



New England  
Water Environment  
Association  
presents

96<sup>th</sup> Annual Conference

**Work for Water:  
For Communities.  
For the Environment.  
For our Future.**

# **NEWEA 2025 Annual Conference & Exhibit**

January 26 – 29

Boston Marriott Copley Place  
Boston, Massachusetts



**NEWEA**  
WORKING FOR WATER QUALITY

PRELIMINARY CONFERENCE PROGRAM



Scott Goodinson  
*NEWEA President*



Maureen Neville  
*NEWEA Program  
Committee Chair*

## Welcome to the 2025 NEWEA Annual Conference!

This year's event theme is "Work for Water: For Communities. For the Environment. For our Future." This theme emphasizes the need to recruit new professionals to the water industry and to work collaboratively to address current and future threats to our water environment and ensure the long-term sustainability of our water resources. With 41 technical sessions, a Student Poster Competition, a Tuesday Plenary Session, and two floors of exhibitors highlighting the industry's latest products and services, this year's program will address many elements of this theme.

The conference commences on Monday with the Opening Session at 11:00 AM. Attendees will hear from NEWEA and WEF leadership and our 2025 Keynote Speaker. Seven concurrent technical sessions on key water industry issues will take place in the morning and afternoon. Undergraduate and Graduate students will present their water quality research in the Student Poster Competition throughout the day. The afternoon winds down with the first of two Exhibit Hall receptions on the 3rd floor.

Tuesday offers another full day of exciting events. We celebrate and recognize operators by holding morning and afternoon Plant Operations technical sessions, as well as the lunchtime Operator's Reception. A Plenary Session will take place from 11:00 AM to 12:30 PM, featuring a panel discussion on the future of water followed by pitches from innovators highlighting emerging solutions to water industry issues. Innovators will also showcase their technologies and foster discussions on water innovation in morning and afternoon technical sessions, and we invite you to visit our Innovation exhibitors at their booths in the 3rd Floor Atrium. The day concludes with an Exhibit Hall reception on the 4th floor.

The final day of the conference features exhibits and morning and afternoon technical sessions, our lunch-time awards ceremony recognizing outstanding work in our industry, and the passing of the gavel to the 2025 NEWEA President, Deborah Mahoney of Brown and Caldwell. We hope you take advantage of all the 2025 Annual Conference has to offer and use this occasion to connect with and support your water industry colleagues.

We wish to recognize the significant efforts of the Meeting Management Council and members of the Program, Registration, Exhibits, and Awards Committees who make this conference one to look forward to each year. Thanks to the members of all the technical committees who review abstracts, moderate sessions, and provide the technical and subject matter expertise we need to do our jobs better. This conference would not be possible without the tireless efforts of the NEWEA office staff: Mary Barry, Janice Moran, Jordan Gosselin, Heather Howard, and Natalie Haddad. Thank you for your dedication, energy, professionalism, new ideas, and patience in planning and coordinating this great event every year!

Scott Goodinson, NEWEA President

Maureen Neville, NEWEA Program Committee Chair

### Table of Contents

Conference Events.....	4
Code of Conduct .....	6
Opening Session .....	7
Plenary Session.....	8
<b>Technical Sessions:</b>	
<b>Monday .....</b>	<b>9</b>
<b>Tuesday.....</b>	<b>15</b>
<b>Wednesday .....</b>	<b>23</b>
Innovation .....	29
Business Meeting .....	30
YP Summit.....	31
Hotel Information .....	32
Presenters.....	33
Moderators.....	39
Exhibitors.....	41

## NEWEA 2024 EXECUTIVE COMMITTEE

President	Scott C. Goodinson
President Elect	Deborah S. Mahoney
Vice President	Scott M. Firmin
Treasurer	Dave J. Van Hoven
Past President (Management Review)	Robert K. Fischer
Executive Director	Mary M. Barry
WEF Delegate (10/21)	Ray Vermette
WEF Delegate (10/22)	Janine L. Burke-Wells
WEF Delegate (10/23)	Nicholas Ellis
WEF Delegate (10/24)	Emily Cole-Prescott

### State Directors

Connecticut	Vanessa McPherson
Maine	Paula L. Drouin
Massachusetts	John M. Digiacoia
New Hampshire	Michael A. Trainque
Rhode Island	Amy Anderson George
Vermont	Jennifer Auster

### Council Directors

Collection Systems/Water Resource	Scott W. Lander
Communications	Philip J. Tucker
Innovation	Michael Murphy
Meeting Management	Scott Neesen
Outreach	Daryl Coppola
Treatment, Systems Operations, & Management	Marina Fernandes

## NEWEA 2024 COUNCILS

### Vice President Council

Certification Committee*	Kevin Conaty
Kate Biedron Memorial Fund Task Force*	Meg Tabacsco
Regulator Committee*	John Adie
Workforce Development*	Bill C. Boornazian

### Management Review Council

Assessment and Development Committee	Jennifer K. Lachmayr
Awards Committee	F Adam A. Yanulis
Bylaws Committee	James R. Barsanti
Committee Member Appreciation Committee	John Bobrek
Nominating Committee	Virgil J. Lloyd
Sponsor Committee	Larry Scola

## NEWEA 2024 COUNCILS (CONTINUED)

### Meeting Management Council

Conference Arrangements Committee	Ronald Tiberi
Exhibits Committee	Paul Russell
Program Committee	Maureen D. Neville
Registration Committee	Meg C. Tobacsko

### Communications Council

Diversity, Equity, and Inclusion Committee	Stephen King, Jr.
Journal Committee	Jennifer E. Lawrence
Public Awareness Committee	Faye DeMoura
Youth Education Committee	Danielle J. Gallant

### Treatment, Systems Operations, & Management Council

Asset Management Committee	Matthew Manchisi
Contaminants of Emerging Concern Committee	Amy E. Hunter
Energy Committee	Tracy Chouinard
Laboratory Practices Committee	Jason Nenninger
Plant Operations Committee	Nicholas B. Tooker
Operations Challenge Committee	Jason Swain
Residuals Management Committee	Jason D. Motta
Small Community Committee	Dennis Hallahan
Utility Management Committee	Kevin M. Garvey

### Collection Systems/Water Resource Council

Collection Systems Committee	Kara M. Rozycki
CSO/Wet Weather Issues Committee	Joshua Schimmel
Industrial Wastewater Committee	Matthew Dickson
Stormwater Committee	Natalie Pommersheim
Sustainability Committee	Maeve Carlson
Water Reuse Committee	Anastasia Rudenko
Watershed Management Committee	Steven E. Wolosoff

### Outreach Council

Government Affairs Committee	Jeffrey C. McBurnie
Membership Committee	Tyler Feeney
Scholarships Committee	Annalisa Onnis Hayden
Student Activities Committee	Kelsey George
Young Professionals Committee	Emily Korot

### Innovation Council

I/A OWTS Task Force	Bruce Walton
Innovation Committee	Chi Ho Sham

\* Ad hoc



New England Water Environment  
Association Presents:

**Work for Water:  
For Communities.  
For the Environment.  
For our Future.**

## **NEWEA 2025 Annual Conference & Exhibit**

January 26–29, 2025  
Boston Marriott Copley Place, Boston, MA

# Conference Events

## Sunday, January 26

<b>Registration</b> (4th Floor).....	9:00 AM–4:00 PM
<b>Young Professionals Summit</b> .....	10:00 AM–4:00 PM
Registration from 9:00–10:00 AM <i>See description on page 31</i>	
<b>New Committee Chair and Council Director Orientation</b> .....	10:00 AM–Noon
<b>Executive Committee Meeting</b> .....	Noon–3:30 PM
<b>Exhibit Hall Set-Up</b> .....	Noon–6:00 PM
<b>President's Reception</b> (3rd Floor Atrium).....	4:00–6:00 PM

## Monday, January 27

<b>Registration</b> (4th Floor).....	7:00 AM–6:00 PM
<b>Coffee and Continental Breakfast</b> (3rd Floor Atrium).....	7:30–9:00 AM
<b>Young Professionals Lounge</b> .....	7:30–9:00 AM
Hosted by the YP Committee. Young Professionals & Students are welcome to stop in. YP Committee Chair: Emily Korot, CDM Smith	
<b>Annual Business Meeting</b> .....	8:00–8:30 AM
Welcome and Opening Remarks: Scott Goodinson, NEWEA President/ Narragansett, RI - Presentation and vote on 2025 Slate of NEWEA Officers. <i>See description on page 30</i>	
<b>Technical Sessions 1–7</b> .....	8:30–10:30 AM
<i>See descriptions beginning on page 9</i>	
<b>ASA Presidents/State Directors Meeting</b> .....	9:00 AM–10:30 AM
<b>College Student Poster Board Competition</b> (3rd Floor Atrium) .....	9:00 AM–3:30 PM
Coordinator: Joanna Sullivan, VHB • Session with Authors.....	12:30–2:30 PM
Awards .....	3:00–3:30 PM
<i>See description on page 28</i>	
<b>Exhibit Hall Grand Opening</b> .....	10:30 AM
Paul Russell, Exhibits Committee Chair; Scott Goodinson, NEWEA President. Grand opening will take place at the main entrances of both the 3rd and 4th floor exhibit areas.	

## Monday, January 27 continued

**Exhibits** (3rd and 4th Floor Exhibit Areas)..... 10:30 AM–6:30 PM

Please note that the 3rd and 4th floor exhibit areas are connected by a stairwell in the back of the exhibit hall. See *page 41-42 for list of exhibitors (as of 10/4/24)*.

**Opening Session** ..... 11:00 AM–Noon  
*See description on page 7*

**Select Society of Sanitary Sludge Shovelers' Lunch** ..... Noon–2:00 PM  
by invitation—Charles Tyler, Influent Integrator

**Technical Sessions 8–14** ..... 2:00–4:30 PM  
*See descriptions beginning on page 12*

**Exhibit Hall Break** ..... 3:00–3:30 PM

**Committee Fair** (4th Floor Hallway) ..... 3:00–4:00 PM  
*See description below*

**Exhibit Hall Reception** (3rd Floor Exhibit Area) ..... 4:30–6:30 PM

## Tuesday, January 28

**Registration** (4th Floor) ..... 7:00 AM–6:00 PM

**Coffee and Continental Breakfast** (3rd Floor Atrium) ..... 7:30–9:00 AM

**Innovation Pavilion Exhibitors** ..... 8:00 AM–4:30 PM  
*See description on page 29*

**Exhibits** (3rd and 4th Floor Exhibit Areas) ..... 8:00 AM–6:30 PM

**Technical Sessions 15–21** ..... 8:30–11:00 AM  
*See descriptions beginning on page 15*

**Committee Fair** (4th Floor Hallway) ..... 9:30–10:30 AM  
*See description below*

**Exhibit Hall Break** ..... 9:30–10:00 AM

**Plenary Session** ..... 11:00 AM–12:30 PM

**Operator's Reception** ..... 12:30–1:45 PM

This reception is reserved for operators that actively work in a plant or facility on a day to day basis.

Sponsored by:

Connecticut Water Environment Association

Green Mountain Water Environment Association

Maine Water Environment Association

Massachusetts Water Environment Association

New Hampshire Water Pollution Control Association

Rhode Island Clean Water Association

**NEWEA/NEWWA/NEAPWA Joint Leadership Meeting** ..... 2:00 PM–3:30 PM

**Technical Sessions 22–28** ..... 2:00–4:30 PM  
*See descriptions beginning on page 18*

**Exhibit Hall Break** ..... 3:00–3:30 PM

**Exhibit Hall Reception** (4th Floor Exhibit Area) ..... 4:30–6:30 PM

### NEWEA's Committee Fair

Make the most of your membership by getting involved in one of NEWEA's committees. Put your passion and expertise to work while getting more exposure to networking opportunities by signing up for a volunteer committee!

# Wednesday, January 29

<b>Registration</b> (4th Floor).....	7:30 AM–2:00 PM
<b>Exhibits</b> (3rd and 4th Floor Exhibit Areas).....	8:00 AM–1:00 PM
<b>Technical Sessions 29–35</b> .....	8:30–11:00 AM
<i>See descriptions beginning on page 22</i>	
<b>Exhibit Hall Break</b> .....	9:30–10:00 AM
<b>Exhibit Area Brunch</b> .....	11:00 AM–1:00 PM
The exhibit area brunch will be held in both the 3rd and 4th floor exhibit areas	
<b>NEWEA Awards Ceremony and Lunch</b> (ticket required).....	11:00 AM–1:00 PM
<b>Technical Sessions 36–41</b> .....	1:00–3:00 PM
<i>See descriptions beginning on page 25</i>	
<b>Adjourn</b> .....	3:00 PM

## Code of Conduct

.....

NEWEA is committed to providing a professional, safe, and welcoming environment during its in-person and virtual events for all water professionals and their guests. NEWEA expects all attendees, exhibitors, speakers, sponsors, media, and other participants to uphold our commitment to diversity and inclusion by helping us provide a positive conference environment for everyone. View Code of Conduct at: <http://www.newea.org/wp-content/uploads/2020/08/NEWEA-Code-of-Conduct-Events.pdf>

By voluntarily choosing to attend NEWEA's conferences and events, participants assume all risks associated with exposure to illness.

Individuals who test positive for COVID-19 and/or who are experiencing any cold/flu like symptoms should not attend.

All conference participants must sign the Attendee Terms and Conditions during registration. View Attendee Terms at: <http://www.newea.org/wp-content/uploads/2021/08/AttendeeTermsConditions.pdf>



Monday  
11:00 AM–Noon

Moderator:  
Maureen Neville  
NEWEA Program Chair  
Woodard & Curran



David Vallee

## Opening Session

Welcome:

**Scott Goodinson, NEWEA President**  
Narragansett, RI

Keynote Speaker:

**David Vallee**  
**Director, Service Innovation and Partnership Division**  
**NOAA/NWS/Office of Water Prediction - National**  
**Water Center**

David Vallee is the Director of the National Water Center's Service Innovation and Partnership Division. As Director, David leads service innovation activities as well as partner outreach and engagement to help gather requirements for new and enhanced water resources services. David's current focus is on helping to lead the national implementation of new Forecast Flood Inundation Mapping services.

David became the Director of the National Water Center's Service Innovation and Partnership Division in June of 2022, following 15 years as the Hydrologist-in-Charge of the Northeast River Forecast Center where he led the implementation of innovative ensemble prediction services, expanded impact-based decision support services, conducted research on heavy rainfall associated with landfalling tropical cyclones in the Northeastern U.S. with the State University of New York, examined changing flood and precipitation behavior across New England, as well as leading a two year Department of Commerce Agency Priority Goal to: Mitigate Flood Impacts by Demonstrating Improved Decision Support Services to Emergency Managers. David is a graduate of Lyndon State College.

David has been the recipient of numerous regional and national awards including the prestigious National Isaac Cline Award for Leadership, The NOAA Silver Sherman Award for his Stewardship to develop a Flood Inundation Mapping Services Concept of Operations, and the NOAA Administrator Award for his contributions leading the successful demonstration of a pioneering advance in water prediction services through new flood inundation mapping capabilities, which are now publicly available to 10% of the nation through the NWS National Viewer.



Tuesday  
11:00 AM–12:30 PM

## Plenary Session: The Future of Clean Water - Workforce

.....

*Moderator:*

Stephen Sanders,  
State University of  
New York

Current and emerging challenges are threatening our water environment and industry, including a critical need for infrastructure investment, emerging contaminants, and climate change. New technologies, ideas, and approaches are needed to address these issues and ensure the sustainability of our water resources. Additionally, the water industry needs to implement workforce initiatives to ensure a pipeline of qualified candidates are filling essential roles and utilities can continue to provide reliable drinking water and clean water services to the communities they serve.

Throughout the first portion of the Plenary Session program, a panel of experts will discuss climate/resilience, innovation, financing, and communications. Through a guided conversation, as well as audience questions, we will dig into the issues that matter most to clean water professionals to inform, inspire, and explore the future of the water industry.

Following this panel, the session will highlight leading innovators and the technologies they are developing as potential solutions to these challenges facing our industry. The innovators will be in attendance to engage in conversation with the panelists and answer questions from the audience. Attendees can also follow up with innovators by visiting their exhibit booths in the 3rd Floor Atrium.

**Panelists:**

Meshal Alduraywish, Sciens Capital Management  
Howard Carter, City of Saco, ME  
Rhonda Harris, Operational Technical Services  
Philip Jordan, Blue Water Research  
Don Sands, X-Cel Education

**Monday**  
**8:30–10:30 AM**

## Technical Sessions 1–7

.....

### Session 1

**Collection Systems 1:  
Take Risks and Try  
New Things**

*Moderators:*

Paul Millett,  
Apex Companies  
Tom Loto, AECOM

**Sewer Pipeline Delivers Prime Economic  
Development in North Andover, MA**

Michael Camadeco, Woodard & Curran

**Dancing with the Models! SWMM and Physical  
Models used to Optimize Design of the Cemetery  
Brook Drain Tunnel**

Tatyana Dudiac, CDM Smith  
Shawn Lavoie, CDM Smith

**Connecting Properties to a Sewer – Maybe Not as  
Straightforward as it Sounds**

Justin Rosenberg, AECOM  
Tom Loto, AECOM

**Promoting Regional Growth Opportunities through  
Collaboration and Cooperation – East Bridgewater  
Sewer Extension Project**

Ryan Henley, Weston & Sampson  
Anna Wojcik, Weston & Sampson

### Session 2

**Young Professionals 1:  
Flood Mitigation  
Showdown–  
YPs vs. Rising Rivers**

*Moderators:*

Sarah Viola, Wright-Pierce  
Ryan Morais, Fuss & O'Neill

### Interactive Session

This interactive workshop, designed by young professionals in collaboration with experienced practitioners, will start with an overview of floodplain mitigation fundamentals. Then, using a case study as a jumping off point, participants will design a solution to a flooding scenario and have their ideas tested using the Ward's® Stormwater Floodplain Simulation System. Participants will develop an understanding of important flood mitigation principles and see how their decisions translate to a simulated scenario.

Garrett Bergey, Woodard & Curran  
Leah Finn-Erb, Woodard & Curran  
Joseph Kirby, Woodard & Curran  
Kathryne Lovell, Woodard & Curran  
Rich Niles, Woodard & Curran

Monday  
8:30–10:30 AM  
.....

## Technical Sessions 1–7

### Session 3

#### Utility Management 1: Cyber Security

*Moderators:*

Justin Durant, Wright-Pierce  
Brian Olsen,  
Carlsen Systems

#### Understanding Your Risk to Cyber and Physical Threats and What Resources are Available

Joe Flores, Cybersecurity & Infrastructure Security Agency  
Daniel King, Cybersecurity & Infrastructure Security Agency

#### Cyber/ Physical Threat Implementation

Bob Schwarm, The Metropolitan District Commission

#### OT Cybersecurity - Easier Said Than Done

Matthew Lick, CDM Smith

### Session 4

#### Residuals & Biosolids 1: PFAS Treatment Technologies

*Moderators:*

Vanessa Borkowski,  
Stantec  
April Sargeant,  
Resource Management

#### BioHub: Your One Stop PFAS Technology Shop

Jennifer Lichtensteiger, New England Interstate Water  
Pollution Control Commission

#### Breaking the Cycle - Disposal Issues and Destruction Technologies

Eric Spargimino, CDM Smith

#### Do I Need To Dry The Cake? An Overview Of Sludge Drying Technologies And Drivers For Implementation

Terry Goss, AECOM

#### Evaluation of Sewage Sludge for Processing in Autothermal Pyrolysis

Philip Pedros, Mott MacDonald

### Session 5

#### Watershed Management 1:

#### Part A: Directions of Large-Scale Watershed Planning

#### Part B: Management of Urban Ponds in Southeastern MA

*Moderators:*

Julie Sullivan,  
Massachusetts Water  
Resources Authority  
Fiona Worsfold,  
Brown and Caldwell

#### Nutrient Management: Practices, Policies, and Partnerships

Andrew Thuman, HDR

#### A Tale of Two Watersheds: A Comparative Study of Flood Modeling in the Charles and Neponset Watersheds

Indrani Ghosh, Weston & Sampson  
Jason Mammone, Town of Dedham, MA

#### Unique Funding Strategies for Improving the South Watuppa Pond Watershed

Zach Henderson, Woodard & Curran  
Paul Ferland, City of Fall River, MA

#### Sassaquin Pond: Improving a Treasured Neighborhood Resource through Watershed-based Planning

Zachary Eichenwald, CDM Smith  
Bernadette Kolb, CDM Smith  
Shawn Syde, City of New Bedford, MA  
Zoe Schmitt, CDM Smith

Monday  
8:30–10:30 AM  
.....

## Session 6

### **Asset Management 1: Leveraging Artificial Intelligence and Digital Twins for Asset Management**

*Moderators:*

Dan Capano,  
Gannett Fleming  
Sharon Nall,  
New Hampshire  
Department of  
Environmental Services

## Technical Sessions 1–7

### **Advancing Utility Adoption of Large Language Models: Practical Applications in Asset Management**

Andrew Goldberg, Brown and Caldwell  
Dillon McCormick, Brown and Caldwell

### **AI-Based Sensor Anomaly Detection for Collection System Sensor Networks**

Olivier Fradet, Tetra Tech

### **An AI-Informed Approach to Predicting Water Main Failures and Prioritizing Repairs**

Varun Srinivasan, Trinnex  
Katie Deheer, Trinnex  
Rajan Ray, Trinnex  
Shervin Khazaeli, Trinnex

### **Digital Twins for Efficient Operations**

Chris Lorrain, LandTech Consultants

## Session 7

### **CSO/Wet Weather Issues 1: Optimization of CSO Control Projects**

*Moderators:*

Keith Gardner, Stantec  
James Drake, CDM Smith

### **Play Ball! – Optimizing CSO Control Around an MLB Double A Affiliate Stadium**

Colin O'Brien, Brown and Caldwell  
Eric Fontenot, Brown and Caldwell  
Fred McNeill, City of Manchester, NH

### **If You Can't Pump It, Store It**

Alex Buechner, City of Biddeford, ME  
Jason Gallant, Wright-Pierce  
Charles Daigle, Wright-Pierce

### **Massachusetts Water Resources Authority's Quick Thinking to Allow Additional CSO Outfalls to Meet LTCP Goals**

Erika Casarano, AECOM

### **Combined Sewer Overflow Abatement: Turning the Blackstone River Blue**

Abby Byrne, Wright-Pierce  
Kathryn Kelly, Narragansett Bay Commission

**Monday**  
**2:00–4:30 PM**

## Technical Sessions 8–14

.....

### Session 8

#### **Government Affairs 1: Regulatory Roundtable**

*Moderators:*

Jeff McBurnie,  
Casella Resource Solutions  
Jeff Lemay,  
Town of South Windsor, CT

### Panel Discussion

There are many challenges facing the six states that make up the New England region. The intention of the Regulatory Roundtable Session is to allow for discussion of common issues/solutions and to facilitate the exchange of information.

Panelists from all six states will present.

### Session 9

#### **Young Professionals 2: Centrifugal Pump Fundamentals – Let’s Take Apart a Pump!**

*Moderators:*

Andrew Elderbrock, Arcadis  
Fiona Worsfold,  
Brown and Caldwell

### Interactive Session

Come take apart a pump and learn more about what the pieces of a pump look like! This interactive session is great for anyone who is involved with operating, maintaining, designing, or specifying a centrifugal pump system.

Todd Brown, University of Hartford  
Richard Delacono, South Essex Sewerage District  
Adam Higgins, Wright-Pierce  
Emily Korot, CDM Smith  
Jaimie Payne, Bartlett & West  
Stephanie Salerno, Wright-Pierce  
Nick Tooker, University of Massachusetts  
Nick Valinski, Woodard & Curran

### Session 10

#### **Plant Operations 1: Need to Do More With Less? Make That Process More Intense!**

*Moderators:*

Amanda Sparks,  
Woodard & Curran  
Allie Greenfield,  
Woodard & Curran

#### **Need to Upgrade or Expand with no Space? You’ve Got Options**

William McConnell, CDM Smith

#### **Super Intensification of BNR: Combining MABR & Continuous Flow Denitrification at the Yorkville-Bristol Sanitary District**

Matt Reeve, Veolia  
Laura Stock, Veolia

#### **Diversifying the Carbon Portfolio Using Cranberry Syrup Waste as Supplemental Carbon Source in a Sidestream EBPR Demonstration**

Fabrizio Sabba, Black & Veatch

#### **Evaluating Full-Scale Impacts of Densified Activated Sludge on Disinfection Efficacy**

Brian Hilts, CDM Smith

### **Exhibit Hall Break**

**3:00–3:30 PM**

Monday  
2:00–4:30 PM  
.....

## Technical Sessions 8–14

### Session 11

#### **Stormwater 1: Compliance with Contaminant Tracking & Treatment Systems**

*Moderators:*

Vonnie Reis,  
City of Melrose, MA  
Joe Kietner,  
City of Westfield, MA

#### **Stormwater Sleuths: Innovative IDDE Strategies in New Bedford**

Cynthia Baumann, CDM Smith  
Shawn Syde, City of New Bedford, MA

#### **LWSC's IDDE Program – Charting a Course to Cleaner Waters at Kings Beach**

Karen Chan, Apex Companies  
RaeAnna Hughes, City of Lynn, MA  
Vern Lincoln, Apex Companies

#### **Meeting Evolving NPDES Permit Limits for Stormwater: Approach for Holistically Evaluating Novel Inline Stormwater Treatment Systems**

Caitlyn Butler, University of Massachusetts  
Amy Mueller, Northeastern University  
Charlie Jewel, Boston Water and Sewer Commission

#### **Stormwater Showdown: Navigating the Challenges of Strict Permit Compliance in Industrial Settings**

Daniel Bourdeau, Geosyntec Consultants  
Tom Sweeney, Allied Recycling Center

### Session 12

#### **Collection Systems 2: An Ounce of Prevention is Worth a Pound of Cure**

*Moderators:*

Brendan Doyle,  
BLD Services  
Brad Hayes,  
Woodard & Curran

#### **The Design and Construction Management of Accelerated Sewer and Lateral Rehabilitation to Renew Infrastructure and Reduce CSOs in Northern Hartford**

Brian Brown, CDM Smith  
Jason Waterbury, The Metropolitan District Commission  
Thomas Robbins, The Metropolitan District Commission

#### **Dover Road Pumping Station-A Self-Cleaning Trench Wet Well Success Story**

Paul Moulton, AECOM

#### **Sewer Repairs and Improvements: A Master Plan or the Seat of Your Pants?**

Louis Mammolette, Dewberry

#### **The Future of Wastewater Surveillance**

Scott Craig, CDM Smith  
John Sheets, CDM Smith  
Rasha Maal-Bare, CDM Smith

### **Exhibit Hall Break**

3:00–3:30 PM

Monday  
2:00–4:30 PM  
.....

## Technical Sessions 8–14

### Session 13

#### **Public Awareness: Communication Strategies and Tools**

##### *Moderators:*

Denise Descheneau,  
Upper Blackstone  
Clean Water

Adam Yanulis,  
Tighe & Bond

#### **Building a Community – Specific PFAS Cycle to Inform Program Management and Communications on Nantucket**

Andrew Miller, CDM Smith

Chuck Larson, Town of Nantucket, MA

Gregg Tivnan, Town of Nantucket, MA

#### **Community Outreach – The Alpha and Omega of Odor Control**

Richard Pope, Hazen and Sawyer

#### **Empowering and Celebrating Community Members Who Implement Best Practices on Their Properties to Protect Coastal Ecosystems and Local Water Quality**

Alissa Cox, University of Rhode Island

#### **Open House Toolkit – How to Open Your Facilities to the Public**

Emily Cole-Prescott, City of Saco, ME

Phil Tucker, York Sewer District

### Session 14

#### **Small Communities**

##### *Moderators:*

Dennis Hallahan, Infiltrator  
Water Technologies

Chris Hayward,  
Pare Corporation

#### **Adapting Infrastructure to Climate Change in Small Communities**

Julia Khrakovsky, GHD

Sara Greenberg, GHD

Chelsea Phan, GHD

#### **We've Created a Wastewater Bathtub! A Truck Stop's Challenging Wastewater Treatment & Subsurface Dispersal System on a Steeply Sloped Site**

Jason Hofmann, Fuss & O'Neill

#### **Building Resilient Wastewater Infrastructure: Decentralized Systems and Adaptive Design**

Patrick Compton, F.R. Mahony & Associates

#### **I/A OWTS Update**

Bruce Walton, NEWEA I/A OWTS Task Force

Scott Horsley, Horsley Consulting

#### **Exhibit Hall Break**

3:00–3:30 PM



Tuesday  
8:30–11:00 AM

## Technical Sessions 15–21

---

### Session 15

#### Plant Operations 2: Leveraging Data for Improved Design, Operations, and Control

*Moderators:*

Caleb Shen,  
Thompson Pipe Group  
Ben Levin,  
Hazen and Sawyer

#### **Vesilind Revisited: Secondary Clarifier Design and Operating Curve Refinement**

Allie Greenfield, Woodard & Curran  
Maureen Neville, Woodard & Curran  
Paul Dombrowski, Woodard & Curran

#### **Addressing Severe Wastewater Filament Problems – A Case Study in Process Troubleshooting and Bringing a Struggling Plant Back to Regulatory Compliance**

Patrick Radabaugh, Dewberry  
Brendan Cavanaugh, Colorado Springs Utilities  
Todd Shafer, Dewberry

#### **Ensuring Sensor Reliability: Best Practices for Ammonia-Based Aeration Control Processes**

Adrienne Stenz, YSI  
John Downey, Veolia

#### **Modernizing Wastewater Compliance and Operations Through a Digital-First Framework at The Mattabassett Sewer District, CT**

Varun Srinivasan, Trinnex  
Arthur Simonian, Mattabassett District  
Travis Wagner, Trinnex  
Ty Wagner, Mattabassett District

### Session 16

#### Workforce Development

*Moderators:*

Bill Boornazian,  
City of Portland, ME  
James Plummer,  
New England Interstate  
Water Pollution Control  
Commission

#### **Construction Compliance & Diversity**

Jeffrey King, The Metropolitan District Commission  
Biviana Cassanova, The Metropolitan District Commission  
Carlos Bravo, The Metropolitan District Commission

#### **Attention to Retention**

Hannah Schulz, Woodard & Curran  
Amy LeBel, Woodard & Curran

#### **Sparking Interest in Water Careers: Onsite Wastewater Treatment Systems as a Unique University Capstone Learning Opportunity and Exposure to Careers**

Alissa Cox, University of Rhode Island

#### **Leveling Up: Gamification of Operator Training**

Susan Guswa, Woodard & Curran  
Maureen Neville, Woodard & Curran  
Allie Greenfield, Woodard & Curran  
Paul Dombrowski, Woodard & Curran

#### Exhibit Hall Break

9:30–10:00AM

Tuesday  
8:30–11:00 AM

## Technical Sessions 15–21

### Session 17

#### Contaminants of Emerging Concern 1: PFAS Treatment Technologies

*Moderators:*

Amy Hunter, AECOM  
Meghan Otis,  
Weston & Sampson

#### **Holistic PFAS Management in Wastewater and Biosolids**

Kelly Landry, Hazen and Sawyer

#### **Turn Your Bioreactor into a PFAS Removal Engine— A Novel Approach to Dramatically Reduce Cost of Treatment**

Paul Rodriguez, ECT2

#### **Destruction Efficiencies of Subcritical and Supercritical Water Oxidation for the Destruction of PFAS and Contaminants of Emerging Concern**

Sudhakar Viswanathan, 374Water

#### **Exploring PFAS Removal from Landfill Leachate: A Comparative Analysis of Four Foam Fractionation Technologies**

Fabrizio Sabba, Black & Veatch

### Session 18

#### Stormwater 2: Next Steps in the Nutrient Dilemma – A Panel Discussion

*Moderators:*

Zach Henderson,  
Woodard & Curran  
Natalie Pommersheim,  
Apex Companies

### Panel Discussion

Regulatory changes have set the stage for unprecedented and extensive stormwater-based nutrient reduction strategies in New England. Communities face large capital expenses to meet new nutrient load allocations in MS4 permits, and creative, economical strategies are urgently needed. Join panelists from both inside and outside our industry circle to discuss how we can eliminate hurdles to cost-effective nutrient control implementation, with a specific focus on planning and financing challenges and opportunities.

#### **Planning for Nutrient Control - Best Practices**

James Houle, University of New Hampshire  
Max Rome, Charles River Watershed Association

#### **Private Property Owner SCM – Best Practices**

Theresa McGovern, VHB

#### **Technical Design for Nutrient Control – Lessons and Innovations**

Virginia Roach, CDM Smith

#### **Alternative Controls – Demonstrating Results Through Nutrient Inactivation**

Eilish Corey, Town of Wellesley, MA

**Exhibit Hall Break**  
9:30–10:00 AM

Tuesday  
8:30–11:00 AM

## Session 19

### **Innovation 1: Smart Monitoring and Inspection in the Water Sector**

*Moderators:*

Chi Ho Sham, NEWEA  
Innovation Committee  
Viktor Hlas, OptiRTC

## Technical Sessions 15–21

### **Smart Sewer Sensor Deployment – Tracking Wet Weather Performance for Resiliency and Sustainability**

Bridget Harper, Tetra Tech

### **Water Quality Monitoring with dataCAST**

Josh Soper, CDM Smith  
Eoin Howlett, Trinnex  
Jon Ball, City of Los Angeles, CA

### **Wastewater Quality Monitoring in the Collections System for Discharge Control**

Quinn Moss, Xylem

### **The Future is Smart Sewer Inspections**

Joshua Ford, PipeAid  
Kevin Campanella, Burgess & Niple

## Session 20

### **Industrial Wastewater: Pretreatment Process Innovations, Lessons Learned, and Local Limits**

*Moderators:*

Sara White,  
UniFirst Corporation  
Matthew Dickson,  
Haley Ward

### **Developing Flexible Local Limits**

Joshua Balentine, Brown and Caldwell

### **Charged Bubble Floatation Based Solids Removal of High Strength Industrial Waste Streams**

David Graham, Stantec

### **Managing Unintended Consequences: Mitigating Disinfection By Product Formation by Modified Disinfection Chemistry**

Audrey Karl, CDM Smith  
Eric Staunton, CDM Smith

### **Semiconductor Manufacturing Wastewater Treatment with Water Reuse**

Justin Motta, Stantec  
Roman Lis, Stantec

Tuesday  
8:30–11:00 AM

## Technical Sessions 15–21

### Session 21

#### Sustainability 1: Climate Resiliency and Sustainability Foundations and Funding

*Moderators:*

Maeve Carlson,  
Wright-Pierce  
Meredith Zona,  
Stantec

#### **Climate-Adaptive Infrastructure: Leveraging Life Cycle Assessments for Future Decision-Making**

Jessica Wagner, JKMuir  
Megan Coleman, JKMuir

#### **Climate Change Readiness through Adaptation Planning**

Rina Dalal, CDM Smith

#### **Leveraging State Revolving Funds to Strengthen Climate Resiliency for New England's Wastewater and Stormwater Systems**

Laura Collins, New England Environmental Finance Center  
Chloe Shields, University of Maine

#### **Assessing Climate Change Vulnerabilities of Water/Wastewater Systems: A Standardized Approach for Prioritizing Resilience Actions in NH Communities**

Indrani Ghosh, Weston & Sampson  
Rupsa Roy, Weston & Sampson  
John Sykora, Weston & Sampson  
Ethan Widrick, New Hampshire Department of Environmental Services  
Cassidy Yates, Weston & Sampson



#### **Exhibit Hall Break**

9:30–10:00 AM

Tuesday  
2:00–4:30 PM

## Technical Sessions 22–28

---

### Session 22

#### Stormwater 3: Innovative Flood Management Strategies

*Moderators:*

Mary Tchamkina, Raftelis  
Sadia Khan, Kleinfelder

#### Is Watershed Real-Time Control a Solution to Urban Flooding?

Alex Simpson, Weston & Sampson  
Aaron Clausen, City of Lynn, MA  
RaeAnna Hughes, City of Lynn, MA

#### Flood Resilience through Stream Daylighting and Stormwater Upgrades

Eric Kelley, Apex Companies  
Maria George, Apex Companies

#### Retrofitting Existing Stormwater Infrastructure to Meet Modern Standards for Watershed Management

Carly Quinn, Woodard & Curran  
Ross Tsantoulis, Woodard & Curran  
Derek Adams, Town of Franklin, MA

#### Detention, Infiltration, and Stormwater Harvesting with Real-Time Controls on a Private Development in Watertown, MA

Dayton Marchese, OptiRTC

### Session 23

#### Plant Operations 3: Enhancing Biological Phosphorus Removal with S2EBPR

*Moderators:*

Sarah Viola,  
Wright-Pierce  
Nick Tooker, University of  
Massachusetts

#### Sidestream EBPR is About the Fundamentals: Simple Strategies to Enhance Biological Phosphorus Removal

Alexandra Doody, CDM Smith  
Eric Staunton, CDM Smith  
Nigel Beaton, CDM Smith

#### Startup, Operation and Troubleshooting of the Sidestream Enhanced Biological Phosphorus Removal (S2EBPR) Process

Paul Dombrowski, Woodard & Curran  
Kerri Lopes, Massachusetts DOC  
Mark Ready, Massachusetts DOC

#### Optimizing Enhanced Biological Phosphorus Removal for Successful Wastewater Treatment: Lessons Learned from S2EBPR Operation in a C-limited Facility

Fabrizio Sabba, Black & Veatch

### Panel Discussion

Michael Delaney, Massachusetts DOC  
Jason DiPietro, Upper Montgomery Joint Authority  
Kerri Lopes, Massachusetts DOC  
Cindy Qin, Metropolitan Water Reclamation  
District of Chicago  
Mark Ready, Massachusetts DOC

Exhibit Hall Break  
3:00–3:30 PM

Tuesday  
2:00–4:30 PM  
.....

## Technical Sessions 22–28

### Session 24

#### **Residuals & Biosolids 2: Biosolids Management Risks and Regionalization Solutions – Part 2**

*Moderators:*

Vanessa Borkowski,  
Stantec

Eric Spargimino,  
CDM Smith

#### **Panel Discussion**

This session is a follow up to the Biosolids Management Risks and Regionalization Solutions session from the 2024 Conference and will address the drivers and progress with respect to biosolids regionalization within New England via a panel discussion about current regionalization / source-control programs, technical advancements, and biosolids management practices. Current program discussions will tap local Water Resource Recovery Facility managers to get an update on their existing projects. It will also discuss other regions that have been successful in implementing biosolids regionalization facilities. This session will also provide context for the types of regulations that encourage and hinder biosolids regionalization from the utility manager's perspective and how third-party contractors are approaching biosolids management within these bounds. The final component of the session will source-control programs that have been implemented. This session is intended to be an interactive session.

Shelagh Connely, Resource Management

Manuel Irujo, Synagro

Jennifer Lichtensteiger, New England Interstate Water  
Pollution Control Commission

Jeff McBurnie, Casella Resource Solutions

Phil Tucker, York Sewer District

#### **Exhibit Hall Break**

3:00–3:30 PM

Tuesday  
2:00–4:30 PM  
.....

## Technical Sessions 22–28

### Session 25

**Collection Systems 3:  
No Harm in Hoping for the  
Best as Long as You Are  
Prepared for the Worst**

*Moderators:*

Dan Kramer,  
Hazen and Sawyer  
Adam Moskal,  
Woodard & Curran

**Protecting Critical Infrastructure: Phases 1 and 2 of  
the Beardsley Force Main Renewal**

Sarah Wohlfahrt, Arcadis  
Sean Mitchell, Arcadis

**Emergency CIPP Repair of PCCP Process Piping at  
Wastewater Treatment Facility**

Matthew Ribeiro, AECOM  
Mark Szela, Azuria  
Mike Wilson, South Essex Sewerage District  
Patrick Castrogiovanni, Methuen Construction

**Running Between Raindrops: Corrosion Repair of a  
Critical CSO Pump Discharge Pipe**

Kevin Krawiec, Corrosion Probe  
Alejandro Alvarez, Massachusetts Water Resources  
Authority

**Another Ductile Iron Force Main Failure:  
Replacement of 16,000 Linear Feet of Sewer Force  
Main for the Town of Whitman**

Andrew Grota, Apex Companies  
David Lemay, Town of Whitman, MA  
Ziad Kary, Apex Companies

### Session 26

**Innovation 2:  
Digital Future Is Here to  
Stay in the Water Sector**

*Moderators:*

Chi Ho Sham,  
NEWEA Innovation  
Committee  
Viktor Hlas, OptiRTC

**Using Machine Learning to Estimate Wastewater  
Infrastructure Coverage in the US**

Nelson da Luz, University of Massachusetts

**Identification of PFAS Origin with Machine Learning**

Gregory Coyle, Brown and Caldwell

**Digital Transformation in the Water Industry:  
Overcoming Barriers and Enhancing Efficiency  
through the Asset Generator Case Study**

Alan Levy, Arcadis

**Harnessing the Transformational Impact of  
Software-Defined Automation**

Gerald Mullaney, Schneider Electric

**Exhibit Hall Break**  
3:00–3:30 PM



Tuesday  
2:00–4:30 PM

## Technical Sessions 22–28

### Session 27

#### Utility Management 2: Utility Management

*Moderators:*

Donald Gallucci,  
Wright-Pierce  
Karla Sangrey,  
Upper Blackstone  
Clean Water

#### **Cleaner Rivers and Equitable Rates for Stormwater Funding in Boston**

Henrietta Locklear, Raftelis  
Anthony Dello-Iacano, Boston Water and Sewer Commission  
Luicano Petruziello, Boston Water and Sewer Commission  
Richard Sullivan, Boston Water and Sewer Commission

#### **Operating Under Emergency – Designing for Repair When Failure is Imminent**

Rychel Gibson, Wright-Pierce

#### **Comprehensive Utility Management Practices**

Landon Kendricks, Black & Veatch

#### **How to Ensure Success at all Levels of an Organization**

Jim Courchaine, Hazen and Sawyer

### Session 28

#### **Diversity, Equity, & Inclusion: The Pivotal Role Equity Has to Enhance the Environment of Access, Belonging and Opportunities in the Workplace**

*Moderators:*

Stephen King,  
Town of Danvers, MA  
John Bobrek,  
Bobrek Engineering

#### **Let's Talk - How Embracing DEI&B Can Transform the Workplace**

Sarah Jakositz, CDM Smith

#### **The Women's Environmental Network: Building Community and Empowering One Another**

Angela Moulton, CDM Smith

#### **Making the Non-Apparent, Apparent: Shedding Light on Hidden or Invisible Disabilities in the Workplace**

Victoria Verlezza, Fuss & O'Neill

#### **Exhibit Hall Break**

3:00–3:30 PM

Wednesday  
8:30–11:00 AM

## Technical Sessions 29–35

.....

### Session 29

#### Youth Education: Re-engaging Communities After a Pandemic Pause

*Moderators:*

Danielle Gallant,  
CDM Smith  
Kerry Reed,  
Town of Hopkinton, MA

### Panel Discussion

The Youth Education Committee will present the available community engagement and education materials available free through the NEWEA YEC website. The YEC will also hold a panel discussion with community and educational leaders from the region on their successes (and lessons learned) with re-engaging communities after a Pandemic pause.

Panelists TBD

### Session 30

#### Government Affairs 2: Funding and Support

*Moderators:*

Adam Higgins,  
Wright-Pierce  
Jeff McBurnie, Casella

#### The National Water Policy Fly-in – Heard About It? Now Learn About It!

Peter Garvey, Dewberry  
John Digiacomio, Town of Natick, MA

#### Navigating the Funding Landscape

Francesca McCann, Black & Veatch

#### So... you're having a BABA

Leslie Corcelli, Environmental Protection Agency  
Kelly Tucker, Environmental Protection Agency

#### Water/Wastewater Plant WARN & EMAC Assistance for Extreme Weather Events

Sarita Croce, New England Interstate Water Pollution  
Control Commission  
David Aucoin, Narragansett Bay Commission  
Thomas Guthlein, Rhode Island Emergency  
Management Agency

### Session 31

#### Stormwater 4: Permitting, Inspections and Maintenance – Oh my!

*Moderators:*

Eric Kelley,  
Apex Companies  
Maria Rose,  
Town of Brookline, MA

#### Vermont Three-Acre Permit Compliance at Four Sites in South Burlington

Julia Keay, Geosyntec Consultants  
Marisa Rorabaugh, City of South Burlington, VT

#### Municipal Stormwater Control Measure (SCM) Inspection and Maintenance (I&M) Guidance

Annaliese Keimel, VHB

#### Self-Certification Program for Private SCM Inspections - Lessons Learned

Cambria Ung, City of Cambridge, MA

#### Establishing & Communicating Stormwater Control Measure O&M Requirements in the Charles River Watershed

Carly Quinn, Woodard & Curran  
James Sherrard, Woodard & Curran

Exhibit Hall Break  
9:30–10:00 AM

Wednesday  
8:30–11:00 AM

.....

## Technical Sessions 29–35

### Session 32

#### Plant Operations 4: Innovative Approaches to Nutrient Management

*Moderators:*

Emily Korot, CDM Smith

Uday Karra, Arcadis

#### **Implementing Biological Nutrient Removal (BNR) using a Hybrid Step Feed Process at Springfield's Regional Wastewater Treatment Facility**

Kevin Smith, AECOM

Matthew Nolen-Parkhouse, Veolia

Steven Frederick, Springfield Water and Sewer  
Commission

#### **Overcoming Inhibition and Achieving Reliable Nitrogen Removal with Nanobubble Technology**

Susan Guswa, Woodard & Curran

John Crisman, Moleaer

Greg Parks, Woodard & Curran

Maureen Neville, Woodard & Curran

#### **Collaborative and Innovative Efforts for Fast-Track Projects**

Gilson Hogan, Kleinfelder

Joel Jones, Portland Water District

Jose Infante Corona, Kleinfelder

Stephanie Hubbard, Kleinfelder

### Session 33

#### Asset Management 2: Case Studies in Asset Management

*Moderators:*

Georgine Grissop,  
CDM Smith

Chris Perez,  
Woodard & Curran

#### **Data-Driven Capital Planning: A Town of Franklin, MA Case Study**

Len Sekuler, Arcadis

Doug Martin, Town of Franklin, MA

#### **Transforming Asset Management: Lorain Utilities Department's Journey to Improved Performance and Reliability**

Laith Alfaqih, Stantec

Douglas Dietzel, City of Lorain, OH

James Hale, Stantec

#### **Supporting Pipe Dreams: Using ArcGIS Field Maps for Offline Asset Inspection**

Zachary Adams, CDM Smith

#### **Stop with the Shiny Stuff... Let Us First Get Back to Basics**

Christopher Cogan, Portland Water District

Evan Kane, Portland Water District

#### Exhibit Hall Break

9:30–10:00 AM

Wednesday  
8:30–11:00 AM

## Technical Sessions 29–35

### Session 34

#### **Energy: Energy Enhancements to Drive Energy Savings at Small and Larger Facilities**

*Moderators:*

David Michelsen, South  
Essex Sewerage District  
Tracy Chouinard,  
Brown and Caldwell

#### **Implementing Impactful Energy Savings on a Budget**

Cynthia Castellon, Tighe & Bond  
Jeff Neal, Town of Ipswich, MA  
Daniel Roop, Tighe & Bond

#### **The Triple Crown of Energy Efficiency at MWRA's Braintree-Weymouth Pump Station**

Marc Moccio, Wright-Pierce  
Patrick Smith, Massachusetts Water Resources  
Authority

#### **Innovative New Media with Advanced Deep Bed Primary Filtration Makes Significant Strides**

Amit Kaldate, Tomorrow Water

#### **Energy Enhancements Leads to Net Zero Facility Performance**

Colin O'Brien, Brown and Caldwell  
William Rehkop, Derry Township Municipal Authority

### Session 35

#### **Water Reuse: Got Water? Reuse Opportunities in New England and Beyond!**

*Moderators:*

Dennis Greene,  
New Hampshire  
Department of  
Environmental Services  
Meredith Zona, Stantec

#### **Understanding Water Reuse Project Drivers and Technology Selection – When Will Water Reuse Make Sense in the Northeast?**

Greta Zornes, CDM Smith

#### **How the City of Wichita Conquered Elevated Atrazine, Viruses, TOC & Turbidity With Controlled Bromate Formation to Successfully Recharge Groundwater**

Scott Miller, APT Water

#### **The State Of Source-Separation: Real-World Implementations, Real-World Benefits**

Kim Nace, Brightwater Tools

#### **Green Solutions for Landfill Leachate: Willow Plantations as Effluent Reduction Systems**

Nic Leblanc, RAMO Group

### **Exhibit Hall Break**

9:30–10:00 AM

Wednesday  
1:00–3:00 PM

## Technical Sessions 36–41

---

### Session 36

#### Contaminants of Emerging Concern 2: CEC Research Highlights

*Moderators:*

Laura Marcolini,  
Fuss & O'Neill

Ryan Buckley,  
New England Interstate  
Water Pollution Control  
Commission

#### **PFAS Fate in Engineered Systems**

Paula Mouser, University of New Hampshire  
Amy Polaczyk, Vermont Department of Environmental  
Conservation

Eamon Twohig, Vermont Department of Environmental  
Conservation

Steven LaRosa, Weston & Sampson

#### **PFAS in Wastewater – From Research to Reality**

Samir Mathur, CDM Smith

#### **Photolytic Degradation of Psychoactive Drugs in Surface Water**

Varsha Niroula, University of Massachusetts

#### **Potential Microplastic Degradation by Comamonas Testosteroni in Water Systems – Bioremediation Opportunities and Limitations**

Adam Kulaczowski, CDM Smith

### Session 37

#### Watershed Management 2: Local Approaches to Coastal Watershed Management

*Moderators:*

Sara Greenberg, GHD  
Sarah Nalven, VHB

#### **Protecting the Port: Flood Mitigation Strategies for the Working Waterfront in South Boston's Raymond L. Flynn Marine Park**

Emily Carlson, Arcadis

#### **The 40-Year Plan: Orleans' Sixteen Steps to Sewer Implementation**

Amy Hunter, AECOM

Tim Harrison, AECOM

#### **Integrated Approaches to Reversing the Impacts of Nitrogen Eutrophication in Coastal Estuaries: Southeastern Massachusetts Case Studies**

Anastasia Rudenko, GHD

Julia Khrakovsky, GHD

#### **Innovative Septic Solutions: Reducing Groundwater Nutrients through Municipal Action**

Renee Bourdeau, Geosyntec Consultants

Wednesday  
1:00–3:00 PM  
.....

## Technical Sessions 36–41

### Session 38

#### **Collection Systems 4: Genius is Making Complex Ideas Simple, Not Making Simple Ideas Complex**

*Moderators:*

Andrew Reid,  
New England  
Environmental Equipment  
Michael Davis,  
Fuss & O'Neill

**Confronting the Complexities of Large-Diameter  
Sewer Rehabilitation in a Highly Urbanized Setting**  
Stefani Harrison, Stantec  
Irene McSweeney, Boston Water and Sewer Commission

**Designing Around History and Ecology**  
Jeff Gregg, GHD

**Permanent Infrastructure for Temporary Bypassing –  
Diverting Flow to Upgrade the MWRA's Hayes  
Pump Station**

Nick Ellis, Hazen and Sawyer  
Patty Mallett, Massachusetts Water Resources  
Authority

**Turning the Tide: Redesigning Flood Protections  
During Construction**

Stephanie Salerno, Wright-Pierce  
Andrew Smith, Wright-Pierce

### Session 39

#### **Residuals & Biosolids 3: Biosolids Management**

*Moderators:*

Justin Motta, Stantec  
Prashanth Emmanuel,  
Tighe & Bond

**A Statewide Crisis: Wastewater Sludge Management  
in Massachusetts, Part 1**

Rachel Tenney, Tighe & Bond  
Bill Brower, Brown and Caldwell  
Christopher Bone, Tighe & Bond

**A Road Map for Navigating Biosolids Disposal  
Challenges at SESD Through Application of Existing  
and Emerging Technologies**

Nickolas Avila, AECOM  
Mike Wilson, South Essex Sewerage District  
Terry Goss, AECOM

**3-Stage Anaerobic Digestion with Nitrate Recycle  
Addresses Several Challenges**

Matthew Williams, Thermal Process Systems

**Fugitive Methane: A Risk for All Solids Handling  
(Not Just Digestion)**

Bill Brower, Brown and Caldwell

Wednesday  
1:00–3:00 PM  
.....

## Technical Sessions 36–41

### Session 40

#### **CSO/Wet Weather Issues 2: Factors Affecting and Improving CSO Control**

*Moderators:*

Jason Kreil,  
Woodard & Curran  
Addison Minott,  
Boston Water and  
Sewer Commission

#### **How to Factor Climate Change Impacts in Updated CSO Control Plans**

Indrani Ghosh, Weston & Sampson  
James Wilcox, City of Cambridge, MA  
Rupsa Roy, Weston & Sampson

#### **A Stepwise Approach to Developing a Flood Emergency Planning and Climate Adaptation Program with Case Studies from Clayton County, GA and Boston, MA**

Benjamin Agrawal, Hazen and Sawyer  
Ann Houseman, Hazen and Sawyer

#### **Assessing Affordability on a Regional Scale – MWRA's Experience with EPA's New Financial Capability Assessment Guidance**

Aaron Weieneth, AECOM  
Erika Casarano, AECOM  
Jeremy Hall, Massachusetts Water Resources  
Authority

#### **Managing Smart for the Future: How Toronto Water is Reducing CSOs with Phased Implementation through Digital and Automation Technology**

Diana Qing Tao, Tetra Tech

### Session 41

#### **Sustainability 2: Climate Resiliency and Sustainability in Progress and in Practice**

*Moderators:*

Wayne Bates, Tighe & Bond  
Maeve Carlson,  
Wright-Pierce

#### **How to Optimize Water Infrastructure Planning and Design with Decarbonization in Mind**

Deborah Ross, CDM Smith  
Chris Campbell, CDM Smith  
Rasha Maal-Bared, CDM Smith

#### **Achieving Envision Certification for Pumping Station Rehabilitation Project**

Jake Oldenburger, Tetra Tech

#### **Making Tenean Beach Climate Change Ready**

Jason Hellendrung, Tetra Tech

#### **Planning for Climate Change at the Peirce Island WWTF with Resilient Design**

Matt Doelp, AECOM  
Christine Sproviero, City of Portsmouth, NH  
Eric Weinrieb, Altus Engineering  
Erik Meserve, AECOM



Tuesday  
8:00 AM–4:30 PM

### 3rd Floor Exhibit Hall



## NEWEA's Innovation Council Innovation Pavilion Exhibitors

---

NEWEA's Innovation Council is excited for Water Innovation Day on Tuesday, January 28 at the Annual Conference.

The full day of Innovation programming includes a Plenary Session featuring a panel on the future of water and pitches from innovators who developed technology to address the water industry's most pressing concerns; exhibits from some of the most promising start-ups in the region; and morning and afternoon technical sessions on water innovation.

NEWEA's Innovation Council brings together people who share a common passion for bringing solutions to market to address challenges and opportunities in water. Members represent all sectors of the water economy including utilities, consultants, private businesses, regulators, investors, and researchers from across the region and with national and international reach.

The goal of Innovation Day is to provide a forum for sharing new ideas, enabling innovators and researchers to get input from people on the front lines of providing clean water, and creating enduring connections to drive innovation in our region.

Thank you to our Water Innovation Partners:  
Watts Water & Evoqua Water Technologies

Monday  
8:00–8:30 AM

# Annual Business Meeting

Respectfully submitted on  
September 11, 2024, by  
the NEWEA Nominating  
Committee:

Virgil Lloyd, Chair  
Frederick McNeill  
Robert Fischer  
Vanessa McPherson

All nominees have  
indicated their willingness  
to serve.

By vote of the Nominating Committee, I submit the following nominations in accordance with Article 9.3.1 of the NEWEA Constitution and Bylaws to the Executive Committee, for approval to place the slate of officers before the membership at the NEWEA Annual Business Meeting on January 27, 2025:

- Vice President – **Amy Anderson George**
- Treasurer – **Arthur Simonian**  
(1st year - through January 2028)
- WEF Delegate – **Vanessa McPherson**  
(through WEFTEC 2028)
- WEF Delegate – **Nick Ellis**  
Completing Virgil Lloyd's term (through WEFTEC 2026)
- Council Director- Treatment, System Operations, & Management – **Eric Spargimino**  
(1st year - through January 2028)
- Maine State Director – **Andre Brousseau**  
(1st year - through January 2028)
- New Hampshire State Director – **Tracy Woods**  
(1st year - through January 2028)
- Rhode Island State Director – **Laura Marcolini**  
Completing Amy Anderson George's term  
(2nd year - through January 2027)

In accordance with the provisions of Article 9.3.2 of the NEWEA Constitution & Bylaws, these Officers will advance to the following positions:

- President – **Deborah Mahoney**
- President-Elect – **Scott Firmin**
- Past President – **Scott Goodinson**

The remaining incumbents are fulfilling unexpired terms:

- WEF Delegate – **Janine Burke-Wells** (through WEFTEC 2025)
- WEF Delegate – **Emily Cole-Prescott** (through WEFTEC 2027)
- Council Director – Collection Systems/Water Resources – **Scott Lander** (3rd year - through January 2026)
- Council Director – Innovation – **Michael Murphy**  
(3rd year - through January 2026)
- Massachusetts Director – **John Digiacomio**  
(3rd year - through January 2026)
- Vermont State Director – **Jennie Auster**  
(2nd year - through January 2027)

Sunday  
10:00 AM–4:00 PM

# Young Professionals Summit

.....

\*This event is intended for professionals who have less than five years of experience in the industry and are younger than 35 years old

**The YP Summit Meme Contest is back!** The YP Committee invites attendees to create and submit water-related memes to participate in this contest. All submissions will be shared on the overhead screen during the event and attendees will vote on their favorite. Send your memes to EMAIL: [jplummer@neiwpcc.org](mailto:jplummer@neiwpcc.org)

The Young Professionals (YP) Committee is excited to announce the 2025 YP Summit.\* The YP Summit brings together young and emerging professionals in the water industry to learn from industry leaders and network with peers from across New England.

The Committee has drafted an engaging program of panels, presentations, and networking sessions to help young professionals strengthen their leadership and technical skills and advance their water industry careers.

Below is a preliminary schedule, which is subject to change.

9:00 AM – 10:00 AM	Check In & Coffee/Muffins
10:00 AM – 10:15 AM	Welcome & Opening Remarks
10:30 AM – 11:15 AM	Speed Networking
11:30 AM – 12:15 PM	Career Panel
12:15 PM – 1:00 PM	Lunch
1:00 PM – 1:40 PM	YP Panel
1:40 PM – 2:20 PM	Technical Presentation 1 & 2
2:20 PM – 2:40 PM	Break
2:40 PM – 3:20 PM	Technical Presentation 3 & 4
3:20 PM – 3:25 PM	Mentor Recognition
3:25 PM – 3:35 PM	Meme Contest
3:35 PM – 3:55 PM	Water Trivia
3:55 PM – 4:00 PM	Closing Remarks

Following the completion of the program, attendees are invited to enjoy a reception, which will be attended by experienced water industry professionals and members of NEWEA and NEWWA's Executive Committees.

*\*NOTE: This event requires separate registration from the Annual Conference. Morning coffee/pastries and Lunch are included in registration.*

# Hotel Information

---

Check-out time is Noon

Guest rooms will be available after 4:00 PM.

All rooms subject to 16.45% tax (subject to change).

Reservations must be made before **Friday, January 10, 2025** to ensure availability of accommodations and the special group rate.

## Hotel and Room Reservation Information

Boston Marriott Copley Place Hotel  
110 Huntington Avenue, Boston, MA 02116  
617-236-5800

Rates: SINGLE—\$224, DOUBLE—\$244

For Reservations, call the Marriott at 617-236-5800 or 1-877-901-2079 (worldwide reservations). Please refer to the New England Water Environment Association to receive the group rate.

Reservations may also be made online at:  
[https://book.passkey.com/event/50810939/owner/249/home?utm\\_campaign=294250909](https://book.passkey.com/event/50810939/owner/249/home?utm_campaign=294250909)



# Presenters

PRESENTER	AFFILIATION	SESSION NO.
Derek Adams.....	Town of Franklin, MA.....	22
Zachary Adams.....	CDM Smith.....	33
Benjamin Agrawal.....	Hazen and Sawyer.....	40
Meshal Alduraywish.....	Sciens Capital Management.....	Plenary Session
Laith Alfaqih.....	Stantec.....	33
Alejandro Alvarez.....	Massachusetts Water Resources Authority.....	25
David Aucoin.....	Narragansett Bay Commission.....	30
Nickolas Avila.....	AECOM.....	39
Joshua Balentine.....	Brown and Caldwell.....	20
Jon Ball.....	City of Los Angeles, CA.....	19
Cynthia Baumann.....	CDM Smith.....	11
Nigel Beaton.....	CDM Smith.....	23
Garrett Bergey.....	Woodard & Curran.....	2
Christopher Bone.....	Tighe & Bond.....	39
Daniel Bourdeau.....	Geosyntec Consultants.....	11
Renee Bourdeau.....	Geosyntec Consultants.....	37
Carlos Bravo.....	The Metropolitan District Commission.....	16
Bill Brower.....	Brown and Caldwell.....	39
Brian Brown.....	CDM Smith.....	12
Todd Brown.....	University of Hartford.....	9
Alex Buechner.....	City of Biddeford, ME.....	7
Caitlyn Butler.....	University of Massachusetts.....	11
Abby Byrne.....	Wright-Pierce.....	7
Michael Camadeco.....	Woodard & Curran.....	1
Kevin Campanella.....	Burgess & Niple.....	19
Chris Campbell.....	CDM Smith.....	41
Emily Carlson.....	Arcadis.....	37
Howard Carter.....	City of Saco, ME.....	Plenary Session
Erika Casarano.....	AECOM.....	7, 40
Biviana Cassanova.....	The Metropolitan District Commission.....	16
Cynthia Castellon.....	Tighe & Bond.....	34
Patrick Castrogiovanni.....	Methuen Construction.....	25
Brendan Cavanaugh.....	Colorado Springs Utilities.....	15
Karen Chan.....	Apex Companies.....	11
Aaron Clausen.....	City of Lynn, MA.....	22
Christopher Cogan.....	Portland Water District.....	33
Emily Cole-Prescott.....	City of Saco, ME.....	13
Megan Coleman.....	JKMuir.....	21
Laura Collins.....	New England Environmental Finance Center.....	21
Patrick Compton.....	F.R. Mahony & Associates.....	14
Shelagh Connely.....	Resource Management.....	24
Leslie Corcelli.....	Environmental Protection Agency.....	30
Eilish Corey.....	Town of Wellesley, MA.....	18

<b>PRESENTER</b>	<b>AFFILIATION</b>	<b>SESSION NO.</b>
Jim Courchaine .....	Hazen and Sawyer.....	27
Alissa Cox.....	University of Rhode Island.....	13, 16
Gregory Coyle.....	Brown and Caldwell .....	26
Scott Craig.....	CDM Smith .....	12
John Crisman.....	Moleaer.....	32
Sarita Croce .....	New England Interstate Water Pollution Control Commission...30	
Charles Daigle.....	Wright-Pierce.....	7
Nelson da Luz.....	University of Massachusetts .....	26
Rina Dalal.....	CDM Smith .....	21
Katie Deheer.....	Trinnex.....	6
Richard Delacono.....	South Essex Sewerage District .....	9
Michael Delaney.....	Massachusetts DOC.....	23
Anthony Dello-Iacano.....	Boston Water and Sewer Commission.....	27
Douglas Dietzel .....	City of Lorain, OH.....	33
John Digiacomio.....	Town of Natick, MA.....	30
Jason DiPietro.....	Upper Montgomery Joint Authority .....	23
Matt Doelp.....	AECOM.....	41
Paul Dombrowski .....	Woodard & Curran .....	15, 16, 23
Alexandra Doody.....	CDM Smith .....	23
John Downey .....	Veolia.....	15
Tatyana Dudiac .....	CDM Smith .....	1
Zachary Eichenwald .....	CDM Smith .....	5
Nick Ellis.....	Hazen and Sawyer.....	38
Paul Ferland.....	City of Fall River, MA .....	5
Leah Finn-Erb .....	Woodard & Curran .....	2
Joe Flores.....	Cybersecurity & Infrastructure Security Agency.....	3
Eric Fontenot .....	Brown and Caldwell .....	7
Joshua Ford.....	PipeAid .....	19
Olivier Fradet.....	Tetra Tech.....	6
Steven Frederick .....	Springfield Water and Sewer Commission.....	32
Jason Gallant.....	Wright-Pierce.....	7
Peter Garvey.....	Dewberry.....	30
Maria George.....	Apex Companies.....	22
Indrani Ghosh.....	Weston & Sampson .....	5, 21, 40
Rychel Gibson .....	Wright-Pierce.....	27
Andrew Goldberg.....	Brown and Caldwell .....	6
Terry Goss .....	AECOM.....	4, 39
David Graham .....	Stantec.....	20
Sara Greenberg.....	GHD .....	14
Allie Greenfield .....	Woodard & Curran.....	15, 16
Jeff Gregg .....	GHD .....	38
Andrew Grota.....	Apex Companies.....	25
Susan Guswa.....	Woodard & Curran .....	16, 32
Thomas Guthlein .....	Rhode Island Emergency Management Agency .....	30
James Hale .....	Stantec.....	33
Jeremy Hall.....	Massachusetts Water Resources Authority.....	40

<b>PRESENTER</b>	<b>AFFILIATION</b>	<b>SESSION NO.</b>
Bridget Harper .....	Tetra Tech.....	19
Rhonda Harris .....	Operational Technical Services.....	Plenary Session
Stefani Harrison .....	Stantec.....	38
Tim Harrison .....	AECOM.....	37
Jason Hellendrung.....	Tetra Tech.....	41
Zach Henderson.....	Woodard & Curran.....	5
Ryan Henley .....	Weston & Sampson .....	1
Adam Higgins.....	Wright-Pierce.....	9
Brian Hilts .....	CDM Smith.....	10
Jason Hofmann.....	Fuss & O'Neill .....	14
Gilson Hogan.....	Kleinfelder.....	32
Scott Horsley .....	Horsley Consulting .....	14
James Houle.....	University of New Hampshire.....	18
Ann Houseman .....	Hazen and Sawyer.....	40
Eoin Howlett .....	Trinnex.....	19
Stephanie Hubbard.....	Kleinfelder.....	32
RaeAnna Hughes .....	City of Lynn, MA.....	11, 22
Amy Hunter .....	AECOM.....	37
Jose Infante Corona .....	Kleinfelder.....	32
Manuel Irujo .....	Synagro.....	24
Sarah Jakositz .....	CDM Smith.....	28
Charlie Jewel.....	Boston Water and Sewer Commission.....	11
Joel Jones .....	Portland Water District.....	32
Philip Jordan.....	Blue Water Research.....	Plenary Session
Amit Kaldate .....	Tomorrow Water .....	34
Evan Kane .....	Portland Water District.....	33
Audrey Karl .....	CDM Smith.....	20
Ziad Kary.....	Apex Companies.....	25
Julia Keay .....	Geosyntec Consultants .....	31
Annaliese Keimel.....	VHB.....	31
Eric Kelley .....	Apex Companies .....	22
Kathryn Kelly.....	Narragansett Bay Commission.....	7
Landon Kendricks.....	Black & Veatch.....	27
Shervin Khazaeli .....	Trinnex.....	6
Julia Khrakovsky.....	GHD.....	14, 37
Daniel King.....	Cybersecurity & Infrastructure Security Agency.....	3
Jeffrey King.....	The Metropolitan District Commission .....	16
Joseph Kirby.....	Woodard & Curran.....	2
Bernadette Kolb.....	CDM Smith.....	5
Emily Korot .....	CDM Smith.....	9
Kevin Krawiec.....	Corrosion Probe .....	25
Adam Kulaczkowski.....	CDM Smith.....	36
Kelly Landry.....	Hazen and Sawyer.....	17
Steven LaRosa .....	Weston & Sampson .....	36
Chuck Larson.....	Town of Nantucket, MA .....	13
Shawn Lavoie .....	CDM Smith.....	1



<b>PRESENTER</b>	<b>AFFILIATION</b>	<b>SESSION NO.</b>
Amy LeBel .....	Woodard & Curran .....	16
Nic Leblanc .....	RAMO Group .....	35
David Lemay .....	Town of Whitman, MA .....	25
Alan Levy .....	Arcadis .....	26
Jennifer Lichtensteiger .....	New England Interstate Water Pollution Control Commission 4, 24	
Matthew Lick .....	CDM Smith .....	3
Vern Lincoln .....	Apex Companies .....	11
Roman Lis .....	Stantec .....	20
Henrietta Locklear .....	Raftelis .....	27
Kerri Lopes .....	Massachusetts DOC .....	23
Chris Lorrain .....	LandTech Consultants .....	6
Tom Loto .....	AECOM .....	1
Kathryne Lovell .....	Woodard & Curran .....	2
Rasha Maal-Bared .....	CDM Smith .....	12, 41
Patty Mallett .....	Massachusetts Water Resources Authority .....	38
Louis Mammolette .....	Dewberry .....	12
Jason Mammone .....	Town of Dedham, MA .....	5
Dayton Marchese .....	OptiRTC .....	22
Doug Martin .....	Town of Franklin, MA .....	33
Samir Mathur .....	CDM Smith .....	36
Jeff McBurnie .....	Casella Resource Solutions .....	24
Francesca McCann .....	Black & Veatch .....	30
William McConnell .....	CDM Smith .....	10
Dillon McCormick .....	Brown and Caldwell .....	6
Theresa McGovern .....	VHB .....	18
Fred McNeill .....	City of Manchester, NH .....	7
Irene McSweeney .....	Boston Water and Sewer Commission .....	38
Erik Meserve .....	AECOM .....	41
Andrew Miller .....	CDM Smith .....	13
Scott Miller .....	APT Water .....	35
Sean Mitchell .....	Arcadis .....	25
Marc Moccio .....	Wright-Pierce .....	34
Quinn Moss .....	Xylem .....	19
Justin Motta .....	Stantec .....	20
Angela Moulton .....	CDM Smith .....	28
Paul Moulton .....	AECOM .....	12
Paula Mouser .....	University of New Hampshire .....	36
Amy Mueller .....	Northeastern University .....	11
Gerald Mullaney .....	Schneider Electric .....	26
Kim Nace .....	Brightwater Tools .....	35
Jeff Neal .....	Town of Ipswich, MA .....	34
Maureen Neville .....	Woodard & Curran .....	15, 16, 32
Rich Niles .....	Woodard & Curran .....	2
Varsha Niroula .....	University of Massachusetts .....	36
Matthew Nolen-Parkhouse .....	Veolia .....	32
Colin O'Brien .....	Brown and Caldwell .....	7, 34

<b>PRESENTER</b>	<b>AFFILIATION</b>	<b>SESSION NO.</b>
Jake Oldenburger .....	Tetra Tech.....	41
Greg Parks.....	Woodard & Curran.....	32
Jaimie Payne .....	Bartlett & West.....	9
Philip Pedros.....	Mott MacDonald.....	4
Luicano Petruziello.....	Boston Water and Sewer Commission.....	27
Chelsea Phan .....	GHD.....	14
Amy Polaczyk .....	Vermont Department of Environmental Conservation.....	36
Richard Pope .....	Hazen and Sawyer.....	13
Cindy Qin.....	Metropolitan Water Reclamation District of Chicago.....	23
Diana Qing Tao .....	Tetra Tech.....	40
Carly Quinn .....	Woodard & Curran.....	22, 31
Patrick Radabaugh.....	Dewberry.....	15
Rajan Ray.....	Trinnex.....	6
Mark Ready .....	Massachusetts DOC.....	23
Matt Reeve .....	Veolia.....	10
William Rehkop .....	Derry Township Municipal Authority.....	34
Matthew Ribeiro.....	AECOM.....	25
Virginia Roach .....	CDM Smith.....	18
Thomas Robbins.....	The Metropolitan District Commission.....	12
Paul Rodriguez .....	ECT2.....	17
Max Rome.....	Charles River Watershed Association.....	18
Daniel Roop .....	Tighe & Bond.....	34
Marisa Rorabaugh .....	City of South Burlington, VT.....	31
Justin Rosenberg.....	AECOM.....	1
Deborah Ross.....	CDM Smith.....	41
Rupsa Roy .....	Weston & Sampson.....	21, 40
Anastasia Rudenko.....	GHD.....	37
Fabrizio Sabba .....	Black & Veatch.....	10, 17, 23
Stephanie Salerno.....	Wright-Pierce.....	9, 38
Don Sands.....	X-Cel Education.....	Plenary Session
Zoe Schmitt.....	CDM Smith.....	5
Hannah Schulz .....	Woodard & Curran.....	16
Bob Schwarm .....	The Metropolitan District Commission.....	3
Len Sekuler .....	Arcadis.....	33
Todd Shafer.....	Dewberry.....	15
John Sheets.....	CDM Smith.....	12
James Sherrard.....	Woodard & Curran.....	31
Chloe Shields .....	University of Maine.....	21
Arthur Simonian.....	Mattabassett District.....	15
Alex Simpson.....	Weston & Sampson.....	22
Andrew Smith.....	Wright-Pierce.....	38
Kevin Smith .....	AECOM.....	32
Patrick Smith.....	Massachusetts Water Resources Authority.....	34
Josh Soper.....	CDM Smith.....	19
Eric Spargimino.....	CDM Smith.....	4
Christine Sproviero.....	City of Portsmouth, NH.....	41

PRESENTER	AFFILIATION	SESSION NO.
Varun Srinivasan .....	Trinnex.....	6, 15
Eric Staunton .....	CDM Smith.....	20, 23
Adrienne Stenz .....	YSI.....	15
Laura Stock .....	Veolia.....	10
Richard Sullivan .....	Boston Water and Sewer Commission.....	27
Tom Sweeney.....	Allied Recycling Center.....	11
Shawn Syde .....	City of New Bedford, MA .....	5, 11
John Sykora .....	Weston & Sampson .....	21
Mark Szela.....	Azuria .....	25
Rachel Tenney.....	Tighe & Bond .....	39
Andrew Thuman .....	HDR.....	5
Gregg Tivnan.....	Town of Nantucket, MA .....	13
Nick Tooker .....	University of Massachusetts .....	9
Ross Tsantoulis .....	Woodard & Curran .....	22
Kelly Tucker.....	Environmental Protection Agency.....	30
Phil Tucker.....	York Sewer District.....	13, 24
Eamon Twohig.....	Vermont Department of Environmental Conservation....	36
Cambria Ung.....	City of Cambridge, MA .....	31
Nick Valinkski .....	Woodard & Curran .....	9
Victoria Verlezza.....	Fuss & O'Neill.....	28
Sudhakar Viswanathan .....	374Water .....	17
Jessica Wagner.....	JKMuir .....	21
Travis Wagner.....	Trinnex.....	15
Ty Wagner .....	Mattabassett District.....	15
Bruce Walton .....	NEWEA I/A OWTS Task Force .....	14
Jason Waterbury.....	The Metropolitan District Commission .....	12
Aaron Weieneth.....	AECOM .....	40
Eric Weinrieb.....	Altus Engineering.....	41
Ethan Widrick .....	New Hampshire Department of Environmental Services.....	21
James Wilcox.....	City of Cambridge, MA .....	40
Matthew Williams .....	Thermal Process Systems .....	39
Mike Wilson.....	South Essex Sewerage District .....	25, 39
Ryan Wingard .....	Wright-Pierce.....	7
Sarah Wohlfahrt .....	Arcadis.....	25
Anna Wojcik.....	Weston & Sampson .....	1
Cassidy Yates .....	Weston & Sampson .....	21
Greta Zornes.....	CDM Smith.....	35

# Moderators

SESSION	MODERATOR	AFFILIATION
1.....	Paul Millett.....	Apex Companies
1.....	Tom Loto .....	AECOM
2.....	Sarah Viola.....	Wright-Pierce
2.....	Ryan Morais .....	Fuss & O'Neill
3.....	Justin Durant .....	Wright-Pierce
3.....	Brian Olsen .....	Carlsen Systems
4.....	Vanessa Borkowski.....	Stantec
4.....	April Sargeant .....	Resource Management
5.....	Julie Sullivan.....	Massachusetts Water Resources Authority
5.....	Fiona Worsfold .....	Brown and Caldwell
6.....	Dan Capano.....	Gannett Fleming
6.....	Sharon Nall .....	New Hampshire Department of Environmental Services
7 .....	Keith Gardner .....	Stantec
7 .....	James Drake.....	CDM Smith
8.....	Jeff McBurnie .....	Casella Resource Solutions
8.....	Jeff Lemay .....	Town of South Windsor, CT
9.....	Andrew Elderbrock.....	Arcadis
9.....	Fiona Worsfold .....	Brown and Caldwell
10 .....	Amanda Sparks .....	Woodard & Curran
10 .....	Allie Greenfield .....	Woodard & Curran
11.....	Vonnie Reis .....	City of Melrose, MA
11.....	Joe Kietner.....	City of Westfield, MA
12.....	Brendan Doyle .....	BLD Services
12.....	Brad Hayes .....	Woodard & Curran
13.....	Denise Descheneau .....	Upper Blackstone Clean Water
13.....	Adam Yanulis.....	Tighe & Bond
14.....	Dennis Hallahan .....	Infiltrator Water Technologies
14.....	Chris Hayward.....	Pare Corporation
15.....	Caleb Shen .....	Thompson Pipe Group
15.....	Ben Levin.....	Hazen and Sawyer
16.....	Bill Boornazian .....	City of Portland, ME
16.....	James Plummer .....	New England Interstate Water Pollution Control Commission
17 .....	Amy Hunter.....	AECOM
17 .....	Meghan Otis .....	Weston & Sampson
18.....	Zach Henderson.....	Woodard & Curran
18.....	Natalie Pommersheim.....	Apex Companies
19.....	Chi Ho Sham.....	NEWEA Innovation Committee
19.....	Viktor Hlas.....	OptiRTC
20 .....	Sara White .....	UniFirst Corporation
20 .....	Matthew Dickson.....	Haley Ward

SESSION	MODERATOR	AFFILIATION
21.....	Maeve Carlson.....	Wright-Pierce
21.....	Meredith Zona.....	Stantec
22 .....	Mary Tchamkina.....	Raftelis
22 .....	Sadia Khan.....	Kleinfelder
23.....	Sarah Viola.....	Wright-Pierce
23.....	Nick Tooker.....	University of Massachusetts
24.....	Vanessa Borkowski.....	Stantec
24.....	Eric Spargimino.....	CDM Smith
25 .....	Dan Kramer.....	Hazen and Sawyer
25 .....	Adam Moskal.....	Woodard & Curran
26 .....	Chi Ho Sham.....	NEWEA Innovation Committee
26 .....	Viktor Hlas.....	OptiRTC
27.....	Don Gallucci .....	Wright-Pierce
27.....	Karla Sangrey .....	Upper Blackstone Clean Water
28 .....	John Bobrek .....	Bobrek Engineering
28 .....	Stephen King.....	Town of Danvers, MA
29 .....	Danielle Gallant .....	CDM Smith
29 .....	Kerry Reed.....	Town of Hopkinton, MA
30 .....	Adam Higgins.....	Wright-Pierce
30 .....	Jeff McBurnie .....	Casella Resource Solutions
31.....	Eric Kelley.....	Apex Companies
31.....	Maria Rose .....	Town of Brookline, MA
32.....	Emily Korot.....	CDM Smith
32.....	Uday Karra .....	Arcadis
33.....	Georgine Grissop.....	CDM Smith
33.....	Chris Perez.....	Woodard & Curran
34.....	David Michelsen .....	South Essex Sewerage District
34.....	Tracy Chouinard .....	Brown and Caldwell
35.....	Dennis Greene.....	New Hampshire Department of Environmental Services
35.....	Meredith Zona.....	Stantec
36.....	Laura Marcolini.....	Fuss & O'Neill
36.....	Ryan Buckley.....	New England Interstate Water Pollution Control Commission
37.....	Sara Greenberg.....	GHD
37.....	Sarah Nalven.....	VHB
38.....	Andrew Reid.....	New England Environmental Equipment
38.....	Michael Davis .....	Fuss & O'Neill
39.....	Justin Motta .....	Stantec
39.....	Prashanth Emmanuel .....	Tighe & Bond
40 .....	Jason Kreil.....	Woodard & Curran
40 .....	Addison Minott.....	Boston Water and Sewer Commission
41.....	Wayne Bates.....	Tighe & Bond
41.....	Maeve Carlson.....	Wright-Pierce
Plenary Session.....	Stephen Sanders.....	State University of New York

# Exhibitors

---

ABBA Pump Parts and Service

ADS Environmental Services

Aqua Solutions, Inc.

AquaPoint

Asahi/America, Inc.

Atlantic Fluid Technology Inc.

Barton & Loguidice

BAU/Hopkins

BioSafe Systems

BMC CORP

Boyson and Associates, LLC

Brown and Caldwell

C.N. Wood Enviro, LLC

CALUWE, Inc.

Carl Lueders & Company

Carlsen Systems, LLC

Casella Organics

Champlin Associates

CleanWay Environmental Partners, Inc.

Core & Main

Core & Main Water & Wastewater Supply

Corrosion Products New England

Coyne Chemical Environmental Services

CSI Controls & Primex Controls

CUES, Inc.

Delta Electro Power, LLC

Denali Water Solutions

Dewberry

DUKE'S

EJ-USA

EOSi (Environmental Operating Solutions, Inc.)

EST Associates, Inc.

F.R. Mahony & Associates

Flow Assessment Services

Flow Tech, Inc.

GA Fleet - Fleet Pump & Service

Geotree Solutions

Green Mountain Pipeline Services LLC / Insituform

Hach Company

Hayes Group - Hayes Pump, Inc. - Walker Wellington - Atlantic Pump & Engineering

Hazen and Sawyer

Hobas Pipe USA, Inc.

Holland Company, Inc.

IDEXX Laboratories, Inc.

Industrial Flow Solutions

J&R Sales and Service, Inc.

JWB Company

Kimley-Horn and Associates, Inc.

Kleinfelder

LandTech Consultants, Inc.

M.A. Selmon Company

Maltz Sales Company

Mass Tank

Mechanical Solutions, Inc.

Metro Valve & Actuation

minicam

# Exhibitors

---

National Water Main Cleaning Co.

New England Environmental  
Equipment, Inc.

Oakson

Omya, Inc.

Orenco Water

PipeAid

Polydyne, Inc.

Precision Trenchless, LLC

Pump Systems, Inc.

Resource Management, Inc.

RI Analytical Laboratories, Inc.

Russell Resources, Inc.

Savy & Sons

Scavin Equipment Co., LLC

Schneider Electric

Sealing Systems, Inc.

SewerAI

StormTrap

Sullivan Associates / RITEC  
Environmental

Synagro Northeast, LLC

Technology Sales

The Maher Corporation

Ti-SALES

Truax Corporation

United Concrete Products, Inc.

USABlueBook

VEGA Americas

Veolia

Vortex

Walker Wellington, A Hayes Pump  
Company

Wescor Associates, Inc.

Williamson Pump & Motor

Xylem / Flygt

*List as of 10/4/24*

# Training Contact Hours:

Technical sessions, keynotes, and exhibit hall approvals by participating New England States for Operator Recertification Training Hours are noted below. Professional Engineers registered for the conference may also attend technical sessions to fulfill state requirements for Professional Development Hours.

**To obtain TCHs please see session room moderators to scan into and out of sessions.**

**MA, NH, and RI:**

2.0 per session  
1.0 for Monday Keynote  
1.5 for Tuesday Plenary Session  
1.0 per day in Exhibit Hall

**CT:**

2.0 per session  
1.0 for Monday Keynote  
1.5 for Tuesday Plenary Session  
*Please note: the Exhibit Hall is NOT approved.*

**VT:**

2.0 per session  
1.0 for Monday Keynote  
1.5 for Tuesday Plenary Session  
*Please note: Sessions 11, 18, 22, 29, and 31 the Exhibit Hall are NOT approved.*

**ME:**

2.0 per session  
1.0 for Monday Keynote  
1.0 per day in Exhibit Hall  
*Please note: Sessions 2, 5, 11, 18, 22, 31, and 37 are NOT approved*

Please also note, Sessions 8, 13, 16, 27, 28, 29, 30 are approved for 2.0 and the Tuesday Plenary Session is approved for 1.5 "Management" TCHs - up to 6 TCHs per renewal cycle may be a combination of Safety and/or Management topics.



**New England Water Environment Association - Annual Conference & Exhibit**  
**January 26–29, 2025 | Boston Marriott Copley Place Hotel**



**NEWEA**

# ATTENDEE REGISTRATION RATES

**BEST RATE DEADLINE: FRIDAY, JANUARY 3, 2025**

CONFERENCE REGISTRATION/PRICING		BEST RATE before January 3		STANDARD RATE after January 3	
Full Conference Registration (select one below)		Member	Non Member	Member	Non Member
<input type="checkbox"/> Full Conference		\$520	\$750*	\$630	\$855*
<input type="checkbox"/> Academic/PWO/Young Professional (must have valid membership)		\$375	n/a	\$475	n/a
<input type="checkbox"/> NEWEA Regulatory Agency**		\$120	\$180	\$170	\$230
<input type="checkbox"/> WEF Retired/Life		\$25	\$25	\$5	\$25
One-Day Registration (select day you will attend)		Member	Non Member	Member	Non Member
<input type="checkbox"/> Single Day Attendee	<input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$299	\$375	\$350	\$395
<input type="checkbox"/> Academic/PWO/Young Professional	<input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$199	n/a	\$260	n/a
<input type="checkbox"/> NEWEA Regulatory Agency**	<input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$40	\$90	\$60	\$100
<input type="checkbox"/> WEF Retired/Life or Student (w/ID)	<input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$0	\$0	\$0	\$0
<input type="checkbox"/> Public Agency - Exhibit Hall Only	<input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$25	\$25	\$25	\$25
<b>Speaker:</b> Speakers receive a \$40 discount on registration fees (regulatory speakers are not eligible)					

\*Includes one-year NEWEA/WEF membership.

\*\*Must be employed at a Regulatory Agency: USEPA; CT DEEP; ME DEP; MA DEP; NH DES; RI DEM; VT DEC

SPECIAL EVENT TICKETS	BEST RATE	STANDARD
Young Professional Summit - Sunday, January 26th; 10AM-4PM	\$125	\$165
Guest/Spouse Package (incl. president/exhibit hall receptions)	\$100	\$135
5S Annual Meeting & Luncheon - Monday, January 27th; 12-2PM	\$55 (5S Members only)	\$85 (5S Members only)
Awards Luncheon & Ceremony - Wednesday, January 29th; 11AM-2PM	\$65	\$95

## REGISTRATION INFORMATION

[REGISTER ONLINE >>](#) BEST RATE DEADLINE: FRIDAY, JANUARY 3, 2025

All attendees are required to set up a verified account online. After your account is verified, you will be brought back to the registration page. Click Registration to Individual Registration or Group Registration. If you have any issues or questions, please contact [mail@newea.org](mailto:mail@newea.org)

QUESTIONS? Call the NEWEA office at 781-939-0908 or contact us at [mail@newea.org](mailto:mail@newea.org).

CANCELLATIONS: Must be submitted in WRITING by Friday, January 3, 2025. A 25% service fee will apply to all cancellations received before January 3; no refunds will be made on registration fees or special events after Friday, January 3. Due to Association agreements and guarantees, no refunds will be made on registration fees or special event tickets after Friday, January 3. Registration fees are forfeited if you are not able to attend the Conference.

New England Water Environment Association - Annual Conference & Exhibit  
January 26–29, 2025 | Boston Marriott Copley Place Hotel



## REGISTRATION INFORMATION

**ONLINE:** [www.annualconference.newea.org](http://www.annualconference.newea.org)

**EMAIL:** [mail@newea.org](mailto:mail@newea.org)

**PHONE:** 781-939-0908

**MAIL:** NEWEA, 10 Tower Office Pk  
Suite 601  
Woburn, MA 01801

**FAX:** 781-939-0907

Make checks payable to NEWEA

**PWO: Professional Wastewater Operator (PWO);** you must be a NEWEA/WEF PWO Member AND work on a day-to-day basis in a treatment plant, and are responsible for the operation of wastewater collection, treatment and/or laboratory.

**LIFE/RETIRED:** To qualify, requires a life or retired membership in NEWEA/WEF.

**REGULATORY AGENCY:** To qualify, you must have a NEWEA regulatory membership and be employed by either USEPA, CT DEEP, ME DEP, MA DEP, NH DES, RI DEM, or VT DEC.

**PUBLIC AGENCY:** To qualify, you must be employed by a federal, state or municipal agency (i.e. USEPA, MassDEP, etc.). Includes entrance only to Exhibit Hall Only & Opening Session. Not eligible for TCH credits.

**CANCELLATIONS:** Must be submitted in WRITING by Friday, January 5, 2024. A 25% service fee will apply to all cancellations received before January 5; no refunds will be made on registration fees or special events after Friday, January 5. Due to Association agreements and guarantees, fees are forfeited if you are not able to attend the Conference.

**CONFIRMATIONS:** Confirmations of receipt of registrations will be emailed prior to the conference.

**TAX DEDUCTION:** Treasury regulation 1.162-5 permits an income tax deduction for educational expenses (registration fee, cost of travel, meals and lodging) undertaken to maintain or improve skills required

## CONFERENCE EVENTS

### Sunday, January 26, 2025

10:00 AM–4:00 PM YP Summit - 4th Floor

### Monday, January 27, 2025

10:30 AM–6:30 PM Exhibits - 3rd and 4th Floor

8:30 AM–10:30 AM Technical Sessions 1–7

11:00 AM–12:00 PM Opening Session

2:00–4:30 PM Technical Sessions 8–14

4:30–6:30 PM Welcome Reception (3rd fl)

### Tuesday, January 28, 2025

8:00 AM–6:30 PM Exhibits - 3rd and 4th floor

8:00 AM–4:00 PM Innovation Exhibit Pavillion

8:30–11:00 AM Technical Sessions 15–21

11:00 AM–12:15 PM Tuesday Keynote Session

2:00–4:30 PM Technical Sessions 22–28

4:30–6:30 PM Meet/Greet Reception (4th fl)

### Wednesday, January 29, 2025

8:00 AM–1:00 PM Exhibits - 3rd and 4th floor

8:30–11:00 AM Technical Sessions 29-35

11:00-1:00PM Awards Luncheon Ceremony

1:00-3:00 PM Technical Sessions 36-41

**IMPORTANT:** The safety and welfare of attendees are a priority. All NEWEA is requiring all event participants to read and sign an risk and waiver of liability release. Individuals who test positive for COVID or fell unwell should not attend NEWEA's Annual Conference.

Visit [https://www.newea.org/events/health\\_safety/](https://www.newea.org/events/health_safety/) for more information.

## IMPORTANT INFORMATION

### BEST RATE DEADLINE: Friday, January 3, 2025.

Registrations postmarked after Friday, January 3, 2025 will automatically be charged the onsite registration rate.

**MEMBERSHIP STATUS:** NEWEA Membership must be current or the non-member rate will automatically be charged. Contact NEWEA at [mail@newea.org](mailto:mail@newea.org) to verify membership, renew/JOIN!

Membership is NOT transferrable.

## HOTEL INFORMATION

### Boston Marriott Copley Place

110 Huntington Avenue, Boston, MA 02116

**Accommodation Rate:** \$224++ (single)

**Group Rate Deadline: Friday, January 10, 2025.**

Reserve Online: [https://book.passkey.com/event/50810939/owner/249/home?utm\\_campaign=294250909](https://book.passkey.com/event/50810939/owner/249/home?utm_campaign=294250909) or Call the Marriott at 617-236-5800 or toll free at 888-236-2427. Group rates are subject to date and space availability

WHAT'S INCLUDED IN YOUR REGISTRATION?	Technical Session	Exhibit Hall	Monday Reception	Tuesday Reception	Wednesday Exhibit Brunch	Wednesday Award Lunch*
Full Conference	✓	✓	✓	✓	✓	
One Day	✓	✓	✓	✓	✓	
Life/Retired Members & Students	✓	✓	✓	✓	✓	
Public Agency		✓				

\*additional tickets may be purchased separately.

**ONE DAY REGISTRANTS:** Monday, Tuesday Reception and Wednesday Brunch are limited to the day you are registered for.

# **NEWEA 2025 Annual Conference & Exhibit**

## **January 26–29**

BOSTON MARRIOTT  
COPLEY PLACE  
BOSTON, MA

---

## **NEWEA**

10 Tower Office Park,  
Suite 601  
Woburn, MA 01801  
tel: 781-939-0908  
fax: 781-939-0907  
mail@newea.org  
newea.org