

TECHNICAL PROGRAM

WEDNESDAY AM

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Overall Technical Session Sponsor

#	Time	Speaker Name	Company	Paper Title
TRACK A: UTILITY MANAGEMENT I				
				Moderator: Jamie Leonard Assistant Moderator: TBD
1	8:00 AM	Olga Mikhalechishina & Bradley Hayes	Woodard & Curran	Opening the Door to a Wastewater Career
2	8:30 AM	Wayne Hofmann	Wade Trim	How Will Unprecedented Federal Investment Impact Utilities in the Future?
3	9:00 AM	Teresa Irby-Butler	FGUA	Bringing Central Utilities to Underserved Communities
4	9:30 AM	Russell Ferlita / Matt Woodham	Mead & Hunt	Maximizing Budgets in Small Municipalities: The Power of Piggyback Contracts in Florida
5	10:00 AM	Stephanie Ishii	Hazen and Sawyer	Creative Collaborations and Cost Sharing Strategies for Multi-benefit Projects
TRACK B: PFAS				
				Moderator: Paul Biscardi Assistant Moderator: TBD
1	8:00 AM	Samir Mathur	CDM Smith	PFAS in Wastewater – From Research to Reality
2	8:30 AM	Geoff Burdick	AqueoUS Vets	Florida Town Becomes Part of First AFFF Bellwether Trial from PFAS Elimination
3	9:00 AM	Lauren Binder / Viraj deSilva	Freese and Nichols	Lessons Learned for Four PFAS Pilot Tests in the US
4	9:30 AM	Paul Biscardi	Hazen and Sawyer	New Challenges and Questions for Membrane Treatment Systems Removing PFAS
5	10:00 AM	Yudi Wu	Florida Polytechnic U.	PFAS Precursors in Landfill Leachate and its Adsorption via Engineered Biocharacteristics
TRACK C: NUTRIENT REMOVAL				
				Moderator: Erica Stone Assistant Moderator: TBD
1	8:00 AM	Isabel Hall	Tetra Tech	Filter Marshes: A Nature-based Nutrient Removal Solution
2	8:30 AM	Jeff Littlejohn	OnSyte	Lake County Distributed Wastewater Treatment Program for Septic Tank Remediation
3	9:00 AM	Brian Karmasin	CDM Smith	Osprey WRF is Flying High Reducing Nutrient Loading to the Indian River Lagoon
4	9:30 AM	Jose Jimenez	Brown and Caldwell	Nitrogen Oxides Transformations at Low Dissolved Oxygen Concentrations
5	10:00 AM	Alexander Ekster	Ekster and Associates	Results of Full-scale Operation of Machine Learning-based DO Control
TRACK D: DISTRIBUTION SYSTEMS I				
				Moderator: Lulia Siemen Assistant Moderator: TBD
1	8:00 AM	Hisyam Mohsin	Brown and Caldwell	Impact of Corrosion Inhibitors on Lead and Copper Leaching (Bench-scale Study)
2	8:30 AM	Savannah Mika	Hazen and Sawyer	One Size Does Not Fit All – Navigating Lead Service Line Inventory Development
3	9:00 AM	Shannon Payne	M&H / Kennedy Valve	Reduce Non-revenue Water with Remote Pressure and Temperature Monitoring
4	9:30 AM	John Abrera	Stantec	WRF 4917: Using Smart Water Network Technology to Reduce Leakage - 4 Case Studies
5	10:00 AM	Weston Haggen	CHA Consulting, Inc.	The 1st Application of p-CAT Pipe Assessment on Small Water Main in the USA
TRACK E: SUSTAINABILITY				
				Moderator: Jessica Green Assistant Moderator: TBD
1	8:00 AM	Adam Reeder	CDM Smith	Understanding the Bigger Picture of Climate Change Risk
2	8:30 AM	Elizabeth Keddy	Hazen and Sawyer	Reducing Energy Usage and Cost Without Compromising Water Quality
3	9:00 AM	Jennifer Ribotti / Megan Nelson	Tetra Tech / Orange County	Investing in OCU's Sustainable Future: Solar Energy and Challenges Encountered
4	9:30 AM	Mohammad Shallouf	Anaergia	Net-zero WRRF Transitions to Carbon-negative via Public Private Partnerships
5	10:00 AM	David Hunniford	V&A Consulting Engineering	Using Your Nose to Protect Your Assets – Wastewater Odor and Corrosion Control
TRACK F - WORKSHOP 1				
				Moderator: Chris Moody
1	8:00 AM			Regulatory Updates from FSAWWA & FWEA
TRACK G - WORKSHOP 2				
				Moderator: Mark McDowell
1	8:00 AM			Maximizing Efficiency in Your Collection System

**Subject to Change*

Florida Water Resources Conference



April 2 -April 6, 2024

Kissimmee, FL

TECHNICAL PROGRAM

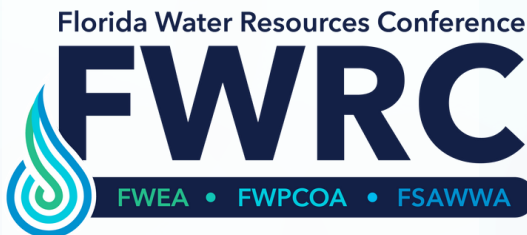
WEDNESDAY PM

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WEDNESDAY AFTERNOON

#	Time	Name	Company	Paper Title	
TRACK A: UTILITY MANAGEMENT II					
				Moderator: Kenneth Broome Assistant Moderator: TBD	
6	1:30 PM	Loc Truong & Vivian Hong	Ardurra	Planning for the Future – Small Systems and Water Supply Plans	
7	2:00 PM	Bryan Veith	Veith Engineering	SMART Utility Management Systems and Decision Support Tools for Informed Decisions	
8	2:30 PM	Bryan Cully / Jeremy Johnston	CDM Smith / CCUA	Managing the Circus: Balancing Growth and Security through Strategic Planning	
9	3:00 PM	Nestor Murray / Kevin Moran	CDM Smith / Hillsborough County	Classifying the Unknowns! Exploration of Predictive Analytics and Machine Learning	
10	3:30 PM	Andrea Savage / Steve Parnell	Daupler / City of Port Orange	Port Orange Case Study: Transforming Emergency Response and Customer Service	
11	4:00 PM	Sheryl Parsons	Mead & Hunt	Navigating Funding Options with Asset Management	
TRACK B: POTABLE WATER TREATMENT					
				Moderator: Jon Bundy Assistant Moderator: TBD	
6	1:30 PM	Matthew Pacicco	Carollo	A First for Florida: Hardness Removal with a Pellet Softening System	
7	2:00 PM	Martin Coleman	Hazen and Sawyer	Pilots Led to Best Value Water Treatment Improvements for Toho Water Authority	
8	2:30 PM	Zach Protas	Tetra Tech	Assessing the Performance of Ozone, GAC, and IX through a Pilot Scale Study	
9	3:00 PM	Samantha Black	HDR	Rerating and Optimizing Miami-Dade's 214.7 MGD Water Treatment Facility	
10	3:30 PM	Christian Karavangelos	Carollo	Optimizing Recovery of Gypsum in Super-saturated RO Concentrate at PRWC SE WPF	
11	4:00 PM	Mike Condran	Brown and Caldwell	Peace River Water Treatment Facility: Lessons Learned from Pilot Testing	
TRACK C: WASTEWATER TREATMENT					
				Moderator: Dave MacNevin Assistant Moderator: TBD	
6	1:30 PM	Thomas Cross	Freese and Nichols	Think Fast! Accelerating a WWTP Expansion to Meet Population Growth	
7	2:00 PM	David Socha	Stantec	Rehabbing City of Tampa's Howard F. Curren AWWTP Main PS - Open Heart Surgery	
8	2:30 PM	Cynthia Castro	Wade Trim	The Future of Biological Sludge Granules in FL's Rapidly Urbanizing Landscape	
9	3:00 PM	Alonso Griborio	Hazen and Sawyer	Unlocking Plant Capacity with Innovative Process Modeling	
10	3:30 PM	Dave MacNevin	CDM Smith	Adapting Source Control and Water Quality Monitoring to Support Potable Reuse	
11	4:00 PM	Laurel Smith	McKim and Creed	Identification and Mitigation of Hazardous Areas in Wastewater Facilities	
TRACK D: DISTRIBUTION SYSTEMS II					
				Moderator: Jarah Parke Assistant Moderator: TBD	
6	1:30 PM	Sarah King	Kennedy Jenks	Freeways, Landfills, and Orcas, OH MY!	
7	2:00 PM	Jarah Parke	Stantec	A Data Driven Approach to Routing of Tampa Bay Water's South Hillsborough Pipeline	
8	2:30 PM	Taylor Bomarito	Hazen and Sawyer	Successful Collaboration for Utility Relocations along Florida's Oldest Causeway	
9	3:00 PM	Kelcia Mazana	CHA Consulting, Inc.	2 WTM's, 2 Protected Waterways and 2 Funding Sources Equals 1 Successful Project	
10	3:30 PM	Nelson Perez-Jacome	Miami-Dade WASD	Emergency Relocation of a 36 Inch Water Main via HDD under Biscayne Bay	
11	4:00 PM	Shari Ramirez	Wade Trim	Highlights of the High Life - Miami Beach's HDD Case Study	
TRACK E: FACILITIES OPERATION AND MAINTENANCE					
				Moderator: Suzannah Folsom Assistant Moderator: TBD	
6	1:30 PM	Rich Newberg & Darryl Muse	CDM Smith / CCUA	O&M (Operations & Maintenance) Evaluation: A Rx for Improvement	
7	2:00 PM	Travis Parsons	Wade Trim	Training Operations Staff to Meet New Challenges and Ensure Project Success	
8	2:30 PM	Eduardo Arispe / Isaac Holowell	CDM Smith	When A Pump Station Expansion is Not Plug and Play - Pump Intake Physical Modeling	
9	3:00 PM	Mike Bernard	Specific Energy	Spinning Ain't Winning- Properly Setting Minimum Speeds on VFD Driven Pumps	
10	3:30 PM	Jacob McGough	Environmental MD	Force Main Transients	
11	4:00 PM	Ivy Drexler	City of St. Petersburg	Salty Seas, Storm Surge: Effects of Chlorides on Plant Operation <i>*Subject to Change</i>	
TRACK F: WORKSHOP 3					
6	1:30 PM				Moderator: Alice Fulmer Source Control: The Solution to DW/WW Pollution?
TRACK G: WORKSHOP 4					
6	1:30 PM				Moderator: Nicholas Claudio Building the SCADA System of Tomorrow Starts Today
TRACK H: WORKSHOP 5					
6	1:30 PM				Moderator: Lisa Wilson-Davis Track H Workshop 4: Drinking Water and Wastewater Utilities Potpourri 2 - The Conversations



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Kissimmee, FL

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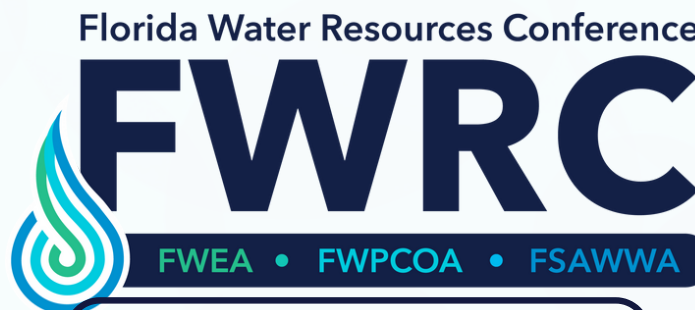
TECHNICAL PROGRAM

THURSDAY AM

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#	Time	Name	Company	Paper Title
TRACK A: MODELING/ GIS/ COMPUTER I				
				Moderator: Michael Demko Assistant Moderator: TBD
12	8:00 AM	Michael Demko	Wade Trim	Balancing the Master Plan Needs of a Town vs Regional Water Provider's Standards
13	8:30 AM	Starr Carter	CDM Smith	Beyond "Where": GIS Data Development for Municipal Planning
14	9:00 AM	Eduardo Garces / Nelson Perez-Jacome	EAC Consulting / Miami Dade	Route Optimization and Construction of Large-diameter Pipe using ArcGIS and Civil 3D
15	9:30 AM	Prasad Chittaluru	EPIC Group, LLC	Optimizing Unidirectional Flushing with Modeling, GIS and Data Analytics - The OCU Case Study
16	10:00 AM	Jose Abinazar, Alberto Pisani, Georgio Tachiev	Gannett Fleming	Using Geospatial Modeling to Empower Stormwater Resilience and Flood Mitigation
TRACK B: WATER QUALITY/WATER SUPPLY I				
				Moderator: Bina Nayak Assistant Moderator: TBD
12	8:00 AM	Da Yu / Nestor Murry / Jennifer McElroy	Trinex / CDM Smith / GRU	Digital Tools Accelerating GRU's LCRR Compliance
13	8:30 AM	Brendan O'Brien	Stantec	Leveraging an Inspection Program and Predictive Modeling to Develop an LSL Inventory
14	9:00 AM	Melina Bautista / Brooke Bailey	Carollo / Sarasota County	Evaluation of Corrosion Control Strategies for Sarasota County
15	9:30 AM	Leslie Dumas	Woodard & Curran	Demand Management – The New Water Supply
16	10:00 AM	Meghan Marlowe	Carollo	Tucson Water – The One Water 2100 Plan for Long-Range Water Resource Management
TRACK C: BIOSOLIDS/ RESOURCE RECOVERY				
				Moderator: Manasi Parekh Assistant Moderator: TBD
12	8:00 AM	Sudhan Paranjape / Peter Blackley	Carollo / JEA	JEA's Measured Approach to Biosolids Management
13	8:30 AM	Ivy Drexler	City of St. Petersburg	Biosolids to Energy: Lessons Learned from the City of St Petersburg
14	9:00 AM	Simon Meikle	Stantec	Best Dewatering Technology to Squeeze Poop at Dunn Water Reclamation Facility!
15	9:30 AM	Samantha Lemaster	Hazen and Sawyer	Making the Cake: Piloting to Implementation of Biosolids Dewatering Technologies
16	10:00 AM	Sarah Guzman	Black & Veatch	Evaluating phosphorus recovery from biosolids to address eutrophication in Florida
TRACK D: DISTRIBUTION SYSTEMS III				
				Moderator: Weston Haggren Assistant Moderator: TBD
12	8:00 AM	Weston Haggren	CHA Consulting, Inc.	Rehabilitate, Replace, or Eliminate? For 23,000-LF of 20" Concrete Water Main
13	8:30 AM	David Mullen	Wade Trim	Creative Solutions to Minimize Impact of Critical Water Main Replacement in the Keys
14	9:00 AM	Ben Turnage	Ardurra	Progressive Design-build of a 50 MGD Potable Water Booster Pump Station
15	9:30 AM	M. Angelica Gregory	Carollo	Optimizing 5,000 HP of Pumping for Efficient Reclaimed Water Distribution
16	10:00 AM	Kristiana Dragash	Carollo	Water Quality and Resiliency: Considering the Future of Elevated Storage Tanks
TRACK E: RECLAMATION AND REUSE I				
				Moderator: Josefin Hirst Assistant Moderator: TBD
12	8:00 AM	Joshua Benjamin	CDM Smith	CECs? Don't Worry, Treat Happy! Treatability Modeling Minimizes Project Risks
13	8:30 AM	Dale Pearson / Viraj deSilva / Richard Musgrove	Freese and Nichols / FDEP	Navigating Florida's Surface Water Discharge Elimination Plans - SB64 Challenges
14	9:00 AM	Pete Larkin	ASRus	Florida's Drilling Industry and SB64 Compliance – Challenges and Opportunities
15	9:30 AM	Benjamin Swaringen	CDM Smith	Parlez-vous QMRA? Protecting the Public from Pathogens
16	10:00 AM	Nelson Perez-Jacome	Miami-Dade WASD	Feasibility Analysis for a WRRF to Address Zoonotic Pathogens in Reuse
TRACK F: WORKSHOP 6				
				Moderator: Samantha Hanzel
12	8:00 AM	Hot Topics in Collection Systems		
TRACK G: WORKSHOP 7				
				Moderator: Duane Gilles
12	8:00 AM	Operations Topics for Operators		

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TRACK A: MODELING/ GIS/ COMPUTER II				
				Moderator: David Yonge Assistant Moderator: TBD
17	2:30 PM	Angel Retana	Brown and Caldwell	The Use of 3D Model Simulations of Structures in Support of the LKB STA Project
18	3:00 PM	Jonathan Bouchard	Flow-3D	How CFD Can Help: Case Studies in Water Treatment, Conveyance, and Coastal Resiliency
19	3:30 PM	Dave Gunter	McKim and Creed	Best Practices for Compliance in Environmental Controls and SCADA Cybersecurity
20	4:00 PM	Mike Stoup	McKim and Creed	Don't Trust Anyone! The Use of Zero Trust Security for Remote Access
21	4:30 PM	Laurie Kusmaul	Black & Veatch	HMI Conversion: Enhancing User Experience and Efficiency
TRACK B: WATER SUPPLY II				
				Moderator: Sean Stauffer Assistant Moderator: TBD
17	2:30 PM	Thomas Farkas	Jacobs	Investigating the Lower Floridan Aquifer as a Brackish Groundwater Water Supply
18	3:00 PM	Charles Drake	Tetra Tech	Wellfield and Wetlands: Living in Sustainable Harmony
19	3:30 PM	Christina Garcia-Alario & Felipe Franco	Miami-Dade WASD / Black & Veatch	From Obstacles to Opportunities: Miami-Dade County's Journey to ASR
20	4:00 PM	Augustine Alvarez	Stantec	Aquifer Storage and Recovery (ASR) Program Assessment Continuous Coring Program
21	4:30 PM	Caroline Smith	Stantec	Aquifer Storage and Recovery (ASR) Wells in Florida: Construction and Testing
TRACK C: COLLECTION SYSTEMS				
				Moderator: Freddy Betancourt Assistant Moderator: TBD
17	2:30 PM	Oscar Duarte	Wade Trim	Septic to Sewer Conversion Technology Optimization
18	3:00 PM	Colson Marsh	Dewberry	Planning, Funding, Implementing Septic-to-Sewer Projects for Nutrient Reduction
19	3:30 PM	Michelle Collins	Jacobs	Leveraging Grant Funds to Reduce Private System Inflow and Infiltration
20	4:00 PM	Peter Simms	GRU	Reactive to Proactive – GRU's Collection System Swamp Program
21	4:30 PM	Loderic Rose	Archer Western	Utilizing Progressive Design Build to Meet St. Petersburg's Consent Order
TRACK D: STORMWATER AND GREEN INFRASTRUCTURE				
				Moderator: Andrea Crumacker Assistant Moderator: TBD
17	2:30 PM	Alexis Scheele	Wade Trim	How Climate-related Flooding Could Impact Utility Infrastructure
18	3:00 PM	Lisa Sterling / Rebecca Vanderbeck / Nikita Reed	CDM Smith / WSP / COJ	Working Together to Address Urban Flooding: A Self-organizing Channel Design
19	3:30 PM	Aubrey Litzinger	Florida International U.	A SWMM Assessment of GI for Flood Control in Historic Downtown St. Augustine
20	4:00 PM	Kerstin Kenty	Jacobs	Providing Resilience and Equity to the Joe's Creek Corridor
21	4:30 PM	Herby Jean & Mark Flint	Plummer	Revitalizing Flood Protection: Kirby Street Stormwater Pumping System Upgrade
TRACK E: RECLAMATION AND REUSE II				
				Moderator: Viraj deSilva Assistant Moderator: TBD
17	2:30 PM	Brendan Brown	CDM Smith	Digital Data, Automation, and AI for Environmental Compliance and Assessment
18	3:00 PM	Marcel Dulay & Paul Steinbrecher	Jacobs / CCUA	Strategic Water Reclamation: CCUA Journey to 100% Reclaimed Water Utilization
19	3:30 PM	Viraj deSilva	Freese and Nichols	DPR Systems Coast to Coast to Meet Proposed PFAS Limits
20	4:00 PM	Pranjali Kumar	Carollo	Redefining FAT in Potable Reuse: The Skinny on CBAT
21	4:30 PM	Tulsi Shukla	Stantec	Perborate as a Peroxide Source in UV-AOPs for Dioxane Removal from WW Effluent
TRACK F: WORKSHOP 8				
				Moderator: Ann Lee
17	2:30 PM	Effectively Communicating Financial Messages?		
TRACK G: WORKSHOP 9				
				Moderator: Shea Dunifo
17	2:30 PM	From Public Officials to Kindergarteners: How to Effectively Communicate on a Facility Tour		

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