banks@wecklabs.com



WIGEN WATER TECHNOLOGIES

Jaison Rai
jaison.raai@wigen.com



XYLEM

Luigi Tiberi
luigi.tiberi@xylem.com



THANK YOU TO OUR VOLUNTEERS

Dear WaterReuse California Planning Committee,

Thank you for your incredible work in bringing our conference to life. Your dedication and countless hours of planning have created something truly meaningful for our reuse community.

This conference perfectly embodies our mission to reimagine the possibilities for recycled water in California. You've built the essential gathering place our strategic plan envisions, where our community can engage, educate, and grow together.

Your efforts directly support our strategic priorities, providing members with the knowledge and tools they need, creating opportunities for relationships to develop, and building the trust in recycled water that's critical to making it a major component of California's water supply portfolio.

What excites me most is how you've embraced our goal to increase membership engagement.

The thoughtful way you've structured sessions and created space for both seasoned professionals and emerging leaders shows your commitment to cultivating the next generation of recycled water champions.

Thank you for helping us reimagine what's possible for California's water future.

With sincere appreciation,



Thanks for helping
us reimagine
what's possible.

BRENLEY MCKENNA
Managing Director
WaterReuse California

VOLUNTEERS

WaterReuse California would like to thank the 2025 Conference Planning Committee members.

PLANNING COMMITTEE

Aaron Cook, Fallbrook Public Utility District
Antonia Estevez-Olea, West Coast Civil
Jessica Cleaver, San Diego County Water Authority
Jocelyn Morinishi, Brown and Caldwell
Kim Thorner, Olivenhain Municipal Water District
Lindsey Stephenson, Olivenhain Municipal Water District
Megan Drummy, Hazen and Sawyer
Mitch Bartolo, Trussell
Rosalyn Prickett, Rincon Consultants
Ryan Morgan, Vallecitos Water District
Sanjay Reddy, Carollo Engineers
Shoshana Aguilar, San Dieguito Water District
Thomas Falk, San Elijo Joint Powers Authority

TECHNICAL COMMITTEE

Antonia Estevez-Olea, West Coast Civil
Dan Lopez, Black & Veatch
David Larsen, Moulton Niguel Water District
Everett Ferguson, Water Replenishment District
Fred Gerringer, Brown and Caldwell
Gregorio Estrada, HDR
James Reitmeier, Black & Veatch
Julie Minton, The Water Research Foundation
Louis Lefebvre, Carollo Engineers
Medi Sinaki, Valley Water
Mitch Bartolo, Trussell
Nicola A. Fontaine, Carollo Engineers
Steve Wait, GHD

Delivering your full lifecycle of services

From concept to commissioning, Jacobs brings vision to life.



Jacobs

Challenging today.
Reinventing tomorrow.

Follow us @JacobsConnects | [jacobs.com](https://www.jacobs.com)

in     



WATERUSE
CALIFORNIA

SAVE THE DATE



MARCH 8-11

**2026 WATERUSE SYMPOSIUM
LOS ANGELES • CALIFORNIA**

[WATERUSE.ORG/CALIFORNIA](https://wateruse.org/california)