



2025 Tri-Association Conference

**ROLAND E. POWELL CONVENTION CENTER
OCEAN CITY, MD • AUGUST 26-29, 2025**

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Table Of Contents

Tri-Association Conference Welcome.....	2
Conference Planning Committee	8
Convention Center Maps.....	10
Conference At-A-Glance	11
Technical Program At-A-Glance.....	13
NEW CEU Tracking System.....	17
Conference Highlights	18
Tuesday, August 26.....	18
Pre-Conference Workshop.....	20
Wednesday, August 27	22
Operator Process Class	25
Thursday, August 28.....	34
Operator Process Class	35
Friday, August 29.....	44
Technical Program Schedule	46
Wednesday, August 27	46
Thursday, August 28.....	54
Friday, August 29.....	65
Exhibit Hall & Exhibitors	70
Board Members & Committee Chairs	73
Hotel Information.....	79
Registration Information.....	83
Conference Notes.....	88

Welcome

Welcome to the 2025 Tri-Association Conference

Dear Water/Wastewater Colleagues and Friends,

On behalf of the Water and Waste Operators Association (WWOA), the Chesapeake Section of the American Water Works Association (CSAWWA), and the Chesapeake Water Environment Association (CWEA), it is my pleasure to welcome you to the 2025 Tri-Association Conference!

The Conference is the culmination of many months and countless hours of planning by more than 50 planning committee members from the three Associations, representing a considerable and diverse array of backgrounds and capabilities. I thank them for their diligence and resolve in putting this conference together. The planning committee's goal was to produce an outstanding event, including social events, as well as a technical program with a wide range of topics from which all attendees can gather insights into the challenges facing the water and wastewater industries and the environment in general.

This event represents a unique opportunity for water and wastewater professionals, industrial representatives, municipal planners, and elected leaders at the local, county, and state levels to come together, share knowledge, and forge meaningful connections.

Speaking on behalf of the organizing committee, I am confident that this conference will provide an enriching experience for all attendees. Whether you are here to expand your expertise, network with peers, or explore innovative solutions, we have tailored an agenda designed to inspire and inform.

A heartfelt thank you goes out to our sponsors, speakers, exhibitors, and attendees for your unwavering support of Tri-Con. Your contributions are what make this conference a success year after year.

I hope you take full advantage of everything this conference has to offer and leave with fresh perspectives, valuable insights, and renewed enthusiasm for the vital work you do.

Enjoy the conference!

Gratefully yours,

Karl Ott – Chair, 2025 Tri-Association Conference Committee

General Information for Attendees

The Chesapeake Water Environment Association (CWEA), the Chesapeake Section American Water Works Association (CSAWWA), and the Water & Waste Operators Association of MD, DE, and DC (WWOA) are pleased to once again host a combined Annual Conference and Exhibition at the Roland E. Powell Convention Center in Ocean City, Maryland from August 26 – August 29, 2025. The Conference Committee has planned the program and schedule, as well as negotiated blocks of rooms at conference rates with several local hotels. Please check the Tri-Association Conference website (www.chesapeaketricon.org) frequently for updated information regarding the program, hotel accommodations, registration, golf outing, Fun Run/Walk, and other valuable information.

The Conference Registration, Information Desk, and Exhibits will be located on the first floor of the Convention Center. We are also hosting our Opening Ceremony in the Performing Arts Center, conveniently located across from our Exhibit Hall. This year's Exhibit Hall will include more than 250 standard booths. Wednesday breakfast and breaks, Wednesday lunch, and Thursday breakfast and morning break will be held in the Exhibit Hall with the exhibitors. In addition, all Operator Competitions (except Top Ops), the Water Taste Test, and Silent Auction items will be in the Exhibit Hall on Wednesday and Thursday.

Don't forget to visit the FREE headshot booth for a memorial photo! The headshot booth is available on Wednesday in the Exhibit Hall, next to booth 243, from 10:00 a.m. until 4:00 p.m.



Welcome

Our 2025 Technical Program includes more than 150 presentations in six concurrent technical sessions, including two one-hour engineering ethics courses. In addition to the technical presentations, a Pre-Conference Workshop on Asset Management, and four half-day operator classes are available.

The entire technical program and much more are available on our Tri-Con Mobile App – including new digital CEU tracking! Download “TPNI Events” from your app store, and log in using code “TRI”.
See page 17 for more info on digital CEU Tracking.



Mobile App Sponsored by:

AECOM

Cyber Café

The Cyber Café will be located in Room 209 and will include PCs and a printer. The Cyber Café is meant to provide a quiet workspace. Please respect others using this space.

Convention Center WiFi

WiFi will be available at no cost throughout the convention center, including the Exhibit Hall!

To access the conference WiFi:

SSID: CTAGuest2025

Password: MESimpson

Sponsored by:



Roland E. Powell Convention Center

The Convention Center is located at 4001 Coastal Highway, between 40th and 41st streets. There are 1,200 parking spaces at the Convention Center. Anyone with a 2025 Tri-Association Conference name badge can ride the Ocean City buses at no charge.

Welcome

Registration

Registration Location: First Floor Lobby

Tuesday: 10:00 AM to 4:00 PM (Exhibitors until 6:30 PM)

Wednesday: 7:30 AM to 5:00 PM

Thursday: 7:30 AM to 4:00 PM

Friday: 7:30 AM to 10:30 AM

Sponsored by:



At registration, you will receive a conference lanyard containing your name tag, door prize tickets, and paid ticketed events.

Lanyards sponsored by:



While you are registering, make sure you grab your souvenir Tri-Association tote bag!

Tote bags sponsored by:



For the health and safety of all conference attendees, hand sanitizers are available at the information and registration desks.

Sanitizer sponsored by:



Welcome

Attention Certified Operators

The Tri-Con Technical Program has been submitted for approval in Maryland and Delaware, and course codes have been assigned as applicable. Be sure to get your *Technical Session Attendance Form* stamped at the end of each session as this will be the only time to obtain stamps that verify your attendance.

NEW – See page 17 to learn how to track digitally for 2025!

Maryland Department of the Environment has again approved one hour of non-process credit for Exhibitor Product Briefings by visiting exhibitors in the Exhibit Hall. Operators and superintendents can meet and discuss available technologies with a minimum of 10 exhibitors. Exhibitors must complete the *Exhibitor Product Briefing Form*, in the *Technical Session Attendance Form*, and operators must obtain signatures from 10 exhibitors to receive one non-process credit hour.

All operators must get their completed *Technical Session Attendance Form* signed by an authorized committee member at the Information Desk before you leave the conference. You will not be able to obtain a signature after noon on Friday, August 29, 2025 – no exceptions.

Attention Professional Engineers

As part of the continuing education requirements for Professional Engineers registered in Maryland, Delaware, and Virginia, you are required to obtain proof of attendance for professional development hours. The *Technical Session Attendance Form* provides proof of attendance. Be sure to get your *Technical Session Attendance Form* stamped at the end of each session, as this will be the only time to obtain stamps that verify your attendance. **NEW – See page 17 to learn how to track digitally for 2025!**

Engineering Ethics in 2025: Two one-hour presentations on engineering ethics will be provided as part of the technical program to assist PEs with meeting the requirement.

All engineers pursuing continuing education credits must get their completed *Technical Session Attendance Form* signed by an authorized

Welcome

committee member at the Information Desk before you leave the conference. You will not be able to obtain a signature after noon on Friday, August 29, 2025 – no exceptions.

Awesome Door Prizes At Every Break!

All registered attendees receive door prize tickets with their badge. Each break has its own ticket, so be sure to get yours into the drawing bin! Location of each drawing is noted on the ticket.

Tri-Con Fundraising

The Tri-Association Conference has confirmed an updated philanthropic program for 2025, which is focused on supporting communities in both learning more about the water cycle and participating in the local industry and communities. This year's proceeds from fundraisers will help us deliver grants to two organizations. The first is Water For People (www.waterforpeople.org) – a global nonprofit that helps people bring clean water and sanitation solutions to their communities for generations to come. The second is a response to the Request for Proposals from a local water/wastewater/stormwater organization to benefit. For 2025, proceeds will be granted to the Anne Arundel County Watershed Stewards Academy (www.aawsa.org) – a local non-profit whose mission is to train and mobilize community leaders to drive change for sustainable landscapes and clean waters. They will use the grant to fund Aspiring Watershed Stewards' Certification Course capstone projects. To achieve certification, Stewards complete a capstone project, which has traditionally been either an in-ground restoration project like a raingarden or living shoreline or an educational program. For either option, Stewards must complete a community assessment and develop and implement a comprehensive community engagement plan.



water for people

Tri-Con will support these donations through the following fundraisers:

Golf Tournament 5K Fun Run/Walk Silent Auction

Your support of this Tri-Con endeavor is appreciated. We welcome your feedback: info@chesapeakeetricon.org.

Conference Planning Committee

Bethel Abate, *DC Water*

Technical Program;
Opening Ceremony

Raj Arora, *American Pipe*

Door Prizes; Registration

Clarence Beverhoudt, *WSSC Water*

Arrangements/Seacrets; Awards;
Convention Center Liaison; Silent
Auction; Young Professionals

Peter Bozick, *George, Miles & Buhr*

Moderator and Monitors;
Technical Program

Priscilla Brown-Buchalla,

Black & Veatch

Opening Ceremony (Chair)

Andy Cooper,

Whitman, Requardt and Assoc.

Door Prizes (Chair); Registration;
Silent Auction

Gian Cossa, *DC Water*

Arrangements/Seacrets (Chair);
Brochure; CTA; Door Prizes;
Opening Ceremony

Teresa DiGenova, *Black & Veatch*

Women in Water Networking;
Opening Ceremony

Allison Dyott, *Anne Arundel County*

Signs (Co-Chair); Brochure;
Opening Ceremony

Mike Emery, *DC Water (Retired)*

Signs (Co-Chair); Door Prizes;
Exhibits; Silent Auction

Jegnaw Essatu, *WSSC Water*

Young Professionals (Chair);
CWEA Ops Challenge

Travis Gold,

Atlantic Coating Consultants

Moderator and Monitors (Co-Chair)

Pono Hanson, *Brown & Caldwell*

Sponsorships (Chair); Brochure

Eric Held, *Charles Morrow & Assoc.*

Exhibits (Chair); CSAWWA Water
Operator Competitions (Co-Chair);
CTA; Door Prizes; Registration

Aaron Hughes, *RJN Group*

CWEA Ops Challenge

Andrew Jakubowitch, *Kleinfelder*

Awards (Chair); Opening Ceremony

Bob Johns, *Ferguson Waterworks*

CSAWWA Water Operator
Competitions (Co-Chair); Exhibits

Tara Jones, *WSSC Water*

Moderator and Monitors (Co-Chair)

Islam Khallaf, *RJN Group*

CWEA Ops Challenge

Kaylie Kramer, *Brown & Caldwell*

Sponsorships; Brochure

Conference Planning Committee

Carrie Kruger,

All4Him Environmental
Brochure (Chair);
Fun Run/Walk (Chair); Golf;
CSAWWA Water Taste Test

Graeme Lake, *Pennon*

2025 Tri-Con Treasurer;
Arrangements/Seacrets;
Moderators and Monitors

Rosanna LaPlante,

WSSC Water
Opening Ceremony

Sophia Liskovich, *GFT*

Technical Program (Chair); Brochure

Darcy Male, *WSSC Water*

Women in Water Networking (Chair)

Kraig Moodie, *RJN Group*

CWEA Ops Challenge (Chair)

Karl Ott, *Charles Co. (Retired)*

2025 Tri-Con Chair; CTA;
Convention Center Liaison;
Registration; Sponsorships;
Travel and Meetings

Charles Poskas, *JMT*

Fun Run/Walk; Opening Ceremony

Anthony Rocco, *Howard Co.*

CSAWWA Top Ops (Chair)

Ray Streib,

Development Facilitators, Inc.
Silent Auction

Chrissie Swann, *Carollo*

CSAWWA Water Taste Test (Chair)

Ron Tatariw, *Tatariw, Inc.*

Golf (Chair)

Erica Whorley, *Brown & Caldwell*

Communications (Chair); Silent
Auction (Chair); Technical Program

Alan Will, *JMT*

Convention Center Liaison (Chair);
Photography (Chair)

Thank you, committee volunteers!

Conference At-A-Glance

Tuesday, August 26

Exhibitor Move-In

Exhibit Hall
8:00 AM – 6:30 PM

Registration

First Floor
10:00 AM – 4:00 PM

Golf Outing

Ocean City Golf Club, Berlin, MD
Sign In: 11:00 AM
Shotgun Start: 12:00 PM

Pre-Conference Workshop

Asset Management
Rooms 205–206
1:00 PM – 5:00 PM

Operations Challenge – Equipment Set-up & Team Check-In

Exhibit Hall
12:00 PM – 5:30 PM

Operations Challenge – Process Control Event

Exhibit Hall
5:30 PM – 6:30 PM

Cyber Café Open Daily

Room 209
Wed. – Thurs. 8:00 AM – 6:00 PM
Fri – 8:00 AM – 10:30 AM



Wednesday, August 27

5K Fun-Run/Walk

Boardwalk at the Grand Hotel –
21st Street
7:00 AM

Registration Check-In Open

First Floor
7:30 AM – 5:00 PM

Exhibits Open

Exhibit Hall
7:30 AM – 5:00 PM

Breakfast

Exhibit Hall
7:30 AM – 9:30 AM

Silent Auction

Exhibit Hall/Online
8:00 AM Open

Operator Class – Room 210

Well Operation and Maintenance
8:00 AM – 12:00 PM

Technical Sessions

Rooms 201–204, 207–208, 215, and 217
8:30 AM – 10:00 AM

Operations Challenge – Pre-Comp Mtg.

Exhibit Hall
8:30 AM – 9:00 AM

Operations Challenge

Exhibit Hall
9:00 AM – 4:00 PM – Awards to Follow

Residuals & Biosolids

Beauty Contest
Exhibit Hall
9:00 AM – 11:00 AM

Headshot Booth

Exhibit Hall
10:00 AM – 4:00 PM

Break/Visit Exhibitors/DOOR PRIZES

Exhibit Hall
10:00 AM – 11:00 AM

Opening Ceremony/Keynote Address

Performing Arts Center – **DOOR PRIZE**
11:00 AM – 12:00 PM

Lunch With Exhibitors

Exhibit Hall
12:00 PM – 1:00 PM

Technical Sessions

Rooms 201–204, 207–208, 215, and 217
1:00 PM – 2:30 PM

Operator Class – Room 210

Understanding PFAS & Contaminants
1:00 PM – 5:00 PM

Break/Visit Exhibitors/DOOR PRIZES

Exhibit Hall
2:30 PM – 3:30 PM

Meter Challenge

Exhibit Hall
2:30 PM – 3:30 PM

Hydrant Hysteria

Exhibit Hall
2:30 PM – 3:30 PM

Technical Sessions

Rooms 201–204, 207–208, 215, and 217
3:30 PM – 5:00 PM

Shooters Happy Hour

Exhibit Hall
4:00 PM – 5:30 PM

Pipe Cutting Shootout

Exhibit Hall
4:00 PM – 5:00 PM – Awards to Follow

Operations Challenge – Breakdown, Pipe Tapping Move-In

5:00 PM – 6:30 PM

Women in Water Networking Event

Bayfront Ballroom
5:00 PM – 6:30 PM

Fun Night!

Seacrets® (ticketed event)
7:00 PM – 11:00 PM

Conference At-A-Glance

Thursday, August 28

Registration Check-In Open First Floor 7:30 AM – 4:00 PM	CWEA Business Luncheon Bayfront Ballroom – 2nd Floor (ticketed event) 12:30 PM – 1:45 PM
Exhibits Open Exhibit Hall 7:30 AM – 12:30 PM	CSAWWA Business Luncheon Dockside Hall – 1st Floor (ticketed event) 12:30 PM – 1:45 PM
Continental Breakfast Exhibit Hall 7:30 AM – 9:30 AM	WVOA Business Luncheon Rooms 205–206 (ticketed event) 12:30 PM – 1:45 PM
Silent Auction Exhibit Hall/Online 7:30 AM – 10:30 AM	Technical Sessions Rooms 201–204, 207–208, 215, and 217 2:00 PM – 3:30 PM
Technical Sessions Rooms 201–204, 207–208, 215, and 217 8:30 AM – 10:00 AM	Operator Class – Room 210 Backflow Prevention Overview 2:00 PM – 5:30 PM
Operator Class – Room 210 Math for Water and Wastewater 8:30 AM – 12:30 PM	Top Ops Dockside Hall – 1st Floor 2:30 PM – 4:30 PM
Pipe Tapping – Men & Women’s Teams! Exhibit Hall 9:30 AM – 11:30 AM	Break/Door Prizes 2nd Floor Lobby 3:30 PM – 4:00 PM
Break/Visit Exhibitors/DOOR PRIZES Exhibit Hall 10:00 AM – 11:00 AM	Technical Sessions Rooms 201–204, 207–208, 215, and 217 4:00 PM – 5:30 PM
Water Taste Test Exhibit Hall 10:00 AM – 11:00 AM	Awards Program Bayfront Ballroom – 2nd Floor DOOR PRIZE 5:30 PM – 6:30 PM
Technical Sessions Rooms 201–204, 207–208, 215, and 217 11:00 AM – 12:30 PM	YP Happy Hour Alley Oops Midtown Bowling – 56th Street 6:30 PM – 8:30 PM (ticketed event)
Exhibitor Move Out Exhibit Hall 12:30 PM – 4:00 PM	

Friday, August 29

Registration Check-In Open First Floor 7:30 AM – 10:30 AM
Continental Breakfast Second Floor 8:00 AM – 9:30 AM
Technical Sessions Rooms 201–204, 207–208, and 215 9:00 AM – 10:00 AM
MDE Operator Certification Exam Room 210 9:00 AM – 12:00 PM
Technical Sessions Rooms 201–204, 207–208, and 215 10:15 AM – 11:45 AM
Last Chance for Technical Session Attendance Form Signatures!! Information Desk 11:45 AM – 12:00 PM
Adjourn/MONSTER DOOR PRIZES Information Desk 12:00 PM

** Thank you exhibitors! If you are an attendee leaving today, be sure to get your Technical Attendance Form signed!*

Technical Program At-A-Glance

Wednesday, August 27, 2025

	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Asset Management	System O&M	Wastewater Treatment	Water Storage	Utility Management	Wastewater Collection
8:30 AM	Optimizing Wet-Weather Flow Management: Insights from a Business Case Evaluation	Silent Sentinels: Guardians of the Flow	PFAS: Navigating the Shifting Landscape – A 2025 Update	Tanks, Pipes, Panthers, and Progress: Navigating Construction Challenges in Infrastructure Development	Sharing Your Water Story on Capitol Hill – Yes, YPs Too!	A Sewer Model for the Future!
9:00 AM	Innovative Collaborative Engineering Restores Primary Treatment Capacity Without Extending the Construction Duration	A Week Becomes a Day: New Ideas and O&M Collaboration Leads to the Shortest THP Shutdown on Record	Holistic PFAS Management in Wastewater & Biosolids	Benefits of Water Storage Tank Maintenance: Extended Service Life, Lowest Life-Cycle Costs & Most Sustainable Approach	ETHICS Project Managers and Contractors – Working Together Ethically	All Aboard: Fast-Track Design of Sewer Relocations for a Railroad Track Expansion Project
9:30 AM	Lead and Copper Rule Improvements (LCRI) – What Water Systems Need to Know	Construction Without Disruption: Keeping Your Facility Online During a Major Electrical System Upgrade and Facility Renovation	WRF 5107 Understanding Gasification for PFAS Removal and Destruction	Water Tank Coatings Failures – A Deep Dive Into the Causes and Effects of Poor Painting		Forced Maintenance: A Case Study on Wastewater Force Main Inspection
	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Asset Management	System O&M	Wastewater Treatment	Water Treatment	Utility Management	Wastewater Collection
1:00 PM	AI-supported Maintenance Planning of Work Orders: 10 Use Cases	Shutdown Simulation Tool	Upcycling an Industrial Byproduct for Phosphorus and Sulfur Sequestration	CFD Modeling at the City of Baltimore's Oldest WFP's to Aid in Informed Decision Making	The Road to Affordability: Using Data and Metrics for Sound Approaches	The Rehabilitation of DC Water's Northwest Boundary Trunk Sewer
1:30 PM	Digital Twin – Duckett Dam	Advancements in Genome Analysis, Bioinformatics, and the Application to Wastewater Biology	High Energy Savings in Wastewater Treatment With Low DO Resulting in Simultaneous Nitrification and Denitrification	Transforming Water Treatment: Innovative Solutions for Emerging Contaminants	Water Modeling for the Future – The Only Constant is Change	Pollutant H&H Model Prioritizes Improvements & Cost Savings
2:00 PM	BIM Enterprise Implementation – Lessons Learned When Scaling Solutions	HydroWatch: Real-Time Water Health Monitor	CFD Modeling Streamlines Scale Physical Modeling of Pump Intake Hydraulics	Disinfection By-Product (DBP) Control Strategies for Challenging Operational Conditions in the Town of Ocean City, MD	Evaluation of How to Get System Reliability, Enhanced Water Quality, and Adequate Pressure in the City's First and Second Zone	WORLD RECORD HDD under the Deepest Water Harbor on the East Coast
	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Asset Management	Stormwater	Wastewater Treatment	Water Treatment	Utility Management	Wastewater Collection
3:30 PM	Condition Assessment 2.0 – Beyond the Visual: When Data Management Meets Facility Operations	Raising Resilience for Washington, DC with an Integrated Flood Model	Low-Cost Strategies to Reduce Nitrous Oxide Emissions, a Potent Greenhouse Gas	Under Pressure: Efficiently Executing Your PFAS Pilot Program on Surface Water Treatment Plants	WSSC Water's Strategic Plan Drives Realignment of Asset Management Program	From Trunk Lines to All-Pipe Models: Advancing Sewer System Analysis at WSSC Water
4:00 PM	Infrastructure Intelligence – Advanced Pipeline Assessment Using Autonomous Robots for Rapid Baseline Sewer Condition Assessment	From Flood Zone to Resilient Streetscape: The Construction Management Approach to Cleveland Park	Development of Design Criteria for Partial Denitrification Anammox (PdNA) Systems for Sustainable Nitrogen Removal	Operations and Water Quality Dashboarding and Assessing Facility Cost Share in a Complex System	Baltimore City Hydraulic Model Expansion and Charting a Course for 2050	SC941 – Commissioning of a Large Diameter Pressure Sewer Relief System
4:30 PM	DC Water's Use of Machine Learning as an Additional Tool to Document Non-Lead Service Line Records	Ghost Stream Makeover: Trenchless Edition	How Back River WWTP Was Brought Back, an Insider's Perspective	How Good Are You at Multitasking? Operating to Exceed Finished Water Standards While Optimizing Residuals Production	Buck the Traditional and Jump into the Cloud	DC Water's MH31 Replacement Project: A Case Study of DBIA Best Practices

Technical Program At-A-Glance

Thursday, August 28, 2025 • Morning

	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Asset Management	System O&M	Wastewater Treatment	Water Treatment	Utility Management	Wastewater Collection
8:30 AM	Evolution of the Water Capital Improvement Plan Strategy within Detroit Water and Sewerage Department	Transformation of Crownsville's Water and Sewerage Systems from Historic State Institution to a Reimagined Premiere Multiuse Park	Design and Construction to Incorporate a New 360 MGD Headworks At ALCOBAN WWTP	Bench-Scale Assessment of PFAS Removal Options on Surface Water – A Virginia Story	A Discussion of Resources and Tools Available to Prepare Risk and Resilience Assessments and Emergency Response Plans	Taking Innovation and Collaboration to the Next Level – The Story of the Innovation District Pump Station
9:00 AM	Crawl, Walk, Run – Building Your Asset Management Program	From Workshops to Results: Effective Collaboration in Control System Upgrades	Innovative Water Resource Recovery: Cutting-Edge Practices at WSSC Water	Getting the Treatment Right – Pilot Study for an 80 MGD PFAS Surface Water Treatment Plant	From Revolution to Renovation: Revamping Annapolis's Hidden Infrastructure	Reducing Combined Sewer Overflows with Inflatable Dams
9:30 AM	Implementation of Life Extension for Aging Infrastructure	Innovative Turbidity Monitoring: How the Swan AMI Turbidimeter Eliminates the Need for Recalibration	Innovative Solution to Meet ENR Limits in the Chesapeake Bay Watershed in a Severely Underloaded Plant	Design, Construction and Startup of a 30 MGD PFAS Treatment Facility	Preparing Water Workforce to Advance their Skills for Digital and AI	An Innovative Approach to Pump Station Pipeline Inspections Using Rope Access
	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Asset Management	System O&M	Wastewater Treatment	Water Treatment	Utility Management	Wastewater Collection
11:00 AM	Risky Business: Prioritizing System-Wide Water Main Renewal with Data-Driven Precision	Cybersecurity 101 for Water Engineers	Underground Utility Locating and Potential Benefits Inside the Fence	Holistic Approaches to Advanced Water Treatment: Evaluating PFAS Removal and Auxiliary Benefits in Public Utility Systems	Managing and Leading a Hybrid Workforce	Heroic Efforts in the Potomac River
11:30 AM	Resilience and Innovation: Inspecting and Assessing the Anacostia Force Main to Safeguard DC's Critical Wastewater Infrastructure	Holistic Process Optimization of Water Resource Recovery Facilities using Reinforcement Learning	Construction Update from Back River WWTP: Egg-Shaped Digester Rehabilitation	Digital Tools for Advanced PFAS Treatment – Case Study of a Mid-Sized Water Utility	Air Quality Monitoring and Testing During CIPP Installation for Water Mains: A DC Water Case Study	The Pipeline Puzzle: Investigating the Performance Issues in the James Run Force Main
12:00 PM	Emergency Response for 30-Inch PCCP at Anacostia Drive: Leveraging Pipeline Assessment Technology for DC Water	Digital Twin of Warehouse Operations	Out with the Old, in with the New: Centrifuge Dewatering at the Mauldin Road WRRF	Novel Micro-Sorbent Adsorption/Separation Alternative to using RO, GAC and IX for PFAS Removal	Using Nextdoor for Water Quality Public Notifications: A Case Study	Richmond Large Diameter Geopolymer Sewer Rehab 2018 to 2024 – A Look Back and Current Day

NEW CEU/PDH Tracking at Tri-Con!

We are launching a new system for 2025: Download the conference app onto your smartphone, sign in, then enter codes that will be posted at the front of each room, to check in and out of each session you attend.

You will still have the option to use the trusty yellow form, but the form will also include detailed instructions on how to use the conference app to go fully digital to track your CEUs and PDHs.

Technical Program At-A-Glance

Thursday, August 28, 2025 • Afternoon

	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Asset Management	Utility Management	Wastewater Treatment	Water Treatment	Utility Management	Water Distribution
2:00 PM	Climate Resilience Assessment at the Back River Wastewater Treatment Plant: A Collaborative Approach using Design Based Education	Regional Cooperation and Coordination for Water Resource Planning for Metropolitan Washington Drinking Water Sources Supply	We Will Grit By! An Increasingly Complex Grit System Rehabilitation	The Harford County roadmap for Liquid Chromatography/Tandem Mass Spectrometry PFAS Testing	Try Before You Buy – Launching a Successful Employee Mentorship at Your Utility	Service Line Material Identification Without Excavation: Results from DC Water's Pilot Study
2:30 PM	Patuxent Reservoirs Watershed Protection using GIS	Baltimore's Comprehensive Watershed Management Plan: A Template for Regional Source Water Protection	Seven Habits of Highly Effective PFAS Source-Trackers	PFAS Treatment for Surface Water: Not Your Average Groundwater	WSSC Water's Strategic Planning plus 145 Team Members and 1,800 Employees	Threading the Needle: Building Dual 42 Mains in Becks Run Road to Keep Pittsburgh's Water On
3:00 PM	Collaborative Water Supply Modeling to Support Loudoun Water Planning and Operations	Advancing Master Planning Techniques: Demand Forecasting for Comprehensive Infrastructure Planning	Enhancing Wastewater Pump Station Rehabilitation with Advanced Tools and Collaboration	Development of Flexible GAC/IX PFAS Pilot Skid and Lessons Learned	Introduction to MD WARN (Maryland's Water/Wastewater Agency Response Network)	Upgrading the Catonsville Pump Station: A Comprehensive Approach to Rehabilitation and Sustainability
	Room 201	Room 202	Room 203-204	Room 207-208	Room 215	Room 217
	Innovation	Water/Stormwater	Wastewater Treatment	Water Treatment	Utility Management	Water Distribution
4:00 PM	Secondary Treatment Intensification: MOB Process Trial to Enhance Capacity and Improve Sludge Settability at Midwest WWTP	Without the Labs You Are Only Guessing: Why Lab Data is Also Front Line in Operations for the Department of Public Works	How Simple Programming Changes Can Lead to Significant Automation and Optimization of Plant Operations	We Deserve the Best – An Introduction to AWWA's New Single Use Ion Exchange Standard and How It Can Be Used for Projects	Building a UAS Program to Support Water & Wastewater Operations at WSSC Water	Get that Pumping Station Out of the Way
4:30 PM	Got a Need for Speed? Using (Ultra)Sonic Technology to Mitigate Algal Blooms Now	Using CMAC Technology to Meet Chesapeake Bay TMDL Goals in Montgomery County, MD	Keeping it Pumping: Replacing an Influent Pump Station while Maintaining Plant Operations	Resilient Ripples: Upgrading Small Water Systems in Virginia for a Sustainable Future?	Smart Program Management – Digital Solutions Through a Single Source of Truth	City of Elyria – Transmission Mains Condition Assessment
5:00 PM	Community Engineering Corps – Supporting Sustainable Community-Driven Water & Wastewater Infrastructure Solutions Through Equity	Creating a Stormwater Authority – Everything You Need to Know	Nanobubbles: Intensifying Wastewater Treatment & Nutrient Removal While Mitigating Process Inhibition and Seasonal Upsets	Go with the Flow: Upgrading Phoenixville's Water Intake, One Pipe at a Time	Aligning Organizational and Facility Assessments to Holistically Plan for the Future	Collaborative Problem Solving between Owners and Contractor for a Win-Win Outcome: The Allentown Water Main Replacement Project

Technical Program At-A-Glance

Friday, August 29, 2025

	Room 201	Room 202	Room 203-204	Room 205	Room 207-208	Room 215	Room 217
	Clean Energy/ Workforce	Utility Management	Wastewater Treatment	Ethics	Water Treatment	Utility Management	Wastewater Treatment
9:00 AM	Biogas/RNG Project Lifecycle – From Study to Clean Energy Production	Considerations for Structural Lining of 36" and 54" reinforced concrete sewer pipes under Livingston Road	Data-Driven Insights: Using Performance Metrics to Drive Operational Efficiency in Wastewater Treatment	ETHICS Project Managers and Contractors – Working Together Ethically	Lessons to Address PFAS and Other Emerging Contaminants in Source Water	A DC Water EnviroCure® Pilot Study for Air Quality Monitoring and Testing During CIPP Installation in Downtown D.C.	Once Upon a Pelletizer: The Holistic Tale of Optimizing a Contract-operated Biosolids Drying Facility
9:30 AM	How DC Water's Workforce Development Program Drives their Lead Service Line Replacement Program	Building Resilience and Adapting to Climate Change Impacts for Drinking Water and Wastewater Utilities	Developing a Framework for Demonstrating the Viability of Thermal Processing of Biosolids in Anne Arundel County		Small Communities, Big Water Treatment	DC Water at Work: Effective Management of Century-Old Collection System	Combining Thermal Hydrolysis with Advanced Thermal Conversion Processes for Micro-contaminant Destruction
	Room 201	Room 202	Room 203-204		Room 207-208	Room 215	Room 217
	Asset/Utility Management	Operations	Wastewater		Treatment	Utility Management	Planning/Wastewater
10:15 AM	Utilizing AI to Improve Continuity in Data Coding, Increase Project Turnaround Time, and Reduce Overall Project Costs	Navigating the Waves of an Advanced Metering Infrastructure Upgrade in Howard County	Strategic Solids Management: A 20-Year Roadmap for Sustainability and Resource Recovery		Comprehensive Bench-Scale Study on Multi-Contaminant Removal: Addressing PFAS, TOC, and Algal Toxins	Howard County's Integrated Strategies for Protecting Linear Infrastructure in Environmentally Sensitive Areas	Integrating WARN in RRAs & ERPs
10:45 AM	Will It Work? Piloting New Condition Assessment Technologies – A Guideline for Utilities	Aces in the Hole: The Benefits of Plant Operators on the Design Team for a Major WWTP Process Upgrade	Evaluating the Future of Biosolids Composting: Market Trends, Challenges, and Strategic Insights from a Regional Case Study		Solving Forever Chemicals in Under Five Years: Aqua PA's PFAS Program	Lessons Learned from the Rehabilitation of a Large Diameter Storm Pipe	Direct Comparison Between Thermal Hydrolysis and Thermophilic Digestion as Alternatives for Class A Biosolids Management
11:15 AM	Leveraging the Toolbox to Find Significant I/I	Enhancing Operator Competency: Implementing and Sustaining Skill-Based Learning Programs in Water Utilities	Decision Science Tools: Knowing When to Take the Road Less Traveled		Odor Management at Annapolis WRF: Responding to Community Concerns with Data-Driven Solutions	The Bigger Picture: How Utilities Can Technology and Innovation Landscape Insights to Meet Day to Day Challenges	Biosolids Management Planning – Evaluating Technologies for the Long Term

Tuesday, August 26, 2025

PRE-CONFERENCE WORKSHOP

Room 205-206 1:00 PM – 5:00 PM
Pre-Conference Workshop: Asset Management 3.5 hr. Non-Process

Operator Classes

ROOM 210, SECOND FLOOR

Wednesday • 8:00 AM – 12:00 PM	Thursday • 8:30 AM – 12:30 PM
Well Operation and Maintenance 3.5 hr.	Math for Water and Wastewater 3.5 hr.
Wednesday • 1:00 PM – 5:00 PM	Thursday • 2:00 PM – 5:30 PM
Understanding the Dangers of and Treatment Methods for PFAS and Emerging Contaminants 3.5 hr	Backflow Prevention Overview 3.0 hr

NEW CEU Tracking System

NEW CEU/PDH Tracking at Tri-Con!

You know the yellow form – it gets folded, crumpled, perhaps a little coffee spilled on it. It is a tradition at Tri-Con, complete with rubber stamps and waiting in line for a signature, and it has served us well for over a decade.

But no more – we are moving to a digital platform to track session attendance that will improve accuracy and efficiency and put YOU in charge!

A yellow form titled "CEU/PDH Tracking Form" with various sections for personal information, session attendance, and a signature line. It includes fields for name, address, phone, email, and a section for tracking sessions with columns for session number, date, and hours. There is also a section for a signature and a date.

We are launching a new system for 2025: Just download the conference app onto your smartphone, sign in, then enter codes that will be posted at the front of each room, to check in and out of each session you attend.

Since this is the first year we are using this new system, you will still have the option to use the trusty yellow form one last time, but the form will also include detailed instructions on how to use the conference app to go fully digital.

So, pick up your classic yellow form and learn how to take CEU Tracking at Tri-Con to the next level with us in 2025!



Conference Highlights

Tuesday, August 26, 2025

EXHIBITOR MOVE-IN

8:00 AM – 6:30 PM • Exhibit Hall

REGISTRATION/CHECK-IN

10:00 AM – 4:00 PM • First Floor Lobby (Exhibitors until 6:30 PM)

GOLF OUTING BENEFITTING NON-PROFIT WATER ORGANIZATIONS

11:00 AM Check-In, 12:00 PM Shotgun Start

Format: Scramble

Ocean City Golf Club

11401 Country Club Drive, Berlin, MD

Before you arrive in Ocean City, stop off in nearby Berlin, Maryland to play on the beautiful and challenging Newport Bay course at the Ocean City Golf Club. Proceeds from the Golf Outing will benefit two well-deserving not-for-profit organizations. Please see page 7 for more details about Tri-Con fundraising.

Prizes will be awarded at the end of the golf outing. Winners will be posted at the Conference Information Booth. The scramble format will have a 12:00 PM shotgun start (check-in begins at 11:00 AM). Unclaimed prizes will be posted and can be claimed at the Conference Information Booth. Individual and foursome golf registration fees are \$115 and \$460, respectively, and includes a box lunch, driving range, green fees plus cart, and prizes.

Sponsored by:



Conference Highlights

Tuesday, August 26, 2025

Inclement Weather Cancellation

Ocean City Golf Club staff will make the determination on whether the golf course is unplayable due to inclement weather. Contact OCGC directly at 410-641-1779 if threatening or severe weather is forecasted to determine if the golf outing is cancelled. Credit card refunds will be issued to those who request one in writing directly to Ron Tatariw (rtatariw@tatariw.com) by 6:00 PM on September 5, 2025 if, and only if, the golf outing is cancelled due to inclement weather. We will consider the registration fee of those golfers who do not request a refund as a donation to not-for-profit water organizations. We thank you in advance!

Back Again for 2025 – Hole in One Competition for \$50,000!

The golf tournament will include a Hole in One Competition. It will be \$5 to enter and each person can enter only one time. The prize for a hole in one is \$50,000. If there is more than one hole-in-one winner, the prize will be split between the winners.

Registration: Register for golf through our online system at www.chesapeakeetricon.org/golf.html.

For additional information, Contact Ron Tatariw, Tatariw, Inc., at 703-716-0770 or by email: rtatariw@tatariw.com.

Directions to golf course from Ocean City: Go west on Route 50 to third traffic light and then turn left on Route 611 (Stephen Decatur Highway). Go six miles south on Route 611 to the "Y" in the road. Bear right at the "Y" onto South Point Road. Ocean City Golf Club is one mile on the right.



Conference Highlights

Tuesday, August 26, 2025

PRE-CONFERENCE WORKSHOP: COMMUNICATING ASSET MANAGEMENT TO INTERNAL AND EXTERNAL STAKEHOLDERS

The 2025 Tri-Association Conference Committee is pleased to offer a Pre-Conference Workshop on Asset Management. You must register for the workshop as part of your conference registration. *Subject to cancellation. If cancelled, registrants will be notified, and payments will be refunded in full.*

1:00 PM – 5:00 PM • Room 205–206

Presented by the joint CWEA & CSAWWA Asset Management Committee

Physical infrastructure is paramount to society's wellbeing. Constructing, operating, maintaining, and renewing this infrastructure is costly and frequently undervalued, especially for systems that are out of sight and out of mind. Utilities are faced with increasing costs to retain a skilled workforce that can plan and manage all phases of the lifecycle – from commissioning to O&M to decommissioning. There is a shift from simply *managing assets* to more formal asset management programs that consider the entirety of the asset management system. But what does asset management mean? And what do the diverse audiences that interact with water/wastewater systems want to know about it?

In this workshop, participants will engage with industry experts to explore and discuss effective strategies for communicating the concept and intrinsic value of asset management to stakeholders. Discussions will focus on tailoring messaging to both internal stakeholders – such as utility executives and commissioners, engineering and construction teams, operations and maintenance staff, finance, and IT – as well as external stakeholders including regulatory agencies, partner organizations, communication professionals, consultants, and customers.

Through a blend of presentations, case studies, and hands-on exercises, participants will:

- Increase their awareness of formalized asset management vs. managing assets
- Learn how to effectively communicate with different stakeholder groups
- Develop a list of proven benefits of formalized asset management that can be used within their respective organizations
- Promote transparency and accountability, strengthening trust between internal and external stakeholders

Conference Highlights

Tuesday, August 26, 2025

17TH ANNUAL OPERATIONS CHALLENGE

Equipment Set-Up and Team Check-In

12:00 PM – 5:30 PM • Exhibit Hall

Operation OC2! – Day 1

Process Control Event

5:30 PM – 6:30 PM • Exhibit Hall

Continues on Wednesday. (See page 25 for details.)

Join us at the **2025 Operations Challenge** to witness the nation's top wastewater collection and treatment experts showcase their incredible skills. This exciting competition features teams of four (plus a coach) battling it out in five thrilling events designed to test the diverse abilities needed for the operation and maintenance of water resource recovery facilities, collection systems, and laboratories.



The five events:

1. Collection Systems
2. Laboratory
3. Process Control
4. Maintenance
5. Safety

Teams compete to earn the highest scores, with winners determined by a weighted points system. Don't miss this chance to celebrate the unsung heroes of wastewater management and see them in action! To register your team for this event go to: www.chesapeakeetricon.org/ops-challenge.html

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

5K FUN RUN/WALK

BENEFITTING WATER NON-PROFIT ORGANIZATIONS

7:00 AM • BOARDWALK AT THE GRAND HOTEL (21ST STREET)

The 2025 Tri-Con Fun Run/Walk will start outside of the Grand Hotel where participants will enjoy camaraderie and a beautiful view of the ocean. In 2024, 55 runners and walkers came out to enjoy wonderful weather and an incredible sunrise! Registration includes a T-shirt, water, snack, and prizes. Proceeds from the Fun Run will be donated to Water For People and the Anne Arundel County Watershed Stewards Academy as described in Tri-Con Fundraising on page 7.

You must pre-register to participate. \$40 early-bird registration (until August 5)/\$50 standard registration (after August 5).

Registration: Register for the Fun Run through our online system at www.chesapeakeetricon.org/fun-run.html. You may also register at the registration desk at the Conference Center first floor lobby.

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

Inclement Weather Cancellation: In the event of inclement weather, Fun Run registrants will be contacted by email if the event is cancelled. Credit card refunds will be issued to those who request one in writing directly to Carrie Kruger (ckruger@all4himenv.com) by 6:00 PM on September 5, 2025 if, and only if, the Fun Run is cancelled due to inclement weather. We will consider the registration fee of those runners who do not request a refund as a donation.

REGISTRATION/CHECK-IN

7:30 AM – 5:00 PM • First Floor Lobby

Sponsored by:



EXHIBITS OPEN

7:30 AM – 5:00 PM • Exhibit Hall



CONTINENTAL BREAKFAST

7:30 AM – 9:30 AM • Exhibit Hall

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

SILENT AUCTION BENEFITTING WATER FOR PEOPLE & ANNE ARUNDEL COUNTY WATERSHED STEWARDS ACADEMY

8:00 AM – 6:00 PM • Exhibit Hall/Online

(Ends at 10:30 AM on Thursday, August 28)



water for people

Silent Auction Is Online Again This Year!

Tri-Con's Silent Auction will once again be a hybrid event with items displayed in the Exhibit Hall, but bidding will take place only on 32auctions (www.32auctions.com/tricon2025). To participate, you will need a 32auctions account. The auction will run continuously from 8:00 AM Monday through 10:30 AM Thursday. You must pay for your item directly online, and then bring your receipt to the Information Desk to pick up your items. No items will be shipped without prior arrangement.

A portion of the proceeds will benefit the Anne Arundel County Watershed Stewards Academy. The Academy (www.aawsa.org) will use the grant to fund Aspiring Watershed Stewards' Certification Course capstone projects. To achieve certification, Stewards complete a capstone project, which has traditionally been either an in-ground restoration project like a rain garden or living shoreline or an educational program. For either option, Stewards must complete a community assessment and develop and implement a comprehensive community engagement plan.

Proceeds will also benefit Water For People (www.waterforpeople.org) – a global nonprofit that helps people bring clean water and sanitation solutions to their communities for generations to come.

Items will be displayed in the Exhibit Hall, and detailed instructions for participating are posted at the Silent Auction tables, and at the Information Desk. Please contact Erica Whorley (triconsilentauctions@gmail.com or ewhorley@brwnncald.com) for more information.



Conference Highlights

Wednesday, August 27, 2025

OPERATOR CLASS (must pre-register)

8:00 AM – 12:00 PM • Room 210

Well Operation and Maintenance

See page 27 for more details.

Sponsored by:



TECHNICAL SESSIONS

8:30 AM – 10:00 AM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



17TH ANNUAL OPERATIONS CHALLENGE

9:00 AM – 4:00 PM • Exhibit Hall – Award Ceremony to Follow

See page 21 for more details.

Pre-Competition Meeting

8:30 AM – 9:00 AM • Exhibit Hall

Operation OC2! – Day 2

Join us for the second day of the 2025 Operations Challenge, featuring a lineup of thrilling events:

- Maintenance Event
- Collection System Event
- Safety Event
- Awards Ceremony
- Pipe Cutting Shootout



Conference Highlights

Wednesday, August 27, 2025

The challenge culminates with the Pipe Cutting Shootout during the Shooters Happy Hour. This event is open to all registered attendees, with both male and female divisions and fantastic prizes up for grabs! To participate, sign up on Tuesday or Wednesday before the event (see page 32 for details).

Sponsored by:



RESIDUALS AND BIOSOLIDS BEAUTY CONTEST

9:00 AM – 11:00 AM • Exhibit Hall

Register all Residuals and Biosolids entries for the Beauty Contest at the Chesapeake WEA table on the second floor **before 9 AM** on Wednesday. Entries will be displayed and judged in the Exhibit Hall after they've been registered. There will be awards handed out during the Chesapeake WEA Annual Business Meeting Luncheon on Thursday, August 28 beginning at 12:30 PM. Awards will be given for Class A Fresh/Unblended, Class A Enhanced, Class B, Residuals, and Best in Presentation (overall). For more information contact John Maley at john.maley@hdrinc.com or Traci Storm at traci@chesapeakewea.org.

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

OPERATOR CLASSES

WEDNESDAY 8:00 AM – 12:00 PM • Room 210 (3.5 hours)

Well Operation and Maintenance

Instructor: **Eddie Cope**, Anne Arundel County

This course is intended for superintendents and operators of public water systems that utilize groundwater wells as a source of supply. Topics to be covered include groundwater hydrogeology; types of wells and drilling techniques; well pumps, motors, and control systems; well pump station design; operational strategies; well maintenance and rehabilitation alternatives; water quality monitoring; performance monitoring and troubleshooting; and sanitary risks and protection.

WEDNESDAY 1:00 PM – 5:00 PM • Room 210 (3 hours)

Understanding the Dangers of and Treatment Methods for PFAS Chemicals and Emerging Contaminants

Instructor: **Scott Harmon**, RCAP

This session will be covering information, and treatment methods for PFAS chemicals including PFOA, PFOA and GenX chemicals. We will discuss the history, health effects, and EPA's past and recent actions to address this issue and will explore the Best Available Treatment Techniques for treatment and mitigation.

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

HEADSHOT BOOTH

10:00 AM – 4:00 PM • Exhibit Hall, Next to Booth 243



WEDNESDAY MORNING BREAK/VISIT EXHIBITORS – DOOR PRIZE!

10:00 AM – 11:00 AM • Exhibit Hall

See door prize ticket for time of prize drawing.

Sponsored by:



BLACK & VEATCH

OPENING CEREMONY/KEYNOTE ADDRESS

11:00 AM – 12:00 PM • Performing Arts Center – DOOR PRIZE!

Sponsored by:



Welcome

Gian Cossa, Acting Tri-Association Conference Committee Chair

Keynote Speaker

Ms. Kishia L. Powell

General Manager and CEO, WSSC Water

Kishia Powell is a dynamic force in the global water sector with 27 years of experience in both the public and private sectors across the U.S. and London. She leads a team of 1,789 strong and manages the day-to-day operations of the largest water utility in Maryland – the 8th largest in the country – and ensures water and water resource recovery services are safely provided to 1.9 million customers throughout a 1,000-square-mile service area. WSSC Water has a combined operating and capital budget of \$1.8 billion, and a six-year capital program of \$4.9 billion.



Conference Highlights

Wednesday, August 27, 2025

Ms. Powell served on President Biden's National Infrastructure Advisory Council's Subcommittee for Expanding Workforce Development. She currently serves on the board of the National Association of Clean Water Agencies (formerly as President), representing over 400 clean water agencies across the country; the Water Research Foundation's Board of Directors; and the Baltimore Water Task Force. In May 2023, the Maryland Society of Professional Engineers honored her with the Industry Icon Award.

LUNCH WITH EXHIBITORS

12:00 PM – 1:00 PM • Exhibit Hall

Sponsored by:



TECHNICAL SESSIONS

1:00 PM – 2:30 PM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



OPERATOR CLASS

1:00 PM – 5:00 PM • Room 210

**Understanding the Dangers of and Treatment Methods
for PFAS Chemicals and Emerging Contaminants**

See page 27 for more details.

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

WEDNESDAY AFTERNOON BREAK/VISIT EXHIBITORS –

DOOR PRIZE!

2:30 PM – 3:30 PM • Exhibit Hall

See door prize ticket for time of prize drawing.

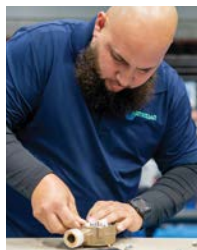
Sponsored by:



METER CHALLENGE

2:30 PM – 3:30 PM • Exhibit Hall

The Meter Challenge is your opportunity to challenge and compete against your fellow operators, engineers, and other water utility professionals. The competition is an individual event aimed at measuring an individual's skill at assembling a meter quickly, totally, and accurately. Each qualified participant is solely



responsible for his/her performance. Winner of the local competition will have the chance to go to the national AWWA Meter Challenge Competition, at ACE26 in Washington, DC.

All sponsorship funds for Meter Challenge, Hydrant Hysteria, Pipe Tapping, and Top Ops support CSAWWA competitors' travel to the national competitions at AWWA's Annual Conference and Expo (ACE).

Sponsored by:



Conference Highlights

Wednesday, August 27, 2025

HYDRANT HYSTERIA

2:30 PM – 3:30 PM • Exhibit Hall

Hydrant Hysteria is a measure of a team's skill at assembling a fire hydrant quickly, totally and accurately. All parts must be assembled in the proper manner and the reassembled hydrant is tested by the judges for its ability to operate correctly. Competitors race against the clock, and can be penalized in seconds for any errors in assembly.



Sponsored by:



TECHNICAL SESSIONS

3:30 PM – 5:00 PM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



SHOOTERS HAPPY HOUR

4:00 PM – 5:30 PM • Exhibit Hall

Come network and enjoy light fare and drinks with our valued exhibitors while you watch attendees participate in the Pipe Cutting Shootout. Sodas, beer, and wine are complimentary and a cash bar for liquor will be available. After happy hour, come join your fellow attendees and exhibitors for a Fun Night at Seacrets®!

Conference Highlights

Wednesday, August 27, 2025

PIPE CUTTING SHOOTOUT

**4:00 PM – 5:00 PM • Exhibit Hall –
Award Ceremony to Follow**

Wrap up your Operations Challenge experience with the thrilling Pipe Cutting Shootout during the Shooters Happy Hour. This event is open to all registered attendees, so don't miss your chance to compete in the fastest single pipe cut competition. We have separate categories for men and women, and many first-time participants return year after year to join the fun. Trophies and gift cards await the fastest cutters in each category! Sign up now and be part of the action. See you Wednesday afternoon!



WOMEN IN WATER NETWORKING EVENT

5:00 PM – 6:30 PM • Bayfront Ballroom, Second Floor

Join us for an evening of “Never Have I Ever” with a twist!

We've curated thoughtful and fun questions that explore the unique challenges women face in male-dominated industries – all in a supportive, safe space. Come share laughs, reflect on real experiences, and celebrate the resilience, brilliance, and impact of women driving change in water. Let's build connections, spark engaging conversations, and inspire one another to keep pushing boundaries – together.

Please join us after the conclusion of Wednesday's technical sessions in the Bayfront Ballroom, located on the second floor of the convention center. Attendance is free but pre-registration is required.

Sponsored by:

carollo

**CDM
Smith**

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**MOTT
MACDONALD**

GFT

GEIGER
GEIGER PUMP & EQUIPMENT

Conference Highlights

Wednesday, August 27, 2025

FUN NIGHT

7:00 PM – 11:00 PM • Seacrets® (ticketed event)

Fun Night at Seacrets® has become THE networking/social event not to miss at Tri-Con! Everything is set for another fantastic evening with a cool Caribbean vibe plus great food, jammin' music, and even free transportation. Appetizers and a full dinner buffet are served starting at 7:30 PM, and each guest gets two free drink tickets. Chill on the beach with our DJ, or under the tent with the high-energy party band, The Way Outs. These four dudes, usually in Hawaiian shirts, will be playing all of your favorite dance music so hit the floor and have a great time rocking out with The Way Outs.

\$80: Tickets must be purchased by Tuesday, August 26, 2025. No tickets will be sold at the door or individually on Wednesday at the conference. Bring your name badge to use on the Ocean City buses for a free ride back to your hotel. Must be 21 years old to attend.

Sponsored by:



Conference Highlights

Thursday, August 28, 2025

REGISTRATION/CHECK-IN

7:30 AM – 4:00 PM • First Floor Lobby

Sponsored by:



EXHIBITS OPEN

7:30 AM – 12:30 PM • Exhibit Hall

Exhibitor Move-Out: 12:30 PM – 4:00 PM

CONTINENTAL BREAKFAST

7:30 AM – 9:30 AM • Exhibit Hall

Sponsored by:



SILENT AUCTION BENEFITTING WATER FOR PEOPLE AND MARYLAND REENTRY RESOURCE CENTER

7:30 AM – 10:30 AM • Exhibit Hall

(continued from Wednesday)

See page 24 for more information.

TECHNICAL SESSIONS

8:30 AM – 10:00 AM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



Conference Highlights

Thursday, August 28, 2025

OPERATOR CLASS (must pre-register)

THURSDAY 8:30 AM – 12:30 PM • Room 210

Math for Water and Wastewater

Instructor: **Will Shreve, Jr.**, BTS Bioenergy

The class is a review of water and wastewater math including averages, DO uptake, pressure, chemical feeding and loading, and F/M ratios. Questions will be based on the new MDE Study Guide.

THURSDAY 2:00 PM – 5:30 PM • Room 210 (3 hours)

Backflow Prevention Overview Class

Instructor: **William “Bill” Hague**, Delaware Rural Water Association

Class summary:

- History of backflow
- Backflow terminology
- Devices and assemblies
- Backflow prevention hydraulics
- Installation criteria
- Backflow devices & methods
- Pressure Vacuum breaker/Spill Resistant Vacuum breaker
- Double Check Valve Assembly
- Reduced Pressure Principle Assembly
- Pressure differential gauges
- Testing and test forms
- Cross Connection Control Surveys
- Questions & answers

Sponsored by:



Conference Highlights

Thursday, August 28, 2025

PIPE TAPPING – MEN’S & WOMEN’S TEAMS!

9:30 AM – 11:30 AM • Exhibit Hall

The CSAWWA Tapping Competition is a competition of skill in which water operators work against the clock to open a cement-lined, ductile iron pipe and install a tap. The pipe is filled and under pressure, just as would be in the field. The competition winners are then eligible to compete in the national Tapping Competition. There are two divisions, Men’s and Women’s.

Sponsored by:



All sponsors directly support sending our winners to the national competition.

THURSDAY MORNING BREAK/VISIT EXHIBITORS – DOOR PRIZE!

10:00 AM – 11:00 AM • Exhibit Hall

See door prize ticket for time of prize drawing.

Sponsored by:



WATER TASTE TEST

10:00 AM – 11:00 AM • Exhibit Hall

Which utility has the very best tasting tap water in the Chesapeake region? Find out at this annual favorite. The winner will compete nationally at AWWA's ACE26 in Washington, DC! For more information, contact Carrie Kruger (ckruger@all4himenv.com).



Conference Highlights

Thursday, August 28, 2025

TECHNICAL SESSIONS

11:00 AM – 12:30 PM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



BUSINESS LUNCHEONS

\$45 – register in advance

All conference attendees are welcome to attend the Association Business Luncheon of their choice – WWOA, CSAWWA, or CWEA (ticket purchase required). A buffet lunch is served as gavels are passed, and our leaders are recognized. Come to learn about how our associations work for you, and give our volunteers a big hand for delivering value to our members.

CSAWWA Business Luncheon (ticketed event)

12:30 PM – 1:45 PM • Dockside Hall

(First floor, bayside)

The following awards will be presented:

- Past Chair Award
- Chair's Honor Award
- Life Member Awards
- Silver Drop Awards
- Gold Drop Awards
- Committee Chair Recognition
- Surface Water Treatment Optimization Awards, presented by Maryland Department of the Environment, Water Supply Program



Sponsored by:



Conference Highlights

Thursday, August 28, 2025

AWWA National Representative

Matthew Junker

Chair, Public Affairs, American Water Works Association

Matthew Junker is a public relations professional for the Municipal Authority of Westmoreland County, a water and wastewater utility in Southwestern Pennsylvania. Matt volunteers with the Public Affairs Council at AWWA, where he worked on the Lead Communications Guide and Toolkit, Trending in an Instant, and other projects. He has presented twice at ACE, once at UMC, and published five articles in *Journal AWWA* and one in *OpFlow*.



With a degree from Penn State, Matt worked in Journalism for 11 years and then moved into state government and then county government. As a journalist, Matt covered courts, county government, and crime. In the Pennsylvania Senate, Matt handled grants for his Senator, bringing back \$6 million in grants in four years. At Westmoreland County, Matt served as chief of staff for Commissioner Chuck Anderson. In his seven years at Westmoreland County, Matt had responsibility for day-to-day operational management of the county, which had a \$340 million budget, over 40 departments and about 2,000 employees.

While working for the state and county, Matt had lots of interaction with the Municipal Authority of Westmoreland County, occasionally finding funding for projects, and later keeping Commissioner Anderson up to speed with developments at the water authority. When the previous public relations professional at MAWC ran for county commissioner and won, Matt took the job and has had great fun learning something new every day.

CWEA Business Luncheon (ticketed event)

12:30 PM – 1:45 PM • Bayfront Ballroom

(Second floor)



The following awards will be presented at the CWEA Business Luncheon:

- Rising Star Award
- 5S Awards
- Past President's Award
- Golden Manhole
- Golden Raindrop

Conference Highlights

Thursday, August 28, 2025

WEF National Representative

Christine Volkay-Hilditch, P.E., BCEE

Treasurer, Water Environment Federation



Christine Volkay-Hilditch is the 2023–2026 Treasurer for the Water Environment Federation. Volkay-Hilditch is employed as the deputy director of public works and utilities for the City of Lancaster, PA. She leads the management and operations of the water and wastewater treatment plants and supervises engineering, laboratory, pretreatment, operations and maintenance staff.

Ms. Volkay-Hilditch earned her bachelor's degree in civil engineering from Villanova University, and her master's degree in civil engineering from Northeastern University. She also has a Master of Public Administration from Villanova University. Christine is a registered professional engineer and a diplomat of the Environmental Engineering Academy. She holds sewage treatment plant operator and water works operator licenses in Pennsylvania. Ms. Volkay-Hilditch has served in the WEF House of Delegates and has been a member of several workgroups. She is currently vice chair of the Utility Management Community. She is a member of the Pennsylvania Society of Sanitary Sludge Shovelers, and is a recipient of the Arthur Sidney Bedell Award and the Volunteer Service Award. Ms. Volkay-Hilditch is a member of the Pennsylvania Water Environment Association (PWEA) and the Eastern Pennsylvania Water Pollution Control Operators Association (EPWCOAP) and has served as president of both. She also is a member of the board of directors of the Pennsylvania Water and Wastewater Agency Response Network and currently serves as its treasurer.

Ms. Volkay-Hilditch is also a member of the Delaware County Professional Engineers Society and has assisted with the annual Math Counts competition for several years. Ms. Volkay-Hilditch is an avid supporter of operator certification and is an instructor in the wastewater operator training program at the Delaware County Community College.

Conference Highlights

Thursday, August 28, 2025

WWOA Business Luncheon (ticketed event)

12:30 PM – 1:45 PM • Rooms 205–206

The following awards will be recognized at the WWOA Business Luncheon:



- The WWOA Lifetime Membership Award
- The WWOA Employer Recognition Award
- William McLean Bingley Award for Distinguished Service in Wastewater
- WWOA Award for Outstanding Personal Service to the Association
- The Barry Walter Award for Distinguished Service in Water Distribution
- Distinguished Service in Water Treatment
- Distinguished Service in Wastewater Collection Systems
- WWOA Young Professionals Award
- WWOA Award for Administrative Excellence

Sponsored by:



TECHNICAL SESSIONS

2:00 PM – 3:30 PM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



OPERATOR CLASS (must pre-register)

2:00 PM – 5:30 PM • Room 210

Backflow Prevention Overview

See page 35 for more details.

Sponsored by:



Conference Highlights

Thursday, August 28, 2025

TOP OPS

2:30 PM – 4:30 PM • Dockside Hall (First floor)

Fast action and fun characterize this annual competition as teams of water plant operators square off against each other. The quiz show format tests the understanding and quick thinking of operators as they answer challenging technical, regulatory, and customer service questions. The room will be filled with the spirit of contest as the participants are cheered, judges are booed, and competitors vie for a chance to go to the National Top Ops Challenge at the national AWWA Conference – to be held in Washington, DC in 2026. For more information, contact Anthony Rocco, Howard County Bureau of Utilities, 410-313-4945.



Sponsored by:



THURSDAY AFTERNOON BREAK – DOOR PRIZE!

3:30 PM – 4:00 PM • Second Floor Lobby

See door prize ticket for time of prize drawing.

Sponsored by:



TECHNICAL SESSIONS

4:00 PM – 5:30 PM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:



Conference Highlights

Thursday, August 28, 2025

AWARDS PROGRAM

5:30 PM – 6:30 PM • Bayfront Ballroom (Second Floor)

DOOR PRIZE!

Everyone is welcome to enjoy refreshments and help recognize this year's award-winning members! Meet and congratulate award winners while enjoying hot and cold hors d'oeuvres. Sodas, beer, and wine are complimentary. Cash liquor bar will be available.

Our organizations have a number of prestigious awards to grant members who have demonstrated the very best of attributes that promote our missions. The following awards will be presented:

Tri-Association Conference

- Tri-Association Conference Committee Service Award

WWOA

- William McLean Bingley Award for Distinguished Service in Wastewater
- WWOA Award for Outstanding Personal Service to the Association
- The Barry Walter Award for Distinguished Service in Water Distribution
- Distinguished Service in Water Treatment
- Distinguished Service in Wastewater Collection Systems
- WWOA Young Professionals Award
- WWOA Award for Administrative Excellence

CSAWWA

- Operator of the Year
- Carl John Lauter Award
- George Warren Fuller Award
- Competition Winners Recognition: Top Ops, Pipe Tapping, Meter Challenge, Hydrant Hysteria, and Water Taste Test

CWEA

- The Laboratory Analyst Award
- The Hatfield Award – Operators Award
- The Bedell Award – Service to the Organization

Conference Highlights

Thursday, August 28, 2025

YOUNG PROFESSIONALS HAPPY HOUR

**6:30 PM – 8:30 PM • Alley Oops Midtown Bowling –
56th Street (ticketed event)**

Join us for an exciting event! The Young Professionals are hosting a night of networking and fun on Thursday, August 28, and everyone is welcome! The evening will feature engaging activities designed to foster meaningful connections among young professionals from various industries, and YPs from CWEA, WWOA, and CSAWWA. It's a fantastic opportunity to connect with peers, gain valuable insights, and establish new relationships within your professional network. We hope you can join us for what promises to be a memorable evening. We'll enjoy happy hour and appetizers at Alley Oops Midtown Bowling Alley.

Space is limited to 70 people, so be sure to register early.

Registration is required and includes one happy hour drink and appetizers. The cost is \$20.00 per person. Don't miss out on this great opportunity!

Sponsored by:



Conference Highlights

Friday, August 29, 2025

REGISTRATION/CHECK-IN

7:30 AM – 10:30 AM • First Floor Lobby

Sponsored by:



CONTINENTAL BREAKFAST

8:00 AM – 9:30 AM • Second Floor Lobby

Sponsored by:



TECHNICAL SESSIONS

9:00 AM – 10:00 AM •

Rooms 201–204, 205, 207–208, 215, and 217

Sponsored by:



MDE OPERATOR CERTIFICATION EXAM

(must pre-register)

9:00 AM – 12:00 PM • Room 210



Maryland
Department
of the Environment



WATER AND WASTE OPERATORS OF
MD, DE, AND DC

Conference Highlights

Friday, August 29, 2025

TECHNICAL SESSIONS

10:15 AM – 11:45 AM • Rooms 201–204, 207–208, 215, and 217

Sponsored by:

GFT



LAST CHANCE FOR TECHNICAL SESSION ATTENDANCE FORM SIGNATURES!

11:45 AM – 12:00 PM • Information Desk, First Floor Lobby

ADJOURN/MONSTER DOOR PRIZES

12:00 PM • Information Desk, First Floor Lobby



Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 201 • ASSET MANAGEMENT (VERTICAL)

8:30 AM – 9:00 AM

Optimizing Wet-Weather Flow Management:

Insights from a Business Case Evaluation

Elizabeth Shearn, WSSC Water (elizabeth.shearn@wsscwater.com)

Maddie McGuire, Black & Veatch

9:00 AM – 9:30 AM

Innovative Collaborative Engineering Restores Primary

Treatment Capacity Without Extending Construction Duration

William Wagner, Whitman, Requardt & Associates, LLP

(wwagner@wrallp.com)

Timothy Wolfe, Baltimore City DPW

9:30 AM – 10:00 AM

Lead and Copper Rule Improvements (LCRI) –

What Water Systems Need to Know

Laura Vidal, 120Water (laura.vidal@120water.com)

Isaac Pellerin, 120Water

1:00 PM – 1:30 PM

AI-supported Maintenance Planning of Work Orders: 10 Use Cases

John Rickermann, Jacobs (john.rickermann@jacobs.com)

Greg Ryland, Jacobs

1:30 PM – 2:00 PM

Digital Twin – Duckett Dam

Manoharan Chelladurai, WSSC Water

(manoharan.chelladurai@wsscwater.com)

Neeraj Masson, WSSC Water

2:00 PM – 2:30 PM

BIM Enterprise Implementation –

Lessons Learned when Scaling Solutions

Michael Skerritt, Mott MacDonald (michael.skerritt@mottmac.com)

Mark Reid, DC Water

3:30 PM – 4:00 PM

Condition Assessment 2.0 – Beyond the Visual:

When Data Management Meets Facility Operations

Chrissie Swann, Carollo (cswann@carollo.com)

Danielle Dade, WSSC Water

Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 201 • ASSET MANAGEMENT (HORIZONTAL) (CONTINUED)

4:00 PM – 4:30 PM

Infrastructure Intelligence – Advanced Pipeline Assessment Using Autonomous Robots for Rapid Baseline Sewer Condition Assessment
Sam Cancilla, RedZone Robotics Inc. (scancilla@redzone.com)

4:30 PM – 5:00 PM

DC Water's Use of Machine Learning as an Additional tool to Document Non-Lead Service Line Records
Andrew Welter, Ramboll Americas Engineering Solutions (andrew.welter@ramboll.com)

Matthew Young, CDM Smith

Michael Walsh, DC Water

ROOM 202 • SYSTEM OPERATIONS/MAINTENANCE

8:30 AM – 9:00 AM

Silent Sentinels: Guardians of the Flow
Manoharan Chelladurai, WSSC Water (manoharan.chelladurai@wsscwater.com)
John Schlee, WSSC Water

9:00 AM – 9:30 AM

A Week Becomes a Day: New Ideas and O&M Collaboration Leads to the Shortest THP Shutdown on Record
Dylan Woolard, HRSD (dwoolard1@hrsd.com)
Shane Dearborne, HRSD
Jeff Powell, HRSD

9:30 AM – 10:00 AM

Construction Without Disruption: Keeping Your Facility Online During a Major Electrical System Upgrade and Facility Renovation
Ian Smith, CDM Smith (smithib@cdmsmith.com)
Glenn Maggard, City of Rockville

1:00 PM – 1:30 PM

Shutdown Simulation Tool
Manoharan Chelladurai, WSSC Water (manoharan.chelladurai@wsscwater.com)
Neeraj Masson, WSSC Water

Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 202 • SYSTEM OPERATIONS/MAINTENANCE (CONTINUED)

1:30 PM – 2:00 PM

Advancements in Genome Analysis, Bioinformatics,
and the Application to Wastewater Biology

Howie Pearson, Quorum (hwp@quorum.com)

2:00 PM – 2:30 PM

HydroWatch: Real-Time Water Health Monitor

Manoharan Chelladurai, WSSC Water

(manoharan.chelladurai@wsscwater.com)

John Schlee, WSSC Water

ROOM 202 • STORMWATER

3:30 PM – 4:00 PM

Raising Resilience for Washington, DC with an Integrated Flood Model

Christine Estes, AECOM (christine.estes@aecom.com)

4:00 PM – 4:30 PM

From Flood Zone to Resilient Streetscape:

The Construction Management Approach to Cleveland Park

Barry Lucas, FOXSTEM (mmcgarry@foxstem.com)

4:30 PM – 5:00 PM

Ghost Stream Makeover: Trenchless Edition

David Gleason, Hazen and Sawyer (dgleason@hazenandsawyer.com)

Michael Keating, Hazen and Sawyer

Kristen Buccier, Northeast Ohio Regional Sewer District

ROOM 203/204 • WASTEWATER TREATMENT – BIOSOLIDS & RESIDUALS

8:30 AM – 9:00 AM

PFAS: Navigating the Shifting Landscape – A 2025 Update

Mary Baker, Mid-Atlantic Biosolids Association (mbaker@mabiosolids.org)

9:00 AM – 9:30 AM

Holistic PFAS Management in Wastewater & Biosolids

Kelly Landry, Hazen and Sawyer (klandry@hazenandsawyer.com)

9:30 AM – 10:00 AM

WRF 5107 Understanding Gasification for PFAS Removal and Destruction

Mohammad Abu-Orf, Hazen (mabuorf@hazenandsawyer.com)

Micah Blate, Hazen and Sawyer

Kamruzzaman Khan, Hazen and Sawyer

Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 203/204 •

WASTEWATER TREATMENT – LIQUIDS PROCESSING

1:00 PM – 1:30 PM

Upcycling an Industrial Byproduct for Phosphorus and Sulfur Sequestration

Jonathan Teaford, Green Steel Environmental

(jteaford@greensteelenvironmental.com)

Mark Hernandez, University of Colorado Boulder

Jon Jonis, Green Steel Environmental

1:30 PM – 2:00 PM

High Energy Savings in Wastewater Treatment With Low DO Resulting in Simultaneous Nitrification & Denitrification

Eric Li, BDP Envirotech LLC (ericli@bdpenvirotech.com)

2:00 PM – 2:30 PM

CFD Modeling Streamlines Scale Physical

Modeling of Pump Intake Hydraulics

Edward Wicklein, Carollo Engineers, Inc. (ewicklein@carollo.com)

Rouben Derminassian, DC Water

Danny Murphy, Carollo Engineers, Inc.

3:30 PM – 4:00 PM

Low-Cost Strategies to Reduce Nitrous Oxide Emissions, a Potent Greenhouse Gas

Jay Surti, GHD, Inc. (jay.surti@ghd.com)

Jeremy Kraemer, GHD, Inc.

4:00 PM – 4:30 PM

Development of Design Criteria for Partial Denitrification

Anammox (PdNA) Systems for Sustainable Nitrogen Removal

Christine deBarbadillo, Black & Veatch (debarbadilloc@bv.com)

Ahmed Al-Omari, Brown & Caldwell

4:30 PM – 5:00 PM

How Back River WWTP Was Brought Back, an Insider's Perspective

Bill Farrell, Professional Starup & Operating Services, Inc.

(bfarrell@prostart-inc.com)

Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 207/208 • WATER STORAGE TANKS & RESERVOIRS

8:30 AM – 9:00 AM

Tanks, Pipes, Panthers, and Progress:

Navigating Construction Challenges in Infrastructure Development

Nicholas D'Angelo, RK&K (ndangelo@rkk.com)

Elford Jackson, RK&K

9:00 AM – 9:30 AM

Benefits of Water Storage Tank Maintenance: Extended Service Life,
Lowest Life-Cycle Costs & Most Sustainable Approach

Toby Butler, Viking Industrial Painting (toby@viptanks.com)

Randy Moore, Exeter Supply Co. Inc.

9:30 AM – 10:00 AM

Water Tank Coatings Failures –

A Deep Dive Into the Causes and Effects of Poor Painting

Bernie Wigginton, GFT (bwigginton@gfnet.com)

ROOM 207/208 • WATER TREATMENT

1:00 PM – 1:30 PM

CFD Modeling at the City of Baltimore's

Oldest WFPs to Aid in Informed Decision Making

Hana Litwin, Hazen and Sawyer (hlitwin@hazenandsawyer.com)

Jeremy Hise, Hazen and Sawyer

1:30 PM – 2:00 PM

Transforming Water Treatment:

Innovative Solutions for Emerging Contaminants

Vanessa Nedrick, Remington & Vernick Engineers

(vanessa.nedrick@rve.com)

Kalina Hogan, Remington & Vernick Engineers

2:00 PM – 2:30 PM

Disinfection By-Product (DBP) Control Strategies for Challenging

Operational Conditions in the Town of Ocean City, MD

Allyson Merola, Whitman, Requardt & Associates, LLP

(amerola@wrallp.com)

Jeff Thompson, Whitman, Requardt and Associates, LLP

Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 207/208 • WATER TREATMENT (CONTINUED)

3:30 PM – 4:00 PM

Under Pressure: Efficiently Executing Your

PFAS Pilot Program on Surface Water Treatment Plants

Joe Nattress, CDM Smith (nattressjm@cdmsmith.com)

Amalia Terracciano, CDM Smith

4:00 PM – 4:30 PM

Operations and Water Quality Dashboarding and

Assessing Facility Cost Share in a Complex System

Reid Cagir, Hazen and Sawyer (rcagir@hazenandsawyer.com)

Rob Harvey, Hazen and Sawyer

4:30 PM – 5:00 PM

How Good Are You at Multitasking? Operating to Exceed

Finished Water Standards while Optimizing Residuals Production

Gerardo Castaneda, HDR, Inc. (gerardo.castaneda@hdrinc.com)

Mike Nicholson

ROOM 215 • UTILITY MANAGEMENT

8:30 AM – 9:00 AM

Sharing Your Water Story on Capitol Hill – Yes, YPs Too!

Peter Garvey, Dewberry Engineers Inc. (pgarvey@dewberry.com)

ROOM 215 • ETHICS

9:00 AM – 10:00 AM

Project Managers and Contractors – Working Together Ethically

Angelique Dorsey White, WSSC Water

(angelique.dorseywhite@wsscwater.com)



Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 215 • UTILITY MANAGEMENT

1:00 PM – 1:30 PM

The Road to Affordability: Using Data and Metrics for Sound Approaches

Kishia Powell, WSSC Water (kishia.powell@wsscwater.com)

Kelly Caplan, WSSC Water

1:30 PM – 2:00 PM

Water Modeling for the Future – The Only Constant Is Change

Mathew Roder, Arcadis (mathew.roder@arcadis.com)

Aman Tuteja, Arcadis

2:00 PM – 2:30 PM

Evaluation of How to Get System Reliability, Enhanced Water Quality and Adequate Pressure in the City's First & Second Zone

Sophia Liskovich, GFT (sliskovich@gfnet.com)

3:30 PM – 4:00 PM

WSSC Water's Strategic Plan Drives

Realignment of Asset Management Program

Frederick King, WSSC Water (frederick.king@wsscwater.com)

Jennifer Suttles, Carollo Engineers

Aditya Ramamurthy, Kennedy Jenks

4:00 PM – 4:30 PM

Baltimore City Hydraulic Model Expansion and Charting a Course for 2050

Alexis Lipovich, Hazen and Sawyer (alipovich@hazenandsawyer.com)

Jeremy Hise, Hazen and Sawyer

4:30 PM – 5:00 PM

Buck the Traditional and Jump into the Cloud

Kevin Stock, STREAMETRIC (kevin.stock@streametric.io)



Technical Program Schedule

Wednesday, August 27, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 217 • WASTEWATER PUMP STATIONS & COLLECTION SYSTEMS

8:30 AM – 9:00 AM

A Sewer Model for the Future!

Mathew Roder, Arcadis (mathew.roder@arcadis.com)

Christopher Adams, Arcadis

9:00 AM – 9:30 AM

All Aboard: Fast-Track Design of Sewer Relocations
for a Railroad Track Expansion Project

Christopher Mata, CDM Smith (matacd@cdmsmith.com)

Nick Tenorio, CDM Smith

9:30 AM – 10:00 AM

Forced Maintenance: A Case Study on Wastewater Force Main Inspection

Patricia Dubyoski, GHD (patricia.dubyoski@ghd.com)

John Cannon, GHD

1:00 PM – 1:30 PM

The Rehabilitation of DC Water's Northwest Boundary Trunk Sewer

Anna Pridmore, Structural Technologies (apridmore@structuraltec.com)

1:30 PM – 2:00 PM

Pollutant H&H Model Prioritizes Improvements & Cost Savings

Mark Delisio, Verdantas (mdelisio@verdantas.com)

2:00 PM – 2:30 PM

WORLD RECORD HDD under the Deepest Water Harbor on the East Coast

Mark Peters, Garney Construction (mpeters@garney.com)

3:30 PM – 4:00 PM

From Trunk Lines to All-Pipe Models:

Advancing Sewer System Analysis at WSSC Water

Pradeep Reddy Sudini, CDM Smith (sudinipr@cdmsmith.com)

Matthias Wittenberg, CDM Smith

4:00 PM – 4:30 PM

SC941 – Commissioning of a Large Diameter Pressure Sewer Relief System

Eric Dymond, Hazen and Sawyer (edymond@hazenandsawyer.com)

4:30 PM – 5:00 PM

DC Water's MH31 Replacement Project:

A Case Study of DBIA Best Practices

William Elledge, DC Water (william.elledge.pe@gmail.com)

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 201 • ASSET MANAGEMENT (HORIZONTAL)

8:30 AM – 9:00 AM

Evolution of the Water Capital Improvement
Plan Strategy within Detroit Water and Sewerage Dept.
Jim O'Dowd, AECOM (jimodowd@yahoo.com)
Brian Dara, Detroit Water & Sewerage Dept.

9:00 AM – 9:30 AM

Crawl, Walk, Run – Building Your Asset Management Program
Alison Barton, EA Engineering (abarton@eaest.com)

9:30 AM – 10:00 AM

Implementation of Life Extension for Aging Infrastructure
Erin Nelson, Corrpro Companies Inc. (enelson@azuria.com)
Ed Richey

11:00 AM – 11:30 AM

Risky Business: Prioritizing System-Wide
Water Main Renewal with Data-Driven Precision
Nicholas D'Angelo, RK&K (ndangelo@rkk.com)
Maribel Moore, Anne Arundel Co.

11:30 AM – 12:00 PM

Resilience and Innovation: Inspecting & Assessing the Anacostia
Force Main to Safeguard DC's Critical Wastewater Infrastructure
Chandra Vavilala, DC Water (chandra.vavilala@dcwater.com)
Jessica Shaio, DC Water

12:00 PM – 12:30 PM

Emergency Response for 30-Inch PCCP at Anacostia Drive:
Leveraging Pipeline Assessment Technology for DC Water
Ali Alavi, Stantec (ali.alavi@stantec.com)
Tamrat Bedane, DC Water
Churchill Okonkwo, DC Water

ROOM 201 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

2:00 PM – 2:30 PM

Climate Resilience Assessment at the Back River WWTP:
A Collaborative Approach using Design-Based Education
Christopher Overcash, John Hopkins University (coverca1@jhu.edu)
Paul Sayan, Baltimore City
Hedy Alavi, Johns Hopkins University

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 201 • ASSET MANAGEMENT (HORIZONTAL)

2:30 PM – 3:00 PM

Patuxent Reservoirs Watershed Protection using GIS

Manoharan Chelladurai, WSSC Water

(manoharan.chelladurai@wsscwater.com)

John Schlee, WSSC Water

ROOM 201 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

3:00 PM – 3:30 PM

Collaborative Water Supply Modeling to

Support Loudoun Water Planning and Operations

Abby Bollinger, Hazen and Sawyer (abollinger@hazenandsawyer.com)

Christina Davis, Loudoun Water

Bradley Schmitz, Loudoun Water

ROOM 201 • WASTEWATER TREATMENT – LIQUIDS PROCESSING

4:00 PM – 4:30 PM

Secondary Treatment Intensification: MOB Process Trial to Enhance

Capacity & Improve Sludge Settleability at Midwest WWTP

Erik Anderson, Nuvoda (erikanderson@nuvodaus.com)

ROOM 201 • WATER STORAGE TANKS AND RESERVOIRS

4:30 PM – 5:00 PM

Got a Need for Speed? Using (Ultra)Sonic

Technology to Mitigate Algal Blooms Now

Rachel Dermer, Carollo Engineers (rdermer@carollo.com)

Andrew Freitas, Carollo Engineers

ROOM 201 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

5:00 PM – 5:30 PM

Community Engineering Corps – Supporting Sustainable Community-

Driven Water & Wastewater Infrastructure Solutions Through Equity

Heather Mullen, American Water Works Association (hmullen@awwa.org)

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 202 • SYSTEM OPERATIONS/MAINTENANCE

8:30 AM – 9:00 AM

Transformation of Crownsville's Water & Sewerage Systems from Historic State Institution to a Reimagined Premiere Multiuse Park

Joe Burns, RK&K (jburns@rkk.com)

Christopher Biggerstaff, Anne Arrundel Co.

Joe Burns, RK&K

9:00 AM – 9:30 AM

From Workshops to Results:

Effective Collaboration in Control System Upgrades

Seth Rang, KCI Technologies, Inc. (seth.rang@kci.com)

Sunil Dewan, Anne Arrundel Co.

9:30 AM – 10:00 AM

Innovative Turbidity Monitoring: How the Swan AMI Turbiwell Eliminates the Need for Recalibration

Garrett Figley, Swan Analytical USA, Inc.

(garrett.figley@swan-analytical-usa.com)

Shaun Sharrett, Swan Analytical USA, Inc.

11:00 AM – 11:30 AM

Cybersecurity 101 for Water Engineers

Gabriel Agboruche, Jacobs (gabriel.agboruche@jacobs.com)

11:30 AM – 12:00 PM

Holistic Process Optimization of Water Resource

Recovery Facilities using Reinforcement Learning

Henry Croll, HDR, Inc. (henry.croll@hdrinc.com)

Kaoru Ikuma

12:00 PM – 12:30 PM

Digital Twin of Warehouse Operations

Manoharan Chelladurai, WSSC Water

(manoharan.chelladurai@wsscwater.com)

Neeraj Masson, WSSC Water

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 202 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

2:00 PM – 2:30 PM

Regional Cooperation and Coordination for Water Resource Planning
for Metropolitan Washington Drinking Water Sources Supply

Joel Caudill, WSSC Water (joel.caudill@wsscwater.com)

2:30 PM – 3:00 PM

Baltimore's Comprehensive Watershed Management Plan:
A Template for Regional Source Water Protection

Phoebe Aron, Hazen and Sawyer (paron@hazenandsawyer.com)

Josh Weiss, Hazen and Sawyer

3:00 PM – 3:30 PM

Advancing Master Planning Techniques:

Demand Forecasting for Comprehensive Infrastructure Planning

Emily Keller, Carollo Engineers (ekeller@carollo.com)

Darrin Geldert, Loudoun Water

ROOM 202 • SYSTEM OPERATIONS/MAINTENANCE

4:00 PM – 4:30 PM

Without the Labs You Are Only Guessing: Why Lab Data
Is Also Front Line in Operations for the Dept. of Public Works

Sadi Thomas, City of Baltimore (sadikia.thomas@baltimorecity.gov)

Deneen Gordon, City of Baltimore

ROOM 202 • STORMWATER

4:30 PM – 5:00 PM

Using CMAC Technology to Meet Chesapeake Bay
TMDL Goals in Montgomery County, MD

Jason Murnock, OptiRTC, Inc. (jmurnock@optirtc.com)

Amy Stevens, Montgomery County

5:00 PM – 5:30 PM

Creating a Stormwater Authority – Everything You Need to Know

Vanessa Nedrick, Remington & Vernick Engineers

(vanessa.nedrick@rve.com)

Daulton George, Warminster Township Municipal Authority

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 203/204 • WASTEWATER TREATMENT – LIQUIDS PROCESSING

8:30 AM – 9:00 AM

Design and Construction to Incorporate
a New 360 MGD Headworks At ALCOSAN WWTP

Robert McLean, Whitman, Requardt and Associates, LLP
(rmclean@wrallp.com)

9:00 AM – 9:30 AM

Innovative Water Resource Recovery:
Cutting-Edge Practices at WSSC Water

Caroline Nguyen, WSSC Water (caroline.nguyen@wsscwater.com)
Malcolm Taylor, WSSC Water

9:30 AM – 10:00 AM

Innovative Solution to Meet ENR Limits in the
Chesapeake Bay Watershed in a Severely Underloaded Plant
Rob Kershner, Innovatreat, Inc. (r.kershner@innovatreat.com)
Jeff Danner, Innovatreat, Inc.

ROOM 203/204 • WASTEWATER TREATMENT – BIOSOLIDS & RESIDUALS

11:00 AM – 11:30 AM

Underground Utility Locating and Potential Benefits Inside the Fence
Chris Endryas, RK&K (cendryas@rkk.com)
Maribel Moore, Anne Arrundel Co.
Kelly Duffy, RK&K

11:30 AM – 12:00 PM

Construction Update from Back River WWTP:
Egg-Shaped Digester Rehabilitation
Maia Tatinclaux, RK&K (mtatinclaux@rkk.com)

12:00 PM – 12:30 PM

Out with the Old, In with the New:
Centrifuge Dewatering at the Mauldin Road WRRF
Lindsay Diaz, GHD (lindsay.diaz@ghd.com)
Thor Young, GHD
Brandon Gott, GHD

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 203/204 • WASTEWATER TREATMENT – LIQUIDS PROCESSING

2:00 PM – 2:30 PM

We Will Grit By! An Increasingly Complex Grit System Rehabilitation

Grace Wang, GFT (gwang@gfnet.com)

Zack Knight, Howard County

2:30 PM – 3:00 PM

Seven Habits of Highly Effective PFAS Source-Trackers

Michelle Young, Carollo Engineers, Inc. (myoung@carollo.com)

Kyle Thompson, Carollo Engineers, Inc.

3:00 PM – 3:30 PM

Enhancing Wastewater Pump Station Rehabilitation
with Advanced Tools & Collaboration

Daniel Jeon, GFT (djeon@gfnet.com)

4:00 PM – 4:30 PM

How Simple Programming Changes Can Lead to Significant
Automation & Optimization of Plant Operations

Nate Hovorka, GHD (nate.hovorka@ghd.com)

Justin Myers, Howard County Govt.

Zack Knight, Howard County Govt.

4:30 PM – 5:00 PM

Keeping it Pumping: Replacing an Influent Pump Station
while Maintaining Plant Operations

Betsy Baldwin, Black & Veatch (baldwinb@bv.com)

Mohamed Madih, Fairfax County

Aaron Rosansky, Clark Construction Group

5:00 PM – 5:30 PM

Nanobubbles: Intensifying Wastewater Treatment & Nutrient Removal
While Mitigating Process Inhibition and Seasonal Upsets

Andrea White, Moleaer, Inc. (andrea@moleaer.com)

John Crisman, Moleaer, Inc.

ROOM 207/208 • WATER TREATMENT

8:30 AM – 9:00 AM

Bench-Scale Assessment of PFAS Removal Options on Surface Water –
A Virginia Story

Joe Nattress, CDM Smith (nattressjm@cdmsmith.com)

Chad Coneway

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 207/208 • WATER TREATMENT (CONTINUED)

9:00 AM – 9:30 AM

Getting the Treatment Right – Pilot Study for an 80 MGD PFAS Surface WTP

Vanessa Nedrick, Remington & Vernick Engineers

(vanessa.nedrick@rve.com)

9:30 AM – 10:00 AM

Design, Construction, and Startup of a 30 MGD PFAS Treatment Facility

Craig Murray, CHA Consulting, Inc. (cmurray@chaconsulting.com)

Gayla Fecher, Veolia Water Inc.

11:00 AM – 11:30 AM

Holistic Approaches to Advanced Water Treatment:

Evaluating PFAS Removal & Auxiliary Benefits in Public Utility Systems

Michael Peterson, Ramboll (mpeterson@ramboll.com)

Priscilla To, WSSC Water

11:30 AM – 12:00 PM

Digital Tools for Advanced PFAS Treatment –

Case Study of a Mid-Sized Water Utility

Reid Cagir, Hazen and Sawyer (rcagir@hazenandsawyer.com)

Jeremy Hise, Hazen and Sawyer

Conner Murray, Hazen and Sawyer

12:00 PM – 12:30 PM

Novel Micro-Sorbent Adsorption/Separation

Alternative to using RO, GAC and IX for PFAS Removal

John Dyson, Aqua-Aerobic Systems, Inc. (jdyson@aqua-aerobic.com)

Terry Reid, Aqua-Aerobic Systems, Inc.

2:00 PM – 2:30 PM

The Harford County Roadmap for Liquid Chromatography/

Tandem Mass Spectrometry PFAS Testing

William Smith, Harford County Government

(wwwsmith@harfordcountymd.gov)

Auther Hannon, Harford County Government

2:30 PM – 3:00 PM

PFAS Treatment for Surface Water: Not Your Average Groundwater

Lori Kappen, GFT (lkappen@gfnet.com)

3:00 PM – 3:30 PM

Development of Flexible GAC/IX PFAS Pilot Skid and Lessons Learned

Gayla Fecher, Veolia Water Inc. (gayla.fecher@veolia.com)

Elizabeth (Lily) Maio, Carollo Engineers, Inc.

Jason Marie, Carollo Engineers, Inc.

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 207/208 • WATER TREATMENT (CONTINUED)

4:00 PM – 4:30 PM

We Deserve the Best – An Introduction to AWWA's New Single Use Ion Exchange Standard & How It Can Be Used for Projects

John Civardi, Carollo Engineers (jcivardi@carollo.com)

Cathy Swanson, Ecolab, Purolite Resins

4:30 PM – 5:00 PM

Resilient Ripples: Upgrading Small Water Systems in Virginia for a Sustainable Future?

Anna Kazasi, Virginia/Maryland American Water (anna.kazasi@amwater.com)

Taylor Valencia, Stantec

John Fidler, VA American Water

5:00 PM – 5:30 PM

Go with the Flow:

Upgrading Phoenixville's Water Intake, One Pipe at a Time

James Bulicki, Remington & Vernick Engineers (james.bulicki@rve.com)

ROOM 215 • UTILITY MANAGEMENT

8:30 AM – 9:00 AM

A Discussion of Resources & Tools Available to Prepare Risk & Resilience Assessments and Emergency Response Plans

Paul Deardorff, JMT (pdeardorff@jmt.com)

Ben Asavakarin, JMT

9:00 AM – 9:30 AM

From Revolution to Renovation:

Revamping Annapolis's Hidden Infrastructure

Jessie Burneston, City of Annapolis (jpburneston@annapolis.gov)

Keith Tyson, GFT

Diane Doyen, City of Annapolis DPW

9:30 AM – 10:00 AM

Preparing Water Workforce to Advance their Skills for Digital and AI

Prabhu Chandrasekeran, Arcadis U.S. Inc. (cprabhushankar@gmail.com)

11:00 AM – 11:30 AM

Managing and Leading a Hybrid Workforce

Kishia Powell, WSSC Water (kishia.powell@wsscwater.com)

Robert Maloney, WSSC Water

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 215 • UTILITY MANAGEMENT (CONTINUED)

11:30 AM – 12:00 PM

Air Quality Monitoring & Testing During
CIPP Installation for Water Mains: A DC Water Case Study
Burak Kaynak, DC Water (burak.kaynak@dcwater.com)

12:00 PM – 12:30 PM

Using Nextdoor for Water Quality Public Notifications: A Case Study
Ameerah Palacios, HDR, Inc. (ameerah.palacios@hdrinc.com)
Shea Saladee, HDR, Inc.
Whitney Henry, HDR, Inc.

2:00 PM – 2:30 PM

Try Before You Buy – Launching a Successful
Employee Mentorship at Your Utility
Simon Scarlett, Virginia/Maryland American Water
(simon.scarlett@amwater.com)

2:30 PM – 3:00 PM

WSSC Water's Strategic Planning plus
145 Team Members and 1,800 Employees
Andres Villarraga, WSSC Water (andres.villarraga@wsscwater.com)

3:00 PM – 3:30 PM

Introduction to MD WARN
(Maryland's Water/Wastewater Agency Response Network)
Jeff Edgin, Howard County Government Bureau of Utilities
(jedgin@howardcountymd.gov)

4:00 PM – 4:30 PM

Buidling a UAS Program to Support
Water & Wastewater Operations at WSSC Water
Anthony Dowell, AECOM (anthony.dowell@aecom.com)
Tyler Thompson, WSSC Water

4:30 PM – 5:00 PM

Smart Program Management –
Digital Solutions Through a Single Source of Truth
Tia Kirby, Ramboll (tkirby@ramboll.com)
Teresa Wong, Ramboll
Matthew Young, CDM Smith

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 215 • UTILITY MANAGEMENT (CONTINUED)

5:00 PM – 5:30 PM

Aligning Organizational and Facility Assessments
to Holistically Plan for the Future

Jonathon Sprague, HDR, Inc. (jonathon.sprague@hdrinc.com)

Colby Harrington, Kent County PW

Yonsei Kim, HDR, Inc.

ROOM 217 • WASTEWATER PUMP STATIONS & COLLECTION SYSTEMS

8:30 AM – 9:00 AM

Taking Innovation and Collaboration to the Next Level –
The Story of the Innovation District Pump Station

Don Miller, GFT (dmiller@gfnet.com)

Kelsie Lovelette, Clark Water

Elik Livay, GFT, Inc.

9:00 AM – 9:30 AM

Reducing Combined Sewer Overflows with Inflatable Dams

Annie Ding, Ramboll (ading@ramboll.com)

Jose Nunez, DC Water

9:30 AM – 10:00 AM

An Innovative Approach to Pump Station
Pipeline Inspections Using Rope Access

Kevin Weeks, PICA Corp (kweeks@picacorp.com)

Justin Burt, HSI Group Inc.

11:00 AM – 11:30 AM

Heroic Efforts in the Potomac River

Eric Lienhard, TYLin/Greeley and Hansen (ejlienhard@gmail.com)

Stephen Soerens, Delve Underground

11:30 AM – 12:00 PM

The Pipeline Puzzle: Investigating the
Performance Issues in the James Run Force Main

Nick Lewis, GFT (nlewis@gfnet.com)

Steve Schulz, Harford County Govt.

12:00 PM – 12:30 PM

Richmond Large Diameter Geopolymer Sewer Rehab 2018 to 2024 –
A Look Back and Current Day

Scott Naiva, GeoTree (Geopolymer) Solutions (scott.naiva@henkel.com)

Paul Longo, Dewberry

Technical Program Schedule

Thursday, August 28, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 217 • WATER PUMP STATIONS & WATER MAINS

2:00 PM – 2:30 PM

Service Line Material Identification Without Excavation:

Results from DC Water's Pilot Study

William Elledge, DC Water (william.elledge.pe@gmail.com)

2:30 PM – 3:00 PM

Threading the Needle: Building Dual 42 Mains

in Becks Run Road to Keep Pittsburgh's Water On

Nick Lewis, GFT (nlewis@gfnet.com)

Morgan Castle, PA American Water

3:00 PM – 3:30 PM

Upgrading the Catonsville Pump Station:

A Comprehensive Approach to Rehabilitation and Sustainability

Tiffany Harrison, GFT (tharrison@gfnet.com)

4:00 PM – 4:30 PM

Get that Pumping Station Out of the Way

Lars Peterson, KCI Technologies (lars.peterson@kci.com)

Jordan Rang, KCI Technologies

Alexandra Goldberg, KCI Technologies

4:30 PM – 5:00 PM

City of Elyria – Transmission Mains Condition Assessment

Edward Carpenetti, Black & Veatch (carpenettiej@bv.com)

Jacqueline Lindgren, Black & Veatch

5:00 PM – 5:30 PM

Collaborative Problem Solving between Owners & Contractor for a

Win-Win Outcome: The Allentown Water Main Replacement Project

Immanuel John Samuel, Garney Construction

(immanueljohnson1@gmail.com)

Tim Allen, WSSC Water

Technical Program Schedule

Friday, August 29, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 201 • WASTEWATER TREATMENT – BIOSOLIDS & RESIDUALS

9:00 AM – 9:30 AM

Biogas/RNG Project Lifecycle – From Study to Clean Energy Production
John Maley, HDR, Inc. (*jrmaleyengineering@gmail.com*)

ROOM 201 • UTILITY MANAGEMENT

9:30 AM – 10:00 AM

How DC Water's Workforce Development Program
Drives their Lead Service Line Replacement Program
Rina Dalal, CDM Smith (*dalalrn@cdmsmith.com*)
Taelorae Levell-Young, CDM Smith

ROOM 201 • ASSET MANAGEMENT (HORIZONTAL)

10:15 AM – 10:45 AM

Utilizing AI to Improve Continuity in Data Coding,
Increase Project Turnaround Time & Reduce Overall Project Costs
Samantha Pierce, SewerAI (*spierce@sewerai.com*)
Antwon Dallas, SewerAI

10:45 AM – 11:15 AM

Will It Work? Piloting New Condition Assessment Technologies –
A Guideline for Utilities
Brian Ball, V&A Consulting Engineers, Inc. (*bball@vaengineering.com*)

11:15 AM – 11:45 AM

Leveraging the Toolbox to Find Significant I/I
Jeffrey Griffiths, RJN Group (*jeff.griffiths@rjnmail.com*)
Christina Camonayan

ROOM 202 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

9:00 AM – 9:30 AM

Considerations for Structural lining of
36" and 54" Reinforced Concrete Sewer Pipes under Livingston Road
Haile Yerdaw, WSSC Water (*haile.yerdaw@wsscwater.com*)
Blen Jimma, WSSC Water

9:30 AM – 10:00 AM

Building Resilience & Adapting to Climate Change
Impacts for Drinking Water & Wastewater Utilities
**Audrey Ramming, Environmental Protection Agency
(*ramming.audrey@epa.gov*)**

Technical Program Schedule

Friday, August 29, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 202 • UTILITY MANAGEMENT

10:15 AM – 10:45 AM

Navigating the Waves of an Advanced Metering
Infrastructure Upgrade in Howard County

Nirav Shah, RK&K (nshah@rkk.com)

Silver Chair, Howard County

Nicholas D'Angelo, RK&K

ROOM 202 • WASTEWATER TREATMENT – LIQUIDS PROCESSING

10:45 AM – 11:15 AM

Aces in the Hole: The Benefits of Plant Operators
on the Design Team for a Major WWTP Process Upgrade

Mark Mazzochette, Hazen and Sawyer

(mmazzochette@hazenandsawyer.com)

Jennifer Jackson, Hazen and Sawyer

ROOM 202 • UTILITY MANAGEMENT

11:15 AM – 11:45 AM

Enhancing Operator Competency: Implementing and
Sustaining Skill-Based Learning Programs in Water Utilities

Tara Jones, WSSC (tara.jones@wsscwater.com)

Jessica Kibec, Anne Arundel County Public Works

ROOM 203/204 • WASTEWATER TREATMENT – LIQUIDS PROCESSING

9:00 AM – 9:30 AM

Data-Driven Insights: Using Performance Metrics to
Drive Operational Efficiency in Wastewater Treatment

Paula Sanjines, Jacobs (paula.sanjines@jacobs.com)

Maribel Moore, Anne Arundel County Public Works

Technical Program Schedule

Friday, August 29, 2025

Speakers' names are in bold italics, and co-speakers' names are in italics.

ROOM 203/204 • WASTEWATER TREATMENT – BIOSOLIDS & RESIDUALS

9:30 AM – 10:00 AM

Developing a Framework for Demonstrating the Viability of Thermal Processing of Biosolids in Anne Arundel County

Thor Young, GHD (thor.young@ghd.com)

George Heiner, Anne Arundel County

Chris Murphy, Anne Arundel County

10:15 AM – 10:45 AM

Strategic Solids Management:

A 20-Year Roadmap for Sustainability and Resource Recovery

Rafael Iboleon, Stantec (rafael.iboleon@stantec.com)

10:45 AM – 11:15 AM

Evaluating the Future of Biosolids Composting: Market Trends, Challenges & Strategic Insights from a Regional Case Study

Patrick Dube, Isle Inc. (patrick.dube@isleutilities.com)

Mahmudul Hasan, City of Baltimore

ROOM 203/204 • WATER TREATMENT

11:15 AM – 11:45 AM

Decision Science Tools: Knowing When to Take the Road Less Traveled

Cory Johnson, HDR, Inc. (cory.johnson@hdrinc.com)

Samantha Black, HDR, Inc.

ROOM 207/208 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

9:00 AM – 9:30 AM

Lessons to Address PFAS and Other

Emerging Contaminants in Source Water

Priscilla To, WSSC Water (priscilla.to@wsscwater.com)

Technical Program Schedule

Friday, August 29, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 207/208 • WATER TREATMENT

9:30 AM – 10:00 AM

Small Communities, Big Water Treatment

Kelsey Kenel, HDR, Inc. (kelsey.kenel@hdrinc.com)

David Sisson, HDR, Inc.

Nadia Shebaro, HDR, Inc.

10:15 AM – 10:45 AM

Comprehensive Bench-Scale Study on Multi-Contaminant Removal:

Addressing PFAS, TOC & Algal Toxins for Enhanced Water Quality

Naomi Souza, Ramboll (naomi.souza@ramboll.com)

Priscilla To, WSSC Water

10:45 AM – 11:15 AM

Solving Forever Chemicals in Under Five Years: Aqua PA's PFAS Program

Jonathan Reuther, Brown and Caldwell (jreuther@brwnclad.com)

Michael Convery, Aqua America

ROOM 207/208 • SYSTEM OPERATIONS/MAINTENANCE

11:15 AM – 11:45 AM

Odor Management at Annapolis WRF:

Responding to Community Concerns with Data-Driven Solutions

Mamatha Hopanna, HDR, Inc. (mamatha.hopanna@hdrinc.com)

Brian Balchunas, HDR, Inc.

ROOM 215 • UTILITY MANAGEMENT

9:00 AM – 9:30 AM

A DC Water EnviroCure® Pilot Study for Air Quality

Monitoring and Testing During CIPP Installation in Downtown D.C.

Burak Kaynak, DC Water (burak.kaynak@dcwater.com)

William Elledge, DC Water

9:30 AM – 10:00 AM

DC Water at Work: Effective Management of Century-Old Collection System

Steve Bian, DC Water (steve.bian@dcwater.com)

Getachew Melsew, DC Water

10:15 AM – 10:45 AM

Howard County's Integrated Strategies for Protecting

Linear Infrastructure in Environmentally Sensitive Areas

Jess Weron, GFT (jweron@gfnet.com)

Technical Program Schedule

Friday, August 29, 2025

Speakers' names are in bold *italics*, and co-speakers' names are in *italics*.

ROOM 215 • UTILITY MANAGEMENT (CONTINUED)

10:45 AM – 11:15 AM

Lessons Learned from the Rehabilitation of a Large Diameter Storm Pipe

Moubin Al-Malla, AECOM (moubin.al-malla@aecom.com)

Erin Bevis-Carver, City of Alexandria

11:15 AM – 11:45 AM

The Bigger Picture: How Utilities Can Technology and Innovation Landscape Insights to Meet Day-to-Day Challenges

Patrick Dube, Isle Inc. (patrick.dube@isleutilities.com)

ROOM 217 • WASTEWATER TREATMENT – BIOSOLIDS & RESIDUALS

9:00 AM – 9:30 AM

Once Upon a Pelletizer: The Holistic Tale of Optimizing a Contract-operated Biosolids Drying Facility

Betsy Baldwin, Black & Veatch (baldwinb@bv.com)

Nancy Hausrath, City of Hagerstown

Tyler Puffenberger, City of Hagerstown

9:30:00 AM – 10:00 AM

Combining Thermal Hydrolysis with Advanced Thermal Conversion Processes for Micro-contaminant Destruction

Bill Barber, Cambi, Inc. (bill.barber@cambi.com)

ROOM 217 • UTILITY MANAGEMENT (SUSTAINABILITY/RESILIENCY)

10:15 AM – 10:45 AM

Integrating WARN in RRAs & ERPs

Karen Edwards-Lindsey, U.S. EPA (edwards-lindsey.karen@epa.gov)

Charlene Kormondy, U.S. EPA

ROOM 217 • WASTEWATER TREATMENT – BIOSOLIDS & RESIDUALS

10:45 AM – 11:15 AM

Direct Comparison Between Thermal Hydrolysis & Thermophilic Digestion as Alternatives for Class A Biosolids Management

Bill Barber, Cambi, Inc. (bill.barber@cambi.com)

11:15 AM – 11:45 AM

Biosolids Management Planning – Evaluating Technologies for the Long Term

Jody Barksdale, Carollo Engineers, Inc. (jbarksdale@carollo.com)

Exhibitors

Company Name	Booth No.
120Water	236
AERZEN.....	175
A&E Associates.....	129
A.C.Schultes, Inc.....	112
AB Consultants Inc.	204
Abel Recon.....	103
ADS LLC	21
ALS Group USA Corp.....	79
AMERICAN.....	12
American Contracting & Environmental Services, Inc. (Ace).....	88
AMES, Inc.....	117, 118
Anchor Construction.....	222
Anne Arundel County Public Works	15
Aqua Aerobic Systems.....	119
Aquasmart	97
ARRO Consulting, Inc.	95
Atlantic Machinery, Inc.....	30
Avanti International	211
Azuria – Corpro Companies and Underground Solutions Inc., Insituform.....	215–217
Badger Meter	78
Barton & Loguidice.....	26
BDP Industries, Inc.....	61
Bingham & Taylor Corp.	45
Birchtech.....	75
Blooming Glen Contractors.....	42
Boerger LLC.....	194
Bowen Engineering	66
Buchart Horn.....	168
Carter Machinery Company.....	4
CB&I Storage Tank Solutions LLC.....	113
Charles Morrow and Associates	31, 32
Check Point Software Technologies	1
ChemScan/Anua/Parkson/Amiad	140–141
Chesapeake Environmental Equipment	180
CJGeo Contractors.....	76
Cla-Val Co.....	196
Clow Valve inc.....	16
Core and Main	246, 247
CoStream	152
Coyne Chemical Environmental Services.....	125, 126
Cross Company.....	170
CSA Group.....	104
CUES, Inc.....	57
Curtis Power Solutions.....	102
D&M Coatings	229
Davis, Bowen & Friedel, Inc.....	74
Delon Hampton & Associates, Chartered.....	167
Demco Inc.....	71
Denali Water Solutions, LLC.....	7
Dennis Sales & Service, Inc.	17
DeNora.....	181

Exhibit Hall Layout



Exhibit Hall Hours

Tuesday, August 26

Exhibitor Move-In

8:00 AM – 6:30 PM

Wednesday, August 27

7:30 AM – 5:00 PM

Thursday, August 28

7:30 AM – 12:30 PM

Thursday, August 28

Exhibitor Move-Out

12:30 PM – 4:00 PM

Exhibitors (continued)

Company Name	Booth No.	Company Name	Booth No.	Company Name	Booth No.
Design Plastic Systems	131	Earthborne	228	Ferguson Waterworks	34, 35
DeZURIK	174	Eastcom Associates	73	FER-PAL Construction USA	24
Dixon Engineering, Inc.	154	Eastern Controls, Inc.	135	FieldForce	46
DLVEWS, Inc.	47	EBA Engineering	114	Fisher Tank Company	214
DN Tanks	108	EBARA HG	191	Flottweg Separation Technology	89
Dorsett Controls	129	ECS	192	Flow Assessment Services, LLC	86
Ductile Iron Pipe Research Association	56	EDI	188	Fluid Solutions, Inc., PSI	155, 157
Duke's Root Control, Inc.	22	Elcometer Inc.	205	FLYGT	191
Duperon Corporation	63	Envirep.	92, 119	Fortiline Waterworks	80
Dutchland Inc.	179	Environmental Solutions - CBR, Inc.	85	Franklin Miller	186
Dynatomic	132	Eurofins	169	Freemire & Associates	137
EA Engineering, Science, and Technology, Inc., PBC	145	Exeter Supply Co Inc.	111	Freya Systems	96

Exhibitors (continued)

Company Name	Booth No.	Company Name	Booth No.	Company Name	Booth No.
Gardner O'Connor.....	109	Maryland Chemical Company, Inc.....	67	Riordan Materials.....	185
Garney Construction.....	143	Maryland Industrial Trucks Inc.....	E2, 226	RKI Instruments, Inc.....	221
Geiger Pump & Equipment Co.....	146, 162-165	Maryland Rural Water Association.....	3	Rockacy and Associates, Inc.....	207
George, Miles & Buhr, LLC.....	72	Master Leak Technologies.....	10	RootX.....	51
GeoTree Solutions.....	250	Master Meter.....	33	SAK Construction LLC.....	14
Golden Harvest.....	186	McWane Plant & Industrial.....	219	SCIEX.....	151
Green Steel Environmental.....	235	Mersino.....	227, E5	Sensus.....	39, 40
Hach.....	240	Michael Baker International.....	77	Sentinel Water Solutions.....	48
Hartco Environmental.....	148	Mid Atlantic Storage Systems.....	62	SewerAI.....	237
HASCO Sales, Inc.....	172	Miller Energy, Inc.....	83	SewperCoat by Imerys.....	200, 201
Hawkins.....	147	Milwaukee Tool.....	224	Shat-R-Shield Lighting.....	223
Herbert, Rowland & Grubic, Inc.....	18	Mobile Dredging & Video Pipe.....	64	Sherwood-Logan and Associates.....	173, 190
Heyward, Inc.....	120-124	Molear.....	105	SmartCover Systems.....	97
Hidrostral.....	90	Motor Technology Inc.....	44	Smith-Blair, a Xylem brand.....	52
Hill's Industrial.....	213	Mueller.....	36	Smith-Midland Corporation.....	23
HOBAS Pipe USA.....	59	Muller, Inc.....	5	Southern Design.....	136
Hubbell Utility Solutions.....	94	Mumford-Bjorkman Assoc.....	208	Spartan Hydrants.....	251
HUBER.....	178	NASSCO, Inc.....	209	Spiniello Companies.....	99
Hungerford & Terry, Inc.....	115	National Gunite.....	199	STH Inc.....	93
Hydra-Stop.....	41	National Metering Services, Inc.....	239	Sulzer.....	182
HydroCorp.....	107	Neal Systems (formerly Magyar).....	127	Swan Analytical USA, Inc.....	65
IDEXX Laboratories, Inc.....	241	Neo Water Treatment.....	2	Sydnor Hydro, Inc.....	110
IMACS Controls.....	19, 20	Nexum.....	188	Synagro Technologies, Inc.....	58
inCTRL Solutions.....	28	NORAIR Engineering Corp.....	106	SZ PM Consultants, Inc.....	248
Induron Protective Coatings.....	197	NordTube North America.....	183	Tank Industry Consultants.....	116
InfoSense, Inc.....	25	North East Technical Sales, Inc.....	161	The Gorman-Rupp Company.....	92
Infrastructure Solutions Group.....	225, E4	Northwest Pipe Co.....	98	The Sherwin Williams Co.....	189
Innovatreat/SPX Flow/Calgon Carbon/AWI.....	159-160	Oldcastle Infrastructure.....	149	THERMAL Process Systems.....	192
Inovair.....	187	Orenco Water.....	139	TIPCO Technologies.....	198
Intercoastal Trading Inc.....	166	OVIVO.....	174	Titan Industrial Services, Inc.....	218
Ironclad Environmental Solutions.....	130	PaveDrain.....	184	TLC.....	92, 119
ITAC Water Technologies Filter Magic.....	210	PC Construction Company.....	87	Tnemec.....	69
ITpipes.....	234	Penn Valley Pump Co.....	178	Trumbull mfg.....	245
Jacobs Engineering Group.....	249	Performance Pipelining Inc.....	153	Ulliman Schutte.....	81
Jet Blast Inc.....	38	Pipe Tools Inc.....	202, 203	Uni-Bell PVC Pipe Association.....	206
Jobe Industrial Control & Measurement.....	13	PipeTech Software.....	230	United Rentals - Fluid Solutions.....	134
JW Environmental, LLC.....	11	Pleasants Construction.....	27	USG Water Solutions.....	171
Kappe Associates, Inc.....	60	Polly Processing Co.....	193	Valve Tech Sales.....	37
KCI Technologies.....	128	Preload, LLC.....	138	Veolia.....	89, 176
Kemira Water Solutions Inc.....	142	Premier.....	53	Verdantas.....	253
Kennedy Valve.....	100	Process Wastewater Technologies, Inc. (PW Tech).....	91	Victaulic.....	29
Kokosing Industrial, Inc.....	82	Professional Startup & Operating Services, Inc.....	133	Viking Industrial Painting - Minoan Industrial LLC.....	238
Koster American Corporation.....	231	Purafil.....	90	VTScada by Trihedral Engineering.....	84
Lakeside.....	177	Pureflow Filtration.....	54, 55	Water Works Metrology LLC.....	43
Landmark Structures.....	244	Pyrz Water Co. (formerly Kershner)/		Watson Marlow.....	195
LB Water.....	39, 40	Keystone Engineering.....	158	Webhawkx, LLC.....	50
LG Sonic US.....	233	Quorum.....	49	Wilkins.....	252
Liberty Coating Co.....	6	RedZone.....	185	WSSC Water.....	8
Liberty Pumps.....	232	Remington & Vernick Engineers.....	144	Xylem Dewatering (Flygt/Godwin).....	187, 220
M. E. Simpson.....	70	REXA.....	195	Xypex.....	212
Maryland Biochemical Company.....	101	Rig-A-Lite.....	9	Zenner USA.....	242, 243

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Director (2023–2026)	Andy Cooper
Chair Elect, Tri-Con Program	Benjamin Thompson
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Asst. Secretary/Treasurer, By-Laws Chair	Abbie Smith
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Asset Management Vice Chair	Vennila Durai
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Mid-Atlantic Utility Conference	Art Shapiro
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Operator Competitions	Bob Johns
Philanthropy; Spring Meeting	Carrie Kruger

Board Members & Committee Chairs

CSAWWA 2024-2025 Officers & Committee Chairs *(Continued)*

Scholarship Fund Board Chair	Jeremy Hise
Scholarship Fund Board; Tri-Con Committee Voting Member	Sophia Liskovich
Short Courses Committee	Dinesh Bahadurshingh
Short Courses Committee	Billy Dove
Short Courses Committee	Rob Nally
Short Courses Committee; Small Systems Liaison	Jay Price
Short Courses Committee	Dave Wilkins
Small Systems Liaison	John Walker
Source Water Protection	Phoebe Aron
Top Ops	Anthony Rocco
Tri-Con Committee Voting Member	Raj Arora
Tri-Con Committee Voting Member	Erica Whorley
UMD Student Chapter	Rebecca Patterson
UMD Student Chapter	John Wesley Wiggins
Water Distribution	Jason Poole
Water Distribution Vice Chair	Phillip Callahan
Water Quality	Nicolle Boulay
Water ReUse (Joint with CWEA)	Kelly Landry
Water Taste Test	Christina Swann
YPs and Students	Jason Lee
YPs and Students Vice Chair	Jordan Ruble

Board Members & Committee Chairs

CWEA 2024–2025 Officers & Committee Chairs

President.....	Gary Moore
President-Elect	Alana Gildner
Vice-President.....	Jegnaw Essatu
Past-President.....	Clarence Beverhoudt
WEF Delegate	Ellen Frketic
WEF Delegate	Laura Oakes
Trustee – Maryland	David Wildasin
Trustee – DC.....	Jessica Shiao
Trustee – Delaware.....	Chaka Kamran
Treasurer.....	Danielle Sheahan
Secretary	Kraig Moodie
CTA Representative.....	Gian Cossa
Utility Member Representative.....	Yvette Judge
Audit Chair.....	Kraig Moodie
Awards Co-Chair.....	Alana Gildner
Awards Co-Chair.....	Jegnaw Essatu
Awards Vice-Chair.....	Eric Held
Budget & Finance Chair.....	Ellen Frketic
Budget & Finance Vice-Chair	Laura Jo Oakes
Business Practices Chair	Gary Moore
Bylaws Chair	Alan Will
Leadership Retreat Chair.....	Jegnaw Essatu
Nominations Chair.....	Alana Gildner
Nominations Vice-Chair	Jegnaw Essatu
Publications Chair	Chaka Kamran
Publications Vice-Chair.....	Islam Khallaf
Sponsorship Chair.....	Andrew Kreider
Strategic Planning & Implementation Chair	Yvette Judge
DEI Committee Vice-Chair.....	Monty Simon
Membership Chair	Laura Oakes
Membership Vice-Chair.....	Gregg Iskra
Public Communications & Outreach Chair.....	Emma Danz
Public Communications & Outreach Chair Vice-Chair.....	Brandon Friedland
Student Activities Liaison	Agam Singh
Student Chapter Liaison	Chike Monwuba
Student Activities Co-Chair – Student Design Competition	Megan Livak

Board Members & Committee Chairs

CWEA 2024-2025

Officers & Committee Chairs *(Continued)*

Student Activities Co-Chair – Student Career Fair.....	Alexis Wingfield
Young Professionals Co-Chair.....	Carlos Mejia
Young Professionals Co-Chair.....	Stephen Greiling
Young Professionals Vice-Chair.....	Travis Gold
Asset Management Chair.....	Dennis Lopez
Asset Management Vice-Chair.....	David Gisborn
Collection Systems Chair.....	Charles Poskas
Collection Systems Vice-Chair.....	George Pearson
Government Affairs/Fly-In Co-Chair.....	Elizabeth Colletti
Government Affairs/Fly-In Vice-Chair.....	Justin Hall
Laboratory Practices Chair.....	Tralonda Kelly-Redondo
Laboratory Practices Vice-Chair.....	Keith Drummond
Plant Operations & Maintenance and Safety Co-Chair.....	Tyrus Hunter
Residuals & Biosolids Management Chair.....	Hahns Hairston
Residuals & Biosolids Management Vice-Chair.....	Mark Ramirez
Spring Meeting Co-Chair.....	Chrissie Swann
Spring Meeting Co-Chair.....	Bethel Abate
Spring Meeting Vice-Chair.....	Charles Poskas
Stormwater Co-Chair.....	Justin Bell
Stormwater Co-Chair.....	Beth Forbes
Technical Education Chair.....	Matt Zelin
Technical Education Vice-Chair.....	Chike Monwuba
Water Reuse Chair.....	Andrew Kreider
CWEA Short Course Committee.....	Clark Howells, Bill Farrell, Noelle Anuskiewicz, John Luu, Scott Harmon
CWEA Tri-Association Conference Committee Reps.....	Gian Cossa, Clarence Beverhoudt, Pono Hanson, Jegnaw Essatu
MDE W/WW Board Liaison.....	Clark Howells
YH2O/Mentorship Co-Chair.....	Moalie Jose
YH2O/Mentorship Co-Chair.....	Dennis Hasson
YH2O/Mentorship Vice-Chair.....	Kraig Moodie
Training, Review, & Evaluation Chair.....	Clark Howells
Utility Management Conference Chair.....	Gian Cossa

Board Members & Committee Chairs

WWOA 2024-2025 Officers & Committee Chairs

President	Bill Shreve, Sr.
President Elect.....	Paul Hignutt
Past President	Bob Johns
Secretary	Kristy McAndrew
Treasurer.....	Mike Emery
Eastern Shore Director	Jake Bryan
Central Section Director.....	Winfield McKell
Southern Section Director	George Bacon
Western Section Director	Bruce Darner
Awards	Kevin Quinn
By-Laws	Bill Shreve, Sr.
Board of Certification Liaison, Delaware.....	Sarah Smith
Board of Certification Liaison, Maryland.....	Bruce Darner
<i>ECOletter</i>	Floyd Johnson
Membership.....	Scott Getchell
Nominations.....	Paul Hignutt
Public Education.....	Sharita Lyle
Public Relations.....	Winfield McKell
Short Course.....	Licette Santiago Villafane
Training.....	Kevin Quinn
TRE Committee Representative.....	Bill Shreve, Sr.
Tri-Conference.....	Mike Emery
Chesapeake Tri Association	Karl Ott
Website Job Bank.....	Anthony Rocco

Board Members & Committee Chairs

CSAWWA 2025–2026 Slate of Officers

Chair.....	Ben Thompson, WSSC Water
Past Chair.....	Anna Kazasi, Virginia American Water
Chair-Elect.....	Annie Ding, Ramboll
Secretary-Treasurer.....	Abbie Smith, EA Engineering, Science and Technology
Assistant Secretary Treasurer*	Jay Price, Hazen and Sawyer
Director (2023–2026).....	Andy Cooper, Whitman, Requardt & Associates
Director (2025–2028)*	Elford Jackson, RK&K
Trustee	James LeMire, American Pipe
Trustee*	Chris Phipps, HDR, Inc.
Trustee	Robert Swann, Anne Arundel County
Trustee*	Erica Whorley, Brown and Caldwell

**Nominated*

CWEA 2025–2026 Slate of Officers

Vice-President.....	Islam Khallaf
Treasurer.....	Yvette Judge
WEF Delegate	Laura Oakes
DC Trustee	Carlos Mejia

(Election results will be posted in late August.)

WWOA 2025–2026 Slate of Officers

President	Paul Hignutt, City of Rehoboth
President Elect	Tara Jones, WSSC Water
Past President	Bill Shreve, Sr., KCI and MCET
Secretary	Kristy McAndrew, Charles County, MD
Treasurer	Mike Emery, Retired DC Water

Hotel Information

2025 Conference Hotels

The Conference Committee has negotiated blocks of rooms at Ocean City hotels for the 2025 Tri-Association Conference.

*Rates do not include taxes.

Aloft (Co-Host Hotel)

4501 Coastal Hwy (45th Street)

Miles to Convention Center: .5

\$275 – \$315 (Std King/Double Queens/Double Queens – Bayview/ Double Queens – Bayview w/Pullout) *min 2 night stay
PLUS \$20/night per vehicle parking fee

Call 888-236-2427 and request the special Tri-Association Conference 2025 group rate. (Cutoff Date – 08/11/25)

www.marriott.com/en-us/hotels/sbyal-aloft-ocean-city/overview

Grand Hotel (Co-Host Hotel)

2100 Baltimore Ave. (21st Street)

Miles to Convention Center: 2.5

\$170 – \$238 (City View/Partial Ocean View/Direct Ocean Front)

*Complimentary Parking

Call 410-289-6191 and request the special Tri-Association Conference rate. (Cutoff Date – 08/06/24)

Ashore Resort & Beach Club

10100 Coastal Hwy (101st Street)

Miles to Convention Center: 3.9

\$225 (Standard Oceanfront – 2 Queens) PLUS \$35 daily resort fee

Call 410-524-3535 and request the special Chesapeake Tri- Association Conference rate. (Cutoff Date – 08/05/25)

<https://res.windsurfercrs.com/ibe/details.aspx?propertyid=17056&nights=3&checkin=8/26/2025&group=CTAC2713&lang=en-us>

Best Western OC Hotel & Suites

5501 Coastal Hwy (56th Street)

Miles to Convention Center: 1

\$129 (Standard 2 Queens) *min 2 night stay

**One Complimentary Parking spot per room

Call 443-664-4001 and request the special Tri-Con Convention rate.

Hotel Information

Best Western Plus

6007 Coastal Hwy (60th Street)

Miles to Convention Center: 1.4

\$109 (Standard 2 Queens) *min 2 night stay

**One Complimentary Parking spot per room

Call 410-524-6100 and request the special Tri- Con Convention rate.

Carousel Oceanfront

11700 Coastal Highway (118th Street)

Miles to Convention Center: 4

\$155 – \$295 (Standard View – 2 Queens/Western View (City) –

2 Queens and sleep sofa/Oceanfront 2 Queens and sleep sofa)

*min 2 night stay

PLUS \$9.95 nightly resort fee

Call 800-641-0011 and request the special Chesapeake Tri-Con rate.

(Cutoff Date – 08/05/25)

www.skywaresystems.net/SkyBook?PropertyRowID=364&HotelID=1&Code=1281022C1561986

Castle in the Sand

3701 Atlantic Ave. (37th Street)

Miles to Convention Center: .5

\$179 – \$334 (City View Standard /Ocean View Standard/Oceanfront

Efficiencies/Oceanfront 1 Bedroom Suites) *min 2 night stay

Call 410-289-6846 and request the special Tri-Association rate.

(Cutoff Date – 08/11/25)

DoubleTree by Hilton Oceanfront

3301 Atlantic Ave. (33rd Street)

Miles to Convention Center: 1

\$429 (2 Queen Oceanfront w/balcony) *min 2 night stay

PLUS \$10/night parking fee

Call 410-289-1234 and request the special Chesapeake Tri-Association Conference rate or register online. (Cutoff Date – 08/05/25)

www.hilton.com/en/book/reservation/rooms/?ctyhocn=BWIOCDT&arrivalDate=2025-08-25&departureDate=2025-08-29&groupCode=CDT916&room1NumAdults=1&cid=OM%2CWW%2CHILTONLINK%2CEN%2CDirectLink

Hotel Information

Dunes Suites

27th Street & Oceanfront

Miles to Convention Center: 2.4

\$254 (Oceanfront – 2 Queen) *min 2 night stay

**Complimentary Parking

Call 410-289-0891 and request the special Chesapeake Tri-Association Conference rate or register online. (Cutoff Date – 08/05/25)

<https://reservations.dunessuitesoc.com/book/dates-of-stay?groupID=4666238>

Hilton Garden Inn (Formerly Dunes Manor)

2800 Baltimore Ave. (28th Street)

Miles to Convention Center: 2.5

\$329 (Double Queen Oceanfront)

Call 1-800-233-1234 and request the special Tri-Association Conference 2024 rate or register online. (Cutoff Date – 08/05/25)

www.hilton.com/en/book/reservation/rooms/?ctyhocn=SBYFTGI&arrivalDate=2025-08-24&departureDate=2025-08-29&groupCode=910&room1NumAdults=1&cid=OM%2CWW%2CHILTONLINK%2CEN%2CDirectLink

Holiday Inn Oceanfront

6600 Coastal Hwy (67th Street)

Miles to Convention Center: 1.8

\$269 (Eastern Oceanfront) *min 2 night stay

PLUS \$10/night parking fee

Call 410-524-1600 and request the special Chesapeake Tri-Association Conference rate or register online. (Cutoff Date – 08/05/25)

www.ihg.com/holidayinn/hotels/us/en/ocean-city/ocemd/hoteldetail?cm_mmc=GoogleMaps_-_HI_-_US_-_OCEMD

Princess Bayside

4801 Coastal Hwy (48th Street)

Miles to Convention Center: 0.6

\$114 – \$164 (Standard Room/Deluxe Efficiency/Bayfront Efficiency)

*Complimentary Parking

Call 410-723-2900 and request the special Chesapeake Tri-Association 2025 rate. (Cutoff Date – 08/05/25)

Hotel Information

Quality Inn Oceanfront

5400 Coastal Hwy (54th Street)

Miles to Convention Center: 1.3

\$189 – \$229 (2 Queen Atrium or 2 Queen Oceanfront w/sleeper sofa)

*min 2 night stay

**Complimentary Parking

Call 410-524-7200 and request the special Chesapeake

Tri-Association Conference rate or register online. Group Code:

BPFJJS (Cutoff Date – 08/05/25)

www.choicehotels.com/reservations/groups/fg49q5?checkInDate=2025-08-25&checkOutDate=2025-08-29&ratePlanCode=BPFJJS

Residence Inn by Marriott

300 Seabay Lane (61st Street)

Miles to Convention Center: 1.6

\$269 (2 Queen Studio or King Studio) PLUS \$10/night parking fee

Please use the online registration link only. (Cutoff Date – 08/05/25)

www.marriott.com/event-reservations/reservation-link.mi?id=1737386530642&key=GRP&guestreslink2=true&app=resvlink

Sealoft Oceanfront Hotel

4501 Atlantic Avenue (45th Street)

Miles to Convention Center: .5

\$189 – \$229 (2 Queens – Urban View/2 Queens – Ocean View/

Oceanfront King) *min 2 night stay

Call 800-228-2800 and request the special Tri-Con Attendees 2025 rate. (Cutoff Date – 08/11/25)

Tru by Hilton Ocean City Bayside

3401 Coastal Hwy (34th Street)

Miles to Convention Center: .5

\$199 (2 Queen Studio or 1 King)

Call 410-520-4545 and request the special TRI rate or use the reservation link. (Cutoff Date – 08/05/25)

www.hilton.com/en/attend-my-event/tri-association-conference-2025-tru

Registration Information

Registration Information

Early Bird Registration Ends August 5, 2025, at 11:59 PM, after which time Standard Rates apply.

Standard Rates are \$100.00 more than Early Bird rates shown in the table.

EARLY BIRD REGISTRATION RATES					
Registration Options	Member	Certified Operator	Non-Member	Full-Time Student	Retiree
Full Conference: Complete Package	\$365	\$300	\$465	N/A	N/A
Full Conference: No Ticketed Events	\$275	\$210	\$365	\$75	\$135
One-Day Registration: Wednesday	\$235	\$160	\$335	\$30	N/A
One-Day Registration: Thursday	\$235	\$160	\$335	\$30	N/A
One-Day Registration: Friday	\$135	\$110	\$225	\$30	N/A

To get the Member rate, you or your utility must be a current member of one of the three associations (CWEA, CSAWWA, or WWOA). Your membership in AWWA or WEF must be with the Chesapeake affiliate/section.

To get the Retiree rate, you must not be working in the industry at this time.

All attendees must register for the 2025 Tri-Association Conference online. You can access registration through the conference website:
www.chesapeaketricon.org

Registration Information

Early Bird Registration (\$100 savings) Ends August 5, 2025, at 11:59 PM

Standard Conference Registration pricing begins at the close of Early Bird Registration. Full payment is required at the time of registration.

Full Conference, Complete Package

Includes access to Technical Sessions, Exhibit Hall, non-ticketed Social Events, one Ticket to Wednesday Night Seacrets Event, and one ticket to an Association Luncheon/Meeting of your choice (CSAWWA, CWEA, or WWOA).

Full Conference, No Ticketed Events

Includes access to Technical Sessions, Exhibit Hall, and non-ticketed Social Events.

Operator Competition Teams

Team members will receive a "Full Conference No Ticketed Events" registration for the reduced rate of \$100.00 per person for CSAWWA challenges and \$150.00 per team for CWEA Ops Challenge. Register through the system online and be sure to select "Operator Competition" when you start registration.

One Day Registration

Includes access to Technical Sessions, Exhibit Hall (Wednesday or Thursday only), and non-ticketed Social Events for that day.

Exhibitor Attendee Registrations

After June 1, all exhibiting firms will receive an email with full instructions on registering attendees. Each booth comes with two free badges, and the option to purchase up to two additional Exhibitor Badges at \$150 each. Exhibitor badges do NOT include tickets to conference special events, such as the 5K Fun Run, Seacrets Fun Night, and Association Business Luncheons.

Registration Information

Additional Selections

Golf at the Ocean City Golf Club, Tuesday, August 26, 2025

Ocean City Golf Club, Berlin, MD. Sign-In 11:00 AM to 12:00 PM, Shotgun Start at 12:00 PM. Format: Captain's Choice. Space may be limited, be sure to register early! Cost: \$115 per individual and \$460 for a foursome.

Pre-Conference Workshop

There is an Asset Management workshop planned for Tuesday, August 26 from 1:00 PM to 5:00 PM: *Communicating Asset Management to Internal and External Stakeholders*

The workshop will be submitted for PE and operator CEUs in Maryland and Delaware. Early Bird Registration Cost: \$45/Standard Registration Cost: \$50

Half-Day Operator Classes

Four half-day operator classes will be offered this year:

Wednesday, August 27:

- *Well Operation and Maintenance* – 8:30 AM to 12:30 PM (3.5 hours)
- *Understanding the Dangers of and Treatment Methods for PFAS Chemicals and Emerging Contaminants* – 1:00 PM to 5:00 PM (3.5 hours)

Thursday, August 28:

- *Math for Water and Wastewater* – 8:30 PM to 12:30 PM (3.5 hours)
- *Backflow Prevention Overview Class* – 2:00 PM to 5:30 PM (3 hours)

Registration Cost: Free for WWOA members but you must register for the class to attend. For non-members it is \$25 per class and will include a 2025 WWOA membership. You must also be registered for the conference to attend a class.

5K Fun-Run/Walk, Wednesday, August 27, 2025

The 5K Fun-Run/Walk will be held on Wednesday at 7:00 AM on the Boardwalk at the Grand Hotel (21st Street). Registration includes T-shirt, water, snack and prizes. Early Bird Registration Cost: \$40/Standard Registration Cost: \$50

Registration Information

Women in Water Networking Event, Wednesday, August 27, 2025

All are welcome to join and participate in engaging conversations and networking. Please join us in the Bayfront Ballroom on the second floor from 5:00 PM to 6:30 PM to share stories of volunteering, mentoring, and navigating meaningful ways of lending a hand. No cost but you must register.

Fun Night at Seacrets, Wednesday, August 27, 2025

Note: Seacrets tickets must be purchased by Tuesday, August 26, 2025.

NO INDIVIDUAL TICKETS WILL BE SOLD AT THE CONFERENCE ON WEDNESDAY OR AT THE DOOR. Must be 21 years or older to enter.

Music by *The Way Outs*. Cost: \$80 per person

Business Luncheons/Meetings, Thursday, August 28, 2025

All three organizations (CSAWWA, CWEA, and WWOA) will hold their annual business luncheons/meetings concurrently on Thursday. Tickets are required for attendance at the business lunch, and exhibitors receive two tickets to their choice of association luncheon with their booth. Cost: \$45 per ticket.

Young Professionals Happy Hour, Thursday, August 28, 2025

All are welcome to join the Young Professionals on Thursday for a fun night of networking! We will be enjoying happy hour and appetizers at Alley Oops Midtown Bowling Alley on 56th Street from 6:30 PM to 8:30 PM. Space is limited to 70 people, first come, first serve. Registration includes one happy hour drink and appetizers. Cost: \$20 per person.

Guest Badges

All guests who wish to attend the non-ticketed Social Events, including breakfasts, breaks, receptions and other social events, will need to purchase a Guest Badge. Cost: \$150 per guest. *Guest tickets are intended for those persons accompanying an attendee for non-business-related purposes. All attendees wishing to conduct business must register for the conference.*

Free Rides on Ocean City Buses!

All conference attendees, exhibitors and registered guests (with a name badge) can ride the Ocean City Buses free of charge by showing their 2025 Tri-Association Conference Name Badge between Tuesday August 26, 2025, at 2 PM and Friday August 29, 2025, at Noon.

Registration Information

The Fine Print

Payment Methods

Registration can only be purchased using a credit card – no cash or checks will be accepted for registration either in advance or at the conference. Upon completion of your registration, you will receive confirmation that will show what was purchased, the type of payment used, and the amount paid.

Cancellations

All cancellation requests must be made in writing to registration@chesapeakeetricon.org, and received by the Registrar no later than August 5, 2025, at 11:59 PM. Refunds will be issued minus a 20% administrative fee for cancellations received before August 5, 2025, at 11:59 PM. No refunds will be issued for requests received after August 5, 2025, at 11:59 PM.

On-Site Registration

On-site registration will be available at the convention center. On-site registration can be done at the Registration Desk. Note: Lines may be long for on-site registration so allow plenty of time to register before the sessions.

Registration Information

Registered attendees can pick up their conference badge and tickets at the Registration Desk. Technical Session Attendance Forms, the conference brochure, and any updates to conference information will be available at the Information Desk.

For information, please contact us at registration@chesapeakeetricon.org – we will respond within one business day.

CWEA, WWOA, AND CSAWWA thank you for your support!

[illegible]



Thank you

for being an important
part of this year's
Tri-Association Conference!



*We hope to see you again next year in
Ocean City, Maryland - for the 2026 Tri-Con!*





ASSESS | PLAN | DESIGN | IMPROVE



WATER



SEWER

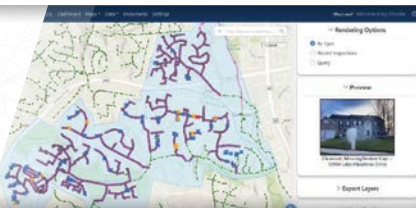


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