

CONFERENCE SCHEDULE

DRAFT PROGRAM: CONTENT SUBJECT TO CHANGE



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	MEMBRANE TREATMENT & CONCENTRATE MANAGEMENT TOWN & COUNTRY C	DATA MANAGEMENT/ AI/MACHINE LEARNING TOWN & COUNTRY D	PANEL TOWN & COUNTRY A	
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 Roostaie, 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	Richard Bernard, Fairbank, Maslin, Maullin, Metz & Associates Research  CONTINUES	TOURS: PURE WATER SAN DIEGO & EAST COUNTY AWP (1:30 PM – 4:30 PM) Advanced Registration Required

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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, Palmdale 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				
	IPR: GROUNDWATER (PART 2) TOWN & COUNTRY B	DELIVERY METHODS TOWN & COUNTRY C	SOURCE CONTROL TOWN & COUNTRY D	PANEL TOWN & COUNTRY A	WORKSHOP (CONTINUED) WRF Workshop 
3:30 PM	"CAPP"turing Every Last Drop: Carpinteria's Unique Journey to Maximize Potable Reuse Kraig Erickon, Woodward & Curran Andrew Salvesson, 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	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 CONTINUES	CONTINUES

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4:00 PM	Building on Success: Expanding Pure Water Monterey to Increase Regional Water Supply Todd Reynolds, Kennedy Jenks	Innovative Use of Progressive Design-Build for Control System Replacement Projects: Owner & Consultant Perspectives David Kubel, Arcadis John Venner, West Basin MWD	Local Limits – A Complex & Costly Source Control Approach for Potable Reuse Victor Occiano, Brown and Caldwell	<i>(CONTINUED)</i> What I Wish I Had Known 13 Years Ago Before Spending \$1.7B+ on Potable Reuse: Financial Lessons from San Diego Pure Water	<i>(CONTINUED)</i> WORKSHOP WRF Workshop
4:30 PM	WRD's Recharge Successes: Developing a Biogeochemical Roadmap for IPR Gary Gin, LRE Water Everett Ferguson, WRD	Strategic Assessment & Innovative Delivery for a Potable Reuse Program: Pure Water Antelope Valley's Approach Kyleen Marcella, Stantec Scott Rogers, Palmdale Water District	The Importance of Pilot Treatment Systems for Long-term, Multi-optioned Reuse in an Industrial Setting Stephanie Ishii, Hazen and Sawyer		
5:00 PM	BREAK – FREE TIME				
5:30 PM	WELCOME RECEPTION – TOWN & COUNTRY FOYER (5:30 PM - 7:00 PM)				

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				
8:30 AM	OPENING SESSION & MEMBERSHIP MEETING – GOLDEN STATE BALLROOM				
	RECYCLED WATER & POTABLE REUSE PLANNING (PART 1) TOWN & COUNTRY B	DESIGN TOWN & COUNTRY C	WASTEWATER & REUSE TOWN & COUNTRY D	ECONOMICS, FINANCING, FUNDING PALM 4-6	PANEL TOWN & COUNTRY A
9:45 AM	Reframing West Basin MWD's Recycled Water Program with Cost Insight Eric Owens and Berkev Meserlian, 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 Afalakai
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 	

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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 Afalakai, 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>				
1:15 PM	<p>BREAK — FREE TIME</p>				

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	DPR (PART 1) TOWN & COUNTRY B	PFAS (PART 1) TOWN & COUNTRY C	AGENCY COORDINATION TOWN & COUNTRY D	WATER QUALITY & MONITORING (PART 1) PALM 4-6	PANEL TOWN & COUNTRY A
1:30 PM	DPR Without O3/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 UVARP: Pioneering New Frontiers in PFAS Destruction Susheera Pochiraju, Hazen and Sawyer	Two Agencies Working in Partnership to CAPpture 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	REGULATORY & PERMITTING (PART 1) TOWN & COUNTRY C	MBR & REUSE TOWN & COUNTRY D	PATHOGEN CREDITING PALM 4-6	PANEL TOWN & COUNTRY A
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 Deven Upadhyay, 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, Inland Empire Utilities Agency 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 Melanie Richardson, Valley Water 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 Salvesson 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				




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	PFAS (PART 2) TOWN & COUNTRY C	PILOT/DEMO FACILITIES TOWN & COUNTRY D	WATER QUALITY & MONITORING (PART 2) PALM 4-6	PANEL TOWN & COUNTRY A	
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				
	DPR (PART 2) TOWN & COUNTRY B	REGULATORY & PERMITTING (PART 2) TOWN & COUNTRY C	UV TREATMENT TOWN & COUNTRY D	OUTREACH (PART 1) PALM 4-6	PANEL TOWN & COUNTRY A
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 	

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12:30 PM	BLUE DIAMOND SPONSOR LUNCHEON SPONSORED BY: JACOBS GOLDEN STATE BALLROOM				
	ENERGY/ SUSTAINABILITY/ CLIMATE CHANGE TOWN & COUNTRY B	NPR, COMMERCIAL, & INDUSTRIAL APPLICATIONS TOWN & COUNTRY C	OPERATIONS TOWN & COUNTRY D	OUTREACH (PART 2) PALM 4-6	PANEL TOWN & COUNTRY A
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 	An Engineer, a Contractor, & a Construction Manager Walk into a Project: Successfully Delivering San Diego's Pure Water Conveyance System
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 	Sean McCarty, West Coast Civil Richard Fernandez, City of San Diego Sameh Tadros, City of San Diego Matt Fleming, Sukut
3:30 PM	Balancing the Energy-Water Nexus: Effects of Upstream Energy and Water Use on the Total Footprint of CA Data Centers Alexandra Setmajer and Greg Metcalf, Equinix	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 	