

New England
Water Environment
Association
presents

94th Annual Conference

Celebrating the 50th Anniversary of the Clean Water Act... *A Job Well Done!*

NEWEA 2023 Annual Conference & Exhibit

January 22 – 25

Boston Marriott Copley Place
Boston, Massachusetts



NEWEA
WORKING FOR WATER QUALITY

CONFERENCE PROGRAM

NEWEA 2023 Annual
Conference & Exhibit
Final Program
Schedule-at-a-glance

7 AM 8 AM 9 AM 10 AM 11 AM Noon 1 PM 2 PM 3 PM 4 PM 5 PM 6 PM 7 PM

Sunday
Jan. 22

YOUNG PROFESSIONAL SUMMIT—SALON E

EXECUTIVE COMMITTEE MEETING—SALON D-C-B-A

NEW COMMITTEE
CHAIR ORIENTATION—
VINEYARD/YARMOUTH

REGISTRATION—4TH FLOOR

EXHIBIT HALL SET-UP

Monday
Jan. 23

REGISTRATION—4TH FLOOR

SPEAKERS' READY ROOM

5-S LUNCH (INVITE)

EXHIBIT HALL RECEPTION
3RD FLOOR

CONTINENTAL BREAKFAST

YP LOUNGE



EXHIBIT HALL GRAND OPENING

3RD & 4TH FLOOR EXHIBIT AREA OPEN

BUSINESS MEETING—FALMOUTH

OPENING SESSION

FUTURE OF WATER WORKFORCE

COLLEGE STUDENT POSTER BOARD COMPETITION—3RD AND 4TH FLOOR

TECHNICAL SESSIONS 1 – 6

1. Young Professionals
2. Stormwater 1
3. Asset Management 1
4. Water Reuse
5. Residuals Management 1
6. Utility Management

TECHNICAL SESSIONS 7 – 12

7. Government Affairs 1
8. Collection Systems 1
9. Plant Operations 1
10. CSO/WWI 1
11. Diversity, Equity, & Inclusion
12. Industrial Wastewater

Tuesday
Jan. 24

REGISTRATION—4TH FLOOR

SPEAKERS' READY ROOM

KEYNOTE PRESENTATION

EXHIBIT HALL RECEPTION
4TH FLOOR

CONTINENTAL BREAKFAST

OPERATORS' RECEPTION

3RD & 4TH FLOOR EXHIBIT AREA OPEN

INNOVATION PAVILION—3RD FLOOR

TECHNICAL SESSIONS 13 – 18

13. Government Affairs 2
14. Collection Systems 2
15. Plant Operations 2
16. CSO/WWI 2
17. Residuals Management 2
18. Sustainability

TECHNICAL SESSIONS 19 – 24

19. Government Affairs 3
20. Stormwater 2
21. Plant Operations 3
22. Contaminants of Emerging Concern 1
23. Asset Management 2
24. Watershed Management 1

**TECHNICAL SESSION
ROOM ASSIGNMENTS**

- | | |
|---------------|---------------|
| 1. Suffolk | 18. Wellesley |
| 2. Salon A/B | 19. Salon A/B |
| 3. Salon C/D | 20. Salon C/D |
| 4. Simmons | 21. Suffolk |
| 5. Ptown | 22. Simmons |
| 6. Wellesley | 23. Wellesley |
| 7. Salon C/D | 24. Ptown |
| 8. Suffolk | 25. Ptown |
| 9. Simmons | 26. Salon C/D |
| 10. Salon A/B | 27. Suffolk |
| 11. Ptown | 28. Salon A/B |
| 12. Wellesley | 29. Simmons |
| 13. Salon A/B | 30. Salon A/B |
| 14. Salon C/D | 31. Suffolk |
| 15. Suffolk | 32. Simmons |
| 16. Simmons | 33. Salon C/D |
| 17. Ptown | 34. Ptown |

Wednesday
Jan. 25

REGISTRATION—4TH FLOOR

SPEAKERS' READY ROOM

AWARDS CEREMONY—4TH FLOOR

EXHIBIT AREA BRUNCH



ADJOURN

3RD & 4TH FLOOR EXHIBIT AREA OPEN

TECHNICAL SESSIONS 25 – 29

25. Collection Systems 3
26. Stormwater 3
27. Plant Operations 4
28. Contaminants of Emerging Concern 2
29. Small Community

TECHNICAL SESSIONS 30 – 34

30. Collection Systems 4
31. CSO/WWI 3
32. Energy
33. Watershed Management 2
34. Public Awareness

KEY

3rd floor rooms
are Colleges,
Universities, and
Boston Streets.
4th floor rooms
are salons and
Cape Cod Towns.

Miscellaneous Events & Committee Meetings

Sunday, January 22, 2023		
Young Professionals (YP) Summit	Salon E	9 AM – 4:00 PM
Committee Chair & Council Director Orientation	Vineyard/Yarmouth	10:00 AM – Noon
Executive Committee	Salon D – C – B – A	12:30 – 4:00 PM
Monday, January 23, 2023		
Journal Committee	Orleans	7:00 – 8:00 AM
NEWEA Business Meeting	Falmouth	8:00 – 8:30 AM
Awards Committee	Orleans	8:30 – 10:00 AM
Future of Water Workforce Workshop	Vineyard	8:30 – 10:30 AM
Gov't Affairs Committee	Regis	9:00 – 10:30 AM
Laboratory Practices Committee	Nantucket	9:00 – 10:30 AM
CSO/Wet Weather Issues Committee	Falmouth	12:00 – 1:00 PM
Residuals Management Committee	MIT	12:00 – 1:00 PM
Young Professionals Committee (RSVP required)	Legal Seafoods	12:00 – 1:00 PM
Plant Operations Committee	Hyannis	12:10 – 1:10 PM
Asset Management Committee	Orleans	12:15 – 1:15 PM
Energy Committee	Regis	12:30 – 2:00 PM
Water Reuse Committee	Nantucket	1:00 – 1:30 PM
Joint Workforce Development & Utility Mgmt.	Vineyard/Yarmouth	2:30 – 3:30 PM
Tuesday, January 24, 2023		
Stormwater Committee	Regis	7:30 – 8:30 AM
PFAS Task Force	Vineyard/Yarmouth	8:00 – 9:30 AM
Affiliated State Association Leadership	Vineyard/Yarmouth	9:30 – 10:30 AM
Exhibits Roundtable	Fairfield	9:30 – 10:30 AM
Membership Committee	Falmouth	10:00 – 10:30 AM
Sponsor Committee	Orleans	10:00 – 11:00 AM
Operations Challenge Committee	Harvard	10:30 – 11:30 AM
Youth Education Committee	Falmouth	12:00 – 1:00 PM
Watershed Management Committee	Yard House	12:00 – 1:30 PM
Collection Systems Committee	Vineyard/Yarmouth	12:15 – 1:15 PM
Program Committee	Yard House	12:30 – 1:30 PM
Sustainability Committee	MIT	12:30 – 1:30 PM
Assessment and Development Committee	Nantucket	2:00 – 3:30 PM
NEWEA/NEWWA/NEAPWA Leadership	Orleans	2:00 – 3:30 PM
Industrial Wastewater Committee	Falmouth	3:00 – 4:00 PM
Contaminants of Emerging Concern Committee	Orleans	4:30 – 5:30 PM
Wednesday, January 25, 2023		
Photo Ready Room	3rd Floor Atrium	9:00 – 10:00 AM
Award Ceremony & Lunch	Salon E	11:00 AM
Speaker Ready Room (M, T, W)	Hyannis	7:30 AM



Frederick McNeill
NEWEA President



Lauren Hertel,
*NEWEA Program
Committee Chair*

Welcome to the 2023 NEWEA Annual Conference!

We are thrilled to be hosting our first all-in person conference since January 2020. We appreciate our attendees, exhibitors, and sponsors for their continued support of our association as we have navigated several challenging years.

This year's event features 34 technical sessions, a Student Poster Competition showcasing the work of water quality undergraduates and graduates, the Innovation Pavilion, and two floors of exhibitors highlighting the industry's latest products and services.

This past year, we have celebrated the 50th anniversary of the Clean Water Act and the tremendous achievements of the water industry during these last five decades. This year's conference will be the culminating event in this yearlong commemoration of the most significant piece of Federal legislation ever passed to protect our water resources.

The conference commences on Monday with six concurrent technical sessions on key industry issues in the morning and afternoon. The Opening Session at 11:00 AM will convene attendees to hear from NEWEA and WEF leadership and our 2023 Keynote, EPA Region 1 Administrator Dr. David Cash. Undergraduate and Graduate students will present their 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 offering morning and afternoon Plant Operations technical sessions, as well as the Operators' Reception. To continue celebrating the achievements of the Clean Water Act and consider what's to come in the next 50 years, a keynote session will be held from 11:00 AM to 12:15 PM. Attendees can meet with emerging water industry innovators and learn about their technologies at the fifth annual Innovation Pavilion, taking place in the 3rd Floor Atrium from 8:00 AM to 4:00 PM. The day concludes with an Exhibit Hall Reception on the 4th floor.

The final day of the conference features a full day of technical sessions and exhibits, our lunch-time awards ceremony recognizing outstanding efforts in our industry, and the passing of the gavel to the 2023 NEWEA President, Robert Fischer of South Burlington, VT. We hope you take advantage of all the 2023 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, and Heather Howard. Thank you for your dedication, energy, professionalism, new ideas, and patience in planning and coordinating this great event every year!

Frederick McNeill, NEWEA President

Lauren Hertel, NEWEA Program Committee Chair

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 WEF Delegate (10/19) Peter Garvey
 WEF Delegate (10/20) Ray Vermette
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 Committee Member Appreciation Committee John Bobrek
 Nominating Committee Ray Vermette
 Sponsor Committee Brian Olsen

NEWEA 2022 COUNCILS (CONTINUED)

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Conference Arrangements Committee Ronald Tiberi
 Exhibits Committee Paul Russell
 Program Committee Lauren Hertel
 Registration Committee Meg Tabacsko

Communications Council

Journal Committee Jennifer Lawrence
 Public Awareness Committee Faye DeMoura
 Youth Education Committee Danielle Gallant

Treatment, Systems Operations, & Management Council

Asset Management Committee Matt Manchisi
 Contaminants of Emerging Concern Committee Amy Hunter
 Energy Committee Tracy Chouinard
 Laboratory Practices Committee Danielle Morrison
 Operations Challenge Committee Jason Swain
 Plant Operations Committee John Adie
 Residuals Management Committee Eric Spargimino
 Small Community Committee Ian Catlow
 Utility Management Committee Art Simonian

Collection Systems/Water Resource Council

Collection Systems Committee Scott Lander
 CSO/Wet Weather Issues Committee Josh Schimmel
 Industrial Wastewater Committee Rebecca Weidman
 Stormwater Committee Kate Edwards
 Sustainability Committee Wayne Bates
 Water Reuse Committee Bruce Douglas
 Watershed Management Committee Sara Greenberg

Outreach Council

Government Affairs Committee Scott Firmin
 Membership Committee Garrett Bergey
 Safety Committee David Horowitz
 Scholarships Committee Annalisa Onnis-Hayden
 Student Activities Committee Joanna Sullivan
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Innovation Council

Innovation Committee* Marianne Langridge
 I/A OWTS Task Force Bruce Walton

* Ad hoc

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Help Build Congressional Support for Clean Water in New England

*Join NEWEA at the National Water Week—
D.C. Fly-In, April 25–26, 2023*

The NEWEA Congressional Briefing

is the annual hallmark for the Association and its government affairs program. Mark your calendar to join us on April 25–26, 2023. This is a great opportunity for our membership and elected officials to join together to discuss water, wastewater and stormwater infrastructure issues facing communities of the Northeast.

We look forward to meeting with you and providing you with the latest information affecting our industry. Your involvement is critical—come to D.C. and be heard.

Attending the Briefing will allow:

- Opportunities to meet with senators, representatives, and legislative staff
- Substantive discussion of federal clean water legislative initiatives and opportunities to provide feedback related to the impact that these initiatives have on our communities and the water quality industry
- A forum for presentation and discussion of the NEWEA Position statements
- Opportunities to learn about key federal regulatory initiatives
- A forum to provide comments directly to regulatory leaders from EPA's Washington, D.C. Headquarters.

In addition to the Briefing Lunch, an important part of this day is holding individual meetings with senators and representatives on the Hill. If you plan to attend the briefing, the Government Affairs Committee will work with you to schedule these individual appointments.

BECOME A WATER ADVOCATE

Make your voice heard even before you get to DC by **becoming a Water Advocate**. WEF's Water Advocates program empowers you to share your knowledge and expertise to inform government decision-makers about the importance of water.

Visit bit.ly/wef-water-advocates to enroll.

For more information call: Scott Firmin (207-774-5961 Ext. 3077) or Mary Barry (781-939-0908)

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NEWEA & NYWEA Joint Spring Meeting

One Water: All for One and One for Water

Call for Presentations and Papers

June 6–9, 2023

Saratoga Hilton and City Center
Saratoga Springs, NY

NEWEA and NYWEA invite the submission of abstracts

for professional papers or presentations at their 2023 Spring Meeting. NEWEA's annual meeting, which is co-hosted with NYWEA every five years, consistently attracts more than 400 engineers, consultants, scientists, operators, and students and features a variety of technical sessions, a tour, exhibitor displays, and the Operations Challenge competition. It provides an opportunity for professional exchange of information and state-of-the-art concepts in wastewater treatment and water environment issues.

Visit <https://www.nywea.org/Lists/Abstracts22/NewForm.aspx> to complete the online abstract submittal form

Abstract submission deadline: February 3, 2023

For more information contact:

NEWEA office: 781-939-0908

mail@newea.org

NYWEA office: 315-422-7811

info@nywea.org



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New England Water Environment
Association Presents

Celebrating the 50th Anniversary of the Clean Water Act... *A Job Well Done!*

NEWEA 2023 Annual Conference & Exhibit

January 22–25, 2023

Boston Marriott Copley Place, Boston, MA

Conference Events

Sunday, January 22

Young Professionals Summit (Salon E)	9:00 AM–4:00 PM
New Committee Chair and Council Director Orientation	10:00 AM–Noon
(Vineyard/Yarmouth)	
Executive Committee Meeting (Salon D-C-B-A)	12:30–4:00 PM
Registration (4th Floor).....	Noon–4:00 PM
Exhibit Hall Set-Up	Noon–6:00 PM

Monday, January 23

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Ready Room (Hyannis)	7:30–8:30 AM
Coffee and Continental Breakfast (3rd Floor Atrium)	7:30–9:00 AM
Young Professionals Lounge (Boston University).....	7:30–9:00 AM
The YP Committee will be hosting a Young Professionals Lounge	
YP Committee Chair: Daryl Coppola, FR Mahony	
NEWEA Annual Business Meeting (Falmouth).....	8:00–8:30 AM
Welcome and Opening Remarks: Frederick McNeill, NEWEA President/City of	
Manchester, NH—Presentation and vote on 2023 Slate of NEWEA Officers	
<i>See description on page 36</i>	
Technical Sessions 1–6	8:30–10:30 AM
<i>See descriptions beginning on page 18</i>	
Workshop—Flowing into the Future of the Water Workforce	8:30–10:30 AM
<i>See description on page 16</i>	
College Student Poster Board Competition	9:00 AM–3:30 PM
Coordinator: Joanna Sullivan, VHB • Session with authors	
12:30–2:00 PM	
<i>See description on page 38</i>	

Monday, January 23 continued

Exhibit Hall Grand Opening	10:30 AM
Paul Russell, Exhibits Committee Chair; Frederick McNeill, NEWEA President	
Grand opening will take place at the main entrances of both the 3rd and 4th floor	
exhibit areas	
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. <i>See list of exhibitors (as of 1/22/23) on pages 47-77</i>	
Opening Session (Salon E).....	11:00 AM–Noon
<i>See description on page 15</i>	
Select Society of Sanitary Sludge Shovelers' Lunch	Noon–2:00 PM
by invitation—Charles Tyler, Influent Integrator (Tremont)	
Technical Sessions 7–12	2:00–4:30 PM
<i>See descriptions beginning on page 21</i>	
Exhibit Hall Break	3:00–3:30 PM
Exhibit Hall Reception (3rd Floor Exhibit Area)	4:30–6:30 PM

Tuesday, January 24

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Ready Room (Hyannis)	7:30–8:30 AM
Coffee and Continental Breakfast (3rd Floor Atrium)	7:30–9:00 AM
Exhibits (3rd and 4th Floor Exhibit Areas)	8:00 AM–6:30 PM
Technical Sessions 13–18	8:30–11:00 AM
<i>See descriptions beginning on page 24</i>	
Innovation Pavilion	9:00 AM–4:00 PM
<i>See description on page 37</i>	
Exhibit Hall Break	9:30–10:00 AM
Tuesday Keynote Presentation (Salon E)	11:00 AM–12:15 PM
<i>Clean Water 50th Anniversary—The Next 50 Years: Communication, Climate,</i>	
<i>Innovation and Investment</i> (panel discussion) <i>See description on page 17</i>	
Operators' Reception (Clarendon/Exeter).....	12:15–1:45 PM
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	
Technical Sessions 19–24	2:00–4:30 PM
<i>See descriptions beginning on page 27</i>	
Exhibit Hall Break	3:00–3:30 PM
Exhibit Hall Reception (4th Floor Exhibit Area)	4:30–6:30 PM

Wednesday, January 25

Registration (4th Floor).....	7:30 AM–2:00 PM
Speakers' Ready Room (Hyannis).....	7:30–8:30 AM
Exhibits (3rd and 4th Floor Exhibit Areas).....	8:00 AM–1:00 PM
Technical Sessions 25–29	8:30–11:00 AM
<i>See descriptions beginning on page 30</i>	
Exhibit Hall Break	9:30–10:00 AM
NEWEA Awards Ceremony and Lunch (Salon E).....	11:00 AM–1:00 PM
Ticket required	
Exhibit Area Brunch	11:00 AM–1:00 PM
The exhibit area brunch will be held in both the 3rd and 4th floor exhibit areas	
Technical Sessions 30–34	1:00–3:00 PM
<i>See descriptions beginning on page 33</i>	
Adjourn	3:00 PM



Monday 11:00 AM–Noon

Moderator:
Lauren Hertel,
NEWEA Program Chair
Woodard & Curran

Salon E



David Cash

Opening Session

Welcome:

Frederick McNeill, NEWEA President
City of Manchester, NH

Keynote Speaker:

David Cash, Regional Administrator EPA New England

David W. Cash has spent his career in public service harnessing science, innovative policy and participatory decision-making to solve challenges and seize opportunities at the intersection of environment, economy and equity.

Prior to coming to EPA, Dr. Cash was the Dean of the John W. McCormack Graduate School of Policy and Global Studies at the University of Massachusetts Boston.

Dr. Cash also spent a decade in Massachusetts state government where he held a range of senior positions, working to transform the Commonwealth's environmental and energy policy. As Assistant Secretary of Policy in the Executive Office of Energy and Environmental Affairs in Governor Deval Patrick's Administration, he was an architect of a range of nation-leading climate, clean energy and environmental justice policies. All of these initiatives were grounded in the notion that wise environmental policy, economic policy and policies for equity can and should go hand-in-hand. He then served as a Commissioner in the Department of Public Utilities, followed by serving as the Commissioner of the Department of Environmental Protection. With this experience of being both an environment and an energy commissioner, he had the unique perspective of understanding the importance of breaking down silos and focusing on complex issues in much more comprehensive and integrative ways.

Dr. Cash holds a PhD in public policy from the John F. Kennedy School of Government at Harvard University, a science teaching degree from Lewis & Clark in Portland, OR, and a BS in biology from Yale.

Dr. Cash's biography is also available on EPA New England's website: <https://www.epa.gov/aboutepa/about-administrator-epas-new-england-region-region-1>

Monday
8:30–10:30 AM

Moderators:
Joanna Sullivan, VHB
Annalisa Onnis-Hayden,
Northeastern University
Nick Tooker,
University of Massachusetts
Stephen King,
Town of Danvers, MA

Vineyard

Hosted by NEWEA's
DE&I and Student
Activities Committees

Workshop: Flowing into the Future of the Water Workforce

WEF's "Introducing Future Leaders to Opportunities in Water" (INFLOW) program aims to bring diverse young leaders into the water industry by providing scholarships to students from historically underrepresented backgrounds to attend WEFTEC programming. Several NEWEA Committees are collaborating to craft a similar program tailored to New England, and we need your help!

Join our interactive workshop to develop a sustainable and effective program in New England. The goal of this program is to recruit and retain young leaders to help develop the water workforce of the future.

This will be a two-hour working meeting that will encourage collaboration and discussion among attendees. We are looking for feedback from a diverse range of stakeholders. Professionals from all backgrounds are encouraged to attend.

This workshop is being provided at no extra cost but space is limited. Please see NEWEA's onsite registration desk to sign up.

Tuesday
11:00 AM–12:15 PM

Moderators:
Emily Cole-Prescott,
City of Saco, ME
Zach Henderson,
Woodard and Curran

Salon E

Tuesday Keynote Presentation

Clean Water 50th Anniversary— The Next 50 Years: Communication, Climate, Innovation and Investment

Throughout 2022, NEWEA commemorated the 50th anniversary of the Clean Water Act by coordinating a number of panel discussions, technical sessions, and articles to highlight the significant improvements to our water environment during this last half a century.

Now, we are looking ahead to consider the future of the Clean Water Act and our industry. Although there have been remarkable achievements during these last 50 years, there are current and emerging challenges threatening our water resources 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 preserve our water resources.

Join us as a panel of experts discuss funding, environmental stewardship and planning, public outreach/awareness, and partnerships, as well as innovating to transform our industry and environment. 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 Clean Water Act and the water industry.

Panelists:

Ifetayo Venner, WEF
Howard Carter, City of Saco, ME
Alison Bowden, The Nature Conservancy
Diana Youssef, Change Water Labs
Diana Nelson, Black Fly Media
Kamal Daghistani, Spring Lane Capital

Monday
8:30–10:30 AM

Session 1

Young Professionals— The Future of the Industry

Moderators:

Jaimie Payne, BETA Group
Victoria Helle, NEIWPCC

Suffolk

Session 2

Stormwater 1: Preparing for the Future—Stormwater Quality and Quantity

Moderators:

Eric Kelley,
Environmental Partners
Maria Rose,
Town of Brookline, MA

Salon A/B

Technical Sessions 1–6

Harmonization of Water Industry Trends to Drive Innovation of Analytics

Ryan Flood, Water Analytics

Planting the Seeds for Young Professional Development through the Roots of Arcadis Program

Baxter Miatke, Arcadis

The Next Generation of Operators—Recruitment and Retainage

Robert Roland, Weston & Sampson

ESG 101: Why and How Water Utilities are Shifting from Sustainability Reports to ESG Reporting

Karri Ving, Brown and Caldwell

Matthew Ries, DC Water

Rosaleen Nogle, Buffalo Sewer Authority

Mary Tchamkina, Raftelis

Assessing Extreme Storm Event Inundation in Boston Using Spatial Rainfall—2-dimensional Dynamic Flood Modeling and Innovative Visualization Tools

Ben Agrawal, Hazen and Sawyer

Charles Wilson, Hazen and Sawyer

Charlie Jewell, BWSC

John Sullivan, BWSC

Mitigating High-Flows and Improving Water Quality in a Stormwater Impaired Brook

James Sherrard Jr., City of Burlington, VT

Dayton Marchese, Opti RTC

Stormwater Phosphorus Load and BMP Tracking in Brookline

Sam Downes, Town of Brookline, MA

Matthew Davis, Brown and Caldwell

Stephanie Alimena, Brown and Caldwell

The Port Flooding Resiliency Project—Safeguarding At-Risk Populations from the Effects of Climate Change

Kate Goyette, Kleinfelder

David VanHoven, Stantec

Jerry Friedman, City of Cambridge, MA

Monday
8:30–10:30 AM

Session 3

Asset Management 1: Let's Get [Pro] Active with Asset Management!

Moderators:

Matt Manchisi, Kimley Horn
Eliza Styczynski, NHDES

Salon C/D

Session 4

Water Reuse— Today and Tomorrow

Moderators:

Nick Ellis,
Hazen and Sawyer
Meredith Zona, Stantec

Simmons

Technical Sessions 1–6

New York Stated Department of Environmental Conservation's Asset Management Pilot Program

Timothy Taber, Barton & Loguidice

Validating the Long-Term Cost-Effectiveness of Proactive Asset Renewal

Brian Brown, CDM Smith

Jason Waterbury, The MDC

What Everyone Should Know About Asset Management—an Expert Panel Discussion

Panelists:

John Fortin, Salem and Beverly Water Supply Board

Kevin Campanella, Burgess & Niple

John Jackman, Hoyle, Tanner & Associates

How Long Will That Force Main Last? A Planning Approach for Evaluating, Assessing, and Rehabilitating Ductile Iron Force Mains

Andrew Grotta, Environmental Partners

Ziad Kary, Environmental Partners

MBR for Potable Reuse—Validation of a Full-Scale Flat Plate Membrane Bioreactor for Virus and Protozoa Removal

Larry Morris, Kubota

Mike Sullivan, Carlsen Systems

Our wAAtter Program—Implementing Indirect Potable Reuse in Maryland

Ramola Vaidya, HDR

Using Electricity to Disinfect—Sparks Fly with O₃ & UV—Is Reuse in your Future?

Bruce Stevens, SUEZ

William Nezgod, SUEZ

Achieving Enhanced Nutrient Removal with AquaNereda® Aerobic Granular Sludge

Joe Tardio, Aqua-Aerobic

Monday
8:30–10:30 AM

Session 5

Residuals Management 1: PFAS Impacts on Biosolids

Moderators:

Janine Burke-Wells, NEBRA
Eric Spargimino, CDM Smith

Provincetown

Session 6

Utility Management: Fresh Ideas in Utility Management

Moderators:

Art Simonian,
The Mattabassett District
Karla Sangrey,
Upper Blackstone

Wellesley

Technical Sessions 1–6

Maine—the First State to Ban Sludge Beneficial Reuse and its Immediate Impacts on WWTFs

Chris Dwinal, Wright-Pierce
Robert Pontau, Town of Brunswick, ME

Land to Landfill—How Presque Isle Utilities District Changed its Handling of PFAS-Containing Biosolids

Julianne Page, Woodard & Curran
Krista Forti, Woodard & Curran

Innovations with Biosolids Process Technologies

Charles Goss, AECOM

Gasification and Pyrolysis of Sewage Sludge Biomass

Philip Pedros, Mott MacDonald

Who Wants to Buy a Sewer System?

Adam Simonsen, Aquarion

Developing the Workforce Through Your Local School System

Phil Tucker, York Sewer District
Theresa Tucker, York Sewer District

Optimizing a Capital Improvement Program—How to Measure and Improve Effectiveness

Stephen King, Hazen and Sawyer

New England NPDES Permits are Out-of-step with the Rest of the Country

Paul Calamita, AquaLaw

Monday
2:00–4:30 PM

Session 7

Government Affairs 1: Regulatory Roundtable

Moderators:

Scott Firmin,
Portland Water District
Jeff McBurnie,
Casella Resource Solutions

Salon C/D

Session 8

Collection Systems 1: Pump Up the Volute

Moderators:

Jim Barsanti,
Hazen and Sawyer
Kara Johnston, CDM Smith

Suffolk

Technical Sessions 7–12

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:

Ivonne Hall, CTDEEP
James Crowley, MEDEP
Joseph Haberek, RIDEM
Amy Polaczyk, VTDEC
Kathleen Baskin, MassDEP
Tracy Wood, NHDES

Rebuild or Replace? It Depends

Erik Meserve, AECOM
Zachary Cronin, City of Portsmouth, NH
Peter Rice, City of Portsmouth, NH
Jon Pearson, AECOM

Understanding Sewer Slope Transitions— Reduces Odor/Corrosion Impacts!

Richard Pope, Hazen and Sawyer

The Adventures of Large Diameter Force Main Pigging

Jonnas Jacques, Kleinfelder
Dave Peterson, Kleinfelder
Rob Schultz, City of Newport, RI

I Wonder What's Down Under? Condition Assessment and Rehabilitation of Critical Sewer Siphons

David Polcari, CDM Smith

Exhibit Hall Break

3:00–3:30 PM

Monday
2:00–4:30 PM

Session 9

**Plant Operations 1:
Troubleshooting,
Issues, and Creative
Solutions in Facility
Upgrades**

Moderators:

Adam Higgins,
Wright-Pierce
Patty Chesebrough,
NEIWPCC

Simmons

Session 10

**CSO/WWI 1:
CSO Program Update—
From Implementation
to Water Quality
Benefits**

Moderators:

Jason Kreil,
Woodard & Curran
Steve Perdios, Dewberry

Salon A/B

Exhibit Hall Break

3:00–3:30 PM

Technical Sessions 7–12

**A Tale of Two Processes—How The Metropolitan
District's Wet Weather Process Expansion Program
Led to Overall Plant Improvements**

Brian McGuire, Arcadis
Jeff Bowers, The MDC

**Teaching an Old Dog New Tricks—Troubleshooting &
Optimizing Chlorine Disinfection Systems**

Brian Hilts, CDM Smith

**Keeping the Aeration Train Rolling Through
Turbulent Times—Hampton, NH WWTP Phase 1
Upgrade**

Philip McHenry, Wright-Pierce
Michael Carle, Town of Hampton, NH

**Force Main Break During Construction Adds to
Complexity of Difficult Project**

Doug Hankins, Wright-Pierce
Matthew Hross, Hazen and Sawyer

**Narragansett Bay Commission CSO Abatement:
Water Quality Improvements Following Completion
of Phase II**

Eliza Moore, Narragansett Bay Commission

**Massachusetts Water Resources Authority's Journey
from Long-term Control Plan to Post-Construction
Compliance Monitoring Program**

Erika Casarano, AECOM
Don Walker, AECOM
Greg Heath, AECOM
Jeremy Hall, MWRA

**Incorporating Community Based GSI Solutions into a
Large Scale CSO Program**

Brandon Blanchard, Pare Corporation
Brian Kuchar, Horsley Witten
Christopher Feeney, Stantec
Kathryn Kelly, Narragansett Bay Commission
Peter Georgetti, Pare Corporation

**CSO Mitigation, Wet Weather Flows, and Regulatory
Compliance—a Look into Fitchburg's Collection
System Rehabilitation Plan**

Frank Occhipinti, Weston & Sampson
Nicholas Erickson, City of Fitchburg, MA

Monday
2:00–4:30 PM

Session 11

**Diversity, Equity, &
Inclusion: Engagement
of DE&I Sustainable
Strategies for Workforce
Talent Acquisitions and
Retention**

Moderators:

Stephen King,
Town of Danvers, MA
Marina Fernandes,
Town of Milton, MA

Provincetown

Session 12

**Industrial Wastewater:
What's in your
Industrial Wastewater**

Moderators:

Matt Dickson, Haley Ward
Sarah White, UniFirst

Wellesley

Exhibit Hall Break

3:00–3:30 PM

Technical Sessions 7–12

**Developing a Racial Equity Lens at
Woodard & Curran—a Panel Discussion Q&A**

Panelists:

Rachel Gilbert, Woodard & Curran
Julia Wahl, Woodard & Curran
Sue Guswa, Woodard & Curran
Jay Sheehan, Woodard & Curran

**Application of DE&I Initiatives to Drive Successful
Community Outreach**

Udayarka Karra, Arcadis
Allison Zeoli, Arcadis

Bridging Differences to Inclusion

Jasmine Strout, Green International
Ko Ishikura, Green International

**Implementing a Smart Industrial Pretreatment
Monitoring Network**

Scott Simpson, Brown and Caldwell

**Can You Accept That Industrial Discharge?
Let's Test It!**

Leigh-Ann Dudley, Dewberry
Katie Jones, Dewberry

**Boston Groundwater Trust (BGWT): Wood Piles &
Groundwater the Important Relationship**

Christian Simonelli, Boston Groundwater

**Breaking the Chain—PFAS Intervention in the One
Water Cycle**

Rosa Gwinn, AECOM

Tuesday
8:30–11:00 AM

Session 13

Government Affairs 2

Moderators:
Scott Firmin,
Portland Water District
Jeff McBurnie,
Casella Resource Solutions

Salon A/B

Session 14

Collection Systems 2: Digging on the Dock of the Bay

Moderators:
Peter Garvey, Dewberry
John Digiacomo,
Town of Natick, MA

Salon C/D

Exhibit Hall Break
9:30–10:00 AM

Technical Sessions 13–18

State Revolving Funds and the Bipartisan Infrastructure Law

US EPA's SRF team will present on the Bipartisan Infrastructure Law and its opportunities and implementation for the State Revolving Fund. Topics will include but are not limited to financing, eligibility, and the similarities and differences between the domestic preference requirements, specifically the American Iron and Steel requirement and the Build America, Buy America Act. The presentation will also include a Q&A period.

Presenters:
Leslie Corcelli, EPA Office of Wastewater Management
Kelly Tucker, EPA

Provincetown's Wastewater System Implementation Using Design-Build-Operate—20 Years Later

Paul Millett, Environmental Partners
Robert Adams, AECOM

A Tite Fit—Novel Sliplining of Nahant's Force Main

Stephanie Salerno, Wright-Pierce

Route 28 East Sewer Expansion Project in Barnstable, MA—the Cornerstone of the Future for a Cape Cod Community

Michael Paulin, Weston & Sampson
William Chandler, Weston & Sampson

Adapting Wastewater Infrastructure to Changing Flood Vulnerabilities—Southeastern Massachusetts Case Studies

Sara Greenberg, GHD
Anastasia Rudenko, GHD

Tuesday
8:30–11:00 AM

Session 15

Plant Operations 2: Optimizing Energy Use in Biological Nutrient Removal

Moderators:
Claudia Buchard,
Woodard & Curran
Nick Tooker, University of
Massachusetts

Suffolk

Session 16

CSO/WWI 2: Tunneling Challenges for Wet Weather Programs

Moderators:
Mike Arnes, IDEX
Keith Gardner, Stantec

Simmons

Exhibit Hall Break
9:30–10:00 AM

Technical Sessions 13–18

More than Just Energy Savings— Understanding the Benefits of Low DO Operation

Varun Srinivasan, Brown and Caldwell

How's Brockton Doing? Two Years of Process Optimization to Achieve 3 mg/L TN

William McConnell, CDM Smith

Combating Costly Nitrogen Credits and Kilowatt Hours in Connecticut—the Story of Greenwich's Full-Scale, “Smart” Ammonia-Based Aeration Control Pilot

Alyssa Beck, Town of Greenwich, CT
Isabella Silverman, CDM Smith
Matthew Lick, CDM Smith

Utilization and Practical Optimization Strategies of Full-Scale Ammonia-based Aeration Control at Bonnybrook Wastewater Treatment Plant

Mehran Andalib, Stantec

NBC Pawtucket CSO Tunnel—by Diameter North America's Largest CSO Storage Tunnel

Kate Mignone, AECOM
Kathryn Kelly, Narragansett Bay Commission

Balanced Treatment and Storage Efficiently Control Combined Sewer Overflows

Kevin Trainor, Woodard & Curran
Erik Osborn, Woodard & Curran

Crossing the Connecticut River—Big Pipes and Endangered Prehistoric Fish

Gus O'Leary, Kleinfelder
Jason Lavoie, Kleinfelder

Case History—Design and Construction of 5,100 LF of Soft Ground Microtunneling in Hartford, CT

Thomas Loto, AECOM
James Sullivan, AECOM
Andrew Perham, The MDC

Tuesday
8:30–11:00 AM

Session 17

Residuals Management 2: Residuals Operations

Moderators:
Justin Motta, Stantec
Mike Theriault,
Wright-Pierce

Provincetown

Session 18

Sustainability: Closing in on a Circular Economy

Moderators:
Wayne Bates, Tighe & Bond
Miles Moffatt, Tighe & Bond

Wellesley

Technical Sessions 13–18

Annual 503 Biosolids Reports— What Are They Good For?

Mickey Nowak, MAWEA (retired)

Comparison of P Recovery with Struvite and Brushite Recovery

Sara Arabi, Stantec
Parnian Izadi, Stantec

Putting the Principles of Sustainability and Resiliency into Practice—the GLSD Organics to Energy Project

Ben Mosher, CDM Smith
Mike Walsh, CDM Smith

Polymer/Flocculant 101: Fundamentals of Thickening and Dewatering

Yong Kim, UGSI

New Technologies Open Doors for Chitosan Applications

Jenn Wood, Tidal Vision

Sustainable Solution to Street Sand

Jeff Mercer, Wright-Pierce
Tim Vadney, Wright-Pierce

Data Analytics Tools for Tracking Sustainability Goals and Improving Energy Performance

Elizabeth Watson Keddy, Hazen and Sawyer

Full-scale MABR Experience— Case Studies of Process Intensification

Jean Gagnon, Veolia

Exhibit Hall Break
9:30–10:00 AM

Tuesday
2:00–4:30 PM

Session 19

Government Affairs 3: Infrastructure Planning Workshop

Moderators:
Scott Firmin,
Portland Water District
Jeff McBurnie,
Casella Resource Solutions

Salon A/B

Session 20

Stormwater 2: Innovations in Green Infrastructure

Moderators:
Natalie Pommersheim,
Environmental Partners
Joe Keitner,
City of Westfield, MA

Salon C/D

Exhibit Hall Break
3:00–3:30 PM

Technical Sessions 19–24

Making the Right Choices for Your Utility— Using Community Priorities and Sustainability Criteria for Water Infrastructure Decision-Making

EPA will host a pilot workshop to walk participants through the ten steps in the Augmented Alternative Analysis (AAA) EPA planning process. This planning process incorporates social, economic, and environmental (triple bottom line) criteria and community involvement into traditional alternative analyses for infrastructure planning. The workshop will include a presentation by Saco WRRD who participated in the AAA process. The workshop will also introduce newly developed fillable worksheets which enable every stakeholder group, community, and/or utility to use this planning method on their own.

Presenters:

Leslie Corcelli, EPA Office of Wastewater Management
Howard Carter, City of Saco WWRD
Dan Bisson, Tighe & Bond
Emily Cole-Prescott, City of Saco, ME
Emily Roy, City of Saco, ME
Ed McCormick, McCormick Strategic Water
Sarah Shadid, Ross Strategic

From Water Quality to Climate Resilience— Leveraging the Benefits of Widespread Green Infrastructure in Boston

Nicole Holmes, Nitsch
Emma Page, BWSC

A Creative Solution for Green Infrastructure Implementation in an Urban Area

Emma Page, BWSC
Kelsey Kern, Nitsch

Innovative Application of Green Infrastructure in Public Spaces in the Northeast

Emily Carlson, Arcadis

Green Stormwater Infrastructure Candidate Location Siting Application

Michael Hanley, Dewberry
Lucica Hiller, City of Somerville, MA

Tuesday
2:00–4:30 PM

Session 21

Plant Operations 3: Data Driven Treatment Optimization

Moderators:

Emily Korot,
Hazen and Sawyer
John Adie, NHDES

Suffolk

Session 22

Contaminants of Emerging Concern 1: CEC Measurement and Quantification

Moderators:

Rachel Schnabel,
Barton & Loguidice
Lohita Rajesh,
University of Massachusetts

Simmons

Technical Sessions 19–24

Machine Learning: How It Can Support Innovation In WWT/WWR and Can It Be Trusted?

Amy Mueller, Northeastern University

What Have We Learned from AI? Lessons from Applying Machine Learning at Water Reclamation Facilities

Sue Guswa, Woodard & Curran
Jay Sheehan, Woodard & Curran
Jeanna Long, Woodard & Curran

Clarifying Insight: Using Machine Learning to Evaluate Secondary Clarifier Performance

Erik Osborn, Woodard & Curran
Julia Beni, Woodard & Curran

Predictive Iron Dosing for Phosphorus Removal— a Data-Driven Strategy

Varun Srinivasan, Brown and Caldwell

PFAS Data from over 200 California Wastewater Treatment Plants

Josh Soper, CDM Smith

PFAS in Wastewater—Advancing Source Control by Understanding the PFAS Cycle on Nantucket

Eric Spargimino, CDM Smith
Andrew Miller, CDM Smith
Charles Larson, Town of Nantucket, MA
Roberto Santamaria, Town of Nantucket, MA

Detection and Quantifying Microplastic Pollutants in Beach Sand and River Sediment

Cole Radke, University of Massachusetts

Statewide PFAS Assessment of WWTPs in Michigan and Implications to the Beneficial Use of Biosolids for Land Application

Chris Curran, AECOM

Exhibit Hall Break

3:00–3:30 PM

Tuesday
2:00–4:30 PM

Session 23

Asset Management 2: Tools, Tips, and Technology in Asset Management

Moderators:

Dan Capano,
Gannett Fleming
Georgine Grissop,
CDM Smith

Wellesley

Session 24

Watershed Management 1: Nutrient Mitigation and Water Quality Restoration

Moderators:

Sara Greenberg, GHD
James Plummer, NEIWPCC

Provincetown

Technical Sessions 19–24

Leveraging Geospatial Information Systems Technologies and Data Analysis Automation to Optimize Catch Basin Inspection and Cleaning Statewide

Colin Bergmann, VHB

What Lurks Below—Utilizing Pipeline Condition Assessment Data in an “All Streets” Capital Plan

Jesse Herman, CDM Smith
James Carolan, CDM Smith
Shawn Syde, Town of New Bedford, MA

Managing Water, Wastewater, and Lead with Machine Learning

Jim Fitchett, VODA

Leveraging an Advanced Asset Management Framework to Optimize Investment Decisions

Hugh Sinclair, Arcadis

Implementing a Coastal Water Quality Restoration Program through an Adaptive Management Approach—Falmouth, MA Case Study

Anastasia Rudenko, GHD
Lenna Quackenbush, GHD

Protecting a Great Pond—Watershed Management Strategies to Control Nutrient Pollution

Carly Quinn, Woodard & Curran
Maggie Anderson, Woodard & Curran
Paul Ferland, City of Fall River, MA
Scott Medeiros, Woodard & Curran

Understanding the Role of Human Bacteroides Analysis in IDDE Investigations

Janelle Bonn, Woodard & Curran
Rich Niles, Woodard & Curran

The Culmination of Monitoring and Modeling Healthy Lake Boon Initiative

Fiona Worsfold, Brown and Caldwell

Exhibit Hall Break

3:00–3:30 PM

Wednesday
8:30–11:00 AM

Session 25

Collection Systems 3:
For Those About to
Dig...We Salute You

Moderators:

Scott Lander, Retain-it
Allison Shivers,
Tata and Howard

Provincetown

Technical Sessions 25–29

**A Clean Start for the Beachmont-Sales Creek
Neighborhood of Revere**

Angela Moulton, CDM Smith
John Viotto, CDM Smith
Nick Rystrom, City of Revere, MA

**Cohas Brook Sewer Project (Contracts 3 and 4)—
Applying Construction Lessons Learned to Collection
System Planning and Design**

Ian Gervais, Kleinfelder
Frederick McNeill, City of Manchester, NH
Robert Robinson, City of Manchester, NH

**KISS 108-Year-Old Interceptor Goodbye—Rerouting
Franklin's Oldest and Most Critical Asset, the Beaver
Street Interceptor, out of the Mine Brook**

Amy Anderson George, Arcadis
Doug Martin, Town of Franklin, MA

**Between a Rock and a Hard Place—Expanding Sewer
Service in the Town of Stoughton, MA**

Andrew Grotta, Environmental Partners
Ziad Kary, Environmental Partners
Marc Tisdelle, Town of Stoughton, MA
Craig Horsfall, Town of Stoughton, MA

Session 26

Stormwater 3:
Stormwater Tools
and Technology

Moderators:

Cindy Baumann, CDM Smith
Brutus Cantoreggi,
Town of Franklin, MA

Salon C/D

**New Technology for Real Time Detection of Illicit
Connections in Storm Drains**

Matthew Davis, Brown and Caldwell
Martha Wells, Brown and Caldwell
Nicholas Federico, City of Newburyport, MA
Stephanie Alimena, Brown and Caldwell

**How Using Biochar-amended Iron-enhanced Sand
Filters Can Reduce the Flow of Bacteria (*E. coli*) and
Phosphorus into Water Bodies**

Erik Megow, Stantec

**Optimizing Stormwater Treatment by Using the
MassDOT Stormwater Design Guide and Water
Quality Data Form**

Lauren Caputo, VHB
Henry Barbaro, MassDOT

**Best Practices Online Mapping Tools and Lessons
Learned to Improve Your IDDE Program**

Nate Pacheco, VHB

Exhibit Hall Break
9:30–10:00 AM

Wednesday
8:30–11:00 AM

Session 27

Plant Operations 4:
Pushing the Limits of
N & P Removal

Moderators:

Varun Srinivasan,
Brown and Caldwell
Pam Westgate, Kleinfelder

Suffolk

Technical Sessions 25–29

**The Role of an Adequate Anaerobic Mass Fraction
on RAS Hydrolysis/Fermentation for Sustainable
EBPR Process**

Parnian Izadi, Stantec

**Challenges in Upgrading One of the Last Municipal
Powdered Activated Carbon/Wet Air Oxidation
Plants in the U.S to Achieve Low Level Nutrient
Removal**

Frederick Mueller, Tighe & Bond
Paul Moran, Tighe & Bond
Rob Grasis, Town of Vernon, CT

**Ditch Your Nitrate Problems by Optimizing that
Oxidation Ditch!**

John Scheri, Mott MacDonald

**New England's Largest Continuously Backwashing
Sand Filter Helps the Meriden WCPF Achieve Low
Effluent Phosphorus**

Matthew Formica, AECOM
Frank Russo, City of Meriden, CT
Jeffrey Reade, AECOM
Rene Laliberte, City of Meriden, CT
Richard Meskill, City of Meriden, CT

Session 28

Contaminants of
Emerging Concern 2:
The Break Down on
PFAS—Destruction
Technologies and Panel
Discussion

Moderators:

Amy Hunter, AECOM
Christian Pasichny,
University of Massachusetts

Salon A/B

**Byproduct Formation During Electrooxidation
of PFAS**

Anilkumar Krosuri, Aclarity

**Some Like It Hot, but PFAS Does Not! Advancing
Thermal Destruction of PFAS in Biosolids**

Natalie Sierra, Brown and Caldwell

WEF's PFAS Roadmap for Water Utilities

Janine Burke-Wells, NEBRA

Followed by a Panel Discussion:

Julie Bliss Mullen, Aclarity
Jeff McBurnie, Casella Resource Solutions
Sean McBeath, UMass Amherst
Natalie Sierra, Brown and Caldwell
Claudio Ternieden, WEF
Ray Frigon, CT DEEP

Exhibit Hall Break
9:30–10:00 AM

Wednesday
8:30–11:00 AM

Technical Sessions 25–29

Session 29 Small Community

Moderator:
Ian Catlow, Tighe & Bond
Andrea Braga, Jacobs

Simmons

Comprehensive Wastewater Planning to Address Environmental and Economic Objectives in Littleton, MA

Kara Johnston CDM Smith
Corey Godfrey, Littleton Electric Light & Water
William Lengyel, CDM Smith

Detailed Facility Planning for Impending TN Limits in Hanover

Michael Theriault, Wright-Pierce

Small Town—Big Steps Toward Combating Future Effluent Limits, Population Growth, Environmental Sustainability

Casey Maranto, Wright-Pierce

The Messy Economics of Septage Treatment

Austin Weidner, Tighe & Bond



Exhibit Hall Break
9:30–10:00 AM

Wednesday
1:00–3:00 PM

Technical Sessions 30–34

Session 30 Collection Systems 4: Who let the Water Out?

Moderators:
Brendan O'Brien, Stantec
Tom Loto, AECOM

Salon A/B

Close Collaboration with BWSC Leads to a Comprehensive Design-ready Product

Denise Prussen, CDM Smith
Adam Horst, BWSC

To CCTV or not CCTV, that is the question

Chris Baggett, Wright-Pierce
Adam Iben, City of St Petersburg, FL

I/I Study Finds H2S Corrosion to be the Critical Priority—Utilizing Institutional Knowledge to Guide Sewer Investigations and Rehab in Darien, CT

Lindsay McCarthy, Arcadis
Edward Gentile, Town of Darien, CT

Long Term Maintenance Done Right—Inspection, Assessment, and Construction Activities

Steve Perdios, Dewberry
Miles Bateman, Dewberry

Session 31 CSO/WWI 3: CSO Model Approaches for Public Notification and System Optimization

Moderators:
Peter Frick, IDEX
James Drake, CDM Smith

Suffolk

Forecasting Combined Sewer Overflows for Advanced Public Notification Using Data-driven Modeling

Varun Srinivasan, Brown and Caldwell

Building a Practical Digital Twin to Address Public Awareness of Sewage Pollution Legislation

Rajan Ray, Trinnex

Operating a Collection System Like a Stock Exchange to Optimize Operations

Richard Loeffler, Xylem

Application of Mixing Zone Modeling in Facilitating Decision Making for CSO Tunnel Construction Dewatering Pretreatment

Yuan Fang, Stantec

Wednesday
1:00–3:00 PM

Technical Sessions 30–34

Session 32

**Energy:
Energy Efficiency
and Management**

Moderators:

Tracy Chouinard,
Brown and Caldwell
David Michelsen, SESD

Simmons

**Strategic Energy Management is Decarbonization—
Using the SEM Method to Achieve Your Climate
Goals and Build Resiliency**

Matt Jensen, Cascade Energy

**Coupling Energy Efficiency with Asset Management
Prioritized Projects**

Sharon Nall, NHDES
Steve Bolles, Process Energy

Energy from Wastewater—a Renewable Resource

Jeff Hammer, UHRIG

**Don't Forget Your Energy Costs! Comparing and
Reducing Lifecycle Costs for Treatment Facilities**

Lenna Quackenbush, GHD
Sara Greenberg, GHD

Session 33

**Watershed
Management 2:
From Stormwater to
Regulations—Building
Tools to Restore our
Ecosystems**

Moderators:

Steve Wolosoff, GEI
Helen Gordon,
Environmental Partners

Salon C/D

**Using the New England Retrofit Manual to Support
BMP Selection and Design for MS4 Compliance**

Kelly Siry, VHB

**Using Smart Stormwater Controls to Meet
Stormwater Requirements and Preserve the
Aesthetic Character of Two Historic Ponds in
Harrisburg, PA**

Andrea Braga, Jacobs

**Making Dollars and Cents of Growing Risk—
Showcasing a New Digital Tool to Understand Flood
Risk, Obtain Funding, and Build Resilience**

Heather Sprague, Arcadis
Trevor Johnson, Arcadis

**Long-term Water Quality Monitoring Program to
Evaluate Benefits of Infrastructure Improvements
and Advocate for Science-based Regulations**

Zachary Eichenwald, CDM Smith
Karla Sangrey, Upper Blackstone
Tim Loftus, Upper Blackstone

Wednesday
1:00–3:00 PM

Technical Sessions 30–34

Session 34

**Public Awareness:
Essential Public
Outreach Strategies**

Moderators:

Deborah Mahoney,
Brown & Caldwell
Phil Tucker,
York Sewer District

Provincetown

**Leveraging Partnerships to Create a Stellar Public
Outreach Campaign**

Emily Cole-Prescott, City of Saco, ME
Emily Roy, City of Saco, ME

**Preparing for Effective, Adaptive Risk
Communication about PFAS in Drinking Water, Water
Reclamation, and Residuals**

Sarah Baryluk, CDM Smith

**Open Houses 101: an Invitation to Improving Public
Education, Awareness, and Support**

Bill Patenaude, RIDEM
Janine Burke-Wells, NEBRA
Scott Goodinson, Town of Narragansett, RI

**CSO Public Engagement Toolkit—Engaging a
Diverse and Multi-Generational Urban Community to
Craft an Effective CSO Long Term Control Plan**

Sabina Martyn, Mott MacDonald



Monday
8:00–8:30 AM

Falmouth

Respectfully Submitted by
the NEWEA Nominating
Committee:
Ray Vermette, Chair
Jennifer Kelly Lachmayr
Virgil Lloyd
Paula Drouin
Mike Smith

All nominees have
indicated their
willingness to serve.

Annual Business Meeting

2023 Officer Nominations

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 23, 2023:

- Vice President – Deborah Mahoney
- WEF Delegate (through WEFTEC 2026) – Virgil Lloyd
- Council Director: Collection Systems and Water Resources – Scott Lander
- Council Director: Innovation – Michael Murphy
- Connecticut Director – Vanessa McPherson
- Massachusetts Director – John DiGiacomo

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

- President – Robert Fischer
- President-Elect – Scott Goodinson
- Past President – Frederick McNeill
- Treasurer – David VanHoven

The remaining incumbents are fulfilling unexpired terms:

- WEF Delegate – Peter Garvey (through WEFTEC 2023)
- WEF Delegate – Raymond Vermette (through WEFTEC 2024)
- WEF Delegate – Janine Burke-Wells (through WEFTEC 2025)
- Council Director: Communications – Philip Tucker fulfilling Deborah Mahoney's term (3rd year)
- Council Director: Meeting Management – Amy Anderson George (2nd year)
- Council Director: Outreach – Colin O'Brien (3rd year)
- Council Director: Treatment System Operations & Management – Marina Fernandes (2nd year)
- Rhode Island Director – Edward Davies (3rd year)
- Maine Director – Paula Drouin (2nd year)
- Vermont Director – Michael Smith (3rd year)
- New Hampshire Director – Michael Trainque (2nd Year)

Tuesday
9:00 AM–4:00 PM

3rd Floor Atrium



Exhibitors:

Aclarity
Bioforcetech
Corporation
Ceritas
C-Green, c/o Next
Rung Technology
DetoXyFi
MMP (DiriGoStream)
Stormsensor
Trinnex
UHRIG Energy from
Wastewater Corp
Verified Water, Inc.
Water Analytics

NEWEA's Innovation Council Innovation Pavilion

Join us as we hear from the Water Innovators of New England at the Innovation Pavilion on Tuesday, January 24 on the 3rd floor Atrium. The Pavilion will highlight a selection of the most promising water technology businesses while championing an important dialogue about innovation.

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

INNOVATION PAVILION PROGRAM SCHEDULE

9:00 – 11:00 AM

Innovator Networking & Practice Pitches

11:00 – 12:15 PM

**Clean Water 50th Anniversary—The Next 50 Years:
Communication, Climate, Innovation and Investment
(Salon E)**

12:15 – 1:00 PM

Innovator Pitches

1:00 – 2:00 PM

Lunch break

2:00 – 3:00 PM

**Update on I/A OWTS Progress—Where have we
been and where are we going?**

Speakers:

- Bruce Walton, Chair, I/A OWTS Task Force;
- Brian Baumgaertel, Director, MASSTC;
- Scott Horsley, Water Resources Consultant, Horsley Consulting

3:00 – 4:00 PM

Meet Innovators

Monday
9:00 AM–3:30 PM
3rd Floor Atrium

**Session with authors
12:30–2:00 PM**

Coordinator:
Joanna Sullivan, VHB

Undergraduate Student Poster Board Competition

A Community Assessment on the Perceptions of Water Quality and the Impacts Associated with Legality and Safety in Fall River, Massachusetts

Karlen Alenó Hernández, Massachusetts College of Pharmacy and Health Sciences

PFAS Removal Via Phytoremediation Using *Juncus Effusus*

Brant Barbera-Hwang, Benjamin Lanava, Blade Kalikow, Northeastern University

Biosynthesis of Manganese Oxide Nanoparticles for Improved Production and Water Treatment Application

Caroline Canales, Avalon Fiore, Kamil Obrycki, University of Rhode Island

Kinesthetic and Practical Teaching Styles

Ryan Douglas, Cailin Hesketh, University of Hartford

Water Quality Labs

Kyle Hilliard, Aaron Champagne, Michaela McNutt, University of Hartford

WBE Tracking of Influenza Virus on the UMass Amherst Campus

Lauren Kelly, UMass Amherst

Sand Bar State Park Wastewater Treatment

Venus Rohra, Amelia Kennedy, Anastasia Allen, Yuang Li, University of Vermont

Turtle Mountain Design Team

Noah Mantz, Josh Fiorentino, Kitty Lovell, UMass Amherst

Effect of Raw Materials and Manufacturing Procedures on Flow Rate through Ceramic Water Filters

Alexia Martin, University of Rhode Island

Impact of short and long-term stagnation on corrosion in drinking water distribution systems

Kate Moloney, Northeastern University

UMass Amherst EWB Local Project

Rachel Rannikko, Jia Ganti, UMass Amherst

Bristol Stormwater Best Management Practice Evaluation and Redesign

Nick Courtney, Travis Lajoie, Tyler Roy, Parker Urie, Roger Williams University

Best Practices for Use of ISE Sensors in Wastewater Biological Nutrient Removal Systems

Gus Boyer, Siena Salyer, Faye Kuszewski, UMass Amherst

Working with International Communities to Implement Projects Remotely

Marie Rausch, Cullen Calhoun, UMass Amherst

Monday
9:00 AM–3:30 PM
4th Floor

Evaluation of Uncertainties in Well Water Impact Estimates After Hurricane Florence
Kyla Drewry, Northeastern University

Assessing the Potential for Remotely Sensed Discharge to Estimate Carbon Fluxes for Ungauged Rivers

Jaclyn Gehring, Northeastern University

Sizing and Maintenance of Floating Treatment Wetlands for Regulatory Compliance

McNamara Buck Rome, Northeastern University

Validating Well Model Estimates in Wake County, NC

Tiffany Tang, Northeastern University

Uncertainty in private well locations in Greater Boston

Linnea Wilson, Northeastern University

Impact of pH on the reaction kinetics of nitroglycerin removal from wastewater using nZVI-biochar

Roxana Rahmati, Stevens Institute of Technology

Accumulation of COVID-19 Signal in a Simulated Sewer using Passive Samples

Andrew Kennefick, UMass Amherst

Pulsed Electrolysis Production of Hypochlorous Acid for Water Disinfection

Khoa Kieu, University of Maine

On-site disinfectant production and integration at a wastewater treatment facility

Deborah Sebagisha, University of Maine

Enhanced electrochemical oxidation of concentrated waste streams using an Fe-TAML catalyst (iron based tetra amino macrocyclic ligand)

Shane Hancox, Christian Pasichny, UMass Amherst

An Analysis of The Transition from Intermittent to Continuous Water Supply in Coimbatore City, India

Ciara Little, UMass Amherst

Towards a better understanding of disinfection byproducts in intermittent water supply

Thomas Roberts, UMass Amherst

Next-Generation Sequencing to Evaluate Seasonal Bacterial Community Dynamics in a Drinking Water Reservoir

Gabriel Mesole, UMass Amherst

Graduate Student Poster Board Competition

Investigating the Effect of Crosslinking on Heterogeneous Diffusion of Polystyrene Nanoparticles in Alginate Matrix
Timothy Onuh, UMass Amherst

Proof of Concept: In-Situ Microbial Cages to Track PFAS Biotransformations in Wastewater Systems

Lindsay Guertin, University of New Hampshire

Per- and Polyfluorinated Alkyl Substances (PFAS) in Great Bay Estuary Surface Waters: Temporal and Spatial Trends

Gage Moran, University of New Hampshire

Data Driven Approach to Enhance Street Sweeping in Urban Areas

Andrew Sheerin, University of Rhode Island

Biosynthesis and purification of manganese oxide nanoparticle for pollution remediation application

Zachary Shepard, University of Rhode Island

Assessment of the effect of Ferrate and Activated Ferrate on Natural Organic Matter
Jacira Soares, Caitlin Murray, Katherine Cretella, Carrie Ellis, University of Rhode Island

Microbial Insights into the Stability and Resiliency of the Full-Scale Co-Digestion of Food Waste and Cow Manure

Amy DeCola, University of Vermont

Oscillating Electric field-assisted Inactivation of *Escherichia Coli* in Wastewater

Kamruzzaman Khan, University of Vermont

Demographic and Data Bias in North Carolina Well Water Testing

Wesley Hayes, Northeastern University

Examining the Influence of Consumption on the Cost of Point-of-use Devices for PFAS Treatment

Richard Rogers, UMass Amherst

Assessing the applicability of local-scale event rainfall characteristics from Hurricane Florence to identify likely microbial contamination in North Carolina private drinking wells

Elizabeth Bartuska, Northeastern University

**Session with authors
12:30–2:00 PM**

Coordinator: Joanna Sullivan, VHB

Moderators

SESSION	MODERATOR	AFFILIATION
Opening Session	Lauren Hertel	Woodard & Curran
1	Jaimie Payne	BETA Group
1	Victoria Helle	NEIWPCC
2	Eric Kelley	Environmental Partners
2	Maria Rose	Town of Brookline, MA
3	Matt Manchisi	Kimley Horn
3	Eliza Stycznski	NHDES
4	Nick Ellis	Hazen and Sawyer
4	Meredith Zona	Stantec
5	Janine Burke-Wells	NEBRA
5	Eric Spargimino	CDM Smith
6	Art Simonian	The Mattabassett District
6	Karla Sangrey	Upper Blackstone
7	Scott Firmin	Portland Water District
7	Jeff McBurnie	Casella Resource Solutions
8	Jim Barsanti	Hazen and Sawyer
8	Kara Johnston	CDM Smith
9	Adam Higgins	Wright-Pierce
9	Patty Chesebrough	NEIWPCC
10	Jason Kreil	Woodard & Curran
10	Steve Perdios	Dewberry
11	Stephen King	Town of Danvers, MA
11	Marina Fernandes	Town of Milton, MA
12	Matt Dickson	Haley Ward
12	Sarah White	UniFirst
13	Scott Firmin	Portland Water District
13	Jeff McBurnie	Casella Resource Solutions
14	Peter Garvey	Dewberry
14	John Digiacomio	Town of Natick, MA
15	Claudia Buchard	Woodard & Curran
15	Nick Tooker	University of Massachusetts
16	Mike Armes	IDEX
16	Keith Gardner	Stantec
17	Justin Motta	Stantec
17	Mike Theriault	Wright-Pierce
18	Wayne Bates	Tighe & Bond
18	Miles Moffatt	Tighe & Bond
19	Scott Firmin	Portland Water District
19	Jeff McBurnie	Casella Resource Solutions
20	Natalie Pommersheim	Environmental Partners
SESSION	MODERATOR	AFFILIATION

20	Joe Keitner	City of Westfield, MA
21	Emily Korot	Hazen & Sawyer
21	John Adie	NHDES
22	Rachel Schnabel	Barton & Loguidice
22	Lohita Rajesh	University of Massachusetts
23	Dan Capano	Gannett Fleming
23	Georgine Grissop	CDM Smith
24	James Plummer	NEIWPCC
24	Sara Greenberg	GHD
25	Scott Lander	Retain-It
25	Allison Shivers	Tata and Howard
26	Cindy Baumann	CDM Smith
26	Brutus Cantoreggi	Town of Franklin, MA
27	Varun Srinivasan	Brown & Caldwell
27	Pam Westgate	Kleinfelder
28	Amy Hunter	AECOM
28	Christian Pasichny	University of Massachusetts
29	Ian Catlow	Tighe & Bond
29	Andrea Braga	Jacobs
30	Brendan O'Brien	Stantec
30	Tom Loto	AECOM
31	Peter Frick	IDEX
31	James Drake	CDM Smith
32	Tracy Chouinard	Brown and Caldwell
32	David Michelsen	SESD
33	Steve Wolosoff	GEI
33	Helen Gordon	Environmental Partners
34	Deborah Mahoney	Brown and Caldwell
34	Phil Tucker	York Sewer District
Keynote	Emily Cole-Prescott	City of Saco, ME
Keynote	Zach Henderson	Woodard and Curran

Presenters

PRESENTER	AFFILIATION	SESSION NO.
Robert Adams	AECOM	14
Ben Agrawal	Hazen and Sawyer	2
Stephanie Alimena	Brown and Caldwell	2, 26
Mehran Andalib	Stantec	15
Maggie Anderson	Woodard & Curran	24
Sara Arabi	Stantec	17
Chris Baggett	Wright-Pierce	30
Henry Barbaro	MassDOT	26
Sarah Baryluk	CDM Smith	34
Brian Baumgaertel	MASSTC	Innovation
Kathleen Baskin	MassDEP	7
Miles Bateman	Dewberry	30
Alyssa Beck	Town of Greenwich, CT	15
Julia Beni	Woodard & Curran	21
Colin Bergmann	VHB	23
Dan Bisson	Tighe & Bond	19
Brandon Blanchard	Pare Corporation	10
Steve Bolles	Process Energy	32
Janelle Bonn	Woodard & Curran	24
Alison Bowden	The Nature Conservancy	Keynote
Jeff Bowers	The MDC	9
Andrea Braga	Jacobs	33
Brian Brown	CDM Smith	3
Janine Burke-Wells	NEBRA	28, 34
Paul Calamitta	AquaLaw	6
Kevin Campanella	Burgess & Niple	3
Lauren Caputo	VHB	26
Michael Carle	Town of Hampton, NH	9
Emily Carlson	Arcadis	20
James Carolan	CDM Smith	23
Howard Carter	City of Saco, ME	Keynote, 19
Erika Casarano	AECOM	10
David Cash	EPA	Keynote
William Chandler	Weston & Sampson	14
Emily Cole-Prescott	City of Saco, ME	19, 34
Leslie Corcelli	EPA	13, 19
Zachary Cronin	City of Portsmouth, NH	8
James Crowley	MEDEP	7
Chris Curran	AECOM	22
Kamal Daghistani	Spring Lane Capital	Keynote
Matthew Davis	Brown and Caldwell	2, 26
Sam Downes	Town of Brookline, MA	2
Leigh-Ann Dudley	Dewberry	12
Chris Dwinal	Wright-Pierce	5
Zachary Eichenwald	CDM Smith	33

PRESENTER	AFFILIATION	SESSION NO.
Nicholas Erickson	City of Fitchburg, MA	10
Yuan Fang	Stantec	31
Nicholas Federico	City of Newburyport, MA	26
Christopher Feeney	Stantec	10
Paul Ferland	City of Fall River, MA	24
Jim Fitchett	VODA	23
Ryan Flood	Water Analytics	1
Matthew Formica	AECOM	27
Krista Forti	Woodard & Curran	5
John Fortin	Salem and Beverly Water Supply Board	3
Jerry Friedman	City of Cambridge, MA	2
Ray Frigon	CT DEEP	28
Jean Gagnon	Veolia	18
Edward Gentile	Town of Darien, CT	30
Ian Gervais	Kleinfelder	25
Amy Anderson George	Arcadis	25
Peter Georgetti	Pare Corporation	10
Rachel Gilbert	Woodard & Curran	11
Corey Godfrey	Littleton Electric Light & Water	29
Scott Goodinson	Town of Narragansett, RI	34
Charles Goss	AECOM	5
Kate Goyette	Kleinfelder	2
Rob Grasis	Town of Vernon, CT	27
Sara Greenberg	GHD	14, 32
Andrew Grota	Environmental Partners	3, 25
Sue Guswa	Woodard & Curran	11, 21
Rosa Gwinn	AECOM	12
Joseph Haberek	RIDEM	7
Ivonne Hall	CTDEEP	7
Jeremy Hall	MWRA	10
Doug Hankins	Wright-Pierce	9
Jeff Hammer	UHRIG	32
Michael Hanley	Dewberry	20
Greg Heath	AECOM	10
Jesse Herman	CDM Smith	23
Lucica Hiller	City of Somerville, MA	20
Brian Hilts	CDM Smith	9
Nicole Holmes	Nitsch	20
Craig Horsfall	Town of Stoughton, MA	25
Scott Horsley	Horsley Consulting	Innovation
Adam Horst	BWSC	30
Matthew Hross	Hazen and Sawyer	9
Adam Iben	City of St Petersburg, FL	30
Ko Ishikura	Green International	11
Parnian Izadi	Stantec	17, 27
John Jackman	Hoyle, Tanner & Associates	3
Jonnas Jacques	Kleinfelder	8
Matt Jensen	Cascade Energy	32

PRESENTER	AFFILIATION	SESSION NO.
Charlie Jewell	BWSC	2
Kara Johnston	CDM Smith	29
Trevor Johnson	Arcadis	33
Katie Jones	Dewberry	12
Udayarka Karra	Arcadis	11
Ziad Kary	Environmental Partners	3, 25
Elizabeth Watson Keddy	Hazen and Sawyer	18
Kathryn Kelly	Narragansett Bay Commission	10, 16
Kelsey Kern	Nitsch	20
Yong Kim	UGSI	17
Stephen King	Hazen and Sawyer	6
Anilkumar Krosuri	Aclarity	28
Brian Kuchar	Horsley Witten	10
Rene Laliberte	City of Meriden, CT	27
Charles Larson	Town of Nantucket, MA	22
Jason Lavoie	Kleinfelder	16
William Lengyel	CDM Smith	29
Matthew Lick	CDM Smith	15
Richard Loeffler	Xylem	31
Tim Loftus	Upper Blackstone	33
Jeanna Long	Woodard & Curran	21
Thomas Loto	AECOM	16
Casey Maranto	Wright-Pierce	29
Dayton Marchese	Opti RTC	2
Doug Martin	Town of Franklin, MA	25
Sabina Martyn	Mott MacDonald	34
Sean McBeath	UMass Amherst	28
Jeff McBurnie	Casella Resource Solutions	28
Lindsay McCarthy	Arcadis	30
William McConnell	CDM Smith	15
Ed McCormick	McCormick Strategic Water	1, 19
Brian McGuire	Arcadis	9
Philip McHenry	Wright-Pierce	9
Frederick McNeill	City of Manchester, NH	Keynote, 25
Scott Medeiros	Woodard & Curran	24
Erik Megow	Stantec	26
Jeff Mercer	Wright-Pierce	18
Erik Meserve	AECOM	8
Richard Meskill	City of Meriden, CT	27
Baxter Miatke	Arcadis	1
Kate Mignone	AECOM	16
Andrew Miller	CDM Smith	22
Paul Millett	Environmental Partners	14
Eliza Moore	Narragansett Bay Commission	10
Paul Moran	Tighe & Bond	27
Larry Morris	Kubota	4
Ben Mosher	CDM Smith	17
Angela Moulton	CDM Smith	25

PRESENTER	AFFILIATION	SESSION NO.
Amy Mueller	Northeastern University	21
Frederick Mueller	Tighe & Bond	27
Julie Bliss Mullen	Aclarity	28
Sharon Nall	NHDES	32
Diana Nelson	Black Fly Media	Keynote
William Nezgod	SUEZ	4
Rich Niles	Woodard & Curran	24
Rosaleen Nogle	Buffalo Sewer Authority	1
Mickey Nowak	MAWEA	17
Gus O'Leary	Kleinfelder	16
Frank Occhipinti	Weston & Sampson	10
Erik Osborn	Woodard & Curran	16, 21
Nate Pacheco	VHB	26
Emma Page	BWSC	20
Julianne Page	Woodard & Curran	5
Bill Patenaude	RIDEM	34
Michael Paulin	Weston & Sampson	14
John Pearson	AECOM	8
Philip Pedros	Mott MacDonald	5
Steve Perdios	Dewberry	30
Andrew Perham	The MDC	16
Dave Peterson	Kleinfelder	8
Amy Polaczyk	VTDEC	7
David Polcari	CDM Smith	8
Robert Pontau	Town of Brunswick, ME	5
Richard Pope	Hazen and Sawyer	8
Denise Prussen	CDM Smith	30
Lenna Quackenbush	GHD	24, 32
Carly Quinn	Woodard & Curran	24
Cole Radke	University of Massachusetts	22
Rajan Ray	Trinnex	31
Jeffrey Reade	AECOM	27
Peter Rice	City of Portsmouth, NH	8
Matthew Ries	DC Water	1
Robert Robinson	City of Manchester, NH	25
Robert Roland	Weston & Sampson	1
Emily Roy	City of Saco, ME	19, 34
Anastasia Rudenko	GHD	14, 24
Frank Russo	City of Meriden, CT	27
Nick Rystrom	City of Revere, MA	25
Stephanie Salerno	Wright-Pierce	14
Karla Sangrey	Upper Blackstone	33
Robert Santamaria	Town of Nantucket, MA	22
John Scheri	Mott MacDonald	27
Rob Schultz	City of Newport, RI	8
Sarah Shadid	Ross Strategic	19
Jay Sheehan	Woodard & Curran	11, 21
James Sherrard, Jr.	City of Burlington, VT	2

PRESENTER	AFFILIATION	SESSION NO.
Natalie Sierra	Brown and Caldwell	28
Isabella Silverman	CDM Smith	15
Christian Simonelli	Boston Groundwater	12
Adam Simonsen	Aquarion	6
Scott Simpson	Brown and Caldwell	12
Hugh Sinclair	Arcadis	23
Kelly Siry	VHB	33
Josh Soper	CDM Smith	22
Eric Spargimino	CDM Smith	22
Heather Sprague	Arcadis	33
Varun Srinivasan	Brown and Caldwell	15, 21, 31
Bruce Stevens	SUEZ	4
Jasmine Strout	Green International	11
James Sullivan	AECOM	16
John Sullivan	BWSC	2
Mike Sullivan	Carlsen Systems	4
Shawn Syde	Town of New Bedford, MA	23
Timothy Taber	Barton & Loguidice	3
Joe Tardio	Aqua-Aerobic	4
Mary Tchamkina	Raftelis	1
Claudio Ternieden	WEF	28
Michael Theriault	Wright-Pierce	29
Marc Tisdelle	Town of Stoughton, MA	25
Kevin Trainor	Woodard & Curran	16
Kelly Tucker	EPA	13
Phil Tucker	York Sewer District	6
Theresa Tucker	York Sewer District	6
Tim Vadney	Wright-Pierce	18
Ramola Vaidya	HDR	4
David VanHoven	Stantec	2
Ifetayo Venner	WEF	Keynote
Karri Ving	Brown and Caldwell	1
John Viotto	CDM Smith	25
Julia Wahl	Woodard & Curran	11
Don Walker	AECOM	10
Mike Walsh	CDM Smith	17
Bruce Walton	Battalia Winston	Innovation
Jason Waterbury	The MDC	3
Austin Weidner	Tighe & Bond	29
Martha Wells	Brown and Caldwell	26
Charles Wilson	Hazen and Sawyer	2
Jenn Wood	Tidal Vision	18
Tracy Wood	NHDES	7
Fiona Worsfold	Brown and Caldwell	24
Diana Youssef	Change Water Labs	Keynote
Allison Zeoli	Arcadis	11

Exhibitors

ABBA Pump Parts and Service

Booth(s): 148

Since 1989 ABBA Parts has proven our value to countless municipalities across the USA including those operating 4 of the 5 largest WWTPs in the country. Responsible for pump maintenance? Visit us in person to learn more about how you can save time and money on parts and replacements to fit your brand name wastewater/sewage pumps. We offer direct drop-in replacements, made in accordance with OEM specifications & designs - guaranteed for fit, form & function. In addition to replacement parts and pumps, we also offer technical assistance, engineered solutions, retrofits and conversions. Our customers are supported by our team of technical inside sales people and our network of knowledgeable manufacturers reps.

Contact: Wendy Jamison, 5370 Munro CT Burlington, ON L7L 5N8, 905-333-2720, wendy_j@abbaparts.com, www.abbaparts.com

ADS LLC (Bronze Sponsor)

Booth(s): 437, 445

ADS provides innovative solutions to sewer monitoring challenges through the manufacture of flow meters, sensors, depth monitors, and rain gauges. These tools in conjunction with our software and field services provide comprehensive solutions to I&I studies, CSO monitoring and public notification, overflow alarming, and other sewer related monitoring projects.

Contact: Matthew Brown, 51 Wentworth Ave Ste. 15, Londonderry, NH 03053, (256) 656-6385, MBrown3@idexcorp.com, www.adsenv.com

Aenergia

Booth(s): 452, 453, 460, 461, 468, 469

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Aerzen Blower

Booth(s): 452, 453, 460, 461, 468, 469

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Air Clean USA

Booth(s): 410-411, 473-474, 481-483, 489-491

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Alfa Laval

Booth(s): 452, 453, 460, 461, 468, 469

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Amphidrome® Advanced Treatment System

Booth(s): 401-406

The Amphidrome® system is an affordable, energy efficient, customized onsite wastewater treatment solution designed to fit your site constraint and regulatory requirements. Utilizing Biologically Active Filter (BAF) high biomass technology, the system provides simultaneous removal of BOD, ammonia, suspended solids and nitrate-nitrogen in an extremely small footprint.

Contact: Patrick Compton, Engineering Manager, pcompton@frmahony.com, 781-982-9300. F.R. Mahony & Associates

Amwell

Booth(s): 452, 453, 460, 461, 468, 469

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

APTIM

Booth(s): 408

APTIM is a global industry leader headquartered in Baton Rouge, Louisiana. With more than 4,000 employees worldwide, APTIM specializes in environmental services, sustainability and energy solutions, program management, resilience, critical infrastructure, as well as technical and data solutions. Our dedicated people have proven experience and expertise to provide integrated services and solutions to government agencies, commercial, industrial and energy customers. APTIM commits to accelerating the transition toward a clean and efficient energy economy, building a sustainable future for our communities and natural world, and creating an inclusive, equitable environment that celebrates diversity of our people.

Contact: Jim Belcastro, 150 Royall St Ste 103, Canton, MA 02021, (508) 463-8759, jim.belcastro@aptim.com, www.aptim.com

Aqua-Aerobic Systems, Inc.**Booth(s): 401-406**

Offers Aqua ElectrOzone® Ozone Generation Systems, partnered with Metawater, Co., Ltd. and Pinnacle Ozone Solutions. Ozone treatment for water and wastewater has been utilized successfully for several decades and continues to be a viable disinfection solution for both municipal and industrial plants, worldwide.

Contact: Tom Miles, 6306 N. Alpine Rd., Loves Park, IL 61111-7655, tel. 815-639-4463, tmiles@aqua-aerobic.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Aqua Solutions, Inc. (Gold Sponsor)**Booth(s): 452, 453, 460, 461, 468, 469**

Aqua Solutions, Inc. represents leading manufacturers of municipal and industrial water/wastewater treatment equipment in the six New England states. Our experienced team provides practical and cost-effective solutions for our customers. From conceptual design and equipment selection through installation, startup, and service after the sale, we are committed to providing superior customer service and the right product for each application.

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Aquametrix by Water Analytics**Booth(s): 205**

Aquametrix by Water Analytics is a US Manufacturer of controllers and sensors for water quality monitoring and process control. Key areas of interest are Wastewater and Process Water. Primary parameters are pH, ORP, Conductivity, Dissolved Oxygen, Turbidity and FOG (Fat, Oil, Grease) along with complimentary controllers. Most products are proudly made in Andover, MA.

Contact: Brian Gannon, 100 School St, Andover, MA 01810, (978) 749-9949 x0707, bgannon@wateranalytics.net, www.wateranalytics.net

AquaPoint**Booth(s): 415**

At AquaPoint, we have proven ourselves as leaders in the industry, designing and manufacturing high quality wastewater treatment systems. Our expertise in engineering allows us to help customers take their project requirements and turn it into a solution that will last for decades. We work to serve a variety of industries, and are able to design systems to meet each applications specific treatment needs. Using only state-of-the-art technology, our products offer flexibility and reliability while giving customers the power they need to meet high regulatory requirements.

Contact: Joe Pinto, 39 Tarkiln Pl, New Bedford, MA 02745, (508) 951-4624, jpinto@aquapoint.com, www.aquapoint.com

AquaTurbo Systems**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Asahi/America, Inc.**Booth(s): 435, 436**

Asahi/America is the premiere provider of thermoplastic fluid flow solutions for industrial, commercial and environmental applications. Our Chem Proline Advanced PE piping system is ideal for chemical handling in water treatment applications while the Poly-Flo® PP-R and Advanced PE co-extruded double containment piping system offers time saving on each project and is ideal for installations with tight space constraints, water treatment facilities using multiple chemicals, outside applications - due to UV resistance, systems where thermal expansion and contraction are present. Asahi/America also carries a complete line of valves and actuation, and welding equipment to complete your system. Our Lawrence, MA headquarters houses an extensive custom fabrication department, and we provide on-site consultation, supervision and training where required.

Contact: Joe Durning, 655 Andover St, Lawrence, MA 01843, (781) 321-5409, asahi@asahi-america.com, www.asahi-america.com

Atlantic Fluid Technology Inc.**Booth(s): 479, 480, 487, 488, 495, 496, 505, 506**

Atlantic Fluid Technology is a manufacturer's representative for engineered process equipment for the water reclamation, storm water, and drinking water treatment industries.

Contact: Moji Amini, 52 SW Cutoff Ste. 1, Northborough, MA 01532, (508) 755-0440, moji@aftinc.com, www.aftinc.com

Atlas Copco**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Bal-Last™ Interlocking Ballast Systems**Booth(s): 401-406**

Bal-Last™ Interlocking Ballast Systems was developed as a safe and effective means to provide an efficient ballast solution for the installer of grinder pump basins. The original Bal-Last interlocking ballast block system improves the time, effort and expense of field constructed forms.

Contact: Henry Albro, Cell: 978-808-4986, henry@interlockingballast.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Barton & Loguidice**Booth(s): 189**

Barton & Loguidice is a multi-disciplinary consulting firm that provides technical solutions to public and private clients with 350 employees throughout the Northeast and Mid-Atlantic.

Contact: John Benson, 41 Sequin Dr, Glastonbury, CT 06033, (800) 724-1070, jbenenson@bartonandloguidice.com, www.bartonandloguidice.com

BAU/Hopkins - Andritz/Aqualetic/Tigg**Booth(s): 424**

Andritz Separation offers sludge drying: decanter centrifuges, screw press, belt filter press, rotary drum thickener for efficient sludge thickening and dewatering, as well as screening equipment: Aqua-Screen fine screen, small channel screens, and self cleaning screens. Aqualetic provides a wide selection of cost-effective, innovative wastewater screening equipment and sludge treatment solutions. From wastewater screens to washer compactors, grit classifiers, belt filter presses, gravity belt thickeners and landfill leachate to water treatment, our products are designed to fit your existing infrastructure with minimal adjustment while saving you thousands of dollars on maintenance. Tigg is a leading manufacturer of activated carbon equipment and filters used in environmental remediation activities including water and air treatment.

Contact: Robert Hopkins, 310 South St, Plainville, MA 02762-1547, (508) 699-9300, bhopkins@bauhopkins.com, www.bauhopkins.com

BAU/Hopkins - JWB/Hach/Raco**Booth(s): 430**

JWB Company is a Manufacturers representative covering the 6 New England States. JWB Company Product line focus is on Instrumentation and Controls. JWB Company specializes in SCADA, telemetry, level, flow, pressure and collection system monitoring & assessment. JWB Company has a close working relationship with BAU/HOPKINS.

Hach Flow: Collection Systems Flowmeters & Equipment. Both Permanent & Portable Open Channel Flowmeters. Radar,Ultrasonic,Area-Velocity, and Rain Gauges. Hach also offers a complete Collection & Monitoring System, including wireless and internet based solutions, including wireless and internet based solutions. Flo Dar is simply the best non contact flowmeter on the market! Turnkey flow monitoring via DDS (Data Delivery Services).

RACO offers a complete line of systems for remote site monitoring that include phone line, Ethernet/OPC, cellular/wireless and internet based. RACO has provided municipalities, industry, and government with a wide variety of high-quality, reliable remote communications systems, annunciators, and RTU's for alarm autodialing, remote monitoring, reporting, datalogging, and control. Applications range from only a single RTU to a full multi-station, multi-point PLC, DCS, or SCADA network. OPC compliant system can be integrated with clients existing SCADA system.

Contact: James Birkenberger, JWB Company, 65 August Avenue, Wolcott, CT t: (203) 879-6959 jamie@jwbcompany.net, www.jwbcompany.net

BAU/Hopkins - Saf-T-Flo/Unifilt**Booth(s): 425**

Saf-T-Flo specializes in manufacturing chemical injection quills, sampling probes for chemical feed systems in the municipal, industrial, and commercial water treatment industries. Unifilt offers a systematic and thorough approach to coordinating the supply, delivery and installation of a wide variety of filter media systems, products and services.

Contact: Robert Hopkins, 310 South St, Plainville, MA 02762-1547, (508) 699-9300, bhopkins@bauhopkins.com, www.bauhopkins.com

BAU/Hopkins - UGSI**Booth(s): 423**

UGSI provides polymer systems: "Dynablend & Polyblend" compact liquid blending unit, "Dynajet" Hybrid systems for mixing and feeding liquid and dry polymers, custom systems-factory prepiped and skid mounted.

Contact: Robert Hopkins, 310 South St, Plainville, MA 02762-1547, (508) 699-9300, bhopkins@bauhopkins.com, www.bauhopkins.com

BAU/Hopkins - Verder**Booth(s): 422**

Verder offers peristaltic hose and tube pumps. The unique design of Verder Peristaltic Pumps make them ideally suited to a wide range of application needs.

Contact: Robert Hopkins, 310 South St., Plainville, MA 02762-1547, (508) 699-9300, bhopkins@bauhopkins.com, www.bauhopkins.com

BDP Industries**Booth(s): 174**

Contact: Brian Olsen, 176 Amity Rd.102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

BioChem Technology, Inc.**Booth(s): 183**

BioChem Technology, Inc. pioneers in automated aeration control. We differ from traditional PI controls by applying ASM modeling along with big data analysis. The result is more consistent control result, more stable operation and better overall efficiency. We've recently become part of the GL-TURBO group, which specializes in designing and manufacturing efficient dual-vane controlled turbo blowers. Combined with advanced GL-TURBO blowers, we are in a unique position to offer Energy Saving Performance Contracting (ESPC) services to our customers. Without any upfront investment, our customers can enjoy the service of state of art GL-TURBO blowers along with proven BioChem control systems. After a brief period of sharing energy savings, our customers will own both the blowers and the control systems for free. BioChem - We are here to make ESPC work for our customers.

Contact: James Jin, 221 Boston Post East Rd Ste, 430, Marlborough, MA 01752, james.jin@biochemtech.com, www.biochemtech.com

Biorem Booth**Booth(s): 158**

Biorem offers an array of technologies for the removal of odors, Hydrogen Sulfide (H2S), Volatile Organic Compounds (VOCs) and hazardous air pollutants (HAPs). They are available in many sizes and options from smaller integrated modular units to our larger custom designed field erected systems.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

BioSafe Systems, LLC**Booth(s): 208**

BioSafe Systems, LLC is a company leading innovations since 1998 for environmentally sustainable practices and products that protect crops, water, and people. Our success hinges on a commitment to customer service, quality research, regulatory compliance, and the willingness to adapt. BioSafe Systems is a family-owned and operated company certified by NQA to ISO 9001:2015, 14001:2015, and 45001:2018, and our products are manufactured proudly in the United States.

Contact: Bob Greene, 22 Meadow St., East Hartford, CT 06108, (860) 462-2365, bgreene@biosafesystems.com, www.biosafesystems.com

BMC CORP (Bronze Sponsor)**Booth(s): 161**

BMC Corp has the equipment, technology, and knowledgeable staff for all your stormwater and sewer maintenance support service needs. Our late-model equipment and certified, professional, and uniformed operators are a pleasure to work with and ensure that everything we do from taking care of your pipe jetting and vactor needs to CCTV stormwater inspection/CCTV Pipe Camera/CCTV sewer camera and pipe inspection are done with the highest standards. We also supply equipment for all your high-velocity jetting/ Vac projects.

Contact: Richard Corsetti, PO Box 60, Pinehurst, MA 01866, (781) 273-0398, rich@pipejetter.com, www.pipejetter.com

Boerger Booth**Booth(s): 157**

Boerger manufactures rotary lobe pumps, macerating technology, separation technology and feeding technology to convey low to high viscous and abrasive media.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Boyson and Associates, Inc.**Booth(s): 497, 498**

Boyson and Associates, Inc was founded in 1985 and is a customer driven Water and Wastewater Solutions based Equipment Representative. Longtime Principals include enclosed package Water and industrial wastewater MBR Plants. Additional Major Lines include Centrisys/CNP USA manufacturer of Centrifuges for all thickening and dewatering applications and CNP Sludge Reduction, Atara Conveyors, MFG Weirs and Baffles, Hallsten Aluminum Covers, Daniel Odor Control, Loprest Water Treatment.

Contact: Brian Boyson, 41 Greenside Way, Methuen, MA 01844, (508) 889-6371, brianjboyson@outlook.com, www.wastewaterequipmentboyson.com

Brenntag North America**Booth(s): 211**

Brenntag Water Treatment your Partner in Solutions for Water Treatment. WE DO JAR TESTING! Our experienced and dedicated team will apply their application knowledge to provide solutions for your toughest water related challenges. We distribute dispersants & antiscalants, coagulants, flocculants, biocides, scale inhibitors, corrosion inhibitors, defoamers, permanganates, filtration media, NSF certified products and facilities, as well as products for heavy metals removal and odor control. Source from the Experts!

Contact: Doug Arlow, 5083 Pottsville Pike, Reading, PA 19605, (484) 507-9944, darlow@brenntag.com, www.brenntag.com

Brentwood**Booth(s): 156**

Brentwood provides robust and cost-effective water clarification and biological treatment solutions, including Polychem non-metallic chain and flight scrapers, tube settlers, sediment removal systems, trickling filter media, and submerged fixed-film media.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Brown and Caldwell (Gold Sponsor)**Booth(s): 412**

Brown and Caldwell (BC) is one of the largest environmentally-focused firms and a leader in adapting state-of-the-art approaches to safeguard drinking water, maintain sanitary systems, improve vital infrastructure, and restore habitats to keep our communities thriving. We offer full-service engineering, construction, program management, and science and research services. Our bottom line is the success of our clients.

Contact: Colin O'Brien, One Tech Dr Ste. 310, Andover, MA 01810, (978) 983-2049, cobrien@brwnclld.com, www.brownandcaldwell.com

C-Green, c/o Next Rung Technology**Booth(s): 204**

Next Rung Technology (engineering firm located at Greentown Labs), in partnership with C-Green (a wastewater biosolids thermal process). Next Rung is an engineering company that helps new sustainable technologies with scale up and commercialization. We work with multiple companies and processes for the water and wastewater industry.

Contact: Susanne Feagin, 444 Somerville Ave, Somerville, MA 02143, (978) 675-5542, sfeagin@nextrungtechnology.com, www.nextrungtechnology.com

C.N. Wood Co., Inc.**Booth(s): 457**

For over 50 years, C.N. Wood has been a trusted heavy construction equipment dealer throughout New England. We know the importance of the work you do and we are here to support you. With C.N. Wood, you're never alone!

Contact: Jennifer Krouse, 200 Merrimac St., Woburn, MA 01801, (781) 935-1919, jkrouse@cn-wood.com, www.cn-wood.com

Carl Lueders & Company**Booth(s): 485**

Instrumentation and Controls.

Contact: Mark Lueders, 258 Main St Unit 7, Medfield, MA 02052, (617) 435-4622, markalueders@cs.com, www.luederscompany.com

Carlsen Systems, LLC (Gold Sponsor) Booth(s): 164-167 & 173-176
Carlsen Systems distributes water and wastewater equipment across New England.
173 - Sulzer Pumps 174 - BDP Industries
175 - WesTech Engineering 164 - Evoqua Water Technologies
165 - Duperon Corporation 166 - Ford Hall
166 - Thermal Process Systems 176 - Ixom Watercare
167 - World Water Works 167 - Flottweg Separation Technology
Contact: Brian Olsen, 176 Amity Rd.102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlensystems.com, www.carlensystems.com

Casella Organics (Sponsor) Booth(s): 150
Casella Organics is an industry leader in the transportation, recycling, processing and marketing of organic and mineral resources including biosolids, short paper fiber, ash, liming agents, food wastes, and compost.
Contact: Patrick Ellis, 755 Banfield Rd Ste. 201, Portsmouth, NH 03801, (603) 290-5819, Patrick.Ellis@casella.com, www.casellaorganics.com

Chadwick-BaRoss Booth(s): 419
Chadwick-BaRoss (formerly J.F. McDermott Corp) is a stocking dealer representing some of the top manufacturers in the water and waste water industry and serving all of New England. Our product line includes Envirosight camera systems, Sewer Equipment of America jetting, vacuum, hydro excavation, & combination machines, Stoneage Nozzles, Duracable, Rigid, Cherne and Odra Mechanical Sweepers. We have been serving New England for over 70 years in the area of water and waste water solutions. Our clients range from municipalities to independent contractors, and our services extend from utilities maintenance to environmental concerns. Our facility is stocked with a multi-million dollar inventory of tools, supplies and equipment ready to deliver or ship to keep you up and running.
Contact: Brendan Kennedy, 1235 Auburn St, Whitman, MA 02382, (508) 580-7740, brenan.kennedy@chadwick-baross.com

Champlin Associates, Inc. Booth(s): 444
Champlin Associates provides water and wastewater equipment throughout New England. We specialize in municipal and industrial water and wastewater pumps, controls, instrumentation, filtration, remote SCADA, and treatment. We are committed to understanding and supporting your complete operation in order to provide effective solutions for water and wastewater applications. Whatever your water or wastewater needs, give Champlin Associates a call.
Contact: Alec Distler, 6 Pinecrest Dr, Essex Junction, VT 05452, (802) 879-7136, alec@champlinassociates.com, www.champlinassociates.com

Charter Machine Booth(s): 154
Charter Machine Co makes everything dewatering. ELODE drying, Belt Filter Presses, Screw Presses, GBT's, Rotary Drums, Polymer Systems, Conveyors and more right here in the U.S.A.!!
Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Chemscan Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Continental Blower Booth(s): 452, 453, 460, 461, 468, 469
Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Continental Carbon Group Booth(s): 464
Continental Carbon Group is a solutions provider for a wide range of air and water treatment applications, including odor control, adsorption, filtration, disinfection and remediation. Our proven technologies have been installed in municipal, industrial and construction site settings across North America and our technical staff is ready to assist with your most challenging treatment issues.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Coyne Chemical Environmental Services Booth(s): 127
Chemical distributor for all your water and wastewater treatment requirements along with the technical expertise to perform on site evaluations for all products offered.
Contact: Kevin Brassard, 3015 State Rd , Croydon, PA 19021-6997, (215) 785-3000, kbrassard@coynechemical.com, www.coyneenvironmental.com

Cretex Specialty Products Booth(s): 199
Leading manufacturer of Mechanical Internal and External Manhole Frame-Chimney Seals and other products used to stop or prevent Inflow & Infiltration, including PRO-RING, a lightweight grade adjustment system used for manholes and underground utility structures.
Contact: Luke Robinson, N25 W23790 Commerce Circle Ste. E, Waukesha, WI 53188, (262) 542-8153, info@cretexseals.com, www.cretexseals.com

CSI Controls Booth(s): 450
CSI Controls® is a leading manufacturer of liquid level control products. We have been servicing the water and wastewater industries since 1993. CSI Controls® is a brand of SJE®. Our 52,000 sq. ft., UL-Listed manufacturing facility is headquartered in Ashland, Ohio.
Contact: Greg Harmon, 211 White Oak Hill Rd , Poland, ME 04274, (207) 998-8100, greg.harmonco@gmail.com, www.csicontrols.com

CUES, Inc. (Bronze Sponsor) Booth(s): 109
As the worlds leading manufacturer of water, wastewater, and stormwater inspection equipment, CUES provides the necessary tools for both pipeline inspection and repair. For 50+ years, CUES has manufactured the most rugged and reliable pipeline inspection equipment in the industry.
Contact: Richie Sheridan, 3600 Rio Vista Ave, Orlando, FL 32805, (407) 849-0190, rsheridan@cuesinc.com, www.cuesinc.com

Danfoss Booth(s): 455
Our Engineering Tomorrow mindset dates back to September 1, 1993, when Mads Clausen founded Danfoss in his parents' farmhouse in Nordborg, Denmark. Since then, the business has grown from a solo enterprise into one of the world's leading suppliers of energy-efficient and innovative Drive Solutions.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

De Nora Water Technologies, LLC Booth(s): 401-406
DeNora Water Technologies is a leader in disinfection and filtration technologies.
Contact: Kate McFarland, Regional Sales Manager, tel:412-419-4341, kate.mcfarland@denora.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Denali Water Solutions, LLC Booth(s): 494
Denali provides Beneficial Use, Composting, Dewatering, Food Waste Management, and other Landfill Diversion services along with Residuals and Biosolids management, Equipment Rental & Emergency services, Lagoon & Digester Cleaning services, and Operations & Maintenance services of water/wastewater treatment, compost, and other organic waste facilities.
Contact: Anita Dean, 10 Stuart Rd, Peabody, MA 01960, anita.dean@denaliwater.com,

DN Tanks Booth(s): 478
DN Tanks helps keep the worlds most precious resource safe by designing and constructing prestressed concrete liquid storage tanks. Our mission is to provide our clients around the world with the highest quality liquid storage at the best long-term value with an unrivalled customer experience. To do this, we form strong, collaborative relationships that ensure exceptional outcomes. The results are long-term performance, durability, reliability, minimal maintenance requirements, and lowest cost of ownership. With over 90 years of experience, and a deep commitment to helping clients meet the emerging needs of today and tomorrow, DN Tanks is Built for the Future.
Contact: Kevin Desjardins, 11 Teal Rd , Wakefield, MA 01880, (781) 246-1133, kevin.desjardins@dntanks.com, www.dntanks.com

Duke's Root Control, Inc.**Booth(s): 492**

Dukes focus is to help our customers collection systems run efficient and cost effectively so they can provide citizens with the best service possible. In 1979, Dukes identified a need for root control and became trailblazers in the industry - perfecting chemical root control. Today, Dukes continues to build on its innovative culture with a range of technology solutions for F.O.G. and I/I that transition clients operations and maintenance programs from reactive to proactive. Our solutions pinpoint critical defects and capacity problems to isolate rehabilitation, prolonging the life of existing infrastructure and reducing costs.

Contact: Lynn Heffron, 1020 Hiawatha Blvd W, Syracuse, NY, 13204, (315) 472-4781, lynn@dukes.com, www.dukes.com

Duperon Corporation**Booth(s): 165**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

ECS**Booth(s): 152-158 & 181**

ECS Environmental Solutions offers a complete line of vapor phase odor control technologies and accessories with over 150 new installations each year | 150 Direct Employees | 22 Degreed Engineers | 165,000 ft2 of Manufacturing capacity in two US locations.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

EJ**Booth(s): 197**

EJ is the global leader in the design, manufacture, and distribution of access solutions for the worlds growing infrastructure. From water and sewer, to drainage, telecommunication, and utility projects, EJ has the solution to fit your projects needs. The EJ legacy dates back to 1883 when our first manufacturing facility was built in East Jordan, Michigan, USA. Decades later, we are now a global enterprise that spans six continents promoting innovation, quality, and a commitment to customer service.

Contact: Brian Steitz, 1125 Pearl St, Brockton, MA 02301, (315) 708-7739, brian.steitz@ejco.com, www.ejco.com

Enereau Systems Group, Inc.**Booth(s): 188**

Enereau Systems Group Inc. has developed a family of standardized and modular Membrane BioReactor (MBR) platforms for sanitary and industrial process wastewater applications in the range of 1,000 USgpd to 100,000 USgpd, the nrPUR series. These advanced systems are designed to be operated and maintained easily, and offer an affordable solution to treat wastewater to reuse quality or to safe discharge levels. All systems are factory-assembled and tested and shipped as modular units for quick and easy installation and are flexible to be installed in both greenfield and retrofit applications.

Contact: Craig Hotchkies, 19 Driftwood Trail, Ridgeway, ON, L0S 1N0, (905) 993-1761, craig.hotchkies@enereau.com, www.enereau.com

Envirogen Technologies, Inc.**Booth(s): 401-406**

Modular Biofilters; Biotrickling Filter and Biofilter Systems; Pre-Engineered Concrete Biofilter – Built-in-Place Solutions.

Contact: Rob Loken, 2627 Chestnut Ridge Road, Suite 200, Kingwood, TX 77339, cell: 815-904-9001, rloken@envirogen.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Environment One Corporation- A PCC Company**Booth(s): 401-406**

ALL-TERRAIN SEWER™ from E/One serves communities with failing septic tanks, deteriorating gravity infrastructures, and/or challenging topography. E/One's grinder pump driven, pressure sewer systems carry a proven track record of reliability with the lowest life-cycle cost in the industry.

Contact: Greg Wall, 2773 Balltown Rd, Niskayuna, NY 12309, tel: 518-344-9802, gwall@eone.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Environmental Operating Solutions, Inc. (EOSI)**Booth(s): 449**

Environmental Operating Solutions, Inc. (EOSI) has been providing green chemicals and technical services for biological contaminant removal applications in water and wastewater treatment systems since 2003. Our agriculturally-derived MicroC line of products (MicroC 1000 - MicroC 4000) address contaminants including nitrogen, phosphorus, selenium and perchlorate providing a non-hazardous and environmentally sustainable alternative to chemicals such as methanol. MicroC products are also used as BOD supplements to sustain biomass during plant maintenance and to establish biomass for new plant startups. EOSI currently provides more than 550 wastewater treatment plants with a safer, more effective and environmentally sustainable solution as compared to methanol and other carbon sources.

Contact: Ben Smith, 53 Portside Dr, Pocasset, MA 02559, (603) 361-0816, benjamin.smith@microc.com, www.microc.com

ENZ, USA, Inc.**Booth(s): 207**

ENZ is the leading manufacturer of innovative tube, pipe, sewer, and surface cleaning tools, manufactured to the highest Swiss-made quality standards. We supply the world with the largest selection of high-tech nozzles ensuring you can remove even the strongest roots, debris, concrete inflow, and encrustations.

Contact: Brian Gerlach, 1585 Beverly Ct Ste. 115, Aurora, IL 60502, (630) 220-5325, brian@enz.com, www.enz.com/en-us/home

EST Associates (Platinum Sponsor)**Booth(s): 146**

EST Associates, Inc. (EST) is an environmental services company providing safe, reliable, and cost effective collection system services including: open channel flow monitoring, telemetry systems, water quality monitoring, manhole inspections, CCTV investigations, and related field services.

Contact: John Carlin, 124 Crescent Rd, Needham, MA 02494, (781) 455-0003, jcarlin@estassociates.com, www.estassociates.com

Evoqua Water Technologies**Booth(s): 164**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

F.R. Mahony & Associates (Gold Sponsor)**Booth(s): 401-406**

We are a water and wastewater manufacturers' representative serving New England since 1964. Our staff of experienced engineers provides a wide range of knowledge and expertise with a focus on a systems approach and customized solution for your applications. See us in Booths 401 through 406.

Contact: Ed Quann, 273 Weymouth St, Rockland, MA 02370, (781) 982-9300, edquann@frmahony.com, www.frmahony.com

Fab-Tech**Booth(s): 153**

Fab-Tech is the leading innovator in coated metal fume exhaust duct systems; offering PSP®, a revolutionary hybrid fluoropolymer coated stainless steel duct system recognized worldwide as the premier solution for corrosive and hazardous fume exhaust needs. 100%recyclable to help reduce GHG Emissions for a Circular Economy.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Ferguson Waterworks**Booth(s): 418**

As a leader in GSI and LID, Ferguson offers a selection of urban green waterworks solutions space efficient storage, filters and screens, biofiltration and media, and alternative surfaces. These help overcome urban stormwater challenges in private site and municipal projects. Beyond the products, Ferguson offers comprehensive design and jobsite assistance.

Contact: Mark Lavallee, 23 Concord St, North Reading, MA 01864, mark.lavallee@ferguson.com, www.acfenvironmental.com

Flottweg Separation Technology**Booth(s): 167**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

Flow Assessment Services (Platinum Sponsor)**Booth(s): 135, 136**

A professional services company that specializes in flow monitoring for I/I studies & CSO notification. Our Services also include all aspects of I/I study work including smoke testing, flow isolation, manhole investigation & building inspections.

Contact: Paul Casey, 72 Priscilla Lane, Auburn, NH 03032, (603) 396-4519, p2casey@flowassessment.com, www.flowassessment.com

Flow Tech, Inc.**Booth(s): 171**

Flow Tech, Inc. proudly serves New England's water and wastewater markets. We are the local representative of ABB ACQ580 variable frequency drives. We offer VFD retrofits, factory start-up, service, training, preventative maintenance, harmonic mitigation, and we stock ABB VFDs, up to 200 HP, for water and wastewater applications.

Contact: Brian Robinson, 10 Bidwell Rd, South Windsor, CT 06074, (860) 221-0875, Robinson@FlowTechInc.com, www.FlowTechInc.com

Flowserve Pump**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

FlowWorks**Booth(s): 443**

A Seattle, Washington company, FlowWorks provides a cloud-based Software as a Service (SaaS) providing data management and analytical tools for the water/wastewater industry. In use for over a decade FlowWorks has been a critical provider of data services for hundreds of municipalities, authorities, and agencies managing many thousands of flowmeters, rain gauges, and various other monitoring instrumentation. FlowWorks is at the forefront of developing a new generation of Machine Learning-based tools for the industry as well. In 2018 FlowWorks released Infiltration & Inflow analysis tool - the industry's first and only fully autonomous, continuously operating Infiltration & Inflow analysis tool. In January 2019 FlowWorks released several new tools capable of forecasting when and where municipalities will experience specific wet-weather events like Combined Sewer Overflows, Sanitary Sewer Overflows, and basement flooding.

Contact: Trent Kamins, 1001 4th Ave Unit 3200, Seattle, WA 98154, (206) 496-2574, tkamins@flowworks.com,

Ford Hall**Booth(s): 166**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

Fournier**Booth(s): 465**

Fournier Dewatering offers the best dewatering solutions for all types of sludges and slurries. The capability of being able to offer the Fournier Rotary Press™ or the Filter Press allows us to offer a solution ideal for each unique application.

Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Franklin Miller, Inc.**Booth(s): 401-406**

An innovative force in wastewater grinding for in-line, open channel, septic receiving, screening technology, and gravity systems.

Contact: Joe Macula, Regional Sales Manager, 60 Okner Parkway, Livingston NJ 07039, tel: 973-202-7290, jmacula@franklinmiller.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Franzenburg Centrifuges (Sponsor)**Booth(s): 162**

Franzenburg Centrifuges is a centrifuge focused aftermarket service group for all brands of decanters centrifuges used in the municipal water and wastewater industry. We are a leading group of specialist in the optimization for liquid-solid separation applications.

Contact: Sean Tierney, 2301 Dean Ave, Des Moines, IA 50317, (515) 423-8982, sean@frznbrg.com, www.frznbrg.com

GA Fleet - Fleet Pump&Service**Booth(s): 145**

Contact: SERDAR UMUR, 6 International Dr, Rye Brook, NY 10573, (914) 548-6062, sumur@gafleet.com, www.gafleet.com

GEA Westfalia**Booth(s): 157**

GEA Westfalia centrifuges for dewatering and thickening. Featuring nearby New Jersey service center, on-site service from GEA certified technicians and extensive US spare parts inventory. Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

GeoTree Solutions**Booth(s): 140**

GeoTree Solutions provides GeoSpray and GeoSpray HCE geopolymer mortar solutions for large diameter pipe and manhole rehabilitation. The geopolymer is sprayed on to create a corrosion resistant structurally independent pipe inside the old pipe. For pipe rehabilitation, geopolymer is a competitive alternative to CIPP with a smaller construction footprint and no styrene smell. As an alternative to slip lining, geopolymer does not require any insertion pits and can be applied around bends and turns and to any pipe shape. For manhole lining, geopolymer is a one-step application that provides both structural strength and corrosion resistance all in one material. It is an economical alternative to two step applications of Portland cement and epoxy and is easier to install than calcium aluminate.

Contact: Scott Naiva, 707 Old Eagle School Rd, Wayne, PA 19087, (610) 971-0362, snaiva@cs-nri.com, www.cs-nri.com/brands/geotree-solutions

Glasco**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Green Mountain Pipeline Services (Silver Sponsor)**Booth(s): 442**

Offering a wide range of Pipeline Rehabilitation Services to meet your trenchless pipeline needs. Green Mountain Pipeline Services owners have over 65 years of combined experience in the pipeline rehabilitation market and put that experience to work every day where it counts the most in the field. With an owner personally handling your project you can count on results. This experience offers you a wide range of services that can solve trenchless pipeline rehabilitation issues. From design to implementation Green Mountain Pipeline Services gets the job done right the first time. We focus on service. Our experience has also allowed us to come to know who can be counted on to get the job done efficiently & right the first time. We not only want to work with you today, but 20 years from now while making every day in between a partnership in success!

Contact: Ray Bahr, 768 South Main St. Unit 1, Bethel, VT 05032-4472, (860) 986-1072, ray@greenmountainpipe.com, www.greenmountainpipe.com

Grubdfos Pumps**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Hach**Booth(s): 193**

We make water analysis better, faster, simpler, greener and more informative, via unsurpassed customer partnerships, the most knowledgeable experts, and reliable, easy-to-use solutions.

Contact: Greg Bleszinski, 55 Hedgerose Way, Manchester, NH 03102, (860) 690-5236, gbleszin@hach.com,

Hazen and Sawyer (Gold Sponsor)**Booth(s): 139**

All things Water - Hazen and Sawyer develops practical solutions to water quantity and quality challenges around the globe. Backed by one of the industry's most comprehensive and advanced applied research portfolios, our engineering and scientific teams work exclusively with water. If you're trusted to protect public health or the environment, we can help.

Contact: Nick Ellis, 24 Federal St FL Boston, MA 02110, (617) 574-4747, nellis@hazenandsawyer.com

Hidrostral Pumps**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

High Tide Technologies**Booth(s): 401-406**

High Tide Technologies is an end-to-end cloud-based SCADA company using Cellular, Satellite, and Ethernet Communication that enables you to monitor & control your Water & Wastewater system from anywhere without spending a fortune.

Contact : Erin Pigza, Regional Sales Manager, 724-732-4455, erin.pigza@htt.io - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Hobas Pipe USA**Booth(s): 142**

Hobas Pipe USA is a leading North American producer of corrosion-resistant Fiberglass (FRP) Products, for pressure and gravity applications, serving the water, wastewater and power industries. Pipe sizes ranging from 12 to 126 inches in diameter with working pressures up to 450 psi. Hobas manufacturing capabilities include fully structural non-circular pipe and vertical structures (manholes) including fittings, standard and custom design, such as lateral tees, reducers and bifurcations. Hobas FRP products provide a 150-year design life with performance features unmatched by other pipe materials. A sustainable solution for new construction as well as the replacement and rehabilitation (sliplining) of our critical and aging infrastructure.

Contact: Keith Merl, 1413 E Richey Rd, Houston, TX 77073, (862) 754-0438, kmerl@hobaspipe.com, www.hobaspipe.com

Holland Company**Booth(s): 500**

New England's leading manufacturer of high quality inorganic coagulants for water purification. Aluminum Sulfate, Polyaluminum Chloride, Sodium Aluminate, Aluminum Chlorohydrate and blends. On site testing and recommendations provided.

Contact: Matt Holland, 153 Howland Ave., Adams MA 01220, (413) 743-1292, matt.holland@hollandcompany.com

Homa Pump**Booth(s): 102, 104**

Homa Pump located in Ansonia, CT manufacturers submersible and dry pit submersible sewage pumping systems.

Contact: Gary MacDonald, 130 Utopia Rd Unit 6, Manchester, CT 06045, gmacdonald@msipump.com, (860) 918-2541, www.msipump.com

Howden Roots**Booth(s): 154**

Howden designs and manufactures high performance aeration technology products and systems for municipal and industrial water treatment applications. Howden is home to the Roots™, Spencer® and Turblex® family of Blowers and Compressors that deliver optimum performance for mission critical air and gas handling.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Hydro-Action**Booth(s): 190**

Hydro-Action® is a manufacturer of advanced onsite wastewater treatment systems with over 30 years of industry experience and thousands of systems installed both domestically and internationally. We are certified to the NSF Standard 40 & NSF Stanard 245 for Nitrogen Reduction. Our technology utilizes an activated sludge treatment process, which constantly infuses oxygen to wastewater where aerobic bacteria metabolize the waste. Then it separates in a clarification chamber without the use of media filters, carbon additives, or expensive, high maintenance technologies. We offer our products in a three tank combination as a single unit: pretreatment, aerobic treatment, and pump tank design as the Set-N-Go unit. We also sell our tanks as individual treatment plants.

Contact: Pete Sabo, PO Box 640, Plymouth, IN, 46563, (574) 276-9681, pete@hydro-action.com, www.hydro-action.com

Hydro-Dyne Engineering**Booth(s): 401-406**

USA based manufacturer of water and wastewater screening equipment;

Contact: Neil Robinson, Regional Sales Manager; 4750 118th Avenue North, Clearwater, FL 33762, tel: 813-818-0777, fax: 813-818-0770, neil.robinson@hydro-dyne.com - Represented by: F.R. Mahony & Associates – See us in Booths 401 through 406.

Hydromatic Pump**Booth(s): 102, 104**

Submersible Sump, Sewage and Grinder pumps for New England. Oil filled motor for superior cooling, premium efficient motors and extended warranties. A Pentair Company

Contact: Gary MacDonald, 130 Utopia Rd Unit 6, Manchester, CT 06045, gmacdonald@msipump.com, (860) 918-2541, www.msipump.com

Industrial Flow Solutions**Booth(s): 178**

Industrial Flow Solutions (IFS) specializes in the design, manufacturing, sales and service of submersible pumps, direct in-line pumps and control solutions for industrial, commercial, residential and municipal applications. With a comprehensive portfolio of brands including OverWatch Direct In-Line Pump Systems, BJM Pumps®, Stancor® Pumps and Controls, Oil Minder® DERAGGER and Dreno Pumps, IFS is your trusted partner to turn flow problems into flow solutions. Headquartered in New Haven, CT USA, IFS offers industry leading lead times and unsurpassed responsiveness with a personal touch.

Contact: Jim Huck, 104 John W Murphy Dr , New Haven, CT 06513, (860) 876-5320, jhuck@flowsolutions.com, www.flowsolutions.com

Infiltrator Water Technologies**Booth(s): 180**

Infiltrator is the leading manufacturer of onsite wastewater treatment products in North America. Infiltrator has continually introduced innovative products that meet increasingly stringent environmental and regulatory onsite wastewater treatment requirements. There are over 3 million Infiltrator systems installed worldwide.

Contact: Evan Dalton, 4 Business Park Rd, Old Saybrook, CT 06475, (413) 426-7233, edalton@infiltratorwater.com, www.infiltratorwater.com

InnovaTreat**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Inovair**Booth(s): 464**

U.S. Manufacturer of high-efficiency, integrally-gear turbo blowers and systems focused on smaller plants (<10MGD).

Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Ishigaki USA**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Ixom Watercare**Booth(s): 176**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

J&R Sales and Service, Inc.**Booth(s): 111**

J&R Sales and Service, Inc. (J&R) is a manufacturers representative for two onsite wastewater treatment technologies. J&R represents BioMicrobics and GEOFLOW throughout New England in sales, installation support, and warranty issues. Providing onsite wastewater treatment solutions for over 20 years, we focus on promotion of the manufacturers technologies to design engineers, installers, and end users.

Contact: Lauren Usilton, 44 Commercial St Ste. 8, Raynham, MA 02767, (508) 823-9566, lauren@jrsalesinc.com, www.jrsalesinc.com

JDV Equipment Corp**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

JWB - Electroscan/Nivelco/Autrol America (Sponsor)**Booth(s): 433**

A simple Electro Scan fact pipe defects that leak water also leak electricity. Our technology can detect leaks whether or not water leaks are occurring at the time; not possible with any other currently available evaluation method. Using Electro Scan, one can determine accurate location, measurement, and flow of potential defects within a pipe. Prioritize your collection system rehabilitation project projects, and make lining contractors responsible for leak free liners by requiring verification by simply adding ASTM 2550 Focused Electrode Leak Location (FELL) to you next lining contract! Nivelco, USA, is an industry leader in non contact and contact level monitoring instrumentation. Technologies include ultrasonic, radar, and guide wave radar. Industry proven products include EchoTrek, MicroTrek, PiloTrek, EasyTrek and MultiCont. All Nivelco products carry a 5 year factory warranty! The best in the industry! Autrol America brings an impressive line of very competitive smart process transmitters for differential pressure, flow, pressure and temperature. Hart programmable and/or complete configurable with built in pushbutton programming. 100:1 turndown.

Contact: James Birkenberger, JWB Company, 65 August Avenue, Wolcott, CT t: (203)879-6959
jamie@jwbcompany.net, www.jwbcompany.net

JWB - Pribussin/Motor Protection Electronics (MPE)/Optifloat (Sponsor) Booth(s): 432

Pribussin offers unique and unsurpassable telemetry products for the water and wastewater industry. Non licensed/licensed wireless, cellular, dial up and FSK telemetry systems so simple, that programming is not required. I/O to I/O mirror, point to point and point to multipoint configurations. Pribussin also offers a full line of signal conditioners for every imaginable application. Motor Protection Electronics, Inc. manufactures pump monitors, phase monitors, voltage monitors, duplex alternators, intrinsically safe relays and industrial/municipal pump controllers for wastewater, water and, control panel builders. MPE manufacturers wastewater level probes that are compatible with all MPE Controllers as and other manufacturers.

The Opti-Float level detector is a revolutionary innovation in float switches. Its mercury and lead free. Using fiber optic cable, it transmits a beam of light from an LED in a remote transceiver down to the float, where the beam makes and breaks depending on the tilt of the float. So now, for the first time, floats can be used directly without special equipment in hazardous locations. Outlasts ALL convention mechanical floats!

Contact: James Birkenberger, JWB Company, 65 August Avenue, Wolcott, CT t: (203) 879-6959,
jamie@jwbcompany.net, www.jwbcompany.net

JWB - Toshiba/Halogen (Sponsor)**Booth(s): 431**

Toshiba offers electromagnetic flowmeters and microwave density (consistency) analyzers. All Toshiba electromagnetic flow meters are backed by a 10-year warranty. Halogen Systems - Simplify the monitoring process of ensuring your company complies with regulations before effluent waters get discharged into lakes, rivers, or the ocean. The Halogen Chlorine Analyzer improves your control and accuracy with far less maintenance. Wastewater treatment plant operators should take notice of this new product. This new technology can save many manhours, improve processes, and reduce cost, both CAPEX and OPEX, for plants.

Contact: James Birkenberger, JWB Company, 65 August Avenue, Wolcott, CT 06716 tel: (203) 879-6959, fax: (203) 879-7299, jamie@jwbcompany.net, www.jwbcompany.net Manufacturing Rep: JWB Company

JWC/Muffin Monster**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Kemira Water Solutions**Booth(s): 200**

Kemira is a global chemicals company serving customers in water intensive industries. We are a global leader supplying high quality aluminum and iron-based coagulants, polymeric flocculants, biocides and process additives for water and wastewater treatment applications. Kemira is the only basic manufacturer of the full range of solid/liquid separation chemistry. Our application knowledge and full product portfolio make it possible to help you find a product for every specific need. Chemistry with a purpose. Better every day.

Contact: Catherine Brosseau, 3405 Rte Marie-Victorin, Varennes, Quebec J3X 0J4, (514) 601-5785,
catherine.brosseau@kemira.com, www.kemira.com

Kiewit (Sponsor)**Booth(s): 194**

Kiewit is one of North Americas largest and most respected construction and engineering organizations. With its roots dating back to 1884, the employee-owned company operates through a network of offices and subsidiaries in the United States, Canada, and Mexico. Kiewit has over 70 years of experience in the water market, and has completed over 1,500 water and wastewater projects. Kiewit delivers innovative solutions for clients, such as utilities, and government agencies to treat, distribute, and control water and wastewater without interruption to existing operations. Our tailored project execution approach layers client standards over Kiewits proven procedures to produce customized, high-quality designs resulting in seamless project execution and delivery for projects of all sizes and complexities anywhere in North America.

Contact: Steven Greseth, 8900 Renner Blvd, Lenexa, KS 06219, (502) 759-3695, steven.greseth@kiewit.com, www.kiewit.com/markets/water

Kleinfelder (Silver Sponsor)**Booth(s): 149**

We are engineers, scientists and construction professionals providing planning, design and construction solutions that improve our clients' water infrastructure.

Contact: Ben Stoddard, One Beacon St Ste. 8100, Boston, MA 02108-3129, bstoddard@kleinfelder.com, www.kleinfelder.com

Lakeside**Booth(s): 181**

Serving New England with more than 110 RAPTOR Screens, 40 Oxidation Ditches, 60 Spiraflo Clarifiers, 25 Grit Removal installations, and 20 Screw Pump installations.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

LandTech Consultants, Inc.**Booth(s): 137**

We help minimize facility downtime by capturing precise existing conditions and identifying infrastructure conflicts prior to construction. Our team delivers the most cost-effective and accurate solutions for our clients using 3D laser scanning, 3D modeling, reality capture and digital twin technologies. Utilizing 3D models, we create digital twins and integrate them into operations and maintenance to reduce operating costs, improve efficiencies, and provide solutions to staffing issues.

Contact: Christopher Lorrain, 515 Groton Rd , Westford, MA 01886, (978) 692-6100, clorrain@landtechinc.com, www.landtechinc.com

Lone Star Blower**Booth(s): 401-406**

Your ONE Solution - Blowers • Compressors • Controls • Service • Parts • Rentals.

Contact: Alex Lequio, 8883 West Monroe, Houston, TX 77061, tel: 832-532-3112, cell: 832-982-8818, alequio@lonestarblower.com – Represented by: F.R. Mahony & Associates, See us in Booths 401 through 406.

M.A. SELMON COMPANY**Booth(s): 195**

Representing Foxboro, Flexim, Schneider Electric, Perma-Cal Gauge, Sage Gas Flow, Level, Wireless, Pressure, Level, Flow, Temp, Wireless, PH, Conductivity

Contact: Brad Selmon, 4 Oxford Rd Ste. D9, Milford, CT 06460, (203) 377-3525, brad@maselmon.com, www.maselmon.com

Maltz Sales Company**Booth(s): 160**

Maltz Sales Company, the leader in fluid handling for the municipal market in New England. Utilizing our industry leading product offerings we offer solutions for applications such as wet and dry pit submersible pumps, transfer pumps, plant water booster systems, chemical feed pumps, chemical storage tanks and mixers.

Contact: Teresa Robbins, 67 Green St Ste. A, Foxboro, MA 02035, (508) 203-2400, teresar@maltzsales.com, www.maltzsales.com

Mass Tank Inspection Services**Booth(s): 110**

Mass Tank Inspection & Services (MTIS) was formed in 2012 and is a division of Mass Tank. Mass Tank has designed, manufactured, inspected, serviced, and repaired many different types of tanks and pressure vessels under the current ownership for 25 years and historically for over 100 years. Together the two divisions support a rich talent pool of approximately 45 skilled professionals from which each draw to provide tank system operators with a highly qualified single source provider of continual asset integrity and regulatory assurance. MTIS is Service-Disabled Veteran Owned Small Business owned by Carl Horstmann. MTIS has multiple inspectors with Top Secret Clearance.

Contact: Sam Horstmann, 29 Abbey Lane, Middleboro, MA 02346, sam@masstank.com, www.masstankinspection.com

Mechanical Solutions inc**Booth(s): 102, 104**

MSI is a manufacturers' representative for heavy duty, high efficiency, reliable pumps, mixers & chemical feed and treatment systems for New England. Introducing the DeRagger, an anti ragging device that thru early detection prevents pump clogs! We have Mixing systems, mechanical or inline static. Chemical Feed systems for water / wastewater facilities. Our Service group with their 5 trucks, provides all our mechanical start ups, mfg's warranties and in field rebuilds.

Contact: Gary MacDonald, 130 Utopia Rd Unit 6, Manchester, CT 06045, gmacdonald@msipump.com, (860) 918-2541, www.msipump.com

Meridian Associates, Inc. (Sponsor)**Booth(s): 147**

Meridian Associates started with humble goals and big aspirations to be the best civil engineering and land surveying firm in the region as measured by our employees and clients. We operate with the discipline of our strategic plan that focuses us on career advancement and furthering our clients' business objectives. Nearly 35 years later, Meridian provides civil engineering, land surveying, laser scanning, aerial & mobile LiDAR, renewable energy design, environmental planning, and landscape architecture services. We are 100% employee-owned through an ESOP. Our actions as employee owners translates to superior firmwide performance resulting in value-added results for our clients.

Contact: Douglas Reed, 500 Cummings Ctr Ste. 5950, Beverly, MA 01915, (978) 299-0447, mai@meridianassoc.com, www.meridianassoc.com

MGD Process Technology, Inc.**Booth(s): 401-406**

Wastewater Treatment Equipment and Engineering Manufacturers of Turborator® Self Aspirating Aerator/Mixer for municipal and industrial applications including sludge mixing and digestion and process mixing and aeration.

Contact: Matthew Dickson, PO Box 654, Boylston, MA 01505, tel: 508-869-2164, Matt.Dickson@MGDProcess.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

National Water Main Cleaning Co.**Booth(s): 107, 108**

Contact: Dennis Sullivan, 25 Marshall St, Canton, MA 02021, (781) 828-0863, dennis@nwmcc-bos.com,

New England Combined Heat and Power Technical Assistance Partnership (CHP TAP)**Booth(s): 209**

The New England Combined Heat and Power Technical Assistance Partnership (CHP TAP) offers complimentary screenings, technical assistance, and expert advice to help determine if CHP is a good fit for your site. As leading experts in CHP - as well as microgrids, heat to power, and district energy - we work with sites to screen for CHP opportunities as well as provide advanced services to maximize the economic impact and reduce the risk of CHP from initial screening to installation. All of our services are provided at no-cost since we are funded by the Department of Energy. Additionally, we do not work on commission, so we don't have any "skin in the game." We simply want to see more successful CHP systems implemented where they make sense.

Contact: Kyle Rooney, 5796 AMC Bldg Room 113, Orono ME 04469, (978) 888-7335, kyle.rooney@maine.edu, www.nechtpat.org

New England Environmental Equipment, Inc.**Booth(s): 438-441 & 446-448**

NE3 has been serving clients throughout New England since 1993. We have over 1,300 Penn Valley Pumps in New England on Primary, Secondary, Septage, Dewatering feed and Truck Fill applications. Teledyne Isco portable and refrigerated samplers and flow meter. Red Valve Company pinch valves, knife gate valves, expansion joints. Tideflex check valves for stormwater and course bubble aeration. RedZone Robotics inspects gravity lines using multi-sensor autonomous robots providing 180 degree visual inspection using laser pipe profiling for wear and material build-up, sonar for submerged debris build-up. Also, NEW 3D LiDAR manhole system. YSI process monitoring systems, ethernet, SCADA compatible, up to 20 sensors per system, including Nitrogen and Phosphorus, many large systems installed in New England. Claro Global: headwork screens, septage receiving, washer compactors, conveyors, grit systems, heat exchangers. Nuvonic in-line UV systems for Wastewater and potable water. Lovibond turbidity meters for wastewater effluent and potable water plants. MJK: magmeters, level sensors. Cornell Pump: among their many other applications Cornell has pumps to suite solids handling, Cutter pumps, Self-Priming pumps, Submersible pumps, and Immersible pumps. SmartCover: A system mounted under a manhole cover to detect and relay information about current water level and H2S levels. Based on the prevention of blockages and spills.

Contact: Robert Mack, One DeAngelo Dr, Bedford, MA 01730, (781) 275-1001, bob@ne3inc.com, www.ne3inc.com

Nexom**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Next-Turbo Blower**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

NORESCO**Booth(s): 409**

NORESCO helps customers create modern, sustainable and healthy buildings, campuses and communities, while saving energy and water, and optimizing operational and capital budgets. NORESKO is also a leader in the effort to address the modern energy infrastructure challenges facing the nation and our world, including decarbonization, electrification, grid flexibility, sustainability and resiliency. Through its projects, NORESKO has guaranteed more than \$5 billion in energy and operating cost savings at more than 10,000 facilities throughout the U.S. and abroad, while reducing customer CO2 emissions by more than 25 million metric tons, equivalent to planting 1.4 million acres of forest.

Contact: Larry Doyle, 1 Research Dr Ste. 400C, Westborough, MA 01581, (484) 502-6705, Lawrence.doyle@noresco.com, www.noresco.com

Northeast Chapter of NASTT.**Booth(s): 214**

Northeast Regional Chapter is a non-profit organization established to promote Trenchless Technology education and development for public benefit in Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont. One of the primary objectives of the Northeast Regional Chapter is to provide opportunities to advance the science and practice of Trenchless Technology by promoting and conducting training and education through seminars, short courses, and field demonstrations, and to make available information thereof to interested and concerned parties. Northeast Regional Chapter is a member of the North American Society for Trenchless Technology.

Contact: Eric Schuler, PO Box 183, Methuen, MA 01844, (315) 435-6820, EricSchuler@ongov.net, www.nenastt.org

Oakson**Booth(s): 484**

The Perc-Rite® Drip Dispersal System is a non-invasive, flexible, and environmentally sensitive means of wastewater disposal, providing equal distribution across hundreds of application points throughout the dispersal field. Oakson is the sole New England distributor, providing design, installation, and operational assistance to the region since 2005. The Perc-Rite® Drip Dispersal System has been utilized on municipal and commercial projects throughout New England for flows over 200,000 gpd.

Contact: Robert Sarmanian, 6 Sargent St, Gloucester, MA 01930, (978) 282-1322 x801, rob@oakson.com, www.oakson.com

Omya, Inc. Booth(s): 170
Omya is a manufacturer of calcium carbonate and other mineral products for the water and wastewater treatment markets. Omya Optical and Omya Neutrasorb are safe and effective alternatives to existing chemicals in the wastewater treatment market for pH neutralization and alkalinity supplementation.
Contact: Joe McDaniel, 9987 Carver Rd, Ste. 300, Cincinnati, OH 45242, (330) 802-3818, joe.mcdaniel@omya.com, www.omya.com

Orege Booth(s): 452, 453, 460, 461, 468, 469
Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Orenco Water Booth(s): 172
With a deep respect for the environment and a long tradition of innovative problem-solving, Orenco Systems® designs and builds the world's best decentralized wastewater systems with pride in Southern Oregon. Our products help ensure the health and safety of people, neighborhoods, and communities everywhere by protecting the world's water. Founded in 1981, Orenco has become an industry leader, with about 350 employees and some 330 points of distribution in North and Central America, Australasia, Europe, and Africa. Our systems have been installed in more than 70 countries around the world.
Contact: Bill Snyder, 814 Airway Ave, Sutherlin, OR 97479, (800) 348-9843, wsnyder@orencowater.com, www.orencowater.com

Parkson Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508) 384-8921, BillJr@Wescor1.net, www.Wescor1.net

POND Technical Booth(s): 434
POND Technical has been providing water and waste water treatment solutions in New England since 1962, with world class instrumentation from Rosemount, Rosemount Analytical, Rosemount Flame & Gas Detection, Micro Motion, Ashcroft, Dynasonics, Fox Thermal, MTL, Eurotherm Chessell, Precision Digital, Emerson Machinery Health, Keystone, and Vanessa.
Contact: Bob Osnoe, 9 Oxford Rd PO Box 446, Mansfield, MA 02048, (860) 316-2570, rosnoe@pondtechnical.com, www.pondtechnical.com

Precision Systems Booth(s): 455
Precision Systems is a manufacturer of packaged equipment for the water and wastewater industry, fully assembled and tested prior to shipment. Our Power-Pac's, Twin Pac's and Hydro-Pac's are available in economical above grade Tip-Up design, full indoor maintenance Walk-In design, and an aesthetically pleasing Partial-Bury design. Field installation time and problems are virtually eliminated.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Primex Controls Booth(s): 467
With nearly a century of expertise, Primex is a recognized leader and the largest provider of completed control solutions for water applications in North America, offering a broad end-to-end suite of products and services. Our state-of-the-art solutions provide our customers with high operational efficiency, reliability, and optimal performance.
Contact: Gregory Harmon, 22650 County Highway 6, Detroit Lakes, MN 56501, (207) 998-8100, greg.harmonco@gmail.com, www.primexcontrols.com

Prominent Fluid Controls Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508) 384-8921, BillJr@Wescor1.net, www.Wescor1.net

Pump Systems Inc Booth(s): 486
Manufacturers Rep and stocking distributor for Water and Wastewater Pumps, Controls and installation components. Covering Maine, New Hampshire, Vermont and Central/Western Massachusetts.
Contact: John Benham, PO Box 269, Franklin, NH 03235, (603) 934-7100, jbenham@pumpsystemsinc.com, www.PumpSystemsInc.com

PureAir Filtration Booth(s): 401-406
Your World Leader in the Removal of Gases, Odors, and Vapors.
Contact: Rick LeShane, Eastern Territory Sales Manager, 6050 Peachtree Parkway, Suite 240-187, Norcross, GA USA 30092, tel 678-935-1431 x 229 cell: 678-858-4342, rleshane@pureairfiltration.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

PW Tech Booth(s): 454
Process Wastewater Technologies LLC (PWTech) is a leading American manufacturer and supplier of unique technologies for use in the water and wastewater industries throughout North America. It is best known for supplying Volute™ technologies for Sludge thickening and dewatering, and screening products primarily utilized in the CSO/SSO market.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Rain for Rent Booth(s): 201
Rain for Rent is a leading provider of temporary liquid handling solutions including pumps, tanks, filtration and spill containment. Projects range from flood relief to construction site dewatering, sewer bypasses and industrial plant turnarounds. The company is known for its systems engineering expertise and its ability to tackle complex jobs cost effectively, providing an exceptionally high value.
Contact: Justin Zalegowski, 28 Trolley Crossing, Charlton, MA 01507, (508) 248-4607, jzalegowski@rainforrent.com, www.rainforrent.com

RCAP Solutions, Inc. Booth(s): 210
RCAP Solutions is a non-profit organization that provides technical assistance to rural communities to address their drinking water, wastewater, solid waste, and other economic development needs.
Contact: Adam Drozd, 191 May St, Worcester, MA 01602, (978) 630-6606, adrozd@rcapsolutions.org, www.rcapsolutions.org

REA Resource Recovery Systems Booth(s): 177
Our holistic approach to managing FOG is unprecedented. From our proprietary Grease Recovery Units to our FOG-To-Biodiesel system, we have developed a comprehensive solution for municipalities and wastewater treatment plant operators that addresses FOG management in an effective and profitable manner. Our system scales to fit the needs of any wastewater treatment plant. It offers a proprietary continuous flow design for continual production of biodiesel from a multitude of virgin (yellow grease) and non-virgin (brown grease) feedstocks, expanding opportunities for WWTPs to receive and process new municipal waste streams.
Contact: Alfonso Barbarotta, 36 River St Ste. R, New Haven, CT 06513, (203) 590-3838, al@rea-systems.com, www.rea-systems.com

Resource Management, Inc. Booth(s): 196
Resource Management, Inc. (RMI) is committed to the land, our environment and the people we serve. We provide responsive, innovative, and high quality organic residuals and recycling services to address our customers interests and needs.
Contact: Shelagh Connolly, 1171 NH Route 175, Holderness, NH 03245, (603) 536-8900, rmi@rmirecycles.com, www.rmirecycles.com

REXA Booth(s): 452, 453, 460, 461, 468, 469
Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Righter Group, Inc. / Tnemec Booth(s): 416
Righter Group offers high performance coatings solutions for a wide array of substrates that include coatings for steel, concrete, exterior precast and masonry. Focusing on performance and long-life cycle, we adapt each coating recommendation to meet specific budget and design intent.
Contact: Larry Mitkus, 187 Ballardvale St Ste. A190, Wilmington, MA 01887, (800) 533-3003, administration@rightergroup.com, www.rightergroup.com

Rodney Hunt Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508) 384-8921, BillJr@Wescor1.net, www.Wescor1.net

Roto Pumps N.A. Booth(s): 456
Roto Pumps North America is a leading industrial pumps manufacturer of positive displacement pumps for the municipal wastewater and biogas industries. Roto owns state-of-the-art manufacturing infrastructure in Tulsa, Oklahoma with the aim of providing Positive Displacement Pumps, Drop-in-competitor replacement Pumps and Retrofit Parts for the USA market. RPNA has established an extensive network of distributors and channel partners in the USA.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Russell Resources Booth(s): 454,455,456,462,463,464,465
We represent some of the most innovative, robust, and energy-efficient technologies in the Water and Wastewater Industries. Our principals pride themselves on providing long-lasting and low cost of ownership solutions.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

RW Gate Booth(s): 452, 453, 460, 461, 468, 469
Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Sanitaire Booth(s): 152
Biological Process Solutions, SBR Technology (ICEAS), Oxidation Ditch (BioLoop), Optimized Aeration/Mixing Solutions (CASPERON), Aerobic Digester Solutions (VORELODOS), Process Controls (OSCAR), and Fine Bubble and Coarse Bubble Aeration Systems.
Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Sanitary Equipment Company Inc (Sponsor) Booth(s): 184, 185
Environmental, Refuse and Municipal Equipment.
Contact: Scott Black, P.O.Box 26006 25 Industry Drive, West Haven, CT 06516, (203) 927-9070, scott@sanitaryequipment.com, www.sanitaryequipment.com

Saveco (EnviroCare) Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508) 384-8921, BillJr@Wescor1.net, www.Wescor1.net

Savy & Sons Booth(s): 414
Full-service waterproofing & infrastructure restoration contractor specializing in Water & Wastewater Rehabilitation, Coatings & Linings, Infrastructure Restoration, Pipe Lining Services, and Media Blasting.
Contact: Travis Savy, 612 Church St, Amston, CT 06231, (860) 500-6929, travis@savyandsons.com, www.savyandsons.com

Scavin Equipment Company LLC Booth(s): 138
Dealer for sewer cleaning machines, pipe cleaning equipment, manhole tools, video and acoustic sewer pipe inspection equipment, wireless intercom headsets for high noise environments
Contact: Jon Gotchis, 1 Cedar Grove Rd, Southington, CT 06489, (860) 944-8340, jgotchis@scavinequip.com, www.scavinequipment.com

Sealing Systems, Inc. Booth(s): 144
Sealing Systems Inc. is the manufacturer of innovative solutions to prevent erosion and infiltration in manholes and catch basins.
Contact: Paul Wright, 9350 County Rd 19 Ste. 1, Loretto, MN 55357, (763) 478-2057, paulw@sssealingsystems.com, www.sssealingsystems.com

Seepex Booth(s): 452, 453, 460, 461, 468, 469
Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Sentrol, Inc (Sponsor) Booth(s): 499
Sentrol represents the industry's leading manufacturers of sensor and fluid control products. Headquartered in historic Plymouth, Massachusetts, the company serves the Northeast's contractors, construction managers, engineering companies, manufacturers, and OEMs. Your Experts in Sensor and Control Solutions. Sentrol, Inc. is a leading provider of product and service solutions for sensing and fluid control applications in industry. Sentrol's customers rely on the company's expertise and years of experience in the recommendation and distribution of high quality, cost-effective products to address the complexities of sensing and fluid control applications in industry.
Contact: Timothy Crowley, 1 Roberts Rd, Plymouth, MA 02360, (888) 877-1778, sales@nesentrol.com, www.nesentrol.com

Shelter Works Booth(s): 401-406
At Shelter Works, we strive to be the premier manufacturer of the finest, strongest, and most innovative custom fiberglass shelters - protecting the nation's industries and infrastructure.
Contact: John Swanson, Channel Sales Manager, 2616 S. 3rd Street, St. Louis, MO 63118-1918, tel. 314-720-1706, jswanson@shelterworks.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Smith and Loveless Booth(s): 463
Smith and Loveless: For 75+ years, Smith & Loveless' pre-engineered water and wastewater treatment and pumping systems have paved the way for municipalities, developments, industry, governmental, and military facilities. Smith & Loveless' energy-efficient and durable systems deliver unrivaled life-cycle cost savings.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

SNF Polydyne Booth(s): 417
SNF POLYDYNE is a wholly owned subsidiary of SNF HOLDING COMPANY, and is responsible for the direct marketing of products, equipment, applications expertise, and related services to the municipal potable water and wastewater markets in the United States. POLYDYNE is the market leader in supplying water-soluble polymers for the most demanding municipal solids-liquids separation processes.
Contact: Alex Krantz, 1 Chemical Plant Rd, Riceboro, GA 31323, (856) 745-1936, akrantz@polydyneinc.com, www.snf.com

Sodimate Booth(s): 465
Sodimate: For over 40 years, Sodimate has supplied bulk handling equipment and systems for a vast array of clients. We provide a wide range of equipment from conventional flexible screw feeders to completely automated bulk storage silos, discharge and feed systems.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

SPRAYROQ, INC Booth(s): 407
Sprayroq develops and manufactures fast-curing structural and chemical-resistant polyurethane coatings for the rehabilitation and protection of underground infrastructure. Our trenchless technology solutions extend asset life through corrosion control, abrasion resistance and structural reinforcement. For more than two decades, Sprayroq has provided structural rehabilitation and corrosion protection for water, wastewater and stormwater infrastructure worldwide.
Contact: Anthony Hughes, 2870 Crestwood Blvd, Irondale, AL 35210-1229, (205) 957-0020, ahughes@sprayroq.com, www.sprayroq.com

SPX Flow, Inc. Booth(s): 401-406
SPX Flow has combined the powerful Philadelphia Mixing Solutions and Lightnin mixer brands to bring you over 150 years combined of unrivaled experience in mixing technology, process knowledge, and technological innovations. Both Lightnin and Philadelphia Mixing Solutions enjoy a global reputation for durable, long-lasting mixers, agitators, aerators, flocculators, and impeller designs for fluid processing systems.
Contact: Mark Ostrowski, Regional Sales Manager, North Environmental, cell: 224-249-8208, Mark.Ostrowski@spxflow.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.

Stacey DePasquale Engineering, Inc. (Silver Sponsor) **Booth(s): 451**
Stacey DePasquale Engineering, Inc. (SDE) has provided wastewater & storm water related services to numerous private and public clients since 1999.
Contact: Stacey DePasquale, 354 Merrimack St Ste. 200, Lawrence, MA 01843-1755, (978) 975-0500, sdepasquale@sde-inc.com, www.sde-inc.com

StormTank **Booth(s): 179**
StormTank systems are built for versatility, efficiency, and longevity. Our products are widely-used across all forms of commercial, residential, and recreational stormwater management applications. With StormTank, rainwater becomes a resource. Projects achieve a lower total cost of ownership. Value is the priority at every customer touchpoint. Efficient installation, guaranteed compliance, and years of proven technical expertise save you time and money for better BMP outcomes every time.
Contact: Travis Russell, 621 Brentwood Dr, Reading, PA 19610, (610) 347-9071, Travis.Russell@brentwoodindustries.com, www.stormtank.com

StormTrap **Booth(s): 216**
StormTrap offers solutions for managing runoff, protecting waterways and improving the use of property. It is committed to providing cost-effective, customized water management solutions to engineers, owners, and municipalities across North America and abroad. Whether the customer is concerned about water quality, detention, infiltration or water harvesting, StormTrap has a design that will reduce their footprint, accommodate site constraints, lower overall costs and meet specific project needs.
Contact: Josh Coroa, 1287 Windham Parkway, Romeoville, IL 60446, (401) 429-3491, jcoroa@stormtrap.com, www.stormtrap.com

SULLIVAN ASSOCIATES/RITEC ENVIRONMENTAL **Booth(s): 458**
CHEMICAL FEED INSTRUMENTATION AND PROCESS AUTOMATION
Contact: Peter Williams, PO Box 514 29 Lincoln St, East Boothbay, ME 04544, (207) 633-3111, pete.williams@ritec.com

Sulzer Pumps **Booth(s): 173**
Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

Synagro Northeast, LLC (Silver Sponsor) **Booth(s): 493**
Founded in 1986, Synagro Technologies, Inc. provides environmentally sustainable solutions for commercial and municipal organizations that generate organic by-products. Synagro consistently transforms industrial and municipal waste into environmentally friendly resources that benefit our communities. As the largest recycler of organic by-products in North America, Synagro uses best-in-class processes, from beneficial reuse to renewable energy, that adhere to the strictest of environmental regula
Contact: Pat Rimkoski, 435 Williams Ct Ste. 100, Baltimore, MD 21220, (860) 483-0160, primkoski@synagro.com, www.synagro.com

Tank Connection Covers **Booth(s): 213**
Tank Connection's growing line of premier aluminum tank covers take product protection to the next level. Tank Connection Covers feature enhanced design and manufacturing methods that provide increased flexibility and strength. Tank Connection Covers' proprietary design components are the result of decades of experience that remove problematic installation issues commonly faced with other aluminum covers in the industry. Lighter overall aluminum covers are now possible without sacrificing strength. Advanced features offer superior vapor and product loss protection for geodesic domes; and easier access and higher field performance in aluminum flat covers.
Contact: Adam Nelson, 3609 N. 16th St, Parsons, KS 67357, (620) 423-3010, anelson@tankconnection.com, www.tankconnection.com/products/aluminum-covers

Technology Sales (Silver Sponsor) **Booth(s): 426-429 & 501-504**
Tech Sales represents leading manufacturers of Wastewater & Water Process Technologies. Tech Sales provides process & equipment knowledge to bring forth the best solutions to exceed your treatment needs. We look forward to being of service to engineers, municipalities, and industry to partner in achieving the right solutions to your water & wastewater treatment applications.
Contact: Michael Caso, 402 Amherst St, Nashua, NH 03063, mcaso@techsalesne.com, www.techsalesne.com

The Hayes Group/Hayes Pump/Walker Wellington/Atlantic Pump & Engineering (Gold Sponsor) **Booth(s): 470-472**
Founded in 1898, Hayes Pump, Inc. is proud to announce the formation of the Hayes Group Companies dedicated to serving the municipal water and wastewater markets. Following completion of our most recent acquisition in 2021, the Hayes Group is comprised of three divisions - Hayes Pump, Inc. - Walker Wellington - Atlantic Pump & Engineering. Through the manufacturers represented by these entities, our product offerings now include Pumps - Process Equipment - Controls - OEM Aftermarket - Parts - Custom Systems - Onsite Field Service - In-House Repair - Engineering Support - Lease Financing.
Contact: Craig Huff, 66 Old Powder Mill Rd, West Concord, MA 01742, (978) 369-8800, chuff@hayespump.com, www.hayespump.com

The MAHER Corporation (Gold Sponsor) **Booth(s): 152-158 & 181**
Please visit the following companies in Booths 152-158 & 181: Biorem, Boerger, Brentwood, Charter Machine, ECS, Fab-Tech, Howden Roots, Lakeside, Sanitaire/Xylem, Vapex, Waco, Westfalia and Watson Marlow.
Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com

Thermal Process System **Booth(s): 166**
Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

Ti-SALES **Booth(s): 413**
Ti-SALES is dedicated to having the fastest service and the most knowledgeable experts in the water and wastewater industry throughout all of New England and New York. Since 1963, we've worked with countless water utilities, contractors, consultants, and resellers to provide the highest quality products and solutions to meet their long-term needs. FAMOUS FOR FAST SERVICE - WE STAND BY OUR PRODUCTS - As experts in the waterworks industry, we carefully monitor market developments and innovations so that we can offer only the highest-quality, most reliable products and services.
Contact: Danny Smith, 36 Hudson Road, Sudbury, MA 01776, (800) 225-4616, dsmith@tisales.com, www.tisales.com

Tomorrow Water **Booth(s): 462**
Tomorrow Water is a total solution provider oriented towards innovation and sustainability serving the municipal and industrial markets with a wide range of cutting-edge technologies including advanced primary and wet weather treatment, intensified biological treatment, thermal hydrolysis, and Anammox.
Contact: Jim Russell, PO Box 3276, 56 Stevens Rd, Brewer, ME 04412-2276, jrussell@r-r-inc.com, (207) 989-0591, www.r-r-inc.com

Trillium Flow Pumps (Wemco & Floway) **Booth(s): 410-411, 473-474, 481-483, 489-491**
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093; (508) 384-8921, BillJr@Wescor1.net, www.Wescor1.net

Truax Corporation **Booth(s): 143**
We are a full-service catch basin and drain maintenance company. Our services include catch basin cleaning, storm drain maintenance, high-velocity pipe flushing, closed-circuit television inspections and lateral lining.
Contact: Lloyd Truax, PO Box 2186, Plainville, MA 02762 (physical address: 40 Plain Street N. Attleboro, MA), (508) 316-0979, Lloyd@truaxcorporation.com, www.truaxcorporation.com

United Concrete - Building Group **Booth(s): 141**
Precast concrete buildings: Pump control buildings; Generator Buildings; Chemical storage Buildings. Complete factory built sewer and domestic water pump stations.
Contact: Steve Riccitelli, 173 Church St Building Group, Yalesville, CT 06492, (203) 678-0590, SRiccitelli@unitedconcrete.com, www.unitedconcrete.com

United Industrial Products **Booth(s): 198**
United Industrial Products is a full service environmental equipment supplier located in central Connecticut that serves New England.
Contact: Anthony Burr, 4 Barker Dr, Wallingford, CT 06492, (203) 868-5702, anthony@go-uip.com, www.go-uip.com

UET Mixers	Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net	
USABlueBook	Booth(s): 459
Rely on USABlueBook for everything you need for water and wastewater operations and maintenance. As the company founded by operators for operators, we provide you with the Best Treatment through our outstanding service, vast product selection and expert technical support. USABlueBook is committed to supporting water and wastewater professionals in the lab, plant and field with an extensive yet carefully selected product offering. Choose from more than 57,000 items from over 700 manufacturers. View our updated virtual catalog at usabbluebook.com/catalogs . Contact: Joe Joubert, PO Box 9005 3781 Bur Wood Dr, Gurnee, IL 60031, (800) 548-1234, jjoubert@usabbluebook.com, www.usabbluebook.com	
UV Pure Technologies Inc.	Booth(s): 401-406
UV Pure is a leader in UV water disinfection and manufacturing of advanced water disinfection systems. Contact: Ricky Wysocki, Regional Sales Manager, Eastern United States, 455 Milner Ave, Unit 1, Toronto, ON, M1B 2K4, Tel. +1 888 407 9997, 631-495-9267, rwysocki@uvpure.com - See F.R. Mahony & Associates in Booths 401 through 406.	
Vapex	Booth(s): 156
Vapex™ Radical Technology remediates FOG, treats odors and mitigates MIC. Vapex units are small, energy & cost efficient and highly effective. Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com	
VEGA Americas	Booth(s): 217
For more than 70 years, VEGA Americas, Inc. has provided industry-leading products for the measurement of level and pressure. VEGAs full product line of level and pressure measurement instrumentation allows us to provide one of the most complete ranges of measurement solutions in the industry. Using radar, pressure, differential pressure, electronic differential pressure, and point level switches, VEGA has helped municipalities around the world improve their processes with reliable, maintenance-free measurements. Using VEGA instrumentation, our solutions provide accurate measurements in processes from collections systems to the wastewater treatment plant and drinking water supply systems. VEGA believes the future of instrumentation lies in the ability to produce high-quality, innovative products that keep pace with technology, and provide service and value to our customers. Contact: Chantal Groom, 3877 Mason Research Parkway, Mason, OH 45036, (513) 515-6465, c.groom@vega.com, www.vega.com	
Veolia (Gold Sponsor)	Booth(s): 202, 203
Veolia is a wastewater contractor. Contact: Michael Burke, 1 Berkshire St, Holyoke, MA 01040, (413) 262-1632, michael.burke@veolia.com, www.veolianorthamerican.com	
Veolia (formerly Suez)	Booth(s): 452, 453, 460, 461, 468, 469
Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net	
Veolia Water Technologies	Booth(s): 401-406
Veolia Water Technologies offers innovative, efficient & compact solutions including clarification, separation, softening, biosolids, biological & PFAS solutions with low installation costs and rapid startup, optimizing energy and savings. Contact: Tabitha Atkinson, 4001 Weston Pkwy, Cary, NC 27513, tel: 919-677-8310, usmunicipal@veolia.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.	
Vermeer All Roads	Booth(s): 215
At Vermeer All Roads, we are committed to providing the best service to our customers no matter the industry or piece of equipment. Our full lines of Mini Skid Steers, Brush Chippers, Stump Cutters, Trommel Screens, Horizontal Grinders, Directional Drills, Trenchers, and Vacuum Excavators serve multiple industries, including Tree Care, Landscaping, Recycling, Forestry, and Underground Construction. Contact: Cody Labriola, 224 South St, Hopkinton, MA 01748, (508) 641-7767, clabriola@vermeerallroads.com, www.vermeerallroads.com	

VIR Proteus	Booth(s): 212
Visual Imaging Resources (VIR): We are North America's official distributor for Proteus sewer inspection equipment, parts and accessories. With the support of our extensive Proteus dealer network, we supply our customers with the highest quality, professional sewer and wastewater inspection cameras. We also function as a service and retail facility. Our intention is to provide world class sales, service and training to the underground inspection industry. Contact: Richard Allen, 12600 Newburgh Rd, Livonia, MN 48150, (248) 767-0559, richard@virproteus.com, www.visualimagingresources.com	
Vogelsang USA	Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net	
Vortex Companies (Sponsor)	Booth(s): 169
At Vortex, we believe the world needs more resilient and sustainable water and sewer infrastructure. As a global provider of trenchless infrastructure products and services, its our job to think big because there is no single, or simple, solution to solving aging and failing infrastructure. We specialize in developing trenchless construction technologies and application systems to cost-effectively repair, renew or replace failing water, sewer and industrial infrastructure. Contact: Colby Dufour, 521 Federal Rd, Livermore, ME 04253, (207) 240-3010, colby.dufour@vortexcompanies.com, www.vortexcompanies.com	
VTScada by Trihedral	Booth(s): 168
VTScada, The Industry's Most Powerful SCADA Software is trusted by thousands of Water and Wastewater municipalities and system integrators in North America. Designed for plant, telemetry, or hosted systems of any size, VTScadas unique design integrates all core SCADA components into one easy-to-use package. It replaces third-party add-ons with integrated features like security, reporting, historian, alarming, alarm notification, version control, and thin clients. Contact: Tim Donaldson, 90 Village Circle, Taunton, MA 02780, (617) 877-6660, tim.donaldson@trihedral.com, www.vtscada.com	
Waco	Booth(s): 152
Flow control slide gates, weir gates and tilting weirs, stop gates, stop logs, flap gates, and telescopic valves. Static barscreens, screen gates, and debris baskets. Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com	
Walker Process Equipment - Division of McNish Corporation	Booth(s): 401-406
Since 1946 Walker Process has been solely dedicated to designing and manufacturing equipment for the Water and Wastewater Industry in Aurora, IL. We offer proven municipal technologies for biological treatment, anaerobic treatment, wastewater clarification, digestion, separation, and sludge treatment. We offer standard and custom solutions for efficient solids-liquid separation. Contact: Jeff Thomas, 840 N. Russell Ave., Aurora, IL 60506, tel: 630-264-5213, jthomas@walker-process.com - Rep: F.R. Mahony & Associates - See us in Booths 401 through 406.	
Walker Wellington LLC	Booth(s): 475-477
Manufacturer's representative. Providing pumping, screening, thickening, dewatering, grit solutions to the water and wastewater industries since 1985 Contact: Henry Russell, 121 Martin Rd, Kittery, ME 03904-1034, henry@walkerwellington.com, www.walkerwellington.com	
WasteCorp Pumps	Booth(s): 410-411, 473-474, 481-483, 489-491
Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net	
Watson Marlow	Booth(s): 158
Watson Marlow is the world's largest manufacturer of peristaltic pumps and systems for chemical feed, sample pumping, chemical transfer, sludge & grit pumping as well as other difficult applications utilizing Watson-Marlow case drive and Qdos tubing pumps as well as our Apex and Bredel hose pumps. Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, (781) 421-2600, pkibble@themahercorp.com, www.themahercorp.com	

Wescor Associates, Inc.**Booth(s): 410-411, 473-474, 481-483, 489-491**

Manufacturer's Representative serving New England thru representation of leading companies in the water and wastewater fields. Process Equipment-Blowers, Clarifiers, Chem Feed, Screens, Grit, Odor, Pumping, Liquid/Solids Separation & disinfection.

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Westlake Pipe & Fittings**Booth(s): 191**

Westlake Pipe and Fittings (formerly known as North American Pipe Company or NAPCO) manufactures PVC pressure and gravity pipe and fittings for use in a variety of applications throughout North America. Our pressure pipe portfolio includes those meeting AWWA C900, ASTM D2241, and the newer AWWA C909 specifications. Certa-Lok restrained joint technology as well as Yelomine round out the options and eliminate corrosion, speed installation, and decrease staging areas and closure time when used in both open cut and trenchless applications. Yelomine features the added benefits of higher UV and impact resistance when above-ground conveyance and/or temporary bypass are required.

Contact: Jonathan Duffy, 2801 Post Oak Blvd., Ste. 600, Houston, TX 77056, (860) 316-3768, jduffy@westlakepipe.com, www.westlakepipe.com/en

WesTech Engineering**Booth(s): 175**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

Williamson Electrical Co., Inc.**Booth(s): 186, 187**

At Williamson Pump & Motor, it is our primary mission to help you in the process of both preventing and resolving your problems anywhere in your facility. With over 70 years of business experience, our field technicians, shop technicians, industrial electricians and sales personnel will give your problem all the attention needed to find a definitive solution. Our technical expertise and products are used in several industries such as property management, water & sewage plants, educational facilities, industrial facilities, manufacturing plants, residential, hospitals, municipal utilities, government facilities etc.

Contact: Josh , 334B Calef Highway, Epping, NH 03042, (617) 884-9200, joshc@weco-group.com, www.weco-group.com

Wilo Pumps & Mixers**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

World Water Works**Booth(s): 167**

Contact: Brian Olsen, 176 Amity Rd. 102, Woodbridge, CT 06525, (603) 714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

WS&G**Booth(s): 452, 453, 460, 461, 468, 469**

Contact: Jim Deluca, 154 West Grove St Unit D, Middleboro, MA 02346, (508) 947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net

Xylem Dewatering Solutions**Booth(s): 420**

Xylem is a leading global water technology company focused on solving our customers' most critical water challenges. Through its Godwin and Flygt brands, Xylem offers an extensive range of dewatering and rental solutions with proven engineering expertise. For additional information about Xylem, and the right solution for the job, please visit www.xylem.com.

Contact: Jonathan Carlson, 99 Stock House Rd, Bozrah, CT 06334, (860) 213-6441, jonathan.carlson@xylem.com, www.xylem.com

Xylem Water Solutions - Flygt Pumps**Booth(s): 466**

Contact: Spencer Mack, 99 Stockhouse Rd, Bozrah, CT 06334, spencer.mack@xylem.com, www.xylem.com/en-us

5 Star Filtration**Booth(s): 410-411, 473-474, 481-483, 489-491**

Contact: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, (508)384-8921, BillJr@Wescor1.net, www.Wescor1.net

Exhibitor Category Directory



Air Quality, Odor Control

APTIM / 408

Carlsen Systems / 164-167 & 173-176

GA Fleet - Fleet Pump & Service / 145

Industrial Flow Solutions / 178

Inovair and Continental Carbon Group / 464

Kemira Water Solutions / 200

Tank Connection Covers / 213

Veolia / 202, 203

Wescor Associates / 410-411, 473-474, 481-483, 489-491



Biosolids/Sludge

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Atlantic Fluid Technology / 479, 480, 487, 488, 495, 496, 505, 506

Brown and Caldwell / 412

C-Green, c/o Next Rung Technology / 204

Carlsen Systems /164-167 & 173-176

Casella Organics / 150

Danfoss & Precision Systems / 455

F.R. Mahony & Associates/ 401-406

Fournier & Sodimate / 465

Franzenburg Centrifuges / 162

GA Fleet - Fleet Pump & Service / 145

Hach / 193

Hydro-Action / 190

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Kiewit / 194

NORESCO / 409

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PW Tech / 454

Resource Management / 196

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Tomorrow Water / 462

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Coyne Chemical

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Kemira Water Solutions / 200

Omya / 170

Veolia / 202, 203

Wescor Associates / 410-411, 473-474, 481-483, 489-491



Computer Hardware, Software, Asset Management Software & Cloud Services

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BioChem Technology / 183	GA Fleet - Fleet Pump & Service / 145	Veolia / 202, 203
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Effluent Disposal

Oakson / 484



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BioChem Technology / 183	LandTech Consultants / 137	Savy & Sons / 414
Brown and Caldwell / 412	Meridian Associates / 147	Veolia / 202, 203
C-Green c/o Next Rung Technology / 204	New England Combined Heat and Power Technical	



Flow Monitoring, Instrumentation, Controls and SCADA

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Aquamatrix by Water Analytics / 205	F.R. Mahony & Associates / 401-406	Primex Controls / 467
BioChem Technology / 183	Flow Assessment Services / 135 136	Rain for Rent / 201
Brown and Caldwell / 412	GA Fleet - Fleet Pump & Service / 145	Sentrol / 499
Champlin Associates / 444	M.A. SELMON COMPANY / 195	Veolia / 202, 203
CSI Controls / 450		VTScada by Trihedral / 168
Danfoss & Precision Systems / 455		Wescor Associates / 410-411, 473-474, 481-483, 489-491



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Brown and Caldwell / 412	Russell Resources / 454-456 & 462-465	



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Asahi/America / 435, 436	Fournier & Sodimate / 465	Tomorrow Water / 462
Brown and Caldwell / 412	GA Fleet - Fleet Pump & Service / 145	Veolia / 202, 203
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Smith & Loveless / 463

The MAHER Corporation / 152-158 & 181

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Xylem Dewatering Solutions / 420

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Stormwater Detention, Retention, Conveyance & Treatment

APTIM / 408

Aqua Solutions / 452-453, 460-461, 468-469

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Wescor Associates / 410-411, 473-474, 481-483, 489-491



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Champlin Associates / 444

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Veolia / 202, 203

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Tank Connection Covers / 213

Veolia / 202, 203

Vortex Companies / 169

Wescor Associates / 410-411, 473-474, 481-483, 489-491

2023 Annual Conference & Exhibit Health and Safety Guidelines

NEWEA's main priority is the health and safety of our attendees, exhibitors, volunteers, and staff. NEWEA will adhere to all official government and local authority guidance, as well as any venue or location-specific regulations. We will continue to monitor the evolving situation related to COVID-19 and all other epidemics, pandemics, and other public health situations and will update our strategy and guidelines below as needed.

As of September 22, 2022, the following guidelines should be followed at all NEWEA conferences and events:

1. All conference/event participants must sign the Attendee Terms and Conditions during registration.
2. Masks are optional. NEWEA will continue to monitor [COVID-19 Community Levels](#) to determine appropriate masking guidelines. NEWEA will also adhere to any masking mandates that are put in place by the venue and/or local, state, and/or federal government.
3. NEWEA recommends staying up-to-date with vaccinations and following [CDC Guidelines](#) for minimizing the spread of illness.
4. Individuals who test positive for COVID-19 within 10 days of a conference/event and/or who are experiencing any cold/flu-like symptoms including but not limited to cough, fever, and/or sore throat should not attend.

Despite the protocols above, there is still an inherent risk of exposure to COVID-19 in any public place where people are present. Should you fail to observe any of these protocols, NEWEA may remove you from the Event without refund. By voluntarily choosing to attend NEWEA's conferences and events, participants assume all risks associated with exposure to COVID-19.

NEWEA will continue to update these guidelines as needed. Please contact the NEWEA Office with any questions.

HEALTH GUIDELINES AND INFORMATION

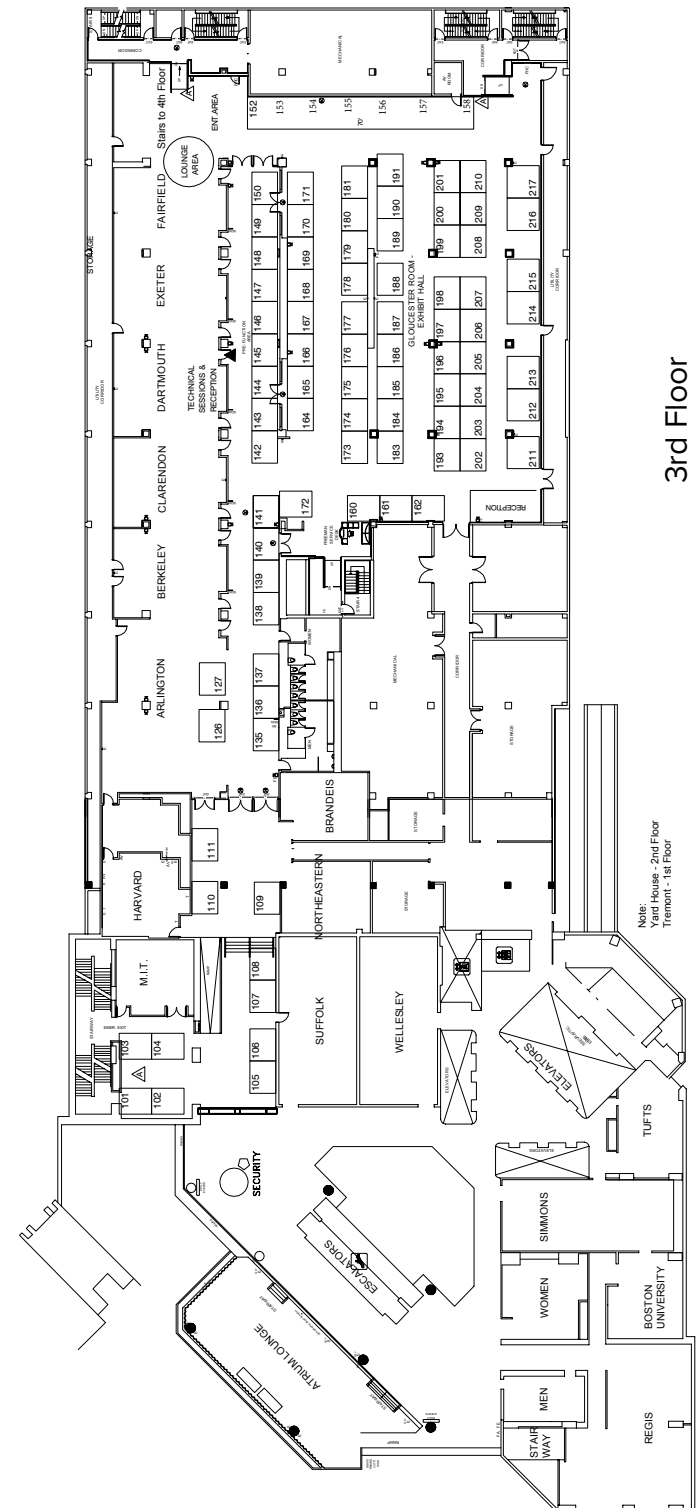
COVID-19 Community Levels

<https://www.cdc.gov/coronavirus/2019-ncov/your-health/covid-by-county.html>

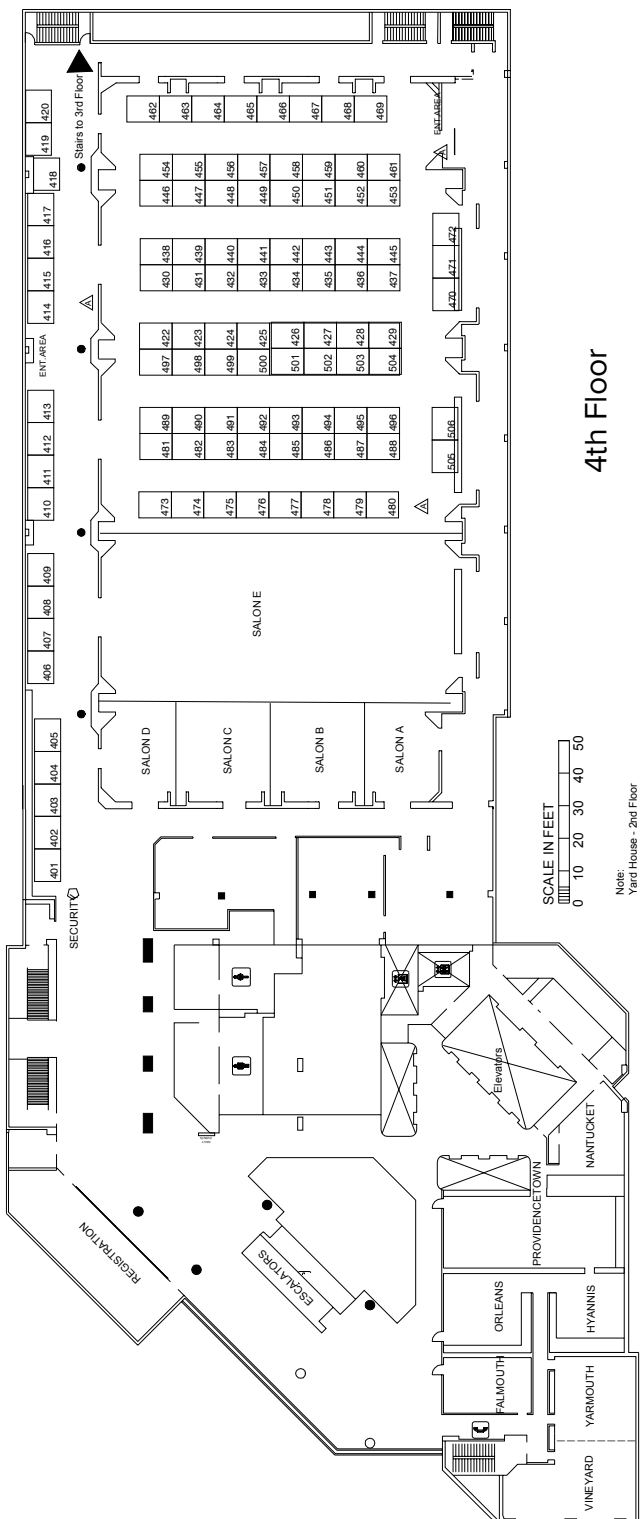
CDC guidelines

<https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/steps-when-sick.html>

Marriott Copley Place Hotel—NEWEA Conference Floor Plans



Marriott Copley Place Hotel—NEWEA Conference Floor Plans



EXHIBITION HOURS

Monday: 10:30 AM – 6:30 PM

Tuesday: 8:00 AM – 6:30 PM

Wednesday: 8:00 AM – 1:00 PM

CONFERENCE PLANNERS

Meeting Management Director

Amy Anderson George

Conference Arrangements

Committee Chair

Ron Tiberi

Exhibits Committee Chair

Paul Russell

Program Committee Chair

Lauren Hertel

Registration Committee Chair

Meg Tabacsko

Sponsor Committee Chair

Brian Olsen

Awards Program Committee Chair

Marylee Santoro

NEWEA OFFICE

Executive Director

Mary Barry

Program Director

Janice Moran

Communications/PR Coordinator

Jordan Gosselin

Office Administrator

Heather Howard

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.

MA, NH, and RI (Wastewater Only): 2.0 per session, 1.0 per keynote, and 1.0 per day in Exhibit Hall.

CT: 2.0 per session and 1.0 per keynote.

Please note, the Exhibit Hall is NOT approved.

VT: 2.0 per session and 1.0 per keynote.

Please note: Sessions 1, 2, 7, 13, 19, 20, 26, 29, 33, 34, and the Exhibit Hall are NOT approved.

ME: 2.0 per session, 1.0 per keynote, and 1.0 per day in Exhibit Hall. Please note: Sessions 20 and 24 are NOT approved. Please also note, Sessions 1, 11, and 34 are approved as "Management" TCHs—up to 6 TCHs per renewal cycle may be a combination of Safety and/or Management topics.

Meeting Room and Exhibit Locations

3rd Floor

Exhibits

Exhibit Booths #101–217

Back Bay Exhibit Hall

Back Bay Foyer Area

Poster Sessions

Meeting/Session Rooms

Arlington*

Berkeley*

Boston University

Brandeis

Clarendon*

Dartmouth*

Exeter*

Fairfield*

Harvard

Northeastern

Regis

Simmons

Suffolk

Tufts

Wellesley

**Located inside Back Bay Exhibit Area*

4th Floor

Exhibits

Exhibit Booths #401–506, A–E

Salons F thru K and Foyer

Poster Sessions

Meeting/Session Rooms

Salons A thru E

Hyannis

Nantucket

Orleans

Provincetown

Vineyard

Yarmouth

Falmouth

Yard House located on the 2nd Floor
and Tremont located on the 1st Floor

**KEY: 3rd floor rooms are Colleges,
Universities, and Boston Streets.
4th floor rooms are salons
and Cape Cod Towns.**

NEWEA 2023 Annual Conference & Exhibit January 22–25

BOSTON MARRIOTT
COPLEY PLACE
BOSTON, MA

Platinum Sponsors



NEWEA

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

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EST Associates, Inc.
F.R. Mahony & Associates
Flow Assessment Services
Fuss & O'Neill
GHD, Inc.
Green Mountain Pipeline Services
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Hazen and Sawyer
HDR
Hoyle, Tanner & Associates, Inc.
INVENT Environmental Technologies, Inc.
Jacobs
Kleinfelder
Multiple Hearth Services
MWH Constructors
NEFCO
SDE
Stantec
Synagro Northeast, LLC
Tech Sales NE
The MAHER Corporation
Tighe & Bond, Inc.
Vaughan Company, Inc.
Veolia
Weston & Sampson
Woodard & Curran
Worcester Polytechnic Institute
Wright-Pierce



ATTENDEE REGISTRATION

BEST RATE DEADLINE: FRIDAY, JANUARY 6, 2023

1. BADGE INFORMATION

Last Name: _____ First Name: _____ Nickname: _____

Company: _____ Email: _____

Address: _____ City: _____ State: _____ Zip: _____

2. WHAT IS YOUR PRIMARY JOB FUNCTION? (check one)

- ☐ Communications/Public Relations ☐ Public Officials/Regulators
☐ Educators/Students ☐ Purchasing/Marketing Sales
☐ Engineering/Laboratory/Operations Management ☐ Scientist/Researcher
☐ Other

3. MEMBERSHIP TYPE

☐ NEWEA/WEF Member ID # _____ ☐ Non Member

*NOTE Membership will be verified and is not transferable.

4. CONFERENCE REGISTRATION/PRICING	BEST RATE		STANDARD RATE	
	before January 6		after January 6	
Full Conference Registration (select one below)	Member	Non Member	Member	Non Member
<input type="checkbox"/> Full Conference	\$490	\$665*	\$585	\$760*
<input type="checkbox"/> Academic/PWO/Young Professional	\$345	n/a	\$440	n/a
<input type="checkbox"/> NEWEA Regulatory Agency	\$90	\$140**	\$120	\$170**
<input type="checkbox"/> WEF Retired/Life or Student (w/ID)	\$0	\$0	\$0	\$0
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	\$275	\$340	\$325	\$460
<input type="checkbox"/> Academic/PWO/Young Professional <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$185	n/a	\$235	n/a
<input type="checkbox"/> NEWEA Regulatory Agency <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed	\$30	\$80**	\$40	\$90**
<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
Speaker <input type="checkbox"/> Check if you are speaking. Speakers receive a \$40 discount on registration fees (regulatory speakers are not eligible)				

*Includes one-year NEWEA/WEF membership.

**Includes one-year NEWEA only membership. Must be employed at a Regulatory Agency: USEPA; CT DEEP; ME DEP; MA DEP; NH DES; RI DEM; VT DEC

5. SPECIAL EVENT TICKETS	BEST RATE	STANDARD RATE
Young Professional Summit - Sunday, January 22; 8AM-5PM	\$100	\$145
Workshop: Future of the Water Workforce - Monday, January 23; Awards Luncheon & Ceremony - Wednesday, January 25, 2023 @ _____	<input type="checkbox"/> Yes, I'll Attend \$65	\$85

6. REGISTRATION INFORMATION

TOTAL REGISTRATION FEE: \$ _____

[REGISTER ONLINE >>](#)

BEST RATE DEADLINE: FRIDAY, JANUARY 6, 2023

COVID Guidelines: NEWEA will monitor the situation to provide the safest possible event experience.

QUESTIONS? Call the NEWEA office at 781-939-0908 or contact us at mail@newea.org.

CANCELLATIONS Must be submitted in WRITING by Friday, January 6, 2023. A 25% service fee will apply to all cancellations received before January 6; no refunds will be made on registration fees or special events after Friday, January 6. Due to Association agreements and guarantees, no refunds will be made on registration fees or special event tickets after Friday, January 6. Registration fees are forfeited if you are not able to attend the Conference.

New England Water Environment Association - Annual Conference & Exhibit

January 22–25, 2023 | Boston Marriott Copley Place Hotel



REGISTRATION INFORMATION

ONLINE: www.annualconference.newea.org

EMAIL: 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 6, 2023. A 25% service fee will apply to all cancellations received before January 6; no refunds will be made on registration fees or special events after Friday, January 6. 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 22, 2023

8:00 AM–5:00 PM YP Summit - 4th Floor

Monday, January 23, 2023

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

8:30 AM–10:30 AM Technical Sessions 1–6

11:00 AM–12:00 PM Opening Session

2:00–4:30 PM Technical Sessions 7–12

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

Tuesday, January 24, 2023

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

8:00 AM–4:00 PM Innovation Pavillion

8:30–11:00 AM Technical Sessions 13–18

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

2:00–4:30 PM Technical Sessions 19–24

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

Wednesday, January 25, 2023

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

8:30–11:00 AM Technical Sessions 25–29

11:00–1:00 PM Awards Luncheon Ceremony

1:00–3:00 PM Technical Sessions 30–34

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. Masks are optional. NEWEA recommends staying-up-to-date with vaccinations. Individuals who test positive five (5) days prior to NEWEA's Annual Conference, should not attend. Visit https://www.newea.org/events/health_safety/ for more information.

IMPORTANT INFORMATION

BEST RATE DEADLINE: Friday, January 6, 2023.

Registrations postmarked after Friday, January 6, 2023 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 to verify membership, renew/JOIN!

Membership is NOT transferrable.

HOTEL INFORMATION

Boston Marriott Copley Place

110 Huntington Avenue, Boston, MA 02116

Accommodation Rate: \$214++ (single)

Group Rate Deadline: Friday, December 28, 2022.

Reserve Online: <https://book.passkey.com/event/50345328/owner/249/home> 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.