

2024 CONFERENCE SCHEDULE

SEPT 15-17
GARDEN GROVE, CA



SUNDAY, SEPTEMBER 15

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| 11:00 am – 6:00 pm | REGISTRATION OPEN – GRAND BALLROOM FOYER | | | |
| 1:30 pm – 4:30 pm | TECHNICAL TOURS SPONSORS: IRVINE RANCH WATER DISTRICT AND ORANGE COUNTY WATER DISTRICT | | | |
| 2:00 pm – 5:00 pm | WRCA BOARD OF TRUSTEES MEETING – SALONS VII-VIII | | | |
| | <p>AGENCY COLLABORATION ON REUSE PROJECTS GARDEN 1-2</p> <p>Sponsor: Eastern Municipal Water District</p> <p>Moderator: Darrell Johnson, Las Virgenes Municipal Water District</p> | <p>RO CONCENTRATE MINIMIZATION/ DISPOSAL – CHALLENGES AND STRATEGIES GARDEN 4</p> <p>Sponsor: Verdantas</p> <p>Moderator: Steve Wait, GHD</p> | <p>WATER YOU WAITING FOR? DIVE INTO THE CALVAL REVOLUTION! GARDEN 3</p> <p>Sponsor: Kiewit</p> <p>Moderator: Kevin Hardy, NWRI</p> | <p style="text-align: center;">WORKSHOP</p> <p style="text-align: center;">THE WATER RESEARCH FOUNDATION (WRF) WORKSHOP ON COMMUNITY ENGAGEMENT HARBOR ROOM</p> <p style="text-align: center;"><i>WORKSHOP FULL – MUST BE PRE-REGISTERED</i></p> |
| 1:00 pm – 1:30 pm | <p>Successful Multi-Agency Recycled Water Program Development in Western Riverside County</p> <p>Paul Jones, Dopudja & Wells Consulting, Inc. Gary Miller, Western Water MWD Jesse Pompa, Jurupa Community Services District</p> | <p>Calleguas Regional Salinity Management Pipeline: Lessons Learned from the First 10 Years of Operation</p> <p>Kristine McCaffrey, Calleguas Municipal Water District</p> | <p>Jesus Gonzalez, Los Department of Water & Power Shane Trussell, Trussell Technologies</p> | |
| 1:30 pm – 2:00 pm | <p>Navigating Regulatory Challenges of Reverse Osmosis Concentrate Discharge</p> <p>McKay Breuner, Black & Veatch Nasi Basiri, Santa Clara Valley Water District</p> | <p>Designing an Advanced Water Treatment Demonstration Facility to Optimize Full-scale Brine Economics for an Inland Potable Reuse Program</p> <p>Tyler Hadacek and Yamrot Amha, Stantec</p> | | |
| 2:00 pm – 2:30 pm | <p>Water Reuse as a Game Changer in Groundwater Sustainability</p> <p>Rosalyn Prickett, Rincon Consultants</p> | <p>Big Bear’s Double Black Diamond: Navigating High Recovery, Stringent Water Quality Goals, and Concentrate Disposal Challenges</p> <p>Matt Rodrigues, Water Systems Consulting Rodrigo Tackaert, Trussell Technologies</p> | | |

SUNDAY, SEPTEMBER 15 (CONTINUED)

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| <p>2:30 pm – 3:00 pm</p> | <p>Achieving Social Equity in Water Reuse</p> <p>Shannon Spurlock, Pacific Institute Ken Billups, AECOM Vijay Sundaram, AECOM</p> | <p>Successful Strategies for RO Concentrate Discharge Compliance in Potable Reuse</p> <p>Brie Post, Trussell Technologies</p> | | <p>THE WATER RESEARCH FOUNDATION WORKSHOP CONTINUED</p> |
| <p>3:00 pm – 3:30 pm</p> <p>NETWORKING BREAK – GRAND BALLROOM FOYER SPONSORS: SACRAMENTO AREA SEWER DISTRICT AND JURUPA COMMUNITY SERVICES DISTRICT</p> | | | | |
| | <p>PLANNING FOR AND MANAGING RECYCLED WATER SYSTEMS WITH DECLINING WASTEWATER FLOWS GARDEN 1-2</p> <p>Sponsor: Orange County WD</p> <p>Moderator: Melody LaBella, Central Contra Costa Sanitary District</p> | <p>SOURCE CONTROL FOR POTABLE REUSE PROJECTS GARDEN 4</p> <p>Sponsor: Central Contra Costa Sanitation District</p> <p>Moderator: Jessica Cleaver, San Diego County Water Authority</p> | <p>INTEGRATING DPR INTO DRINKING WATER SYSTEMS GARDEN 3</p> <p>Sponsor: Hazen & Sawyer</p> <p>Moderator: Troy Walker, Hazen & Sawyer</p> | <p>THE WATER RESEARCH FOUNDATION WORKSHOP CONTINUED</p> <p><i>WORKSHOP FULL – MUST BE PRE-REGISTERED</i></p> |
| <p>3:30 pm – 4:00 pm</p> | <p>When Wastewater Runs Dry: A Roadmap for Expanding Recycled Water Supply</p> <p>Katie Ruby, Brown & Caldwell Dan Gill, Dublin San Ramon Services District</p> | <p>DPR and IPR: Know the Impacts to Your Wastewater Source Control Program</p> <p>Mary Kate Forkan, Carollo Engineers Kristel Baumgardner, Carollo Andy Salveson, Carollo</p> | <p>Nathan Boyle, Hazen and Sawyer Heather Collins, Metropolitan Water District of Southern California Jesus Gonzalez, Los Angeles Department of Water & Power Doug Campbell, City of San Diego</p> | |
| <p>4:00 pm – 4:30 pm</p> | <p>Securing Santa Cruz Water Future: A Pathway to a Resilient Water Supply in the Age of Climate Change</p> <p>Claudia Llerandi, Kennedy Jenks</p> | <p>Steps for Moving from Industrial Pretreatment Program to Enhanced Source Control Program for Indirect Potable Reuse</p> <p>Farzaneh Shabani, Carollo Manik Mohandas, Los Angeles Sanitation & Environment</p> | | |
| <p>4:30 pm – 5:00 pm</p> | <p>Salt Happens: Regional Approaches to Salinity Management for Recycled Water in the Santa Ana River Watershed</p> <p>Michael Cruikshank, Water Systems Consulting</p> | <p>Relationship Building and Information Sharing for Effective Source Control in Water Reuse</p> <p>Bob Weinschrott, Hazen and Sawyer Katie Vanyo, Hazen and Sawyer</p> | | |
| <p>5:00 pm – 5:30 pm</p> | <p>BREAK – FREE TIME</p> | | | |
| <p>5:30 pm – 7:00 pm</p> | <p>WELCOME RECEPTION – GRAND BALLROOM E-G SPONSORS: JACOBS, MCCARTHY BUILDING COMPANY, TRUSSELL TECHNOLOGIES, WATER REPLENISHMENT DISTRICT</p> | | | |

MONDAY, SEPTEMBER 16

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| 7:30 am – 5:00 pm | REGISTRATION OPEN – GRAND BALLROOM FOYER |
| 7:30 pm – 3:30 pm | EXHIBIT HALL OPEN – GRAND BALLROOM E-G |
| 7:30 am – 8:30 am | CONTINENTAL BREAKFAST – GRAND BALLROOM FOYER SPONSORS: SAN DIEGO COUNTY WATER AUTHORITY AND WEST BASIN MUNICIPAL WATER DISTRICT |
| 8:30 am – 9:30 am | OPENING SESSION – GRAND BALLROOM A-D BRENLEY MCKENNA, DAVE PEDERSEN, AND ERIC HOEK (KEYNOTE) SPONSORS: BLACK & VEATCH, IRVINE RANCH WATER DISTRICT, MISCO WATER, MWH CONSTRUCTORS, AND METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA |

| | DIRECT POTABLE REUSE OPERATION GARDEN 3 Sponsor: Irvine Ranch Water District Moderator: Erin Mackey, Brown and Caldwell | PUBLIC OUTREACH, EDUCATION, AND COMMUNICATIONS SUCCESS STORIES GARDEN 1-2 Sponsor: Las Virgenes Water District Moderator: Ryan Long, Data Instincts | IMPLEMENTING ONSITE REUSE FOR DUAL-PLUMBED FACILITIES PACIFIC ROOM Sponsor: Mott MacDonald Moderator: Brian Codianne, Kubota | SUCCESSFUL INDIRECT POTABLE REUSE PROGRAMS GARDEN 4 Sponsor: Valley Water Moderator: Brian Dietrick, Woodard & Curran | UTILIZING MBR IN POTABLE REUSE PROJECTS - PART 1 HARBOR ROOM Sponsor: Stantec Moderator: Gary Silverman, FILANC |
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| 9:45 am – 10:15 am | Facing a Complex Compliance Future – An Operational Case Study at the Albert Robles Center Advanced Water Treatment Facility Tom Knoell, Water Replenishment District Brittany Liu, Water Replenishment District | Perfect Pitch: Outreach Is Your Best Closer for a Big Win Rebecca Rubin, Soquel Creek Water District | Navigating the Waters of Implementing On-site Reuse Allison Good, Sherwood Design Engineers Vincent Gruffat, Natural Systems Utilities | The Challenge of Too Small: Understanding and Overcoming the Challenges of Small Potable Reuse Projects in California Martin Wilder, County of Santa Barbara Kevin Thompson, Laguna County Sanitation District Andy Salveson, Carollo | A Full-Scale Demonstration of MBR and Absolute-Rated Cartridge Filters for RO Pretreatment Michael Adelman, Stantec Alex Waite, City of Santa Monica Pooja Oberoi, Stantec |
| 10:15 am – 10:45 am | Ducks in a Row – Planning for a Successful Startup and Commissioning of an AWPF Melanie Mow Schumacher, Soquel Creek Water District Austin Cunniff, Black & Veatch | From Source to Sip: Strategies for Communicating About Indirect and Direct Potable Reuse Elisa Mendez, Metropolitan Water District of Southern California Chris Foley, Metropolitan Water District of Southern California | Recycled Water Can Make Data Centers Cooling More Efficient and Sustainable Ufuk Erdal, Black & Veatch | Implementation of Purified Recycled Water for one of the World's Largest Agricultural Non-potable Water Reuse Systems Andrew Salveson, Carollo | The Road to Completion of the First California MBR for IPR Kaitie Gellerman, Black & Veatch Erick Bevington, City of Morro Bay Anthony Pimentel, Black & Veatch |
| 10:45 am – 11:15 am | The Rigor Required for DPR – What's Required from Operational Management? Troy Walker, Hazen and Sawyer | Message In a Bottle: Promoting Potable Reuse with Bottled Water Valley Water Zach Helsley, Valley Water Bryce McFerrin, Trussell Technologies | Managing Recycled Water Dual Plumbed Systems Steven Molina, Yucaipa Valley Water District | Implementing LA's Groundwater Replenishment Program Andrew Han, LA Department of Water & Power Michael Bustillo-Sakhai, LA Department of Water & Power Richard Southerland, LASAN | MBR and UV AOP Performance Optimization Adds Resiliency for Potable Reuse Anthony Pimentel, Black & Veatch Zeynep Erdal, Black & Veatch |

MONDAY, SEPTEMBER 16 (CONTINUED)

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| <p>11:15 am – 11:45 am</p> | <p>Palo Alto's Advanced Water Purification System – Operations Planning and Improving Non-Potable Reuse</p> <p>Diego Martinez-Garcia, City of Palo Alto</p> <p>Kaitie Gellerman, Black & Veatch</p> | <p>Giving Your Outreach Strategy a "Glow Up"</p> <p>Richard Fernandez, City of San Diego</p> <p>Sarah Rossetto, Katz & Associates</p> | | <p>Coping with Water Scarcity through Indirect Potable Reuse: A Successful Story Carried Out in Barcelona</p> <p>Antoni Munne, Catalan Water Agency</p> | <p>Ventura MBR/UV Project: Increased Reliability; Lower Nitrogen; and Potable Reuse</p> <p>Todd Reynolds, Kennedy Jenks</p> |
| <p>11:45 am – 1:15 pm</p> | <p>WATEREUSE 2024 AWARDS LUNCHEON – BALLROOM A-D HOSTED BY PAUL SCIUTO AND ANNALIESE TORRES SPONSORS: KENNEDY JENKS AND MONTEREY ONE WATER</p> | | | | |
| | <p>ENVIRONMENTAL ENHANCEMENT WITH REUSE GARDEN 4</p> <p>Sponsor: HDR</p> <p>Moderator: Paul Weghorst, Irvine Ranch Water District</p> | <p>ALTERNATIVES TO POTABLE REUSE GARDEN 3</p> <p>Sponsor: Brown & Caldwell</p> <p>Moderator: Dave Ebersold, CDM Smith</p> | <p>REGIONAL APPROACHES TO RECYCLED WATER USE PACIFIC ROOM</p> <p>Sponsor: Monterey One Water</p> <p>Moderator: Jim Lee, Eastern Municipal Water District</p> | <p>LRV COMPLIANCE STRATEGIES HARBOR ROOM</p> <p>Sponsor: Verdantas</p> <p>Moderator: Alison Imamura, Monterey One Water</p> | <p>THE RACE TO DPR – WHO'S IN THE POLE POSITION? GARDEN 1-2</p> <p>Sponsor: Jacobs</p> <p>Moderator: Rich Nagel, Jacobs</p> |
| <p>1:30 pm – 2:00 pm</p> | <p>The California Environmental Flows Framework: Tools to Inform Water Management Decisions that Benefit the Environment</p> <p>Kris Taniguchi-Quan, Southern CA Coastal Water Research Project</p> <p>Eric Stein, Southern California Coastal Water Research Project</p> <p>Sarah Yarnell, UC Davis Center for Watershed Sciences</p> | <p>City of Napa: Seasonal Impacts of Non-Potable Reuse on Direct Potable Reuse Feasibility</p> <p>Andrew Salvesson, Carollo</p> <p>Cora LeMar, Carollo</p> | <p>Winning Partnerships – Agriculture & Industrial Synergies for Reuse in the Central Valley</p> <p>Margaret Wild, Kennedy Jenks</p> | <p>Designing a Project Specific Virus Log Removal Study to Demonstrate Virus Removal during Soil Aquifer Treatment</p> <p>Julio Polanco, Orange County Water District</p> <p>Claire Johnson, Orange County Water District</p> | <p>Evelyn Cortez-Davis, Los Angeles Department of Water & Power</p> <p>Jesus Gonzalez, Los Angeles Department of Water & Power</p> <p>Juan Guerreiro, San Diego</p> <p>Kirsten Struve, Valley Water</p> <p>Deven Upadhyay, MWD</p> |
| <p>2:00 pm – 2:30 pm</p> | <p>WateReuse?? Emerging from a Rock and a Hard Place: The City of Ventura's Environmental Challenges of Diverting Wastewater Effluent</p> <p>Vincent Ines and Sarah Mulder, City of Ventura</p> | <p>Ocean Desalination vs. Direct Potable Reuse: Solving the New Water Supply Conundrum</p> <p>Elisa Mendez and Chris Foley, Metropolitan Water District of Southern California</p> | <p>Partnering with Regulators: Navigating the Waters of Engagement and Negotiation for Project Success</p> <p>Samantha Adams and Eric Lindberg, Santa Ana Regional Water Quality Control Board</p> <p>Don Bunts, Santa Margarita Water District</p> | <p>Predictive Models for Assessing Virus Log Reduction in Advanced Water Treatment Processes</p> <p>Krista Wigginton, University of Michigan</p> | <p>Sunny Wang, Santa Monica</p> |
| <p>2:30 pm – 3:00 pm</p> | <p>Envisioning the Fairfield-Suisun Community Treatment Wetland Project</p> <p>Jeannette Laramee, Sherwood Design Engineers</p> | <p>Alternatives in Direct Potable Reuse: Reality or Fantasy?</p> <p>Scott Miller, Ufuk Erdal, and Anthony Pimentel, Black & Veatch</p> | <p>Establishing Pathogen LRVs Using Marker-Based RO Integrity Testing</p> <p>Ganesh Krishnamurthy, Elsinore Valley Municipal Water District</p> | <p>Eric Kong, Freese and Nichols, Inc.</p> <p>Manish Kumar, University of Texas – Austin</p> <p>Keisuke Ikehata, Texas State University</p> | |

MONDAY, SEPTEMBER 16 (CONTINUED)

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| 3:00 pm – 3:30 pm | NETWORKING BREAK – GRAND BALLROOM E-G SPONSORS: EASTERN MUNICIPAL WATER DISTRICT AND SACRAMENTO AREA SEWER DISTRICT | | | | | |
| 3:30 pm – 4:00 pm | POTABLE REUSE REGULATIONS AND PERMITTING COMMITTEE – SALONS VII-VIII | | | | | |
| | ECONOMICS, FINANCING, AND FUNDING PACIFIC ROOM Sponsor: AECOM Moderator: Phuong Watson, Water Replenishment District | USE OF OZONE/BAC IN POTABLE REUSE TREATMENT TRAINS HARBOR ROOM Sponsor: Trussell Technologies Moderator: Mitch Bartolo, Trussell Technologies | DATA COLLECTION, INFORMATION MANAGEMENT, & DECISION SUPPORT FRAMEWORKS GARDEN 1-2 Sponsor: Orange County Water District Moderator: Michael Gaunt, Mott MacDonald | SHOW, DON'T TELL: WHY VISITOR CENTERS FOR WATER REUSE MAKE A DIFFERENCE GARDEN 3 Sponsor: Black & Veatch Moderator: Mark Millan, Data Instincts | A COUNTYWIDE REGIONAL WATER AND WASTEWATER COMMITTEE PROMOTES REUSE GARDEN 4 Sponsor: MISCO Water Moderator: Eric Rosenblum, Water Resource Consultant | WRCA STRATEGIC PLANNING LISTENING SESSIONS: OPEN FORUM SALON III |
| 3:30 pm – 4:00 pm | Innovative Funding Programs to Facilitate and Incentive Recycled Water Conversions Nate Adams, Santa Margarita Water District | The True Cost of the DPR Treatment Aleks Pisarenko, Trussell Technologies Shane Trussell, Trussell Technologies | Transforming Water Reuse Management Strategies: Innovative Solutions for Efficiency and Runoff Mitigation Alex Thomas, Moulton Niguel Water District | Riki Clark, Las Virgenes Municipal Water District Rachel Gaudoin, Monterey One Water Lakeisha Bryant, Santa Clara Valley Water District Jenn Swart, Water Replenishment District | Shannon Spurlock, Pacific Institute | Stop by and share your feedback! This is your opportunity to shape the next three years of WaterReuse California. Hosted by Katie Burkhart, MatterLogic |
| 4:00 pm – 4:30 pm | Pure Water Antelope Valley's Funding Strategy Scott Rogers, Palmdale Water District Kim Pugel, Stantec | Formation and Fate of Transformation Products and Oxidation By-products during Ozone/BAC Treatment Uwe Huebner, Xylem Services | Twice as Nice: Future-Proofing Recycled Water Infrastructure using a Digital Twin Connor Rutten, Kennedy Jenks | | | |
| 4:30 pm – 5:00 pm | Going Beyond WIFIA, SRF, and WaterSMART Grants-Planning and Funding Strategies for Water Reuse Projects John Dorman, AECOM | Ozone/BAC Design and Construction Guidelines for Direct Potable Reuse Vijay Sundaram and Chelsea Jiang, AECOM Karthik Kumarasamy, Arizona Department of Environmental Quality | From Desktop to Implementation: A Data-Driven Approach in Process Monitoring and Controls in Reuse Applications with ML and Beyond Yoko Koyama, Carollo Engineers Andrew Huang, OCWD | | | |
| 5:00 pm – 5:30 pm | BREAK – FREE TIME | | | | | |
| 5:00 pm – 7:00 pm | PRESIDENT'S RECEPTION – FOUNTAIN TERRACE SPONSORS: HDR, KUBOTA, LAS VIRGENES MUNICIPAL WATER DISTRICT, STANTEC AND LOS ANGELES COUNTY SANITATION DISTRICT | | | | | |

TUESDAY, SEPTEMBER 17

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|---------------------|---|--|--|---|---|
| 8:00 am – 12:00 pm | REGISTRATION OPEN – GRAND BALLROOM FOYER | | | | |
| 8:00 am – 2:30 pm | EXHIBIT HALL OPEN – GRAND BALLROOM E-G | | | | |
| 8:00 am – 9:00 am | COMMUNICATION COLLABORATIVE GROUP – SALONS VII-VIII | | | | |
| 8:00 am – 9:00 am | BREAKFAST WITH THE EXHIBITORS – GRAND BALLROOM E-G | | | | |
| | REGULATORY, POLICY, AND COMPLIANCE ISSUES PACIFIC ROOM Sponsor: LA Department of Water and Power Moderator: Dina Rochford, Verdantas | PILOTING ADVANCEMENTS WATER TREATMENT SYSTEMS FOR DIRECT POTABLE REUSE GARDEN 1-2 Sponsor: Filanc Moderator: Oliver Slosser, Las Virgenes Municipal Water District | ADVANCEMENTS IN RO TREATMENT TECHNOLOGIES FOR POTABLE REUSE HARBOR ROOM Sponsor: Kubota Moderator: Medi Sinaki, Valley Water | PFAS IMPACT ON POTABLE REUSE GARDEN 4 Sponsor: MWH Constructor Moderator: Jennifer Jacobus, Rincon Consultants | PURE WATER PROJECTS: OVERCOMING THE CHALLENGE OF TIME AND BUILDING A BRIDGE TO THE FUTURE GARDEN 3 Sponsor: Carollo Moderator: Andy Salvesson, Carollo |
| 9:00 am – 9:30 am | Lessons Learned from a Greenfield Groundwater Replenishment & Reuse Project Jeff Noelte, East Valley Water District Rosalyn Prickett, Rincon Consultants | Assessing Treatability of Different Source Water Blends for Raw Water Augmentation Applications Gloria Lai-Bluml, Metropolitan Water District of Southern California Michael Adelman, Stantec | Reverse Osmosis with Removal and Destruction of PFAS from the Concentrate Tamzen Macbeth, CDM Smith | The Beginning of the End; Piloting Electrochemical Oxidation for PFAS Destruction in Membrane Concentrate Conner Murray, Hazen and Sawyer | Defining the Need for Alternative Water Supply in the Face of Climate Change – Manisha Kothari, San Francisco Public Utilities Commission Maintaining Constant Communication for the Project Lifetime – Sara Katz, Katz and Associates |
| 9:30 am – 10:00 am | Developing a DPR Permit Application: A Roadmap Anya Kaufmann, Trussell Technologies | A.K. Warren Water Resource Facility Nitrogen Management Research Journey – Pathway to Selection of MBR, Sidestream Treatment, and High-Purity Oxygen Nitrogen Removal Bruce Mansell, Los Angeles County Sanitation Districts Joyce Lehman, Metropolitan Water District of Southern California | Testing Removal of 1,2,3-Trichloropropane by Reverse Osmosis in Potable Reuse Applications Lindsay LaBrecque, Jacobs Michael Hwang, Jacobs | PVDF and PFAS – A Summary of Pending Regulations at Home and Abroad Anthony Zamarro, CDM Smith | Building Regulatory Certainty through CalVal – Mike McCullough, Monterey One Water and Amos Branch, Carollo Cost Escalation, Project Funding, Public Messaging – Joe McDermott, Las Virgenes Municipal Water District |
| 10:00 am – 10:30 am | Uncertainty Considerations for Quantitative Relative Chemical Analysis Christopher Jones, Brown and Caldwell | San Diego Successfully Demonstrates 95% Recovery with 3-Stage Conventional Reverse Osmosis: Latest Results from North City Pure Water Facility Doug Campbell, City of San Diego Aleks Pisarenko, Trussell Technologies | Insights into RO Fouling in an MBR-RO System Michael Adelman, Stantec Yasushi Terao, Kubota Membrane USA Larry Morris, Kubota Membrane USA | PFAS: Regulations, Challenges, and Path Forward Val Frenkel, TYLin Greeley and Hansen Water Solutions | Success Against Challenging Opposition – Melanie Schumaker, Soquel Creek Water District |

TUESDAY, SEPTEMBER 17 (CONTINUED)

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| 10:30 am – 11:00 am | NETWORKING BREAK – GRAND BALLROOM E-G SPONSOR: WEST BASIN MUNICIPAL WATER DISTRICT | | | | |
| | ADVANCEMENTS IN TREATMENT TECHNOLOGIES FOR RECYCLED WATER - PART 1 PACIFIC ROOM Sponsor: Hazen & Sawyer Moderator: Alex Cali, MISCO Water | ALTERNATIVE DELIVERY METHODS FOR IMPLEMENTING DIRECT POTABLE REUSE GARDEN 1-2 Sponsor: Black & Veatch Moderator: Quentin Williams, MWH | POTABLE REUSE SUCCESS STORIES GARDEN 4 Sponsor: CDM Smith Moderator: Jennifer West, HDR | OPERATIONS MONITORING AND LESSONS LEARNED HARBOR ROOM Sponsor: Woodard & Curran Moderator: Marc Damikolas, AECOM | PREDICTING WHAT YOU CAN'T SEE: A RETROSPECTIVE FROM EXPERTS WHO HAVE IMPLEMENTED GROUNDWATER REPLENISHMENT REUSE GARDEN 3 Sponsor: Kennedy Jenks Moderator: Paul Chau, Kennedy Jenks |
| 11:00 am – 11:30 am | Cost-Effective Approaches for Control of Multiple Constituents of Emerging Concern (CECs) – WRF #5171 Gayathri Ram Mohan, Hazen and Sawyer Christine Owen, Hazen and Sawyer | Case Study: Procurement of a Contract Operator for Advanced Water Treatment Facilities in Southern California Phuong Watson, Water Replenishment District | Wichita Falls, TX's DPR Experience; A Water Quality Perspective Joshua Benjamin, CDM Smith Greta Zornes, CDM Smith | Use of Online TOC Analyzers for Real-Time Monitoring of Secondary Effluent that is Influent (Source) Water to Advanced Purification for Potable Reuse Jana Safarik, Orange County Water District | You went through all the trouble of developing a fantastic purified recycled water supply—now what? Groundwater replenishment is one of the preeminent choices for potable reuse—benefiting from several successful legacy projects in California and aligning with the State's Sustainable Groundwater Management goals. Eric Owens, West Basin Municipal Water District Heather Dyer, San Bernadino Valley Municipal Water District Sunny Wang, City of Santa Monica |
| 11:30 am – 12:00 pm | Do We Need an Alternative to Polyvinylidene Fluoride-based Membranes and Where Will it Come from? Minhao Xiao, University of California Los Angeles | Operations and Maintenance "At-Risk" (OMAR) – An Innovative and Collaborative Approach to Managing AWPF Operations Anup Shah, Black & Veatch Melanie Mow Schumacher, Soquel Creek Water District | How to Accelerate the First Large Scale DPR Project in Northern California? Hossein Ashktorab, Santa Clara Valley Water District Nasi Basiri, Santa Clara Valley Water District | How Best to Invest in Online Instrumentation that Empowers Operations Alexandra Greenfield, Woodard & Curran Carrie Del Boccio, Woodard & Curran | |
| 12:00 pm – 12:30 pm | Byproduct Formation during Full and Bench-scale UV/Chlorine and UV/Hydrogen Peroxide for Potable Reuse Nathan Moore, Brown and Caldwell | Progressive Design-Build Delivery Model Yields Innovative Design of AWPF Larry Schimmoller, Jacobs Gabriel Vargas, Ford E.C., Inc. | A Goldilocks Approach to Reuse – Finding the "Just Right" Balance in Design to Address Challenging Water Quality, Space Constraints, and Multiple Jurisdictions Ron Duncan, Soquel Creek Water District | Operational Monitoring of Enteric Viruses for DPR Compliance Pooja Sinha Oberoi, Stantec Michael Adelman, Stantec Caitlin Glover, Stantec | |
| 12:30 pm – 2:00 pm | WATEREUSE CALIFORNIA ANNUAL MEMBERSHIP MEETING & FAMILY FEUD – GRAND BALLROOM A-D GAME HOST: ARMIN TARZI SPONSORS: AECOM, BROWN & CALDWELL, CENTRAL CONTRA COSTA SANITATION DISTRICT, AND VALLEY WATER AND XYLEM | | | | |
| 2:00 pm – 2:30 pm | NETWORKING BREAK – GRAND BALLROOM E-G SPONSORS: LOS ANGELES DEPARTMENT OF WATER & POWER | | | | |

TUESDAY, SEPTEMBER 17 (CONTINUED)

| | ADVANCEMENTS IN TREATMENT TECHNOLOGIES FOR RECYCLED WATER - PART 2 GARDEN 4 Sponsor: Kiewit Moderator: Faraz Asad, SWRCB DDW | ENVIRONMENTAL IMPACTS OF BRINE DISCHARGE AND ENERGY AND WATER REUSE NEXUS PACIFIC ROOM Sponsor: CDM Smith Moderator: Rochanak Aflaki, CDM Smith | POTABLE REUSE CONVEYANCE & INFRASTRUCTURE IMPACTS GARDEN 1-2 Sponsor: McCarthy Building Company Moderator: Greg Sands, Woodard & Curran | HOW WELL DO YOU REALLY KNOW YOUR AUDIENCE? GARDEN 3 Sponsor: Woodard & Curran Moderator: Sara Katz, Katz & Associates | WATER REUSE IN ACADEMICS HARBOR ROOM Sponsor: Irvine Ranch Water District Moderator: Julio Polanco, Orange County Water District |
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| 2:30 pm – 3:00 pm | Next-Generation UV Designs for Non-Potable Reuse Douglas Wing, Carollo Mike Prinz, City of Santa Rosa | Traci Minamide, CDM Smith Hubertus Cox, LA Sanitation and Environment Mark Gold, Natural Resources Defense Council (NRDC) Eric Hoek, University of California Los Angeles (UCLA) | Pure Water Conveyance: Delivering Regional Drought-Resiliency to Southern California Jim Wilson, Metropolitan Water District of Southern California Chao Sheu Wong, Metropolitan Water District of Southern California Hedieh Esfahani, Metropolitan Water District of Southern California | Sara Katz, Katz & Associates Adam Probolsky, Probolsky Research Charley Wilson, Southern California Water Coalition | Calculating Log Reduction Value Percentiles from Pathogen Concentrations for Crediting in Wastewater Treatment Systems Matthew Verbyla, San Diego State University |
| 3:00 pm – 3:30 pm | Keeping Your I's On Reuse – The Role of Ion Exchange in Reuse John Civardi, Mott MacDonald | | Purple Pipe to Potable: A Case Study Sebastien Rossouw, Los Angeles Department of Water & Power Kyle Hamilton, Jacobs | | Maximizing Free Chlorine Disinfection Credit for Coxsackievirus B5 in Recycled Water Alma Bartholow, University of California, Berkeley Tim Dinh, Trussell Technologies |
| 3:30 pm – 4:00 pm | Planning Considerations for Retrofitting an Existing Open Channel UV System to a Closed Vessel System at Victor Valleys Subregional WRF Aaron Gress, Hoch Consulting | | Readiness Planning for Pure Water: Navigating the Many Impacts on Existing Infrastructure Benjamin Kuhnel, Stantec Doug Campbell, City of San Diego | | |