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Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
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0.6 MGD Validation of a Unique Tertiary MBR Process to Provide NdN for Pure Water	9/29/25	1:30 PM	Applications and Optimization of MBR Technology	1:30 PM	Liu, Michael	6
Hybrid MABR Technology for Nitrogen Removal in a Low Suspended Growth SRT	9/29/25	1:30 PM	Low SRT Performance of Membrane Aerated Biofilm Reactors (MABR)	1:30 PM	Cunningham, Michael	24
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Multi-Phase Treatability Study For High-Strength Landfill Leachate	9/29/25	1:30 PM	Anaerobic Treatment of High Strength Industrial Wastewater	1:30 PM	Mehrazaran, Mehdi	91
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Unlocking the Power of Wastewater Data	9/29/25	3:30 PM	Data in Action! Data-Driven Optimization Models	3:30 PM	Goldman, Josh	505
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The Arid-Urban, Watershed-Lake Paradox: Traditional Stormwater Infiltration for Nutrient Load Reduction has a Negative Impact to Downstream Water Quality	9/29/25	3:30 PM	Balancing Act: Nutrients, Water Quality, and Ecosystems	3:30 PM	Wolosoff, Steve	547
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Reducing Capital Cost in Process Design with Digital Twins: Two Full-Scale Case Studies	9/29/25	4:00 PM	Innovative Approaches to Design and Optimization	3:30 PM	Yang, Cheng	588
Coupling MABR & MBR: The Wastewater Technology Combination Of The Future?	9/29/25	4:00 PM	MBR: What It Can Do For You	3:30 PM	Oschmann, Nadine	609
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Finding the Sweet Spot: Developing Science-Based Nutrient Goals for Reservoir TMDLs	9/29/25	4:30 PM	Balancing Act: Nutrients, Water Quality, and Ecosystems	3:30 PM	Bell, Clifton
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Wait, What Just Happened?? Amending a New Master Plan When Your Population Projections are Blown out of the (Waste)Water	9/29/25	4:30 PM	Navigating Consent Orders and Master Plans	3:30 PM	Lindner, Heather
Using video analysis to better understand Settleability in High-Rate Activated Sludge Systems	9/29/25	4:30 PM	Understanding Clarifier Settleability from Fundamental to Intensification Process	3:30 PM	Li, Yuang
Development and Deployment of Data-driven Optimization Models in Full Scale Wastewater Treatment Plants	9/29/25	4:30 PM	Data in Action! Data-Driven Optimization Models	3:30 PM	Martinez, Ernesto
Unlocking Resource Intensification through Full-Scale Densification and PdNA	9/29/25	4:30 PM	Full-Scale Shortcut Nitrogen Removal	3:30 PM	Pace, Gregory
Evansville Water and Sewer Utilities Road to Asset Management Excellence	9/29/25	4:30 PM	Efficient Flow: Innovative Strategies for Asset Management	3:30 PM	Ferrara, Sara
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Preventing H2S by injecting a supersaturated dissolved oxygen stream into a forcemain	9/29/25	4:30 PM	What Stinks? Community Engagement to Odor Solutions	3:30 PM	Arnold, Travis
Skinning the Cat (or any good plan is flexible)	9/30/25	8:30 AM	Preparing for Change in Sewer Construction Projects	8:30 AM	Roll, Richard

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Fort Wayne's Journey Towards Resilience and Clean Energy - Implementation of a Microgrid Program and RNG Injection	9/30/25	8:30 AM	Advancing Resilience through Innovative Sustainable Practices	8:30 AM	Schaich, Laurel	763
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Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker
Advancing Sewer Maintenance - SacSewer's Digital Transformation of the Main Line Visual Flow Inspection Program	9/30/25	1:30 PM	Next-Gen Sewer Operations: Digitizing Data, Resilience, and Action	1:30 PM	Gomez, Luisa
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Halton Region's Operations-Focused Nitrous Oxide Monitoring and Mitigation	9/30/25	1:30 PM	Decarbonizing Water: N2O Modeling - From Low DO to HPO	1:30 PM	Kraemer, Jeremy
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The Struvite Scourge: Practical Operations & Maintenance Considerations for Handling Nuisance Struvite Formation	9/30/25	1:30 PM	A Story of Struvite Survival and a Sidestream Saga	1:30 PM	Craig, Dustin
From Assessment to Action: Leveraging Digital Dashboards for Wastewater Risk Management	9/30/25	1:30 PM	Smart Asset Management: Digital Tools for Efficiency and Reliability	1:30 PM	Gonzalez, Adrian
MABRs Are Neat, But How Do I Design Them? A Practical Design Methodology for Hybrid MABR/AS	9/30/25	1:30 PM	Exploring the Capability and Flexibility of MABRs	1:30 PM	Reeve, Matt
Innovative Project Delivery: Success at Sterling Natural Resource Center	9/30/25	1:30 PM	Collaborative Case Studies: Design-Build for Effective Capital Delivery	1:30 PM	Moore, Michael
From construction to production: bringing decentralized systems to small communities	9/30/25	1:30 PM	Integrating Decentralized Assessments, Technologies and Management into Infrastructure	1:30 PM	Slessor, Stephen

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Enhancing polymer efficiency through use of diluted polymer for final dewatering	9/30/25	2:00 PM	Thickening to Drying: Optimizing Solids Handling Through Innovation	1:30 PM	Nam Ngo, Khoa	1308
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Integrating Nitrogen Reducing On-Site Programs into Coastal Watershed Management Programs	9/30/25	2:00 PM	Integrating Decentralized Assessments, Technologies and Management into Infrastructure	1:30 PM	Rudenko, Anastasia	1321
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Present and Future Damage: Quantifying Urban Flood Impacts in Philadelphia	9/30/25	2:00 PM	Flood Modeling: Saving Cities, One Storm at a Time	1:30 PM	Rakestraw, Emma	1333
Next-Generation Wastewater Operations: Immokalee Water & Sewer District's Fully Integrated Sensor Network and Real Time Monitoring Platform for Enhancing Operational Efficiency and Disaster Resiliency	9/30/25	2:00 PM	Next-Gen Sewer Operations: Digitizing Data, Resilience, and Action	1:30 PM	Reyes, Armando	1339
Ft Worth Water - Driving Performance through Data Analytics and Dashboards	9/30/25	2:00 PM	Smart Asset Management: Digital Tools for Efficiency and Reliability	1:30 PM	Muckleroy, Gage	1353

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Recycled Water Makes Data Center Cooling More Sustainable	9/30/25	2:00 PM	Water Reuse Strategies at Scalable Data Center Operations	1:30 PM	Erdal, Ufuk	1368
Thermal Hydrolysis of Biosolids: Reducing Microbial Inhibition in Sidestream Treatment	9/30/25	2:00 PM	A Story of Struvite Survival and a Sidestream Saga	1:30 PM	Morales, Michaela	1376
Elevating Operator Input: Techniques from a \$580M Greenfield RWRRF	9/30/25	2:00 PM	Collaborative Case Studies: Design-Build for Effective Capital Delivery	1:30 PM	King, Corey	1385
Full-Scale N2O Modelling For Advanced Mitigation	9/30/25	2:00 PM	Decarbonizing Water: N2O Modeling - From Low DO to HPO	1:30 PM	Audenaert, Wim	1397
Machine Learning Design Tools for Carbon-Based Reuse	9/30/25	2:30 PM	Innovative Carbon-Based Advanced Treatment Solutions: Transforming Water Reuse	1:30 PM	Koyama, Yoko	1403
Start to Finish - How to Design, Build, and Operate a Wastewater Recycling Facility in less than 18 Months	9/30/25	2:30 PM	Collaborative Case Studies: Design-Build for Effective Capital Delivery	1:30 PM	Jessica, Shannon	1413
Seven Habits of Highly Effective PFAS Source Trackers	9/30/25	2:30 PM	Know What's Coming In: Source-Tracking of PFAS	1:30 PM	Steinle-Darling, Eva	1424
Tertiary Membrane Aerated Biofilm Reactor/Partial Denitrification-Anammox Process	9/30/25	2:30 PM	Exploring the Capability and Flexibility of MABRs	1:30 PM	Mansell, Bruce	1429
Innovative Flood Hazard Classification for Resilient Urban Development	9/30/25	2:30 PM	Flood Modeling: Saving Cities, One Storm at a Time	1:30 PM	Pordel, Khaled	1442
Impact of carbon sources and dosing ratios on denitrification and N2O dynamics in a low DO BNR process	9/30/25	2:30 PM	Decarbonizing Water: N2O Modeling - From Low DO to HPO	1:30 PM	Downing, Leon	1450
Collaborative Odessa Utility SCADA Master Plan with ISA112 Standard alignment	9/30/25	2:30 PM	Smart Asset Management: Digital Tools for Efficiency and Reliability	1:30 PM	Yegnaraman, Manoj	1455
Life Cycle Assessment of Decentralized Wastewater Treatment Technologies	9/30/25	2:30 PM	Integrating Decentralized Assessments, Technologies and Management into Infrastructure	1:30 PM	Chai, Rachel	1462

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Phoenix, AZ, Adopts Real-Time Sewer-monitoring Technology to Optimize Operations and Balance Current and Future Expectations	9/30/25	2:30 PM	Next-Gen Sewer Operations: Digitizing Data, Resilience, and Action	1:30 PM	Prieto, Nazario	1473
Lessons learned from the first BioDryer installation at Silicon Valley Clean Water	9/30/25	2:30 PM	Thickening to Drying: Optimizing Solids Handling Through Innovation	1:30 PM	Akela, Arvind	1480
Enhancing Sustainable Water Infrastructure: Communication Strategies and Partnerships	9/30/25	3:30 PM	One Water in the Spotlight! Getting Creative with Community Engagement	3:30 PM		1493
Exploring Carbon Capture Opportunities at Water Resource Recovery Facilities	9/30/25	3:30 PM	RNG-Codigestion, Carbon Capture, and Fugitive Methane	3:30 PM	Guo, Peibo	1501
Foam Fractionation PFAS Treatment Considerations from Three Distinct Landfill Leachate Process Treatment Waste Streams	9/30/25	3:30 PM	PFAS Removal Technologies for Leachate and Complex Wastewaters	3:30 PM	Miatke, Baxter	1520
Pump Stations for the Future: Innovations in Assessment, Retrofitting, and Operations	9/30/25	3:30 PM	Concept to Completion: Pump Station Improvement and Construction	3:30 PM	Koch, Jeremy	1541
Early Adopters Prove Resiliency of Auxiliary Treatment Strategy and Effectiveness of Latest Generation of Multi-Purpose Filtration	9/30/25	3:30 PM	Resiliency and Effectiveness of Wet Weather Flow Management and Treatment	3:30 PM	Fitzpatrick, James	1550
Bin the Floc, Boost the Rock: Increasing Activated Sludge Wet Weather Treatment Capacity using Densified Activated Sludge	9/30/25	3:30 PM	Densified Activated Sludge Full Scale Performance and Optimization	3:30 PM	Brian, Kevan	1563
Somerville, Massachusetts Goes Big With Underground Stormwater Storage Tanks	9/30/25	3:30 PM	Big Solutions for Big Storms	3:30 PM	Olander, Christian	1571
Digital Twins for Climate-Conscious WRRFs: Integrating Data and Knowledge for Process Optimization and Decision Support	9/30/25	3:30 PM	Decarbonizing Water: Mathematical Modeling and Digital Twins to Reduce N2O Emissions from WWTP	3:30 PM	Khalil, Mostafa	1590
Impact of Rainfall Events on the Performance of WWTPs	9/30/25	3:30 PM	Navigating the Storm: Disinfecting Wet Weather Events	3:30 PM	Rabbi, Fazle	1600

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Developing National Wastewater Discharge Standards for New Zealand with an Indigenous Focus	9/30/25	3:30 PM	Indigenous Environmental Practices: Lessons from the Past for the Future	3:30 PM	Macdonald, Garry	1606
DAS in cold wastewater BNR to increase capacity at Gold Bar WWTP — myth or reality?	9/30/25	3:40 PM	Densified Activated Sludge Full Scale Performance and Optimization	3:30 PM	Hunter, Mike	1620
Towards Unifying Densification and Low TN / TP Operation at the South Durham Water Reclamation Facility	9/30/25	3:50 PM	Densified Activated Sludge Full Scale Performance and Optimization	3:30 PM	Wankmuller, David	1640
Hybrid Modeling and Diagnosis to Reduce N2O Emissions at WRRFs	9/30/25	4:00 PM	Decarbonizing Water: Mathematical Modeling and Digital Twins to Reduce N2O Emissions from WWTP	3:30 PM	Shen, Emma	1646
Enhancing Secondary Clarifier Capacity through Hydrocyclone Implementation at Full-Scale Wastewater Treatment Plants	9/30/25	4:00 PM	Squeezing the Tube to the End: Maximizing Capacity	3:30 PM	Song, Wonho	1658
Defining Best Operating Points of Biomass Densification for MBR and Clarifiers: Lessons Learned from Two-year Operation at Full-scale Plants	9/30/25	4:00 PM	Densified Activated Sludge Full Scale Performance and Optimization	3:30 PM	Donnaz, Sylvain	1678
TRWRA Pleasure Bay Interceptor Tunnel Crossing and Main Pump Station Replacement	9/30/25	4:00 PM	Concept to Completion: Pump Station Improvement and Construction	3:30 PM	Gettings, William	1687
Removal of Per- and Poly-Fluoroalkyl Substances (PFAS) from Landfill Leachate using Modified Coal Fly-Ash (CFA)	9/30/25	4:00 PM	PFAS Removal Technologies for Leachate and Complex Wastewaters	3:30 PM	Zhao, Renzun	1696
Working at Scale: Role of Hydraulic Standards & Advanced Numerical & Physical Models for TXDOT's Largest Storm Pump Station in Houston, Texas	9/30/25	4:00 PM	Big Solutions for Big Storms	3:30 PM	Gibbs, Andrew	1705
Nonrevenue Methane: Leveraging the Value of Biogas to Mitigate and Monetize Greenhouse Gas Emissions	9/30/25	4:00 PM	RNG-Codigestion, Carbon Capture, and Fugitive Methane	3:30 PM	Rotem, Ohad	1735
What Makes Hydrothermal Liquefaction Aqueous Phase Inhibitory to Anaerobic Digestion?	9/30/25	4:00 PM	Challenges and Innovation in Sludge Processing	3:30 PM	Kizza, Ronald	1740

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Community Engagement and Storm Drain Stewardship with Adopt-a-Drain.org	9/30/25	4:00 PM	One Water in the Spotlight! Getting Creative with Community Engagement	3:30 PM	Zawistoski, Ann	1750
Remote Wet Weather Treatment Facility Operational Insights and Treatment Success	9/30/25	4:00 PM	Resiliency and Effectiveness of Wet Weather Flow Management and Treatment	3:30 PM	Dunne, Ryan	1759
Navigating the D3/D5 Split: Renewable Natural Gas and Co-Digestion	9/30/25	4:30 PM	RNG-Codigestion, Carbon Capture, and Fugitive Methane	3:30 PM	Kontorousis, Alexis	1782
Channel Mixing: Tackling Floatables and Grit without Screening and Grit Removal Facilities	9/30/25	4:30 PM	Resiliency and Effectiveness of Wet Weather Flow Management and Treatment	3:30 PM	Pelayo, Andrea	1791
Where Does the Water Go? Creating Public Engagement That Makes a Splash	9/30/25	4:30 PM	One Water in the Spotlight! Getting Creative with Community Engagement	3:30 PM	White, David	1810
Operational Strategies and N2O Emission Hotspots: Integrating Monitoring Campaigns with Process Modelling	9/30/25	4:30 PM	Decarbonizing Water: Mathematical Modeling and Digital Twins to Reduce N2O Emissions from WWTP	3:30 PM	Khalil, Mostafa	1821
Bench Scale Comparison of Vacuum Evaporation Enhanced Anaerobic Digestion (IntensiCarb™) with Thermal Hydrolysis	9/30/25	4:30 PM	Challenges and Innovation in Sludge Processing	3:30 PM	Muller, Christopher	1830
Emerging Separation and Destruction Technologies to Mitigate PFAS in Leachate Destined for a Municipal Water Resource Recovery Facility	9/30/25	4:30 PM	PFAS Removal Technologies for Leachate and Complex Wastewaters	3:30 PM	Hunter, Gary	1845
Beyond Pumps: Blending Blue, Green, and Grey Infrastructure in NOLA	9/30/25	4:30 PM	Big Solutions for Big Storms	3:30 PM	Atchison, Dustin	1851
The Canoas Wastewater Pump Station, Alternative Delivery of a Major Component of the Bogota River Sanitation Program in Colombia	9/30/25	4:30 PM	Concept to Completion: Pump Station Improvement and Construction	3:30 PM	Montes, Alejandro	1863

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
How Different Water Utilities Around the US are responding to PFAS contamination in Rivers	10/1/25	8:30 AM	Tackling PFAS: From Discharges to Watershed Mitigation Strategies	8:30 AM	deSilva, Viraj	1881
Where Commitment Meets Innovation: Transforming EJ Commitment into Tangible Impact	10/1/25	8:30 AM	Community-based Utility Management: Engagement, Investment, Stewardship	8:30 AM	Umerley, Christine	1895
Densified Sludge Model Sensitivity Analysis and Pilot Data Calibration	10/1/25	8:30 AM	Densified Activated Sludge: Practical Design and Modeling Experiences Converge	8:30 AM	Schlepp, Geneva	1905
Process Densification and Emerging Contaminant, PFAS and EE2, Management in Wastewater Treatment using Reactive Migrating Carriers	10/1/25	8:30 AM	Innovative Approaches to Micropollutant Removal in Wastewater	8:30 AM	Goel, Ramesh	1923
Photoactivated Reductive Defluorination Destruction Of Fluorochemicals In Semiconductor Manufacturing Waste	10/1/25	8:30 AM	From PFAS to Models: Water Treatment and Optimization Strategies in Semiconductor Manufacturing	8:30 AM	Wang, Meng	1933
Developing an Environmental, Social, and Governance Framework for Water Utilities	10/1/25	8:30 AM	Infrastructure Investments and Strategies of Corporate Responsibility	8:30 AM	Hamilton, Kylee	1941
Learning Lessons from Golden's Compressed Workweek Pilot	10/1/25	8:30 AM	Turning the Tide on the Silver Tsunami	8:30 AM	Beierle, Anne	1956
Integrating Flood and Heat Risks in AlexRenew's Climate Resilience Plan	10/1/25	8:30 AM	Building Resilience and Planning for Climate Change	8:30 AM	Cherry, Charlotte	1960
Optimizing Partial-Denitrification/Anammox (PdNA) Startup in IFAS system with Low TIN Discharge Targets	10/1/25	8:30 AM	PdNA: Insights into Pilot and Full-scale Implementations	8:30 AM	Islam, M.A.S.	1990
Discharge Avoidance: Emerging Driver for Potable Reuse In The West	10/1/25	8:30 AM	Shaping the Future of Water Reuse: Drivers, Feasibility & Challenges	8:30 AM	Rehring, John	1996
Buckingham- $\pi$ Dimensional Analysis for Chemical Disinfection in Wastewater Reactors	10/1/25	8:30 AM	Optimizing Disinfection Systems for Efficiency and Reliability	8:30 AM	Luo, Hao	2002

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Two Birds, One Test: Off-gas Testing for Assessing Scope 1 and Scope 2 Emissions	10/1/25	8:30 AM	Decarbonizing Water: Across Space and Time - Techniques for CH4 and N2O Monitoring	8:30 AM	Reifsnnyder, Samuel	2009
GSI Impact Hub: Capturing the Multiple Benefits of Green Stormwater Infrastructure	10/1/25	8:30 AM	GSI Performance Tools: Optimizing GSI Placement and Performance	8:30 AM	Clements, Janet	2014
Modeling Semiconductor Wafer Fabrication Water Quality and Quantity to Inform Treatment Approach Development	10/1/25	9:00 AM	From PFAS to Models: Water Treatment and Optimization Strategies in Semiconductor Manufacturing	8:30 AM	Sandy, Arthur	2044
Primary Effluent- and Glycerol-Driven PdNA for Large-Scale Potable Reuse: Maximizing Benefits from MBBR to IFAS Transition	10/1/25	9:00 AM	PdNA: Insights into Pilot and Full-scale Implementations	8:30 AM	Farrokh Shad, Mojtaba	2059
Advanced Quantification of Fugitive Methane Emissions in Wastewater Treatment Plants	10/1/25	9:00 AM	Decarbonizing Water: Across Space and Time - Techniques for CH4 and N2O Monitoring	8:30 AM	Elsayed, Ahmed	2068
Innovative Approaches to PFAS Control in Stormwater and Industrial Discharges	10/1/25	9:00 AM	Tackling PFAS: From Discharges to Watershed Mitigation Strategies	8:30 AM	Reid, Terry	2072
Transforming Communities: The Kerr County Center Point Wastewater Project — A Model of Innovation and Resilience in Water Quality Management	10/1/25	9:00 AM	Infrastructure Investments and Strategies of Corporate Responsibility	8:30 AM	Burger, Don	2082
Maximizing the Benefits of Green Stormwater Infrastructure under Climate Change	10/1/25	9:00 AM	GSI Performance Tools: Optimizing GSI Placement and Performance	8:30 AM	Magruder, Matt	2092
Comprehensive Stormwater Management: Combining Flood Mitigation and Water Reuse	10/1/25	9:00 AM	Building Resilience and Planning for Climate Change	8:30 AM	Kaatz, Joel	2105
Internal Substrate Selection of Granules in A Flow-Through Activated Sludge System via Biological Selectors	10/1/25	9:00 AM	Densified Activated Sludge: Practical Design and Modeling Experiences Converge	8:30 AM	Law, Kam	2123

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Optimizing De-chlorination by Altering Sodium Bisulfite Dosing Strategy: A Computational Fluid Dynamics Study	10/1/25	9:00 AM	Optimizing Disinfection Systems for Efficiency and Reliability	8:30 AM	Wicklein, Ed	2137
Reuse along the Rockies: How Aurora Water Evaluated DPR Feasibility	10/1/25	9:00 AM	Shaping the Future of Water Reuse: Drivers, Feasibility & Challenges	8:30 AM	Coday, Bryan	2144
Navigating the New Normal: Embracing Continuous Organizational Change	10/1/25	9:00 AM	Turning the Tide on the Silver Tsunami	8:30 AM	Butler, Patricia	2150
BSA Queen City Clean Waters: Leveraging Infrastructure Projects into Community Investment	10/1/25	9:00 AM	Community-based Utility Management: Engagement, Investment, Stewardship	8:30 AM	Nogle, Rosaleen	2161
Advanced Micro-Pollutant and PFAS Removal with Micro-Sorbent and Pile Cloth Media Filtration	10/1/25	9:00 AM	Innovative Approaches to Micropollutant Removal in Wastewater	8:30 AM	Dyson, John	2167
Bringing It All Together: Designing a Densified AO/SND Process for Efficient Biological Nutrient Removal	10/1/25	9:30 AM	Densified Activated Sludge: Practical Design and Modeling Experiences Converge	8:30 AM	Trujillo, Shelley	2173
Working With Disadvantaged Communities To Deliver Technical Assistance	10/1/25	9:30 AM	Community-based Utility Management: Engagement, Investment, Stewardship	8:30 AM	Edelen, Tessa	2182
Bridging the Gaps in GHG Monitoring from Wastewater Treatment: Insights into Temporal and Spatial Heterogeneity	10/1/25	9:30 AM	Decarbonizing Water: Across Space and Time - Techniques for CH4 and N2O Monitoring	8:30 AM	Zhang, Bo	2188
Optimizing Microplastic Removal using Biochar	10/1/25	9:30 AM	Innovative Approaches to Micropollutant Removal in Wastewater	8:30 AM	Song, Jianqiao	2198
Step-Feed BNR MLSS Intensification for Cost-Efficient Nitrogen Removal at Low C:N Ratios	10/1/25	9:30 AM	BNR But Better: Additional Improvements on BNR Systems	8:30 AM	Kabouris, John	2205
Seasonal Impacts of Nonpotable Reuse on DPR Feasibility	10/1/25	9:30 AM	Shaping the Future of Water Reuse: Drivers, Feasibility & Challenges	8:30 AM	Damron, Andrew	2221

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Advancing Equity Through Capital Portfolios	10/1/25	9:30 AM	Infrastructure Investments and Strategies of Corporate Responsibility	8:30 AM	Iniguez Dawes, Margo	2230
Optimizing Disinfection Operations for Discharge and Recycling: Las Vegas Experience	10/1/25	9:30 AM	Optimizing Disinfection Systems for Efficiency and Reliability	8:30 AM	Ummeh Masrura, Sayeda	2242
Production expansion and changing discharge limits at Grifols Therapeutics, North Carolina, USA calls for wastewater treatment plant upgrades	10/1/25	10:30 AM	Pharmaceuticals, AMR, and Wastewater Treatment: Risks and Solutions	10:30 AM	Henry, Aleah	2251
Enhanced Information Retrieval in the Digital Age	10/1/25	10:30 AM	Operational Optimization through Digital Transformation Enablement and Adoption	10:30 AM	Woldorff, Charles	2263
Partial Denitrification-Anammox Treatment of Reverse Osmosis Concentrate	10/1/25	10:30 AM	Innovations in Membrane Treatment for Reuse	10:30 AM	Coracero, Ariana	2276
The Long's Park Treatment Wetlands and Park Enhancement Project	10/1/25	10:30 AM	Innovative Green Infrastructure Solutions in Diverse Urban Settings	10:30 AM	Wible, Daniel	2287
The MOB Comes to Reno: Putting Mobile Organic Biofilm Technology to the Test	10/1/25	10:30 AM	Beyond BNR: Pushing the Envelope of Intensification Technologies	10:30 AM	Steele, Paul	2312
Intensifying Refinery WWTP Secondary Solids Separation: Suspended Air Flotation Pilot Results	10/1/25	10:30 AM	Oil and Gas Water Treatment Solutions: Beneficial Reuse and Advanced Separation Technologies	10:30 AM	Podder, Aditi	2335
Rethinking the impact of PFAS emissions in biosolids thermal processes through a holistic life cycle assessment	10/1/25	10:30 AM	Thermal Treatment of PFAS in Biosolids	10:30 AM	Shaw, Andrew	2352
Insights from Full-scale Primary Sludge Fermentation for Carbon Management and Nutrient Removal	10/1/25	10:30 AM	Full-Scale Primary Sludge Fermentation	10:30 AM	Farmer, McKenna	2362
Lessons Learned from the Start-up of the TPAD Process at San Jose-Santa Clara RWF	10/1/25	10:30 AM	Lessons from Biosolids Project Startups	10:30 AM	Alba, Alicia	2369

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Analysis of Existing and Emerging Biosolids Beneficial Use Regulations	10/1/25	10:30 AM	Regulations, Communications and Costs of PFAS for Utility Leaders	10:30 AM	Hines, Nickolas	2381
Thinking Abnormally: A New Way to Look at RO Data	10/1/25	11:00 AM	Innovations in Membrane Treatment for Reuse	10:30 AM	Thompson, Kyle	2388
Understanding Gasification for PFAS Removal in Residuals: Full-Scale Study Results from WRF Project 5107	10/1/25	11:00 AM	Thermal Treatment of PFAS in Biosolids	10:30 AM	Khan, Kamruzzaman	2393
Investigating Fermentation of Primary Sludge in Full-Scale Gravity Thickeners	10/1/25	11:00 AM	Full-Scale Primary Sludge Fermentation	10:30 AM	Islam, Shafkat	2403
Seeding, Startup, and Commissioning of THP Systems at Three WRRFs	10/1/25	11:00 AM	Lessons from Biosolids Project Startups	10:30 AM	Schaich, Laurel	2407
Pharmaceutical and Illicit Drugs Removal via Full-Scale Wastewater Treatment Processes	10/1/25	11:00 AM	Pharmaceuticals, AMR, and Wastewater Treatment: Risks and Solutions	10:30 AM	Steigerwald, Jessica	2416
Improving Settleability and Clarifier Capacity for High-rate Contact-stabilization Systems Through inDENSE Application	10/1/25	11:00 AM	Beyond BNR: Pushing the Envelope of Intensification Technologies	10:30 AM	Diop, Arame	2427
Developing a Cost-Effective Resilient Decarbonization Strategy: Lessons for Decision-Makers	10/1/25	11:00 AM	Pathways for Decarbonization and Circular Water Economy	10:30 AM	Sabzwari, Abye	2431
Beneficial Reuse of Permian Basin Produced Water	10/1/25	11:00 AM	Oil and Gas Water Treatment Solutions: Beneficial Reuse and Advanced Separation Technologies	10:30 AM	Steinwinder, Jeff	2442
Beyond Consent Decree Compliance: Houston's Dynamic Program Evaluation Revolution	10/1/25	11:00 AM	Operational Optimization through Digital Transformation Enablement and Adoption	10:30 AM	Rabbi, Fazle	2458
Keeping Granules Happy In A Salty Environment: Aerobic Granular Sludge Testing At Sand Island WWTP	10/1/25	11:30 AM	Beyond BNR: Pushing the Envelope of Intensification Technologies	10:30 AM	Messologitis, Katerina	2466
Water and Wastewater Decentralization at Urban District-Level to Enhance Resiliency and Sustainability	10/1/25	11:30 AM	Pathways for Decarbonization and Circular Water Economy	10:30 AM	Garrido, Manel	2487

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Mitigation of Antimicrobial Resistance (AMR) in Water Resources: Risk, Mitigation, Guidance and Policy Updates	10/1/25	11:30 AM	Pharmaceuticals, AMR, and Wastewater Treatment: Risks and Solutions	10:30 AM	Hollerbach, George	2495
Commissioning a Biosolids Gasifier System at a Water Resource Recovery Facility	10/1/25	11:30 AM	Lessons from Biosolids Project Startups	10:30 AM	Mooney, Dave	2514
Comprehensive PFAS Treatment Cost Estimates for Various Types of Water	10/1/25	11:30 AM	Regulations, Communications and Costs of PFAS for Utility Leaders	10:30 AM	Lin, Shawn	2525
Merced Avenue Greenway Project: A Model for Future Urban Street Retrofits	10/1/25	11:30 AM	Innovative Green Infrastructure Solutions in Diverse Urban Settings	10:30 AM	Fussel, Jason	2534
Adopting Emerging PFAS Destruction Technologies: The Orlando SCWO Case Study	10/1/25	11:30 AM	Thermal Treatment of PFAS in Biosolids	10:30 AM	Viswanathan, Sudhakar	2548
Ultrafiltration for Municipal Wastewater Reclamation and Potable Reuse	10/1/25	11:30 AM	Innovations in Membrane Treatment for Reuse	10:30 AM	Li, Qinlin	2556
North America's First Full-scale OxyMem-based MABR: Lessons and Performance Results	10/1/25	1:30 PM	Full-Scale MABR Successes in Performance Optimization and N2O Control	1:30 PM	Flores, Jesus	2579
Navigating Process Challenges of Sidestream Nitrogen Removal: Insights from the Fond du Lac WRRF	10/1/25	1:30 PM	Advanced Strategies for Optimization of Sidestream Nitrogen Removal	1:30 PM	Redmond, Eric	2587
Reinventing an Old Technology: In-system Pipe Storage	10/1/25	1:30 PM	Design Build: Wetlands, Rivers, Storms, Oh My!	1:30 PM	Rubel, Brian	2592
Leading the School: Demonstrating 50 µg/L Effluent TP Limits in Hatchery Pilot Testing	10/1/25	1:30 PM	Nutrient Removal in Fish Hatchery and Egg Processing Wastewater	1:30 PM	Brown, Samuel	2604
Guidance to Selecting and Delivering the Optimal Bioenergy Project at WRRFs	10/1/25	1:30 PM	Making the Case for Energy Neutrality	1:30 PM	Nojima, Alison	2616
Treatability Studies Assist Fine-tune Advanced Treatment and ZLD Design for Internal Reuse at an Industrial Facility	10/1/25	1:30 PM	RO and ZLD: Balancing Efficiency	1:30 PM	Mysore, Chandra	2632

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Snail Away: Snail Mitigation of Nitrification-Only Tertiary MBR	10/1/25	1:30 PM	Tertiary Filtration: Case Studies for Design Optimization	1:30 PM	Deco, Rachel	2638
2D Storm Water Modeling: Case studies and lessons learned	10/1/25	1:30 PM	Mapping and Modeling Mayhem: A Downpour of Flood Mitigation Solutions	1:30 PM	Abdo, Khaled	2667
Catalytic Defluorination of PFAS in Municipal Wastewater, Sludge, and Dewatering Filtrate at Mild Temperatures ( $\leq 80C$ )	10/1/25	1:30 PM	Removal, Fate, and Sequestration of PFAS in Biosolids	1:30 PM	Li, Yitao	2678
Evaluation and Pilot Testing of Primary Filtration for Upgrade of Silicon Valley Clean Water Resource Recovery Facility	10/1/25	1:30 PM	Optimizing the Treatment Train using Advanced Primary Filtration and its impact on Secondary Treatment	1:30 PM	Caliskaner, Onder	2684
Maximizing the Treatment Potential of Secondary Clarifier Using CFD	10/1/25	1:30 PM	Innovative Applications of Computational Fluid Dynamics Modeling	1:30 PM	Weiland, Thomas	2695
Beyond One-Size-Fits-All: How Operational Patterns and Compliance Limits Shape Fugitive GHG Emission Variability in Wastewater Treatment Plants	10/1/25	1:30 PM	Decarbonizing Water: GHG Measurement vs Estimates	1:30 PM		2706
Quaternary Ammonia Compounds: Why are they so common, and why is nobody talking about them?	10/1/25	1:30 PM	Can Current Knowledge of CECs Keep Future Contaminants from Emerging?	1:30 PM	Shaw, Andrew	2713
Reinvigorating Capital Improvement Planning: Changing the Face of Project Prioritization	10/1/25	1:30 PM	Analyze This: Risk Based CIP Planning	1:30 PM	Flynn, Patrick	2720
Fate of PFAS Through a Biosolids Drum Dryer with Regenerative Thermal Oxidizer Emissions Control	10/1/25	2:00 PM	Removal, Fate, and Sequestration of PFAS in Biosolids	1:30 PM	Seidel, Alexander	2728
Low-Emission Hybrid Cogeneration for Optimal Energy Resilience	10/1/25	2:00 PM	Making the Case for Energy Neutrality	1:30 PM	Couch, Ted	2738
Taking Intensification One Step Further: Can We integrate Advanced Secondary Treatment Processes after Advanced Primary Treatment ?	10/1/25	2:00 PM	Optimizing the Treatment Train using Advanced Primary Filtration and its impact on Secondary Treatment	1:30 PM	Dursun, Derya	2751

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Removal of Dissolved Organic Carbon in Secondary Effluent with Mixed Media Bio-Filtration	10/1/25	2:00 PM	Tertiary Filtration: Case Studies for Design Optimization	1:30 PM	Riffat, Rumana	2766
A Framework for Prioritizing the Monitoring of Contaminants of Emerging Concern in Wastewater and Biosolids: The Paradox of Choice	10/1/25	2:00 PM	Can Current Knowledge of CECs Keep Future Contaminants from Emerging?	1:30 PM	Locsin, Javier	2773
MABR Biofilm Technology Reduces N2O Emissions: Results from Eight Full-scale Mainstream & Sidestream Applications	10/1/25	2:00 PM	Full-Scale MABR Successes in Performance Optimization and N2O Control	1:30 PM	Donnaz, Sylvain	2792
Wastewater Treatment Plant Upgradation for an Egg Processing Facility	10/1/25	2:00 PM	Nutrient Removal in Fish Hatchery and Egg Processing Wastewater	1:30 PM	Choudhury, Mahbuboor	2805
Risky Business: Using Risk and Vulnerability for Better Business Decisions	10/1/25	2:00 PM	Analyze This: Risk Based CIP Planning	1:30 PM	Capaci, Mackenzie	2818
CFD Modelling for DEMON Process Optimization at the Blue Plains Advanced Wastewater Treatment Plant (AWTP) of District of Columbia Water (US)	10/1/25	2:00 PM	Innovative Applications of Computational Fluid Dynamics Modeling	1:30 PM	Audenaert, Wim	2838
Building A Stormwater Flood Resilience Plan: Mapping to Mitigation	10/1/25	2:00 PM	Mapping and Modeling Mayhem: A Downpour of Flood Mitigation Solutions	1:30 PM	Kaatz, Joel	2844
A Utility's Journey to Advanced Primary Treatment: From Pilot Testing to Full-Scale Implementation of Pile Cloth Media Filter	10/1/25	2:30 PM	Optimizing the Treatment Train using Advanced Primary Filtration and its impact on Secondary Treatment	1:30 PM	Gupta, Vedansh	2852
Egg-Washing Wastewater Treatment Using Algal-Bacterial Consortia and Bacterial Community Analysis	10/1/25	2:30 PM	Nutrient Removal in Fish Hatchery and Egg Processing Wastewater	1:30 PM	Basthi Shivaram, Karthik	2867
Floodplain change as a driver of long-term flood resilience	10/1/25	2:30 PM	Mapping and Modeling Mayhem: A Downpour of Flood Mitigation Solutions	1:30 PM	Haces-Garcia, Francisco	2887

Presentation Title	Date of Presentation	Start Time	Session Title	Session Start Time	Speaker	
Developing an Energy Neutrality Plan for the Metropolitan Water Reclamation District of Greater Chicago	10/1/25	2:30 PM	Making the Case for Energy Neutrality	1:30 PM	Moran, Judith	2905
Hydraulic Institute Pump Intake CFD Modeling Methodology Evaluation	10/1/25	2:30 PM	Innovative Applications of Computational Fluid Dynamics Modeling	1:30 PM	Wicklein, Ed	2920
MABR Breathing Insights: Monitoring Biofilm Health in Full-scale System Based on Exhaust Gas Measurements	10/1/25	2:30 PM	Full-Scale MABR Successes in Performance Optimization and N2O Control	1:30 PM	AlSayed, Ahmed	2929
Using the Sharpest Tools for Tertiary Filtration Rehabilitation: CFD Modeling and Media Selection at DC Water's Blue Plains AWTP	10/1/25	2:30 PM	Tertiary Filtration: Case Studies for Design Optimization	1:30 PM	Murphy, Danny	2938
Siphon Design Under the West Fork of the Trinity River	10/1/25	2:30 PM	Design Build: Wetlands, Rivers, Storms, Oh My!	1:30 PM	Johnson, Reyna	2944