

New England
Water Environment
Association
presents

Navigating the Tides: FOSTERING DIVERSITY AND LEADING CHANGE



NEWEA 2022 Annual Conference & Exhibit

January 23–26
Boston Marriott Copley Place
Boston, Massachusetts



NEWEA
WORKING FOR WATER QUALITY

CONFERENCE PROGRAM

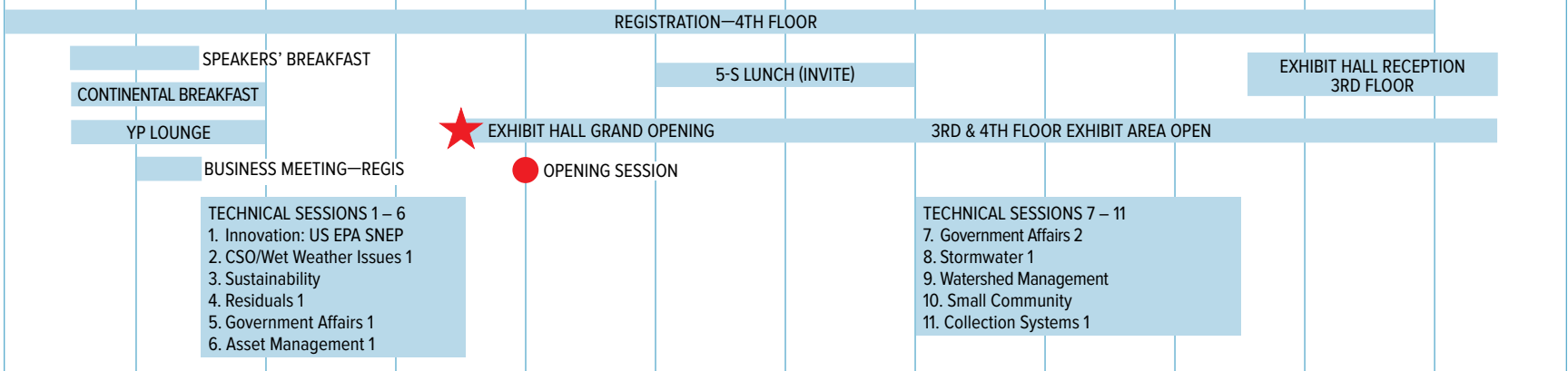
NEWEA 2022 Annual Conference & Exhibit
Final Program Schedule-at-a-Glance

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

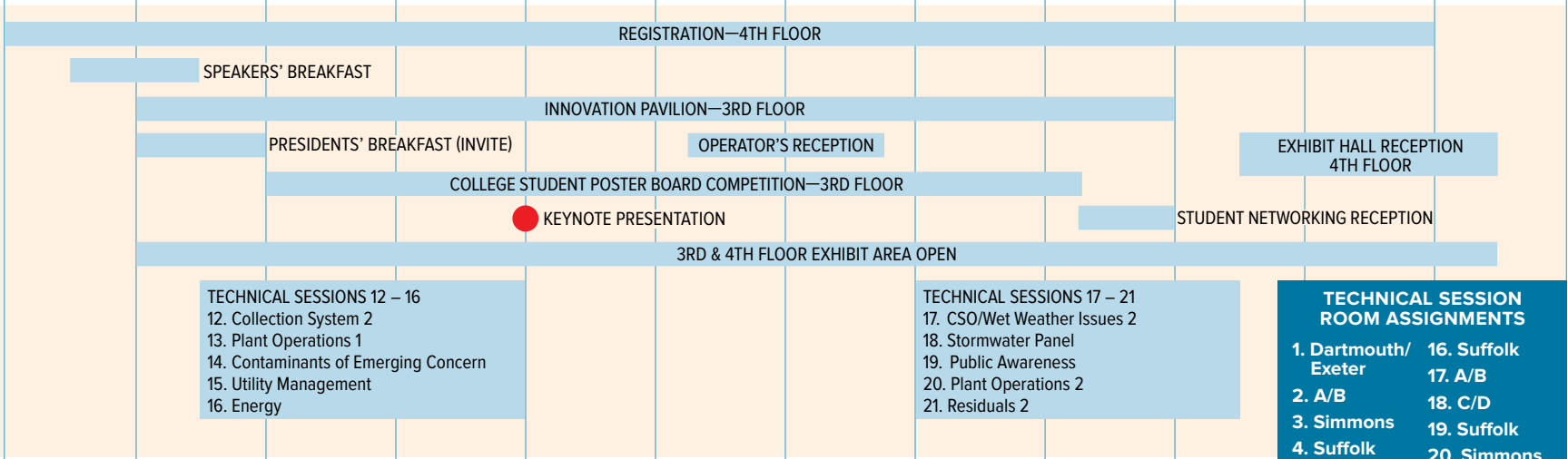
**Sunday
Jan. 23**



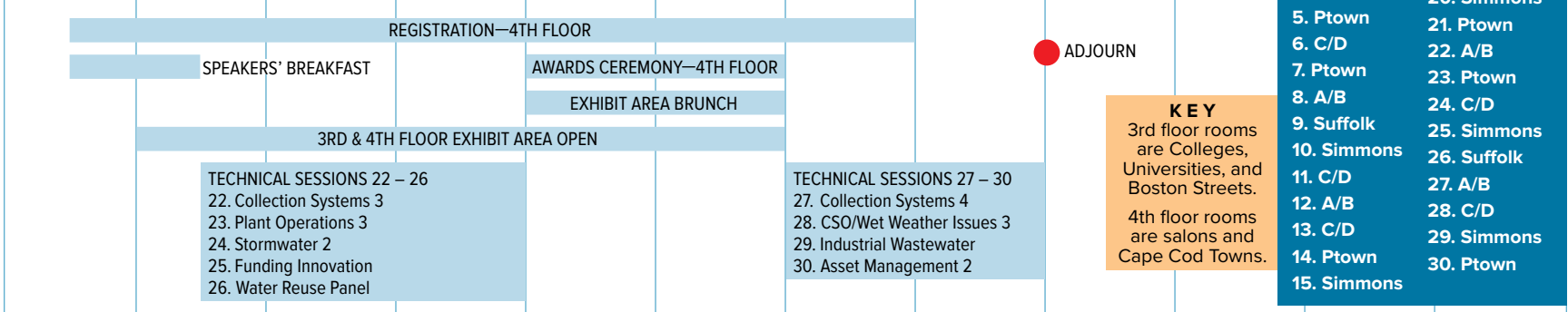
**Monday
Jan. 24**



**Tuesday
Jan. 25**



**Wednesday
Jan. 26**



TECHNICAL SESSION ROOM ASSIGNMENTS	
1. Dartmouth/ Exeter	16. Suffolk
2. A/B	17. A/B
3. Simmons	18. C/D
4. Suffolk	19. Suffolk
5. Ptown	20. Simmons
6. C/D	21. Ptown
7. Ptown	22. A/B
8. A/B	23. Ptown
9. Suffolk	24. C/D
10. Simmons	25. Simmons
11. C/D	26. Suffolk
12. A/B	27. A/B
13. C/D	28. C/D
14. Ptown	29. Simmons
15. Simmons	30. Ptown

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 23, 2022

Young Professionals (YP) Summit	Salon E	9 AM – 5:00 PM
Committee Chair & Council Director Orientation	Vineyard/Yarmouth	10:00 AM – Noon
Executive Committee	Salon D-C-B-A	Noon – 3:30 PM

Monday, January 24, 2022

Affiliated State Association Leadership	Clarendon	9:00 – 10:30 AM
Plant Operations Committee	Falmouth	Noon – 1:00 PM
CSO/Wet Weather Issues Committee	Yard House	Noon – 1:30 PM
Young Professionals Committee	Off-Site Restaurant	12:15 – 1:45 PM
Awards Committee	Orleans	3:00 – 4:30 PM

Tuesday, January 25, 2022

Journal Committee	Falmouth	7:30 – 8:30 AM
Government Affairs Committee	Vineyard	9:00 – 10:30 AM
Membership Committee	Orleans	9:30 – 10:30 AM
Operations Challenge Committee	Regis	10:00 – 11:00 AM
Joint Workforce Development & Utility Mgmt.	Harvard	Noon – 1:30 PM
Contaminants of Emerging Concern Committee	Vineyard	11:00 AM – Noon
Residuals Management Committee	Orleans	11:00 AM – Noon
Sponsorship Committee	Hyannis	11:00 – 11:30 AM
Sustainability Committee	Falmouth	11:30 – 12:30 PM
Asset Management Committee	Nantucket	Noon – 1:00 PM
Laboratory Practices Committee	MIT	Noon – 1:00 PM
Youth Education Committee	Regis	Noon – 1:00 PM
Energy Committee	Berkeley	Noon – 1:30 PM
NEWEA/NEWWA/NEAPWA Leadership	Vineyard/Yarmouth	2:00 – 3:30 PM
Assessment & Development Committee	MIT	2:00 – 3:30 PM
Public Awareness Committee	Harvard	4:30 – 5:30 PM

Wednesday, January 26, 2022

Photo Ready Room	3rd Floor Atrium	9:00 – 10:00 AM
Award Ceremony & Lunch	Salon E	11:00 AM

Speaker Breakfast (M, T, W)

Hyannis

7:30 AM



Virgil Lloyd
NEWEA President



Lauren Hertel,
NEWEA Program
Committee Chair

Welcome to the 2022 NEWEA Annual Conference!

We are overjoyed to be hosting this year’s conference in person! We also have great appreciation for our attendees, exhibitors, and sponsors for navigating the changing times by complying with the conference safety requirements.

This premier water quality event and exhibit features 30 technical sessions, a student poster session that showcases the work of water quality undergraduates and graduates, an Innovation Pavilion, and two floors of exhibitors featuring the industry’s latest products.

It’s the Year of Navigating the Tides: Fostering Diversity and Leading Change! This year’s theme focused on how all of us, as members of NEWEA, can be the catalyst to change, leading by example and performing deliberate acts that cultivate diversity and inclusion. The 2022 program highlights these efforts through our keynote speaker and technical sessions.

The conference kicks off on Monday with a variety of technical sessions both morning and afternoon. The Opening Session at 11:00 AM will convene attendees to hear from NEWEA and WEF leadership and our 2022 Keynote, Tamika N. Jacques, Ed.D. The afternoon winds down with the first of two Exhibit Hall receptions on the 3rd floor.

Tuesday offers much to be enjoyed. We celebrate and recognize operators by offering morning and afternoon Plant Operation technical sessions, as well as the Operator’s Reception. This year marks 50 years of the Clean Water Act. To acknowledge this monumental day for those in the water environmental field, a keynote session will be held from 11:00 AM to noon. The fourth annual Innovation Pavilion will be held in the 3rd Floor Atrium from 8:00 AM to 4:00 PM. Attendees can meet with emerging water industry innovators and learn about their technologies. 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 2022 NEWEA President, Frederick McNeill of City of Manchester, NH. We hope you take advantage of all the 2022 Annual Conference has to offer and use this occasion to connect with 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 effort 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!

Virgil Lloyd, NEWEA President
Lauren Hertel, NEWEA Program Committee Chair

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2022 Annual Conference & Exhibit COVID-19 Guidelines

NEWEA is excited to connect in person with our water industry colleagues at the 2022 Annual Conference & Exhibit, taking place at the Boston Marriott Copley Place, Boston, MA, January 23–26, 2022.

To ensure we can provide a safe event experience, it is vital that all event participants abide by the guidelines below. These guidelines follow the requirements set forth by the Boston Marriott Copley Place, City of Boston, and State of Massachusetts. Should any of the above entities implement any new requirements that supersede the guidelines below, NEWEA will update our guidelines to comply.

Any event participant who does not observe any of the below protocols and/or fails to heed the health and safety instructions given by NEWEA staff at the event may be removed from the Conference without a refund.

- 1. Vaccines:** All event participants **must be fully vaccinated** to attend NEWEA's 2022 Annual Conference in person. Fully vaccinated, as defined by the CDC, means an individual must have completed their cycle of a two-dose vaccine (Pfizer or Moderna) or a single-dose vaccine (Johnson & Johnson) at least two weeks prior to attending the Conference. NEWEA has partnered with VOW Digital Health to verify event participants' vaccination status.
- 2. Masks:** A mask covering the nose and mouth must be worn by all attendees in all conference-designated programming areas. Masks may be removed when eating or drinking. Speakers will also have the option to remove their mask when presenting to allow for lip reading and sound clarity.
- 3. Social Distancing:** Session rooms will have limited capacity to promote physical distancing. Seating capacity at tables will also be limited. Avoid close physical contact (handshakes, hugs, etc.) and instead greet fellow event participants with a wave, elbow bump, etc.
- 4. Venue Safety Precautions:** The Boston Marriott Copley Place has implemented numerous protocols to minimize the risk of infection. The hotel is equipped with air filters that comply with CDC recommendations. Hand sanitizer stations will be placed outside of all meeting rooms, and the rooms will be cleaned and refreshed each night. Bathrooms in the meeting space will be cleaned twice daily and again at night. Signage will be placed throughout the hotel instructing guests to wear masks.
- 5. Health and Hygiene:** Event participants should practice frequent hand hygiene, including hand washing and the use of hand sanitizer, which will be available throughout the facility. Individuals who are experiencing a fever, cough, loss of taste/smell, nausea, shortness of breath, cold or flu-like symptoms, and/or related symptoms; have a pending COVID test; and/or have tested positive for COVID in the last 14 days must refrain from attending the in person event. A virtual event option will be available for those unable to attend in person.

6. Illness at the Conference: Attendees who experience any COVID-19 symptoms during the Conference should:

- a. Immediately exit the conference space and return to their hotel room or home to isolate and seek medical diagnosis, as well as treatment if needed.
- a. Alert NEWEA staff in writing via mail@newea.org that they are experiencing symptoms.
- a. Personal information and health status **will not** be shared with fellow event participants.

7. Contact Tracing: Any event participant who tests positive for COVID-19 within 14 days of attending the Conference is required to notify the NEWEA office in writing at mail@newea.org. To the greatest extent possible, this email notification should include the program elements attended by the individual, such as specific sessions. NEWEA will use this information to inform other event participants of potential exposure. Personal information and health status **will not** be shared with fellow event participants. NEWEA will encourage attendees to monitor for symptoms and get tested at their own discretion.

We intend to deliver a high level of hygiene and safety protocol during our events to ensure our attendees, speakers, exhibitors, and sponsors can connect, learn, and return to business, effectively and safely, however there is still an inherent risk of exposure to COVID-19 in any public place where people are present.

More information about COVID-19 can be found on the Center for Disease Control's website. By voluntarily choosing to attend NEWEA's Annual Conference & Exhibit, event participants assume all risks associated with exposure to COVID-19. *Updated December 16, 2021*

COVID-19 GUIDELINES AND INFORMATION

Boston Marriott Copley Place

whattoexpect.marriott.com/bosco

City of Boston

boston.gov/news/coronavirus-disease-covid-19-boston

State of Massachusetts

mass.gov/covid-19-updates-and-information

Center for Disease Control (CDC)

cdc.gov/coronavirus/2019-ncov/vaccines/fully-vaccinated.html

CDC's Covid-19 homepage

cdc.gov/coronavirus/2019-ncov/index.html

NEWEA 2021 EXECUTIVE COMMITTEE

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President Elect Frederick McNeill
Vice President Robert Fischer
Treasurer Clayton "Mac" Richardson
Past President (Management Review) Jennifer Kelly Lachmayr
Executive Director Mary Barry

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WEF Delegate (10/19) James Barsanti
WEF Delegate (10/20) Peter Garvey
WEF Delegate (10/21) Ray Vermette

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Maine Jeffrey McBurnie
Massachusetts Adam Yanulis
New Hampshire Steve Clifton
Rhode Island Edward Davies
Vermont Michael Smith

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Communications Deborah Mahoney
Innovation* Marianne Langridge
Meeting Management Amy Anderson George
Outreach Colin O'Brien
Treatment, Systems Operations, & Management Philip Forzley

NEWEA 2021 COUNCILS

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Charitable Giving Task Force Linda Carroll
Diversity, Equity, and Inclusion Committee* Marina Fernandes
Kate Biedron Memorial Fund Task Force Meg Tabacsko
Workforce Development* Dan Bisson

Management Review Council

Assessment and Development Committee Marylee Santoro
Awards Committee Jay Sheehan
Bylaws Committee Michael Bonomo
Committee Member Appreciation Committee John Bobrek
Nominating Committee Janine Burke-Wells
Sponsor Committee Brian Olsen

NEWEA 2021 COUNCILS (CONTINUED)

Meeting Management Council

Conference Arrangements Committee Ronald Tiberi
Exhibits Committee Corey Meyers
Program Committee Lauren Hertel
Registration Committee Meg Tabacsko

Communications Council

Journal Committee Alexandra Greenfield
Public Awareness Committee Denise Descheneau
Youth Education Committee Leonard Young

Treatment, Systems Operations, & Management Council

Asset Management Committee Daniel Roop
Contaminants of Emerging Concern Committee Janine Burke-Wells
Energy Committee Sharon Nall
Laboratory Practices Committee Walter Palm
Operations Challenge Committee Scott Goodinson
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

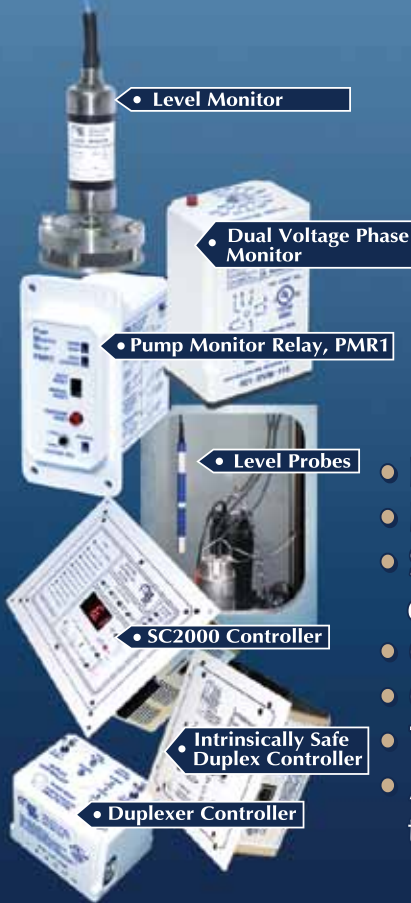
Collection Systems Committee Scott Lander
CSO/Wet Weather Issues Committee Steven Perdios
Industrial Wastewater Committee Rebecca Weidman
Stormwater Committee Kate Edwards
Sustainability Committee Wayne Bates
Water Reuse Committee Bruce Douglas
Watershed Management Committee Sara Greenberg

Outreach Council

Government Affairs Committee Scott Firmin
Humanitarian Assistance and Grants Committee Marina Fernandes
Membership Committee Peter Frick
Safety Committee David Horowitz
Scholarships Committee Nick Valinski
Student Activities Committee Nicholas Tooker
Young Professional Committee Daryl Coppola

* Ad hoc

Your Source For Controls



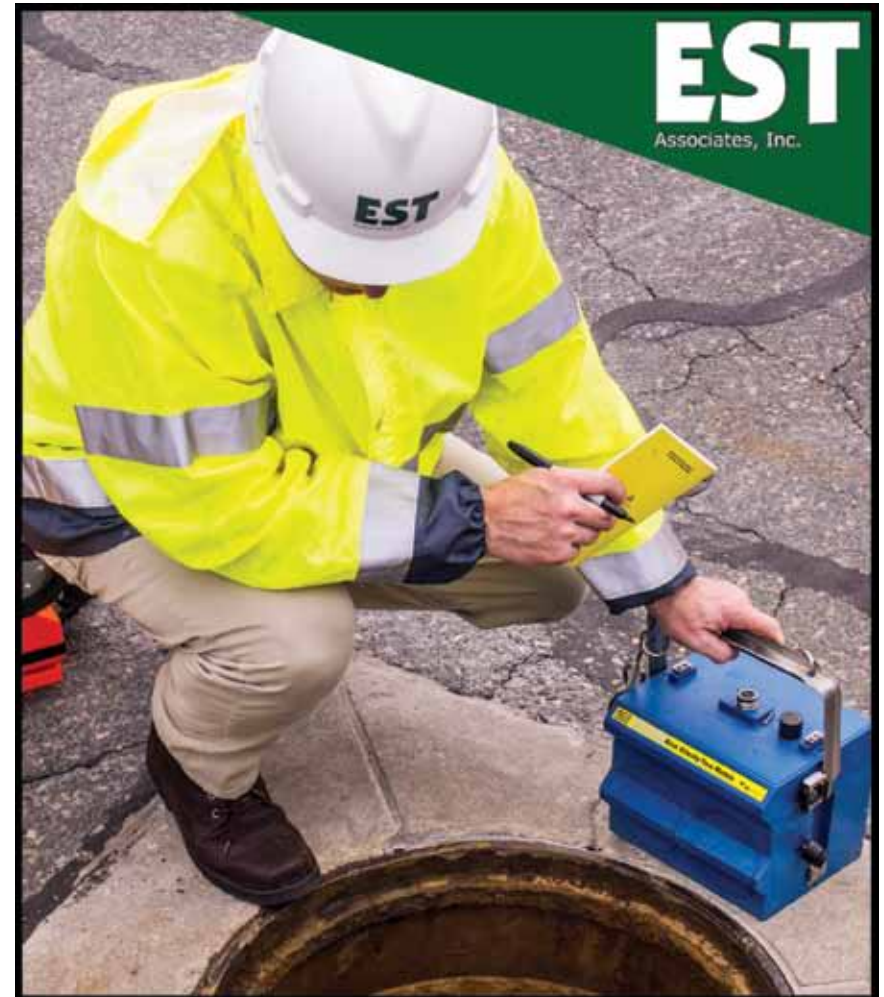
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Celebrating the 50th Anniversary of the Clean Water Act... A Job Well Done!

NEWEA invites the submission of abstracts for presentations for the upcoming 2022 Spring Meeting & Exhibit.

Visit springmeeting.newea.org and click *Submit an abstract* to complete the on-line abstract submittal form.

Call for Presentations and Papers

Abstract submission deadline is February 11, 2022

NEWEA 2022 Spring Meeting & Exhibit

May 22 – 25, 2022 • Mount Washington Resort, Bretton Woods, New Hampshire

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New England Water Environment
Association Presents

Navigating the Tides: FOSTERING DIVERSITY AND LEADING CHANGE

NEWEA 2022 Annual Conference & Exhibit

January 23–26, 2022
Boston Marriott Copley Place, Boston, MA

Conference Events

Sunday, January 23

Young Professionals Summit (Salon E)	9:00 AM–5:00 PM
New Committee Chair and Council Director Orientation (Vineyard/Yarmouth)	10:00–Noon
Executive Committee Meeting (Salon D-C-B-A)	Noon–3:30 PM
Registration (4th Floor).....	Noon–4:00 PM
Exhibit Hall Set-Up	Noon–6:00 PM

Monday, January 24

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Breakfast (Hyannis).....	7:30–8:30 AM
Coffee and Continental Breakfast (3rd Floor Atrium).....	7:30–9:00 AM
Young Professionals Lounge (Vineyard/Yarmouth).....	7:30–9:00 AM
The YP Committee will be hosting a Young Professionals Lounge YP Committee Chair: Daryl Coppola, F.R. Mahony & Associates	
NEWEA Annual Business Meeting (Regis).....	8:00–8:30 AM
Welcome and Opening Remarks: Virgil Lloyd, NEWEA President/Fuss & O'Neill Presentation and vote on 2022 Slate of NEWEA Officers <i>See description on page 33</i>	
Technical Sessions 1–6	8:30–10:30 AM
Note: Session 1—Working Session, 8:30–1:30, special registration required <i>See descriptions beginning on page 17</i>	
Exhibit Hall Grand Opening	10:30 AM
Corey Meyers, Exhibits Committee Chair; Virgil Lloyd, NEWEA President Grand opening will take place at the main entrances of both the 3rd and 4th floor exhibit areas	

Monday, January 24 continued

Exhibits (3rd and 4th Floor Exhibit Areas)	10:30 AM–6:30 PM
Please note that the 3rd and 4th floor exhibit areas are connected by a stairwell in the back of the exhibit hall. <i>See list of exhibitors (as of 1/14/2022) on pages 45–65</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 7–11	2:00–4:30 PM
<i>See descriptions beginning on page 20</i>	
Exhibit Hall Break	3:00–3:30 PM
Exhibit Hall Reception (3rd Floor Exhibit Area)	4:30–6:30 PM

Tuesday, January 25

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Breakfast (Hyannis).....	7:30–8:30 AM
Exhibits (3rd and 4th Floor Exhibit Areas)	8:00 AM–6:30 PM
Innovation Pavilion (3rd Floor Atrium)	8:00 AM–4:00 PM
<i>See description on pages 34–35</i>	
NEWEA Past Presidents' Breakfast (by invitation).....	8:00–9:00 AM
Technical Sessions 12–16	8:30–11:00 AM
<i>See descriptions beginning on page 23</i>	
College Student Poster Board Competition	9:00 AM–4:00 PM
Coordinator: Joanna Sullivan, Hazen and Sawyer (3rd Floor Atrium) <i>See descriptions on pages 36–37</i> • Session with authors.....	
Exhibit Hall Break	9:30–10:00 AM
Tuesday Keynote Presentation (Salon E)	11:00 AM–Noon
The Future of the Clean Water Act—What Do the Next 50 Years Hold? <i>See description on page 16</i>	
Operator's Reception (Clarendon/Exeter).....	12:15–1:45 PM
Sponsored by: Connecticut Association of Water Pollution Control Authorities Connecticut Water Pollution Abatement 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 17–21	2:00–4:30 PM
<i>See descriptions beginning on page 26</i>	
Exhibit Hall Break	3:00–3:30 PM
Student Award Reception (3rd Floor Atrium).....	3:15–4:00 PM
Exhibit Hall Reception (4th Floor Exhibit Area)	4:30–6:30 PM

Wednesday, January 26

Registration (4th Floor).....	7:30 AM–2:00 PM
Speakers' Breakfast (Hyannis).....	7:30–8:30 AM
Exhibits (3rd and 4th Floor Exhibit Areas).....	8:00 AM–1:00 PM
Technical Sessions 22–26	8:30–11:00 AM
<i>See descriptions beginning on page 29</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 27–30	1:00–3:00 PM
<i>See descriptions beginning on page 31</i>	
Adjourn	3:00 PM



Monday, January 24 11:00 AM–Noon

Moderator:
Lauren Hertel,
NEWEA Program Chair
Woodard & Curran

Salon E



Tamika N. Jacques

Opening Session

Welcome:

Virgil Lloyd, NEWEA President
Fuss & O'Neill

John Trofatter, WEF Trustee
Teledyne ISCO - Water Platform

Keynote Speaker:

Tamika N. Jacques, Ed.D.

DEI Consultant, Workforce Strategist, Author
Tamika Jacques is a workforce specialist and DEI consultant. Dr. Jacques has been in the workforce development field for more than twenty years and has created numerous training programs to empower women, minorities, college students, youth, incumbent and under-employed workers. Currently, Dr. Jacques is the Senior Program Director for Workforce Development at the Massachusetts Clean Energy Center.

A highly sought-after speaker, Dr. Jacques often lectures on the subjects of developing and sustaining diverse and inclusive networks, empowering your dreams, career vision boards, and building a green workforce economy. As part of her many accomplishments, she was given the Rising Star Award from the New England Women in Energy and The Environment (NEWIEE) in 2017 and the Excellence in Diversity and Inclusion from the Greater Boston Chapter of American Association of Blacks in Energy in 2021.

In 2019, Dr. Jacques published *A Brown Girls Guide to Employment and Networking* which reached #1 on Amazon under the topic of Vocational Education. The bestseller was also listed on Forbes.com as one of the Best Books for Networking. Dr. Jacques's second book, *A Brown Parents Guide, Preparing Our Children for Employment In The 21st Century* was released in January 2021, and is available on Amazon.com.

Dr. Jacques has an Educational Doctorate in Educational Leadership from Johnson & Wales University, Master of Science in College Student Development and Counseling from Northeastern University and a Bachelor of Science in International Economics from Suffolk University

Tuesday, January 25
11:00 AM–Noon

Moderator:
Frederick McNeill,
NEWEA President-Elect,
City of Manchester, NH

Salon E

Tuesday Keynote Presentation

The Future of the Clean Water Act— What Do the Next 50 Years Hold?

For the 50 years since the passage of the Clean Water Act, the world has changed dramatically. From an era of rivers that literally caught fire, we have collectively created a world where Americans can expect their rivers, lakes, and oceans to be clean and safe. It has been a half century of real, meaningful improvement and the clean water industry has much to be proud of.

There are still, of course, improvements to be made, and new approaches and technologies are being developed as we speak. Today, we face a critical need for infrastructure investment, emerging contaminants, and other real challenges. Most professionals in this industry have a sense of what is to come in the immediate future, but beyond the near-term, what new challenges and opportunities might we face? This panel discussion will offer attendees insights into what the next 50 years of the Clean Water Act might look like. What disruptive changes will technological advances bring? What will the regulatory focus be? What skills will we need to enhance or develop to meet new challenges?

Panelists will include a regulator, utility representative(s), and a futurist, among others. Each will offer their perspective and outlook for the long-term of the clean water industry. Through a guided conversation as well as audience questions, we will dig into the issues that matter most to clean water professionals to inform and inspire.

Panelists include:

Jeanette Brown, former WEF President, Manhattan College Professor/Stevens Institute of Technology
Robert Varney, former EPA Regional Administrator, President, Normandeau Associates
John Sullivan, Chief Engineer, BWSC
Laurie Horridge, Executive Director, NBC

Monday
8:30–10:30 AM

Session 1

Innovation:
US EPA Southeast
New England Programs
(SNEP)

Moderators:
Marianne Langridge,
Sustainable Synthesis
Bruce Walton
Battalia Winston

Dartmouth/Exeter

Session 2

CSO/Wet Weather
Issues 1:
Notifications,
Applications,
Infrastructure
Improvements, and
High-Rate Treatment

Moderators:
Joshua Schimmel,
Springfield Water & Sewer
Commission
Jim Drake, CDM Smith

Salon A/B

Technical Sessions 1–6

Innovative/Alternative OWTS Charrette—What will it take to address the discharges impact on our coastal communities that are not on centralized sewer?

There are a number of promising solutions in permitting, but the organizational (Operations, Management & Monitoring—O,M&M), regulatory and financial systems to support their adoption need development. This will be a hands-on design workshop to imagine solutions for funding and O,M&M in a distributed systems approach. Participants need not have technical expertise in OWTS technology to contribute.

This is a working session that will run from 8:30 AM to 1:30 PM. Session is full.

WPCA Facilities Planning in Bridgeport: Balancing Critical WWTP Infrastructure Needs & Resolving CSO Discharges

Alexandra Greenfield, CDM Smith
Jane Madden, CDM Smith
Lauren McBennett Mappa, Bridgeport WPCA

Somerville's BRIC Application for Union Square

David VanHoven, Stantec
Rich Raiche, City of Somerville, MA

Lebanon's CSO Program—20 Years in the Making

Ryan Wingard, Wright-Pierce

Development of World's Largest Dual-Use High-Rate Primary & Wet Weather Flow Filtration Process Using Floating Media

Jonathan Liberzon, Tomorrow Water

Monday
8:30–10:30 AM

Session 3

**Sustainability:
Integrating
Sustainability in Project
Planning, Design, and
Construction**

Moderators:
Laura Stock, SUEZ

Simmons

Session 4

**Residuals 1:
Residuals and Biosolids
Study and Planning**

Moderators:
Janine Burke-Wells,
Northeast Biosolids &
Residuals Association
Justin Motta, Stantec

Suffolk

Technical Sessions 1–6

**Sustainability Through Innovative Reuse in a
Design-Build Wastewater Treatment Plant Upgrade**
John Finnegan, AECOM

**Langone Park & Puopolo Playground Renewal—
A Catalyst for Climate-Resilient Design,**
Brandon Kunkel, Weston & Sampson.

EPA AAA Process for Facility Upgrade Selection
Kayla Larson, Tighe & Bond
Emily Cole-Prescott, City of Saco, ME

**Sound the “High Water” Alarm—Effects of Sea Level
Rise on Maine’s Wastewater Infrastructure**
Maeve Carlson, Wright-Pierce
Ania Wright, Sierra Club
Kendra Jo Grindle, Island Institute

**A Holistic Approach to Struvite Management—
Key to Improved Operations and Decreased
Operations/Maintenance Cost**

Varun Srinivasan, Brown and Caldwell

**Feasibility and Design of Biosolids Drying at
Lewiston Auburn Water Pollution Control Authority
WWTP**

Don Song, Brown and Caldwell
Paula Drouin, Lewiston-Auburn Water Pollution Control
Authority

**Results from the Second National Biosolids
Regulation, Quality, End Use, and Disposal Survey**
Janine Burke-Wells, Northeast Biosolids & Residuals
Association

Jennifer Lichtensteiger, NEIWPCC
Ned Beecher, Northeast Biosolids & Residuals
Association

Hybrid Biofilter for Biosolids Odor Control
Carol Zuerndorfer, Brown and Caldwell

Monday
8:30–10:30 AM

Session 5

**Government Affairs 1:
The Great Bay Total
Nitrogen General
Permit— Presentation
and Panel Discussion**

Moderators:
Bill Arcieri, VHB

Provincetown

Session 6

**Asset Management 1:
Case Studies**

Moderators:
Dan Capano,
Gannett Fleming Engineers
and Architects
John Sykora,
Weston&Sampson

Salon C/D

Technical Sessions 1–6

There will be an opening presentation to set the stage for the discussion about Great Bay Estuary regulatory drivers and evolving stormwater point source and non-point nitrogen management programs. It will include a review of how the clean water industry has dealt with nitrogen and stormwater in the Great Bay and what additional challenges managers face today.

**Regulatory Changes, Stormwater and Nutrient
Management Practices and Public Concern’s
Impacts on the Great Bay.**

Terry Desmarais, City of Portsmouth, NH
Gretchen Young, City of Dover, NH

Panel Discussion:

Samir Bukhari, EPA

Melissa Paly, Conservation Law Foundation

Ellen Weitzler, EPA

Ted Diers, NH DES

Suzanne Woodland, City of Portsmouth, NH

James Steinkrauss, Rath Law

Bill Arcieri, VHB

Gretchen Young, City of Dover, NH

**3D GIS and Virtual Reality for Facility and Asset
Management**

Zachary Jaffe, LandTech Consultants

Hitting a 20-year Capital Grand Slam in Gloucester

Karen Chan, Wright-Pierce

Laurie Perkins, Wright-Pierce

**Proactive Asset Management of Newport’s
Wastewater and Stormwater Systems Contributes to
Performance Improvements**

Ed Roworth, Jacobs

Julia Fogue, City of Newport, RI

Rob Shultz, City of Newport, RI

**Lessons Learned During Evaluation of a Performance
Assessment Framework**

Len Sekuler, Arcadis

Adebola Fashokun, WSSC Water

Monday
2:00–4:30 PM

Technical Sessions 7–11

Session 7

Government Affairs 2: Regulator Roundtable and Regional Updates

Moderator:

Scott Firmin,
Portland Water District

Provincetown

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:

Joespeh Haberek, RI DEM
Gregg Wood, ME DEP
Tracy Wood, NH DES
Amy Polaczyk, VT DEP
Kathleen Baskin, MassDEP
Nisha Patel, CT DEEP

Session 8

Stormwater 1: Stormwater Data, Monitoring, and Compliance—Oh My!

Moderators:

James Houle,
University of New
Hampshire
Andrew Goldberg,
Brown and Caldwell

Salon A/B

Super High Resolution Multi-Parameter Stormwater Monitoring—Recommendations for Affordable

Approaches to Nutrient Monitoring

Amy Mueller, Northeastern University
Jonnas Jacques, Kleinfelder
Charlie Jewell, Boston Water and Sewer Commission
Amy Schofield, Boston Water and Sewer Commission
Edward Beighley, Northeastern University

The Great Bay Estuary System Model— A Mechanistic and Quantifiable Framework for the Assessment of Resource Management Decisions

Andy Thuman, HDR
Cristhian Mancilla, HDR
Thomas Gallagher, HDR

Meta-Analysis of Dry Weather Outfall Screening Data

Emily Scerbo, Tighe & Bond
Jennifer Lawrence, Tighe & Bond
Kayla Larson, Tighe & Bond
Natalie Koncki, Tighe & Bond

Boston Water and Sewer Commission— Modeling Green Infrastructure Implementation and Tracking Water Quality Improvement in Boston MS4 Reporting Areas

John Rahill, Kleinfelder
Amy Schofield, Boston Water and Sewer Commission
Charlie Jewell, Boston Water and Sewer Commission
Steven Huang, Kleinfelder

Exhibit Hall Break
3:00–3:30 PM

Monday
2:00–4:30 PM

Technical Sessions 7–11

Session 9

Watershed Management: Watershed Resilience— From Adaptation Resources to Watershed Based Solutions

Moderators:

James Plummer, NEIWPC
Jennifer Johnson,
Nitsch Engineering

Suffolk

Session 10

Small Community: Collection, Nutrient & Discharge Solutions

Moderator:

Megan Trahan,
Woodard & Curran
Ian Catlow, Tighe & Bond

Simmons

Adaptation For All—How to Build Flood Resilience for Communities of Every Size

Trevor Johnson, Arcadis

Nitrogen Trading Opportunities Under Massachusetts' First Watershed Permit

Mike Giggey, Wright-Pierce
Carole Ridley, Ridley and Associates

Obstacles And Opportunities for Nutrient Trading in The Long Island Sound Study Area

Rachel Bouvier, R Bouvier Consulting

Manganese Oxide Nanoparticles

Sadie Lafleur, University of Rhode Island

Doing More with Less—A Tale of Enhanced Biological Phosphorous Removal

David Ford, Town of Wolfeboro, NH
Jacob Metch, HDR
Rebecca Elwood, HDR

Innovative Disposal System Performs Well Under Performance-Based Groundwater Discharge Permit

Adam Higgins, Wright-Pierce

Implementation of an I/I Reduction and Hydraulic Modeling Program to Optimize Collection System Capacity for Future Development

Anastasia Rudenko, GHD
Benn Sherman, Town of Uxbridge, MA
Marc Drainville, GHD

Discharge Won't Do—PDD Opens Up Possibilities in Small Community

Julianne Page, Woodard & Curran
Brent Bridges, Woodard & Curran

Exhibit Hall Break
3:00–3:30 PM

Monday
2:00–4:30 PM

Technical Sessions 7–11

Session 11

**Collection Systems 1:
Repairs—Handle the
Situation Before the
Situation Handles You**

Moderators:

James Barsanti,
Mass DEP
Matthew Corbin,
Wright-Pierce

Salon C/D

**Have You Ever Been Railroaded? Lessons from a
Force Main Repair in a Railroad Right-of-Way**
Olivia Lafond, Woodard & Curran
Jeff Kalmes, Town of Billerica, MA

**Targeted Inspections Used to Assess Force Main
Condition After Failure**

Allison Zeoli, Arcadis
Bryce Annino, CPI Engineering

**Large Diameter Trenchless Rehabilitation by the
Holland Tunnel**

Brian Shiels, Mott MacDonald

**Removal of Ocean I-I and Restoration of Sewer
Capacity—Replacement of the Gravity Sewer System
in the Cedar Point Area of Scituate, MA**

Paul Millett, Environmental Partners
William Branton, Town of Scituate, MA



Exhibit Hall Break
3:00–3:30 PM

Tuesday
8:30–11:00 AM

Technical Sessions 12–16

Session 12

**Collection System 2:
Floods, Covid, Siphons
and GIS—A Basket of
Solutions**

Moderators:

Kara Johnston,
CDM Smith
Ryan Wingard,
Wright-Pierce

Salon A/B

**Adapting Collection System Infrastructure to
Changing Flood Vulnerabilities—Wareham
Massachusetts Case Study**

Lenna Quackenbush, GHD
Anastasia Rudenko, GHD

**How Wastewater Testing Helped to Improve Covid
Outcomes in Chelsea, MA**

Peter Garvey, Dewberry
Barry Keppard, Metropolitan Area Planning Control
David Bedoya, Dewberry
Louis Mammolette, City of Chelsea, MA

Grit Traps Reduce Maintenance on Inverted Siphons
Jack Troidl, Woodard & Curran

**Innovative Uses of GIS for Wastewater Collection
O&M**

Laurie Perkins, Wright-Pierce
Kean McDermott, Wright-Pierce

Session 13

**Plant Operations 1:
Tying Fundamentals to
Operations**

Moderators:

Matthew Pitta,
CDM Smith
Adam Higgins,
Wright-Pierce

Salon C/D

**Correlating Operational Conditions to Activated
Sludge Microbial Community in One Year of an A2O
Process**

Edris Taher, Upper Blackstone Clean Water
Karla Sangrey, Upper Blackstone Clean Water
Mahsa Mehrdad, Environmental Operating Solutions
Timothy Loftus, Upper Blackstone Clean Water

**Increasing Removal Efficiency of Primary Settling
Through Influent Solids Characterization and CFD
Modeling**

Jacob Metch, HDR
Hany Gerges, HDR
Sean McKelvey, City of Philadelphia, PA

**Simulating Side-Stream EBPR (S2EBPR) in Full-Scale
and Pilot-Scale Demonstration Studies: Modeling
Approaches and Challenges**

Varun Srinivasan, Brown and Caldwell

**Optimizing Aeration Control to Meet the Needs of
Process Intensification**

Paul Dombrowski, Woodard & Curran
Jonathan Himlan, Woodard & Curran

Exhibit Hall Break
9:30–10:00 AM

Tuesday
8:30–11:00 AM

Technical Sessions 12–16

Session 14

Contaminants of Emerging Concern: PFAS and PFurious

Moderators:

Camilla Kuo-Dahab, University of Minnesota
Janice Weldon, University of Massachusetts Amherst

Provincetown

Session 15

Utility Management—Learning from the Past and Planning for the Future

Moderators:

Kevin Garvey, Wright-Pierce
Donald Gallucci, Weston & Sampson

Simmons

Destructive Technologies Overview for Complete PFAS Treatment Solutions

Steve Woodard, ECT2

Holding PFAS Polluters Accountable in New England

Ken Sansone, SL Environmental Law Group

Electrochemical Destruction of PFAS and 1,4-Dioxane

Jose Alvarez, Aclarity
Julie Bliss Mullen, Aclarity

PFAS in Stormwater—Lessons Learned and Where We’re Headed

Renee Bourdeau, Geosyntec Consultants

10 Years Later—A Renewed Contract, \$2.5M Cost Savings, Upgraded Technology—How to Navigate When Your WW Contract Ops Agreement Expires

Evan Raffi, Arcadis
Amy Anderson George, Arcadis
Daniel Borges, City of East Providence, RI

What If Amazon Ran a Treatment Facility—The Future of Wastewater Automation

Susan Guswa, Woodard & Curran

Federal Funding for Wastewater Infrastructure—What We Know and What to Expect

Jessica Richard, Woodard & Curran

Infrastructure Planning in Disadvantaged Communities

Scott Turner, Environmental Partners
Sara Bucci, Environmental Partners

Tuesday
8:30–11:00 AM

Technical Sessions 12–16

Session 16

Energy: Strategic Energy Management

Moderators:

Sharon Nall, NH DES
Tracy Chouinard, Brown and Caldwell

Suffolk

Lessons Learned from Starting a Biosolids Pyrolysis Project During a Pandemic

Raymond Porter, Porter Odor Science
Sam Sylvetsky, Biowaste Pyrolysis Solutions

South Essex Sewerage District’s Progress Towards a Long Term-Energy Management Strategy

Michael Wilson, South Essex Sewerage District
David Michelsen, South Essex Sewerage District
Peter Pommersheim, South Essex Sewerage District
Richard Delacono, South Essex Sewerage District

The Role of WRRFs in the Global Climate Challenge—Opportunities for Decarbonization Strategies

Jen Muir, JKMuir
Molly Keleher, JKMuir

A New Approach to Reducing Energy Consumption Using Artificial Intelligence

Patrick McCafferty, CDM Smith



Exhibit Hall Break
9:30–10:00 AM

Exhibit Hall Break
9:30–10:00 AM

Tuesday
2:00–4:30 PM

Technical Sessions 17–21

Session 17 CSO/Wet Weather Issues 2: Analyzing the Data

Moderators:
Steve Perdios,
Dewberry
Larry Sullivan,
Norwich Public Utilities

Salon A/B

Quantifying the Accuracy of Various Rainfall Spatial Interpolation Techniques

Matthew Davis, Brown and Caldwell

Innovative Root Cause Analysis to Identify Chronic Surface Flooding Countermeasures

Miles Bateman, Dewberry
David Bedoya, Dewberry

Adaptation of System Monitoring Approaches to Meet Future Challenges

Karilyn Heisen, CDM Smith
Justin Chicca, Town of New Bedford, MA
Scott Craig, CDM Smith
Shawn Syde, Town of New Bedford, MA

Data Analytics for Wet Weather Solutions, a Sharing Experience in Getting the Most Out of Your Data to Achieve the Best Possible Outcome

Nicholas Anderson, Stantec

This moderated panel discussion (session) will provide an update on regulatory obligations for New England's MS4 communities and the private sector with a specific focus on nutrient control initiatives. Additionally, this session will provide an update on and introduction to several innovations in stormwater-related nutrient control. The areas of discussion build upon previous hot topic panel discussions at NEWEA and create a forum for regulators and regulated practitioners to discuss opportunities and challenges for one of the most pressing stormwater issues in New England.

Panelists include:

James Houle, University of New Hampshire
Theresa McGovern, VHB
Kenneth Moraff, EPA
Jim Pease, VT DEC
Laura Schifman, MassDEP
Newton Tedder, EPA
Ken Wagner, Water Resource Services

Session 18 Stormwater Panel Discussion—The Latest in Stormwater Regulations and Innovative Nutrient Controls

Moderators:
Zach Henderson,
Woodard & Curran
Lauren Caputo, VHB

Salon C/D

Exhibit Hall Break
3:00–3:30 PM

Tuesday
2:00–4:30 PM

Technical Sessions 17–21

Session 19 Public Awareness— Bringing a Positive Image to The Clean Water Industry

Moderators:
Faye DeMoura,
Wright-Pierce
Denise Descheneau, Upper
Blackstone Clean Water

Suffolk

Session 20 Plant Operations 2: Process Intensification

Moderators:
John Adie, NH DES
Matt Pitta, CDM Smith

Simmons

Gaining Support for Public Works & Infrastructure Through Social Media—The City of Gloucester Spreads the Word

Conrad Leger, Environmental Partners
Cassandra Thompson, Environmental Partners
Michael Hale, City of Gloucester, MA

Healthy Lake Boon Initiative

Andrew Goldberg, Brown and Caldwell
Fiona Worsfold, Brown and Caldwell
Dan Barstow, Lake Boon Association
David Gray, Grayscale Solutions

Incorporating Diversity, Equity, & Inclusion in Infrastructure Projects

John Frey, Weston & Sampson
Deanna Lambert, Weston & Sampson
Aaron Clausen, City of Lynn, MA

Flipping the Bird—Rebranding at Upper Blackstone

Karla Sangrey, Upper Blackstone Clean Water
Denise Descheneau, Upper Blackstone Clean Water

Construction and Performance of North America's Largest CoMag Ballasted Flocculation Process for Phosphorus Removal

Pamela Westgate, Kleinfelder
Jose Infante-Corona, Kleinfelder

Startup & Initial Operation of the New Peirce Island WWTF

Erik Meserve, AECOM
Jon Pearson, AECOM
Peter Conroy, City of Portsmouth, NH
Terry Desmarais, City of Portsmouth, NH

Lessons Learned Installing and Starting-up the CoMag Process for Low Level Phosphorus Removal at the Southington CT WPCP

Cynthia Castellon, Tighe & Bond
Fred Mueller, Tighe & Bond

A Phoenix from the Ashes—The Fall and Rise of the Greenfields Wastewater Treatment Plant

Erin Moore, Tighe & Bond
David Seche, Tighe & Bond

Exhibit Hall Break
3:00–3:30 PM

Tuesday
2:00–4:30 PM

Technical Sessions 17–21

Session 21

Residuals 2: Regulator Roundtable

Moderators:

Eric Spargimino,
CDM Smith

Natalie Sierra,
Brown and Caldwell

Provincetown

There will be an opening presentation to set the stage for the discussion about regulatory drivers and evolving residuals management programs. It will include a review of how the clean water industry previously dealt with contaminants of emerging concern and what additional challenges residual managers face today.

Regulatory Changes, Nutrient Management Practices and Public Concern's Impact on Biosolids Management, the More Things Change...

Mark Lang, Black & Veatch

Panel Discussion with:

Alex Pinto, RIDEM

Anthony Drouin, NH DES

Eamon Twohig, VT DEC

Mike Jakubowski, ME DEP

Rowland Denny, CT DEEP

Jennifer Wood, MassDEP



Exhibit Hall Break

3:00–3:30 PM

Wednesday
8:30–11:00 AM

Technical Sessions 22–26

Session 22

Collection Systems 3: Sewers are Like Life— It All Depends on What You Put into It

Moderators:

Scott Lander, Retain-it

John DiGiacomo,
Town of Natick, MA

Salon A/B

COVID-19 Modern Trash Loading Proves Sewage Pump Clog Resistance Can Not Be Predicted by Impeller Throatlet Size

Robert Domkowski, Xylem

Taking Out “Flushable” Wipes—A Case Study on Eliminating Pump Cleanouts

Mark Wilson, Duperon

Advanced Sewer Process Modeling to Develop Odor and Corrosion Solutions for Managing Sewer Assets

John Siczka, Jacobs

Some Things Neighbors Should Not Share—The Story of Successfully Separating Shared Sewer Laterals

Michael Stein, Wright-Pierce

Laurie Perkins, Wright-Pierce

Session 23

Plant Operations 3: Focus on Operations and Startup

Moderators:

Pamela Westgate,
Kleinfelder

Mickey Nowak, MAWEA

Provincetown

Moving from Reactive to Proactive Operations—Barstow, CA WRRF's Journey to Optimization

Steve Myers, HACH

An Operator's Tale of Living Through a Facility Upgrade

Chris Welch, Town of Uxbridge, MA

Sara Greenberg, GHD

Implementing Cybersecurity and Network Improvements at LRWWU

Tim Maynard, Woodard & Curran

Evan Walsh, City of Lowell, MA

Repair, Rehabilitate, or Replace: Approaches to Renewing Wastewater Treatment Clarifiers

Erik Osborn, Woodard & Curran

Sean Tarbox, Woodard & Curran

Exhibit Hall Break

9:30–10:00 AM

Wednesday
8:30–11:00 AM

Technical Sessions 22–26

Session 24

**Stormwater 2:
Lessons Learned in
Green Infrastructure**

Moderators:
Eric Kelley,
Environmental Partners
David Bedoya, Dewberry

Salon C/D

Framework for Managing Stormwater Infrastructure
Lauren Van Meter, HDR

**CSO Reduction and Green Infrastructure—
A Happy Marriage**
Kevin Trainor, Woodard & Curran

**Successfully Implementing Green Infrastructure to
Transform Public Spaces**
Jennifer Johnson, Nitsch Engineering
Erica DeDonato, Town of Milton, MA
Marina Fernandes, Town of Milton, MA

**Relief Drains and Daylighting to Solve Neighborhood's
Street Flooding and Stream Velocities**
Eric Kelley, Environmental Partners
Ryan Paul, Environmental Partners
Matthew Weisman, Town of Lexington, MA

Session 25

**Innovation:
Funding Innovation**

Moderator:
Marianne Langridge,
Sustainable Synthesis

Simmons

**Funding Innovation—Insights from the Federal
Infrastructure Funding Bill**
Adam Krantz, National Association of Clean Water
Agencies
Steve Dye, Water Environment Federation

Funding Innovation Panel Discussion with:
Dr. Christobel Ferguson, Water Research Foundation
Dr. Jeff McCutcheon, University of Connecticut/
National Alliance for Water Innovation
Roger Berry, Sudoc

Session 26

**Water Reuse in Action:
Technologies and
Operations**

Moderators:
Vanessa Borkowski,
Stantec
David Moering,
Woodard & Curran

Suffolk

**Pilot-Scale Assessment of Ferrate for Wastewater
Recycling**
Charles Spellman, University of Rhode Island

**Ceramic Microfiltration Allows Reuse of Challenging
Wastewaters at Two U.S. Locations**
Dave Holland, Aqua-Aerobic Systems

Panel Discussion with:
Mark Schemel, Weston & Sampson
Rob Scott, Woodard & Curran
Jim Huntington, Natural Systems Utilities
John Tekula, Natural Systems Utilities
Jacob Fortin, Woodard & Curran

Exhibit Hall Break
9:30–10:00 AM

Wednesday
1:00–3:00 PM

Technical Sessions 27–30

Session 27

**Collection Systems 4:
In (Verified) Data We
Trust**

Moderators:
Peter Garvey, Dewberry
Tom Loto, AECOM

Salon A/B

**Gaining on 90%+ Flow Meter Coverage in Study
Areas Overrun by Pump Stations**
Laurie Perkins, Wright-Pierce
Karen Chan, Wright-Pierce
Meghan Otis, Wright-Pierce

**Data Driven Pretreatment & Collection System
Management**
Tanner Lauringson, KANDO
Anne-Li Steutel, KANDO

**Prioritizing Sanitary Sewer Collection System
Repairs on an Aging System**
Karina Massey, Jacobs

A Drill to Growth and Reliability
Kevin Garvey, Wright-Pierce

Session 28

**CSO/Wet Weather
Issues 3:
Treatment and Storage
of CSO Flows**

Moderators:
Jason Kreil,
Woodard & Curran
Larry Murphy, Jacobs

Salon C/D

**Updating Airflow Design Criteria for a CSO Tunnel
Odor Control Facility Using Direct Measurement
Techniques**
Robert Baglini, Narragansett Bay Commission
Derick Hopkins, Wright-Pierce
Eugene Sorkin, Narragansett Bay Commission

**Boston Water and Sewer Commission—Improving
System Hydraulics in the Dorchester Interceptor
Through Off-line Storage and Inflow Reduction
Alternative**
John Rahill, Kleinfelder
Stephen Shea, Kleinfelder

**Utilizing Prestressed Concrete for Cost Effective,
Long Term CSO Storage**
Corey Meyers, DN Tanks
Andy Begin, Greater Augusta Utility District
Brian Tarbuck, Greater Augusta Utility District
Kevin Obery, Wright-Pierce

**Enhanced Chlorination and Dechlorination for
Wet Weather Treatment in Norwalk**
Mary Penny, Arcadis

Wednesday
1:00–3:00 PM

Session 29

Industrial Wastewater: New Innovations and Treatment Solutions

Moderator:

Sarah White,
Unifirst Corp

Matthew Dickson,
MGD Process Technology

Simmons

Session 30

Asset Management 2: Tools and Resiliency

Moderators:

Matt Manchisi,
Kimley-Horn

Eliza Morrison, NH DES

Provincetown

Technical Sessions 27–30

Treatment of High Nitrate Industrial Waste

Jeanette Brown, Manhattan College/Stevens Institute of Technology

David Vaccari, Stevens Institute of Technology

Alkaline Hydrolysis of Nitrocellulose (NC) and Comparative Evaluation of End-Pipe Processes for Nitrogen Removal in Hydrolyzed Liquor

Amalia Terracciano, Stevens Institute of Technology

The Industrial User and POTW Relationship—Working Collaboratively Towards a Permitting a New Pharmaceutical Discharge

Jocelyn Russell, Dewberry

Leigh-Ann Dudley, Dewberry

Electrochemical Destruction of Cyanide and other Chelation Agents in Plating Wastewater

Jose Alvarez, Aclarity

Extreme Makeover—Outfall Edition

Chelsea Waite, Woodard & Curran

Erik Osborn, Woodard & Curran

How to Build Resiliency and Tap the Funding Pipeline through Master Planning

Richard Niles, Woodard & Curran

Marc Strange, City of Agawam, MA

Scott Medeiros, Woodard & Curran

A Risk-based Approach to Prepare Utility Infrastructure for Storms Ahead—Considerations of a Proactive Utility in Coastal Virginia

Timothy Adams, CDM Smith

Lauren Miller, CDM Smith

Smart One Water—Integrating Workforce, Governance, and Technology Innovation

Kenneth Thompson, Jacobs

Monday
8:00–8:30 AM

Regis

Respectfully Submitted by
the NEWEA Nominating

Committee:

Janine Burke-Wells, Chair

Steve Clifton

Susan Guswa

Jennifer Kelly Lachmayr

Ray Vermette

All nominees have
indicated their
willingness to serve.

Annual Business Meeting

2022 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 24, 2022:

- Vice President – Scott Goodinson
- Deputy Treasurer – David VanHoven
- Council Director: Meeting Management – Amy Anderson George
- Council Director: Treatment System Operations & Management – Marina Fernandes
- WEF Delegate – Janine Burke-Wells
- Maine Director – Paula Drouin
- New Hampshire – Michael Trainque

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

- President – Frederick McNeill
- President-Elect – Robert Fischer
- Past President – Virgil Lloyd
- Treasurer – Clayton (Mac) Richardson/David VanHoven

The remaining incumbents are fulfilling unexpired terms:

- WEF Delegate – James Barsanti (through WEFTEC 2022)
- WEF Delegate – Peter Garvey (through WEFTEC 2023)
- WEF Delegate – Raymond Vermette (through WEFTEC 2024)
- Council Director: Communications – Deborah Mahoney (2nd year)
- Council Director: Outreach – Colin O'Brien (2nd year)
- Council Director: Innovation – Marianne Langridge (3rd year)
- Council Director: Collections Systems and Water Resources - Vonnie Reis (3rd year)
- Connecticut Director – Vanessa McPherson, fulfilling William Norton's 3rd year (3rd year)
- Massachusetts Director – Adam Yanulis (3rd year)
- Rhode Island Director – Edward Davies (2nd year)
- Vermont Director – Michael Smith (2nd year)

Tuesday
8:00 AM–4:00 PM

3rd Floor Atrium



NEWEA's Innovation Council Innovation Pavilion

NEWEA's Innovation Council is excited to announce the 4th annual Water Innovation Pavilion, taking place during the 2022 NEWEA Annual Conference.

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

Modeled on the Innovation Pavilion forum at the Water Environment Federation's (WEF) Annual Conference, the goal of this event is to provide a forum for sharing new ideas, enabling innovators and researchers to get input from people on the front lines of providing clean water, and creating enduring connections between businesses, utilities, regulators, and academics to drive innovation in our region. The close proximity of so many cities, utilities, businesses, and innovators who are passionate about water makes the Northeast unique in the water-cluster ecosystem in the United States.

We are pleased to highlight leading water innovations during our full-day program, which will feature three panel discussions, Shark Tank pitches from students, and exhibits from some of the most promising water innovators in the region. Come visit the Innovation Pavilion to meet with these innovators and learn about their developments.

Thank you to our Water Innovation Partners:
Watts, Evoqua, and UHRIG

Join us as we hear from the Water Innovators of New England at the Innovation Pavilion on Tuesday, January 25th 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. Come and meet with innovators; learn about their technologies; and listen to discussions on water innovation.

Exhibitors

Aclarity
GoAigua, Inc.
KleanTu LLC
Lombardo Associates
Maine Manufacturing Partners
Microbe Detectives
MICROrganic Technologies
Stormsensor
UHRIG
Verified Water, Inc.
Water Analytics

Thank you to our sponsors:



SCHEDULE

8:00 AM	Join us for coffee & danish pastries Innovation Pitches— Focus: Water/Wastewater Treatment Microbe Detectives MICROrganic Technologies Lombardo Associates KleanTu
10:00– 10:20	NEWEA Innovation Partnership Network Megan Goldsmith , NEWEA Intern and Marianne Langridge , NEWEA Innovation Council Director, Sustainable Synthesis
Noon– 12:30	Innovation Pitches—Focus: Water/ Wastewater Treatment Operational Improvements Aclarity UHRIG Maine Manufacturing Partners
12:30– 1:30	Reverse Pitch— Frontline Needs to address PFAS • Chi Ho Sham , Eastern Research Group • Janine Burke Wells , Northeast Biosolids & Residuals Association • Howard Carter , City of Saco, ME
1:30– 2:00	Innovation Pitches— Focus: Analytics & Monitoring GoAigua Verified Water Water Analytics Stormsensor
3:00– 3:30	Student Shark Tank Judges: Dr. Christobel Ferguson, WRF Dr. Jeff McCutcheon, UCONN/NAWI Amy Corriveau, CDM Smith <i>1. The Effect of Oscillating Electric Fields on Struvite Precipitation in Side-stream Wastewater</i> Kamruzzaman Khan, University of Vermont <i>2. Charles River Artificial Floating Wetland</i> Kitty Lovell, University of MA Amherst
3:30– 4:00	Student Poster Awards
4:30– 6:30	Exhibit Hall Reception

Tuesday
9:00 AM–4:00 PM

Session with authors
12:30–2:00 PM

3rd Floor Atrium

Coordinator:

Joanna Sullivan,
Hazen and Sawyer

Undergraduate Student Poster Board Competition

Continuous Culturing of MnOx Producing Bacteria to Biosynthesize Manganese Oxide Nanoparticles
Caroline Canales—University of Rhode Island

A Study of Beaded Streams in the Arctic
Faye Kuszewski, Alanna Joachim, Brady Bell—
University of Massachusetts Amherst

ACTIFLO with Alum: Minimizing Effluent Aluminum
Nicholas Thompson—University of Rhode Island

Working with International Communities to Implement Projects Remotely
Liam Amery, Shane Hancox—University of
Massachusetts, Amherst

Nitrogen and Phosphorus Concentrations in the Charles River
Lauren MacDonald—Northeastern University

Tuesday
9:00 AM–4:00 PM

Session with authors
12:30–2:00 PM

3rd Floor Atrium

Coordinator:

Joanna Sullivan,
Hazen and Sawyer

Graduate Student Poster Board Competition

Nanosheet Toxicity Dependence on Growth Conditions and Bacterial Growth Stage
Zachary Shepard—University of Rhode Island

The Fate of SARS-CoV-2 Viral RNA in Coastal New England Wastewater Treatment Plants
Mina Aghababaei—University of New Hampshire

Co-treatment of Acid Mine Drainage in Activated Sludge Sequencing Batch Reactors
CJ Spellman, Jacira Soares, Aaron Myers, Eloise Davis,
Megan Caless—University of Rhode Island

Pfas Occurrence, Distribution and Signature in Drinking Water Sources in Massachusetts
Christian Pasichny, Janice Weldon—University of
Massachusetts, Amherst

Degradation of Dissolved Explosives in an Electrochemical Flow-Through Reactor: Cathode Optimization and Reaction Kinetics
Nazli Rafei Dehkordi—Northeastern University

Moderators

SESSION	MODERATOR	AFFILIATION
Keynote	Lauren Hertel	Woodard & Curran
Keynote	Frederick McNeill	City of Manchester, NH
1	Marianne Langridge	Sustainable Synthesis
1	Bruce Walton	Battalia Winston
2	Jim Drake	CDM Smith
2	Joshua Schimmel	Springfield Water & Sewer Commission
3	Laura Stock	SUEZ
4	Janine Burke-Wells	Northeast Residuals & Biosolids Association
4	Justin Motta	Stantec
5	Bill Arcieri	VHB
6	Dan Capano	Gannett Fleming
6	John Sykora	Weston & Sampson
7	Scott Firmin	Portland Water District
8	Andrew Goldberg	Brown and Caldwell
8	James Houle	University of New Hampshire
9	James Plummer	NEIWPCC
9	Jennifer Johnson	Nitsch Engineering
10	Ian Catlow	Tighe & Bond
10	Megan Trahan	Woodard & Curran
11	James Barsanti	MassDEP
11	Matthew Corbin	Wright-Pierce
12	Kara Johnston	CDM Smith
12	Ryan Wingard	Wright-Pierce
13	Matthew Pitta	CDM Smith
13	Adam Higgins	Wright-Pierce
14	Camilla Kuo-Dahab	University of Minnesota
14	Janice Weldon	University of Massachusetts
15	Donald Galucci	Weston & Sampson
15	Kevin Garvey	Wright-Pierce
16	Tracy Chouinard	Brown and Caldwell
16	Sharon Nall	NH DES
17	Steve Perdios	Dewberry
17	Larry Sullivan	Norwich Public Utilities
18	Lauren Caputo	VHB
18	Zach Henderson	Woodard & Curran
19	Faye DeMoura	Wright-Pierce
19	Denise Descheneau	Upper Blackstone Clean Water
20	John Adie	NH DES
20	Matt Pitta	CDM Smith
21	Natalie Sierra	Brown and Caldwell

SESSION	MODERATOR	AFFILIATION
21	Eric Spargimino	CDM Smith
22	Scott Lander	Retain-It
22	John DiGiacomo	Town of Natick, MA
23	Mickey Nowak	MAWEA
23	Pamela Westgate	Kleinfelder
24	David Bedoya	Dewberry
24	Eric Kelley	Environmental Partners
25	Marianne Langridge	Sustainable Synthesis
26	Vanessa Borkowski	Stantec
26	David Moering	Woodard & Curran
27	Peter Garvey	Dewberry
27	Tom Loto	AECOM
28	Jason Kreil	Woodard & Curran
28	Larry Murphy	Jacobs
29	Matt Dickson	MGD Process Technology
29	Sarah White	Unifirst
30	Matt Manchisi	Kimley-Horn
30	Eliza Morrison	NH DES



Presenters

PRESENTER	AFFILIATION	SESSION NO.
Timothy Adams	CDM Smith	30
Jose Alvarez	Aclarity	14, 29
Nicholas Anderson	Stantec	17
Amy Anderson George	Arcadis	15
Bryce Annino	CPI Engineering	11
Bill Arcieri	VHB	5
Robert Baglini	Narragansett Bay Commission	28
Dan Barstow	Lake Boon Association	19
Kathleen Baskin	MassDEP	7
Miles Bateman	Dewberry	17
David Bedoya	Dewberry	12, 17
Ned Beecher	Northeast Biosolids & Residuals Association	4
Andy Begin	Greater Augusta Utility District	28
Edward Beighley	Northeastern University	8
Roger Berry	Sudoc	25
Julie Bliss Mullen	Aclarity	14
Daniel Borges	City of East Providence, RI	15
Renee Bourdeau	Geosyntec Consultants	14
Rachel Bouvier	RBouvier Consulting	9
William Branton	Town of Scituate, MA	11
Brent Bridges	Woodard & Curran	10
Jeanette Brown	Manhattan College/Stevens Institute of Technology	Tuesday Keynote, 29
Sara Bucci	Environmental Partners	15
Samir Bukhari	EPA	5
Janine Burke-Wells	Northeast Biosolids & Residuals Association	4
Maeve Carlson	Wright-Pierce	3
Cynthia Castellon	Tighe & Bond	20
Karen Chan	Wright-Pierce	6, 27
Michelle Chase	City of Agawam, MA	30
Justin Chicca	Town of New Bedford, MA	17
Aaron Clausen	City of Lynn, MA	19
Emily Cole-Prescott	City of Saco, ME	3
Peter Conroy	City of Portsmouth, NH	20
Scott Craig	CDM Smith	17
Matthew Davis	Brown and Caldwell	17
Erica DeDonato	Town of Milton, MA	24
Richard Delacono	South Essex Sewerage District	16
Rowland Denny	CT DEEP	21
Denise Descheneau	Upper Blackstone Clean Water	19
Terry Desmarais	City of Portsmouth, NH	5, 20

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Ted Diers	NH DES	5
Paul Dombrowski	Woodard & Curran	13
Robert Domkowski	Xylem, Inc.	22
Marc Drainville	GHD	10
Anthony Drouin	NH DES	21
Paula Drouin	Lewiston-Auburn WPCA	4
Leigh-Ann Dudley	Dewberry	29
Steve Dye	WEF	25
Rebecca Elwood	HDR	10
Megan Fenstemaker	Duperon Corporation	22
Dr. Christobel Ferguson	Water Research Foundation	25
Marina Fernandes	Town of Milton, MA	24
John Finnegan	AECOM	3
David Ford	Town of Wolfeboro, NH	10
Julia Fogue	City of Newport, RI	6
Jacob Fortin	Woodard & Curran	26
John Frey	Weston & Sampson	19
Thomas Gallagher	HDR	8
Kevin Garvey	Wright-Pierce	27
Peter Garvey	Dewberry	12
Hany Gerges	HDR	13
Mike Giggey	Wright-Pierce	9
Andrew Goldberg	Brown and Caldwell	19
David Gray	Grayscale Solutions	19
Sara Greenberg	GHD	23
Alexandra Greenfield	CDM Smith	2
Kendra Jo Griddle	Island Institute	4
Susan Guswa	Woodard & Curran	15
Joespeh Haberek	RI DEM	7
Michael Hale	City of Gloucester, MA	19
Karilyn Heisen	CDM Smith	17
Adam Higgins	Wright-Pierce	10
Jonathan Himlan	Woodard & Curran	13
Dave Holland	Aqua-Aerobic Systems	26
Derick Hopkins	Wright-Pierce	28
Laurie Horridge	NBC	Tuesday Keynote
James Houle	University of New Hampshire	18
Steven Huang	Kleinfelder	8
Jim Huntington	Natural Systems Utilities	26
Jose Infante-Corona	Kleinfelder	20
Jonnas Jacques	Kleinfelder	8
Tamika N. Jacques	Massachusetts Clean Energy Center	Monday Keynote
Zachary Jaffe	LandTech Consultants Inc.	6
Mike Jakubowski	ME DEP	21

PRESENTER	AFFILIATION	SESSION NO.
Charlie Jewell	Boston Water and Sewer Commission	8
Jennifer Johnson	Nitsch Engineering	24
Trevor Johnson	Arcadis	9
Jeff Kalmes	Town of Billerica, MA	11
Molly Keleher	JKMuir	16
Eric Kelley	Environmental Partners	24
Barry Keppard	Metropolitan Area Planning Control	12
Natalie Koncki	Tighe & Bond	8
Adam Kranz	NACWA	25
Brandon Kunkel	Weston & Sampson	3
Sadie Lafleur	University of Rhode Island	9
Olivia Lafond	Woodard & Curran	11
Deanna Lambert	Weston & Sampson	19
Mark Lang	Black & Veatch	21
Kayla Larson	Tighe & Bond	3, 8
Tanner Lauringson	KANDO	27
Jennifer Lawrence	Tighe & Bond	8
Conrad Leger	Environmental Partners	19
Jonathan Liberzon	Tomorrow Water	2
Jennifer Lichtensteiger	NEIWPC	4
Timothy Loftus	Upper Blackstone Clean Water	13
Jane Madden	CDM Smith	2
Louis Mammolette	City of Chelsea, MA	12
Cristhian Mancilla	HDR	8
Karina Massey	Jacobs	27
Tim Maynard	Woodard & Curran	23
Lauren McBennett Mappa	Bridgeport WPCA	2
Patrick McCafferty	CDM Smith	16
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Kean McDermott	Wright-Pierce	12
Theresa McGovern	VHB	18
Sean McKelvey	City of Philadelphia, PA	13
Scott Medeiros	Woodard & Curran	30
Masha Mehrdad	Environmental Operating Solutions	13
Erik Meserve	AECOM	20
Jacob Metch	HDR	10, 13
Corey Meyers	DN Tanks	28
David Michelsen	South Essex Sewerage District	16
Lauren Miller	CDM Smith	30
Paul Millett	Environmental Partners	11
Erin Moore	Tighe & Bond	20
Kenneth Moraff	EPA	18
Amy Mueller	Northeastern University	8
Fred Mueller	Tighe & Bond	20

PRESENTER	AFFILIATION	SESSION NO.
Jen Muir	JKMuir	16
Steve Myers	HACH	23
Richard Niles	Woodard & Curran	30
Kevin Obery	Wright-Pierce	28
Erik Osborn	Woodard & Curran	23, 30
Meghan Otis	Wright-Pierce	27
Julianne Page	Woodard & Curran	10
Melissa Paly	Conservation Law Foundation	5
Nisha Patel	CT DEEP	7
Ryan Paul	Environmental Partners	24
Jon Pearson	AECOM	20
Jim Pease	VT DEC	18
Mary Penny	Arcadis	28
Laurie Perkins	Wright-Pierce	6, 12, 22, 27
Alex Pinto	RIDEM	21
Amy Polaczyk	Vermont DEP	7
Peter Pommersheim	South Essex Sewerage District	16
Raymond Porter	Porter Odor Science	16
Lenna Quackenbush	GHD	12
Evan Raffi	Arcadis	15
John Rahill	Kleinfelder	8, 28
Rich Raiche	City of Somerville, MA	2
Jessica Richard	Woodard & Curran	15
Carole Ridley	Ridley and Associates	9
Ed Roworth	Jacobs	6
Anastasia Rudenko	GHD	10, 12
Jocelyn Russell	Dewberry	29
Karla Sangrey	Upper Blackstone Clean Water	13, 19
Ken Sansone	SL Environmental Law Group	14
Emily Scerbo	Tighe & Bond	8
Mark Schemel	Weston & Sampson	26
Laura Schifman	MassDEP	18
Amy Schofield	Boston Water and Sewer Commission	8
Rob Scott	Woodard & Curran	26
David Seche	Tighe & Bond	20
Len Sekuler	Arcadis	6
Stephen Shea	Kleinfelder	28
Benn Sherman	Town of Uxbridge, MA	10
Brian Shiels	Mott MacDonald	11
Rob Shultz	City of Newport, RI	6
John Siczka	Jacobs	22
Don Song	Brown and Caldwell	4
Eugene Sorkin	Narragansett Bay Commission	28
Charles Spellman	University of Rhode Island	26

PRESENTER	AFFILIATION	SESSION NO.
Varun Srinivasan	Brown and Caldwell	4, 13
Michael Stein	Wright-Pierce	22
James Steinkrauss	Rath Law	5
Anne-Li Steutel	KANDO	27
Marc Strange	City of Agawam, MA	30
John Sullivan	Boston Water and Sewer Commission	Tuesday Keynote
Shawn Syde	Town of New Bedford, MA	17
Sam Sylvetsky	Biowaste Pyrolysis Solutions	16
Edris Taher	Upper Blackstone Clean Water	13
Sean Tarbox	Woodard & Curran	23
Brian Tarbuck	Greater Augusta Utility District	28
Newton Tedder	EPA	18
John Tekula	Natural Systems Utilities	26
Amalia Terracciano	Stevens Institute of Technology	29
Cassandra Thompson	Environmental Partners	19
Kenneth Thompson	Jacobs	30
Andrew Thuman	HDR	8
Kevin Trainor	Woodard & Curran	24
Jack Troidl	Woodard & Curran	12
Scott Turner	Environmental Partners	15
Eamon Twohig	VT DEC	21
David Vaccari	Stevens Institute of Technology	29
Lauren Van Meter	HDR	24
David VanHoven	Stantec	2
Robert Varney	Normandeau Associates	Tuesday Keynote
Ken Wagner	Water Resource Services	18
Chelsea Waite	Woodard & Curran	30
Evan Walsh	City of Lowell, MA	23
Matthew Weisman	Town of Lexington, MA	24
Ellen Weitzler	EPA	5
Chris Welch	Town of Uxbridge, MA	23
Pamela Westgate	Kleinfelder	20
Michael Wilson	South Essex Sewerage District	16
Ryan Wingard	Wright-Pierce	2
Gregg Wood	ME DEP	7
Jennifer Wood	MassDEP	21
Tracy Wood	NH DES	7
Steve Woodard	ECT2	14
Suzanne Woodland	City of Portsmouth, NH	5
Fiona Worsfold	Brown and Caldwell	19
Ania Wright	Sierra Club	3
Gretchen Young	City of Dover, NH	5
Allison Zeoli	Arcadis	11
Carol Zuerndorfer	Brown and Caldwell	4

Exhibitors

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- Aclarity LLC** **Booth(s): 169**
Aclarity is a venture-backed water technology company headquartered in Hadley, Massachusetts. We offer proprietary and custom designed electrochemical water treatment systems that cost effectively destroy a wide breadth of contaminants in water including PFAS, cyanide, and VOCs saving customers time, money and liability.
Contact: Julie Mullen, 220 Russell St. Ste. 200 Hadley, MA 01035, Tel: 774-551-9213, julie.mullen@aclaritywater.com, <https://www.aclaritywater.com/>
-
- ADS L.L.C. (Silver 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: Peter Frick, 51 Wentworth Ave. Ste. 15 Londonderry, NH 03053, Tel: 203-725-4062, pfrick@idexcorp.com, <https://www.adsenv.com/>
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- Aegion - Insituform Technologies, LLC and Underground Solutions, Inc.** **Booth(s): 409**
Insituform provides cured in place pipe rehabilitation (CIPP) for both water and sewer applications, available for 6" to 124" diameter pipe with typical shot lengths of 200' to 1000'. Underground Solutions sells Fusible PVC® pipe for water, sewer & conduit applications, in sizes from 4' to 36' diameter pipe. We also sell Terrabrute®, which is a fully restrained bell & spigot PVC pressure pipe.
Contact: Pat Pierce, 17988 Edison Ave. Chesterfield, MS 63005, Tel: 413-519-4480, ppierce@aegion.com, www.aegion.com
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- Aerzen** **Booth(s): 452, 453, 460, 461,469**
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Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.
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- Alfa Laval** **Booth(s): 452, 453, 460, 461,469**
Leading worldwide manufacturer of thickening/dewatering equipment; centrifuges, belt filter presses and GBT's. OEM for iconic manufacturers Ashbrook Simon-Hartley, Penwalt-Sharples
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- Amphidrome®** **Booth(s): 401-406**
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Contact: Andrew McBrearty, FRMA, 273 Weymouth Street, Rockland MA 02370; Tel: 781-982-9300, andrewmcbrearty@frmahony.com
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- Amwell** **Booth(s): 452, 453, 460, 461,469**
Clarifiers, thickeners & bucket elevators
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.
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- Andritz Separation** **Booth(s): 424**
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Offers Aqua ElectrOzone® Ozone Generation Systems, partnered with Metawater, Co., Ltd. and Pinacle 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. See us in Booths 401-406. 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, Inc.

Aqualitec**Booth(s): 424**

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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, Flow and FOG (Fat, Oil, Grease) monitoring. Contact: Brian Gannon, 100 School St, Andover, MA 01810, Tel: 978-749-9949 x0707, bgannon@wateranalytics.net, www.wateranalytics.net

Asahi/America, Inc.**Booth(s): 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. 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, Tel: 781-321-5409, asahi@asahi-america.com, https://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, 354 West Boylston St. Ste. 114 West Boylston, MA 01583, Tel: 508-755-0440, moji@aftinc.com, www.AFTINC.COM

Autrol America - JWB Company Booth**Booth(s): 433**

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.

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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. See us in Booths 401 through 406.

Contact: Henry Albro, VOIP 781-982-9300, Ext. 222, Cell: 978-808-4986, henry@interlockingballast.com - Rep: F.R. Mahony & Associates

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

BAU/HOPKINS is a Multi-Man Manufacturer's Technical Representation serving the New England Marketplace. We specialize in Chemical Feed Products & Systems, Fluid Process Systems along with the instrumentation required to monitor these processes. BAU/HOPKINS has a close working relationship with the JWB company.

Contact: Alan Hopkins, ahopkins@bauhopkins.com or Bob Hopkins, bhopkins@bauhopkins.com; 310 South St., Plainville, MA 02760; Tel: 508-699-9300; www.bauhopkins.com; Represented by: BAU/Hopkins

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

Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlensystems.com, www.carlensystems.com

Biorem**Booth(s): 157**

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, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

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

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

Boerger**Booth(s): 156**

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

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Boyson and Associates, Inc.**Booth(s): 457-459**

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, Tel: 508-889-6371, brianjboyson@outlook.com, www.wastewaterequipmentboyson.com

Brenntag North America**Booth(s): 417**

Brenntag Water Treatment your Partner in Solutions for Water Treatment. 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, Tel: 484-507-9944, darlow@brenntag.com, www.brenntag.com

Brentwood**Booth(s): 158**

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.

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Brown and Caldwell (Gold Sponsor)**Booth(s): 434**

Contact: Colin O'Brien, 1 Tech Dr. Ste. 310 Andover, MA 01810, Tel: 978-906-1382, cobrien@brwncald.com,

C.N. Wood Co., Inc. Booth(s): 466, 467
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Carl Lueders & Company Booth(s): 485
Instrumentation and Controls
Contact: Mark Lueders, 258 Main St. Unit #7 Medfield, MA 02052, Tel: 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 Water-care; 167 - World Water Works; 167 - Flottweg Separation Technology
Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlensystems.com, www.carlensystems.com

Carus LLC Booth(s): 179
Manufacturer of Water and Wastewater treatment chemicals.
Contact: Luis Hernandez, 315 5th St. Peru, IL 61354, Tel: 800-435-6856, salesmkt@carusllc.com, www.carusllc.com

Casella Organics 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, Tel: 800-933-6474, Patrick.Ellis@casella.com, www.casellaorganics.com

Champlin Associates, Inc. Booth(s): 468
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.
Contact: Alec Distler, 6 Pinecrest Dr. Essex Junction, VT 05452, Tel: 802-879-7136, alec@champlinasociates.com, <https://www.champlinassociates.com/>

Charter Machine Booth(s): 157
Charter Machine Co makes Belt Filter Presses, Screw Presses, Rotary Drum Thickeners, Lime Blending, Polymer Systems, Conveyors, Gravity Belt Thickeners and more in the 100,000 sq ft plant in NJ.
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Claro Booth(s): 438
Claro provides headworks screens and washer-compactors, shaftless screw conveyors, septage receiving stations with complete billing systems, and complete digester systems.
Contact: Robert Mack, One DeAngelo Dr. Bedford, MA 01730, Tel: 781-275-1001, bob@ne3inc.com, www.ne3inc.com Represented by: NE3

Continental Blower Booth(s): 452, 453, 460, 461,469
Manufacturer of multi-stage and single-stage gear-driven blowers used in aeration applications.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

CONTINENTAL CARBON GROUP Booth(s): 455
Continental Carbon Group is a supplier of products and systems for air filtration and odor control. We have a wide range of proven technologies with a well-established installation base in municipal and industrial odor control applications.
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

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, Tel: 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, Tel: 262-542-8153, info@cretexseals.com, www.cretexseals.com

CSI Controls Booth(s): 498
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: Gregory Harmon, 220 Ohio St. Asland, OH 44805, Tel: 207-998-8100, greg.harmonco@gmail.com, <http://www.csicontrols.com>

CUES, Inc. (Silver Sponsor) Booth(s): 109
As the world's leading manufacturer of water, wastewater, and stormwater inspection equipment, CUES provides the necessary tools for both pipeline inspection and repair. For 60+ 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, Tel: 407-849-0190, rsheridan@cuesinc.com, www.cuesinc.com

DANFOSS DRIVES Booth(s): 455
Our Engineering Tomorrow mindset dates back to September 1, 1933, 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 Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

De Nora Water Technologies Inc Booth(s): 401-406
DeNora Water Technologies is a leader in disinfection and filtration technologies. See us in Booths 401 through 406.
Contact: Kris Sticinski, Americas Sales Director - Disinfection & Filtration plus Electrochlorination, Tel: 424-392-1107, kris.sticinski@denora.com - Rep F.R. Mahony & Associates

Delta Electro Power Inc. Booth(s): 214
Delta is an owner managed business serving the New England market since 1977. We treat our customers like family, caring for your needs and providing the level of service that we would want to receive ourselves. Beyond service and sales, Delta Electro Power provides sustainable, cost-reducing solutions that drive maximum efficiency. By offering properly sized pumps, motors, controls and power transmissions, as well as access to innovative experts, we help our customers every day.
Contact: Bob Greene, 215 Niantic Ave. Cranston, RI 02907, Tel: 508-838-8675, bobg@deltamotor.com, <https://deltamotor.com/>

Denali Water Solutions, LLC Booth(s): 494
Denali Water Solutions 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,

Denora / BAU Hopkins**Booth(s): 425**

Denora offers chlorination and dechlorination equipment, capital controls cylinder mounted chlorinators, wall or ton mounted chlorinators, cabinet mounted chlorinators, and automatic controls for chlorinators.

Contact: Alan Hopkins, ahopkins@bauhopkins.com or Bob Hopkins, bhopkins@bauhopkins.com; 310 South St., Plainville, MA 02760; Tel: 508-699-9300; www.bauhopkins.com; Represented by: BAU/Hopkins

DeRagger Controls**Booth(s): 102, 104**

Pump Intelligence, the smart way to end pump ragging, huge power and labor savings, We install and program for you

Contact: Gary MacDonald, 130 Utopia Rd. Unit 6, Manchester, CT 06045, Tel: 860-918-2541, gmacdonald@msipump.com, www.msipump.com Represented by: Mechanical Solutions, Inc.

DLVEWS, Inc.**Booth(s): 200**

DLVEWS, Inc. is a company highly focused on infrastructure maintenance and rehabilitation projects. We focus on servicing customers and their culvert and sanitary piping issues, manhole inflow and infiltration and inflow, and lightweight fill solutions for annular space and geotechnical applications. Contact: Don LeBlanc, P.E., 2841 Turner Rd. Auburn, ME 04210, Tel: 207-992-3080, don@dlvews.com, www.dlvews.com

DN Tanks**Booth(s): 478**

DN Tanks helps keep the world's most precious resource safe by designing and constructing pre-stressed 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.

Contact: Corey Meyers, 11 Teal Rd. Wakefield, MA 01880, Tel: 781-246-1133, corey.meyers@dntanks.com, www.dntanks.com

Duke's Root Control, Inc.**Booth(s): 491**

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, Duke's identified a need for root control and became trailblazers in the industry - perfecting chemical root control.

Contact: Lynn Heffron, 1020 Hiawatha Blvd., West Sheraton Syracuse University Hotel Syracuse, NY 13204, Tel: 315-472-4781, lynn@dukes.com, www.dukes.com

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

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

ECS**Booth(s): 153**

Odor Control Systems Specializing in: Carbon Adsorbers, Chemical Scrubbers, FRP Chemical Storage Tanks, Sound Enclosures, Covers and Buildings, AMCA Certified FRP damper & duct systems, & FM Approved, FireResist™ PVC duct systems.

Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

EJ**Booth(s): 181**

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.

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

Electroscan - JWB Company Booth**Booth(s): 432**

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.

Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

Englobe (Gold Sponsor)**Booth(s): 168**

Englobe is a large residuals management company based in Quebec, Canada. With 3x large composting facilities, several mine reclamation sites, and an impressive land application program, Englobe has positioned itself as the go-to residuals manager for generators in New England. From biosolids, ash, pulp&paper residuals, pellets, digestate etc....

Contact: Nic Leblanc, 855 Rue PÉpin, Sherbrooke, QC J1L 2E9, Tel: 819.588.3303, nicholas.leblanc@englobecorp.com, https://englobecorp.com/canada/en/services/solid-waste-management

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

ALL-TERRAIN SEWER™ low pressure systems from E/One are significantly more affordable than conventional gravity sewers, safer than septic systems, and they're a light touch on the land.

Contact: Christopher Nedwick, 2773 Balltown Rd., Niskayuna, NY 12309, Tel: 518-596-2186, eone@eone.com - Rep: F.R. Mahony & Associates

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.

Contact: Ben Smith, 53 Portside Dr. Pocasset, MA 02559, Tel: 603-361-0816, bsmith@microc.com, www.microc.com

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

Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 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.

Contact: Ed Quann, 273 Weymouth St. Rockland, MA 02370, Tel: 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.

Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

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

Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 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, Tel: 603-396-4519, p2casey@flowassessment.com,

FLOWPOINT SYSTEMS**Booth(s): 465**

Flowpoint is a privately owned manufacturer and distributor of intelligent bulk water dispensing stations and septage receiving stations integrated with our access terminal control and software systems.

Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

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

Market leader of solids-handling pumps and OEM for iconic manufacturers Worthington Pump, Ingersoll-Dresser Pump, Ingersoll-Rand Pumps, Dresser Pumps

Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

Ford Hall Booth(s): 166
Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlsensystems.com, www.carlsensystems.com

FOURNIER INDUSTRIES Booth(s): 465
Fournier Industries Group is, with its subsidiaries, a leader in services required for the smooth running and success of projects from design to start-up, through engineering, drawing, project management, manufacturing, painting and installation; covering both local and international customers from various fields of activity such as mining, bulk material handling, hydroelectricity, aluminum smelters and foundries, grain handling, sludge dewatering, soil decontamination, biomass boilers, pulp and paper, as well as the general industry.
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

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. See us in Booths 401 through 406.
Contact: Joe Macula, 60 Okner Parkway, Livingston NJ 07039, Tel: 973-533-6457, jmacula@franklin-miller.com - Rep: F.R. Mahony & Associates

GA Fleet - Fleet Pump & Service Booth(s): 148
Fleet offers the finest pumps, controls, process and service. We represent the most respected names including Flygt, Sanitaire, Westech, Kaeser in wastewater and water treatment and provide quality engineered systems for the entire municipal market.
Contact: Serdar Umur, 6 International Dr. Rye Brook, NY 10573, Tel: 914-548-6062, sumur@gafleet.com, https://www.gafleet.com/

Gallagher Fluid Seals Booth(s): 202
Gallagher Fluid Seals, Inc. is a global distributor and manufacturer of Fluid Sealing products. Gallagher represents the strongest seal manufacturers in the world, in addition to operating its own gasket fabrication facility. Gallagher serves both OEM & MRO customers through the development of technical solutions that solve sealing challenges. Though focused on many industries, Gallagher has a strong presence in water and wastewater treatment.
Contact: Michael Fischer, 500 Hertzog Blvd. PO BOX 61367 King of Prussia, PA 19406, Tel: 800-822-4063 ext 536, mfischer@gallagherseals.com, www.gallagherseals.com

GEA Westfalia Booth(s): 156
GEA Westfalia centrifuges for dewatering and thickening. Featuring multiple US service centers, on-site service from GEA certified technicians and extensive US spare parts inventory.
Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

Geotree Solutions Booth(s): 106
Rehabilitate manholes and pipes with GeoSpray and or GeoSpray HCE (highly corrosive environment) geopolymer mortar to create a new corrosion resistant structurally independent pipe. This is used by BWSC, MWRA, NBC, MDC and many others. Geopolymer is an excellent alternative to CIPP, slip lining and spiral pipe rehab and is a long lasting alternative for MH rehab rather than using cement and epoxy or calcium aluminate.
Contact: Scott Naiva, 707 Old Eagle School Rd. Wayne, PA 19087, Tel: 610-971-0362, SNAIVA@CS-NRI.COM, https://www.cs-nri.com/brands/geotree-solutions/

Glasco UV - BAU/Hopkins Booth(s): 422
Glasco UV offers ultraviolet disinfection equipment: low pressure high output and amalgam systems, horizontal and vertical open channel systems.
Contact: Alan Hopkins, ahopkins@bauhopkins.com or Bob Hopkins, bhopkins@bauhopkins.com; 310 South St., Plainville, MA 02760; Tel: 508-699-9300; www.bauhopkins.com; Represented by: BAU/Hopkins

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 60 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.
Contact: Ray Bahr, 768 South Main St. Unit 1 Bethel, VT 05032-4472, Tel: 860-986-1072, ray@green-mountainpipe.com, www.greenmountainpipe.com

Griffco - BAU/Hopkins Booth(s): 422
Griffco offers metering pump accessories such as back pressure valves, pressure relief valves, calibration columns, pulsation dampeners, diaphragm seals, pressure gauges, and Y strainers.
Contact: Alan Hopkins, ahopkins@bauhopkins.com or Bob Hopkins, bhopkins@bauhopkins.com; 310 South St., Plainville, MA 02760; Tel: 508-699-9300; www.bauhopkins.com; Represented by: BAU/Hopkins

Grundfos Booth(s): 452, 453, 460, 461,469
Premier pump company manufacturing submersible solids-handling pumps and OEM for iconic pump manufacturers; Morris, Chicago, Yeomans solids-handling pumps.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

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, Tel: 860-690-5236, gbleszin@hach.com,

Hach Flow Group - JWB Company Booth Booth(s): 431
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!
Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

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. 5th Fl. Boston, MA 02110, Tel: 617-574-4747, nellis@hazenandsawyer.com,

Hidrostral Pumps Booth(s): 452, 453, 460, 461,469
The original Screw-centrifugal Pump.
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High Tide Technologies Booth(s): 401-406
Cloud based SCADA supplier using Cellular, Satellite, and Ethernet Communications. Monitoring and control for Water, Wastewater, natural gas, and just about anything else you can imagine. See us in Booths 401 through 406.
Contact: David B. Mundie PhD, President, Tel: 615-256-6678, david.mundie@htt.io - Rep: F.R. Mahony & Associates

Hobas Pipe USA (Bronze Sponsor) Booth(s): 142
HOBAS Pipe USA manufacturers Fiberglass Reinforced Polymer Mortar Pipe, from 18- to 126- inches in diameter. With over 10 million feet installed across North America, engineers and contractors regularly select HOBAS pipe for all its performance features: lightweight, high strength, ease of installation and leak-free push together joints
Contact: John Mele, 1413 E Richey Rd. Houston, TX 77073, Tel: 908-313-1935, jmele@hobaspipes.com, www.hobaspipes.com

HOMA Pump Technology**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, Tel: 860-918-2541, gmacdonald@msipump.com, www.msipump.com Represented by: Mechanical Solutions, Inc.

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

Howden, Home of the Roots™ and Turblex® Family of Blowers along with the Spencer® Product Line, designs and manufactures high performance aeration technology products and systems for municipal and industrial Water Environment Treatment Applications.

Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themahercorp.com Represented by: The MAHER Corporation

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

Submersible non clog and grinder pump systems, self primer and chopper pumps

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

Industrial Flow Solutions located in New Haven, Connecticut, specializes in the design, manufacturing, sales, & service of wastewater pumps and controls including OverWatch™ direct in-line pump systems, BJM Pumps®, and Stancor® Pumps and Controls ideal for the ideal for industrial, commercial, & municipal applications, and Clearwater Controls and Deragger products.

Contact: James Huck, 104 John W Murphy Dr. New Haven, CT 06513, Tel: 860-631-3618, jhuck@flowsolutions.com, www.flowsolutions.com

Infiltrator Water Technologies**Booth(s): 149**

Infiltrator Water Technologies is a market leader within the onsite wastewater treatment industry, Infiltrator manufactures a variety of revolutionary products and innovative, environmentally friendly alternatives to traditional stone and pipe leachfield and concrete septic wastewater system components.

Contact: Donna Fiorentino, 4 Business Park Rd. Old Saybrook, CT 06475, Tel: 860-577-7030, dfiorentino@infiltratorwater.com, https://www.infiltratorwater.com/

Inframark**Booth(s): 201**

From water and wastewater operations to financial and community management and specialized support services, Inframark delivers best-in-class solutions designed to meet the needs of today's municipalities, municipal utility districts and industries.

Contact: Michael Cronin, 220 Gibraltar Rd, Ste. 200, Horsham, PA 19044, Tel: 413-654-8642, Michael.Cronin@Inframark.com, www.inframark.com

INOVAIR**Booth(s): 462**

Inovair designs and manufactures high efficiency, compact, integrally geared centrifugal blower packages and controls engineered for wastewater treatment.

Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

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

Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlens-systems.com, www.carlensystems.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.

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

JWB Company**Booth(s): 430-433**

JWB Company is a Manufacturer's 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.

Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

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

Manufacturer of the iconic Muffin Monster, Chain & Rake, Fine and Band Screens, Rotary Drum Thickeners, Channel Monsters and new/innovative Channel Monster Flex

Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

Kleinfelder (Silver Sponsor)**Booth(s): 213**

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 Equipment**Booth(s): 155**

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, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themahercorp.com Represented by: The MAHER Corporation

LandTech Consultants, Inc.**Booth(s): 110**

For over three decades, LandTech Consultants has provided civil engineering, land surveying, laser scanning, and modeling services to the AEC community. Our commitment to innovation and technology keeps us at the forefront of advanced design and cost-saving construction methods.

Contact: Christopher Lorrain, 515 Groton Rd. Westford, MA 01886, Tel: 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. See us in Booths 401 through 406.

Contact: Alex Lequio, 8883 West Monroe, Houston, TX 77061, Tel: 832-532-3112, cell:832-982-8818, alequio@lonestarblower.com - Rep: F.R. Mahony & Associates

M.A. SELMON COMPANY**Booth(s): 450**

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

Contact: Brad Selmon, 4 Oxford Rd., Ste. D9, MILFORD, CT 06460, Tel: 203-377-3525, BRAD@MASEL-MON.COM, www.maselmon.com

Madewell Products**Booth(s): 140**

Madewell manufactures corrosion-resistant protective coatings, cementitious restoration products, and specialty application equipment. Structural Restoration and Corrosion Protection—exactly what the Mainstay Composite Liner provides underground infrastructure owners from Madewell Products Corp. In the wastewater collection system and treatment facilities, asset revitalization includes manholes, lifting stations, digester and holding tanks.

Contact: Cole Closser, 7561 Industrial Ct. Alpharetta, GA 30004, Tel: 765-620-7336, cole@madewell.net, https://www.madewell.net/

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: Joe Witts, 67 Green St. Ste. A Foxboro, MA 02035, Tel: 508-203-2400, joew@maltzsales.com, www.maltzsales.com

Mass Tank Inspection & Services**Booth(s): 208**

Mass Tank Inspection & Services is at the forefront of developing and implementing top tier tank and pipe inspection methods. We are a Service Disabled Veteran Owned Small Business focused on providing our clients with the best possible service and experience when getting their tanks inspected or cleaned. Apart from inspection, we have the capabilities to refurbish or decommission tanks when necessary.

Contact: Sam Horstmann, 29 Abbey Lane, Middleboro, MA 02346, Tel: 508-335-2294, sam@masstank.com, www.masstank.com

Mastrrr Company**Booth(s): 102, 104**

Chemical Induction Mixers to improve efficiency and saves wastewater plants on chlorine usage, submersible for use on rail systems, complete with controls.

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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..

Contact: Gary MacDonald, 130 Utopia Rd. Unit 6, Manchester, CT 06045, Tel: 860-918-2541, gmcdonald@msipump.com, www.msipump.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. See us in Booths 401 through 406. Contact: Matthew Dickson, PO Box 654, Boylston, MA 01505, Tel: 508-869-2164, Matt.Dickson@MGDProcess.com - Rep: F.R. Mahony & Associates

Motor Protection Electronics/MPE - JWB Company Booth**Booth(s): 432**

Motor Protection Electronics, Inc. manufacturers 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.

Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

MWH (Gold Sponsor)**Booth(s): 444**

MWH is a leading global project delivery company with a focus on water. MWH provides single-source, integrated construction services and a full range of project delivery methods with the goal of delivering maximum value to clients and their local communities.

Contact: Anthony Accardi, 10 New England Business Center Dr. Ste. 325 Andover, MA 01810, Tel: 508.963.9256, anthony.accardi@mwhconstructors.com, www.mwhconstructors.com

National Pump A Gorman Rupp Co**Booth(s): 102, 104**

Vertical Turbine Pumps; Great deliveries; NSF61 AWWA approved

Contact: Gary MacDonald, 130 Utopia Rd. Unit 6, Manchester, CT 06045, Tel: 860-918-2541, gmcdonald@msipump.com, www.msipump.com Represented by: Mechanical Solutions, Inc.

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

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

New England Environmental Equipment, Inc.**Booth(s): 438, 439, 446, 447**

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.

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

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

Home of Environmental Dynamics, International (EDI) fine and coarse bubble aeration, BluePro nutrient reduction filter, BioPorts IFAS and MBBR systems as well as optAer Lagoon aeration and Sagr cold-water post-lagoon nitrification.

Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

Nivelco, USA - JWB Company Booth**Booth(s): 433**

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!

Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net; ; Represented by: JWB Company

NORESKO**Booth(s): 484**

NORESKO is an energy solutions and infrastructure renewal company offering turnkey project engineering, development & construction services. A subsidiary of the Carrier Corporation, NORESKO offers long-term performance assurance and financial guarantees with all of their projects, most of which are funded largely by operational savings and/or revenue enhancement.

Contact: John DiModica, 1 Research Dr. Ste. 400C WESTBOROUGH, MA 01581, Tel: 617-945-3699, jdmodica@noresko.com, www.noresko.com

Oakson**Booth(s): 483**

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.

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

Optifloat/Cox Research - JWB Company Booth**Booth(s): 432**

The Opti-Float® level detector is a revolutionary innovation in float switches. It's 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 Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

OR-TEC, INC.**Booth(s): 401-406**

OR-TEC is a customer-oriented company that designs, manufactures and markets high quality sludge dewatering, chemical dosing, flotation, screening and conveying equipment. See us in Booths 401 through 406.

Contact: Tyler Richard, Sales and Development, 5445 Dunham Rd., Cleveland, OH 44137, Tel: 216-475-5225 x11, c: 216-213-7687, tyler@or-tec.com - Rep: F.R. Mahony & Associates

Orenco Systems**Booth(s): 172**

Since 1981, Orenco Systems, Inc. has researched, designed, and manufactured innovative onsite and decentralized wastewater collection and treatment technologies. Our solutions include community collection systems, advanced secondary treatment systems, watertight fiberglass tanks, and in-tank pumping and filtration systems.

Contact: Jim Healy, 814 Airway Ave. Sutherlin, OR 97479, Tel: 541-459-4449, jhealy@orencosystems.com, https://www.orencosystems.com

Patterson Pump - Gorman Rupp Co**Booth(s): 102, 104**

Water and Wastewater large and very efficient pumping systems

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PipeLogix Booth(s): 162
PipeLogix offers specialized pipeline inspection software for the collection of CCTV surveys and report generation. Our software and its modules make the collection of mainline, lateral and manhole survey data easy. Once collected, survey data can be used to create actionable reports or even exported to other programs such as ArcGIS and CityWorks.
Contact: Jeremy Wagner, 36945 Cook St. Ste. 102 Palm Desert, CA 92211, Tel: 866-299-3150, Jeremy.Wagner@pipelogix.com, http://www.pipelogix.com/

Precision Trenchless Booth(s): 415
Precision Trenchless is the No-Dig Alternative to pipe and manhole repair. Utilizing the OBIC Polyurea manhole lining system, we can eliminate I & I from infiltrating your sewer system which not only saves you costly future repairs, but MONEY at the treatment plant. This comes with a 10 Year Warranty with the application date stamped right inside the manhole.
Contact: Mike Ralbovsky, 1710 Erie Blvd. Schenectady, NY 12308, Tel: 518-429-1164, MikeR@PIM-Inc.com,

PREMIER TECH AQUA Booth(s): 456
Premier Tech Aqua (PTA) has become an international leader in the field of onsite and decentralized wastewater treatment technologies for the residential, commercial, community and industrial sectors. With over 100,000 installations, each coupled with a rigorous inspection, maintenance and documented follow-up program performed by a large network of partners, PTA is undoubtedly one of the leaders of its industry.
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

Pribusin - JWB Company Booth Booth(s): 431
Pribusin 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.
Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

Primex Controls Booth(s): 499
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, Tel: 207-998-8100, greg.harmonco@gmail.com, http://www.primexcontrols.com

PULSCO Booth(s): 456
PULSCO product's reputation for performance, reliability and innovation is exceeded only by our engineering capabilities and experience. PULSCO's mission is to build on our history of product excellence and technology innovation to provide the highest quality engineered products and systems to protect our customers assets from premature degradation and or failure due to pressure variations causing pulsations and noise.
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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, Tel: 603 934 7100, jbenham@pumpssystem-sinc.com, www.PumpSystemsInc.com

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

PVP Booth(s): 438
Penn Valley Pump Company, Inc. Since 1980 the Double Disk positive displacement pump has been a leader for municipal and industrial sludge, scum and septage.
Contact: Robert Mack, One DeAngelo Dr. Bedford, MA 01730, Tel: 781-275-1001, bob@ne3inc.com, www.ne3inc.com Represented by: NE3

PW TECH Booth(s): 454
VOLUTE SLUDGE SCREW PRESS
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

RACO Manufacturing and Engineering - JWB Company Booth Booth(s): 431
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.
Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net

Raedlinger Primus Line, Inc. Booth(s): 170
Primus Line is a manufacturer of a trenchless technology utilized for the rehabilitation of aging pressure pipes including water, waste water, gas & oil. Headquartered in Cham, Germany, our engineers & technicians work continuously to unlock new applications for the three-layered liner.
Contact: Regina Costa, 112 South Tyron St. Ste. 1130 Charlotte, NC 28284, Tel: 602-517-8007, regina.costa@primusline.com, www.primusline.com

Redzone Booth(s): 447
Redzone's robots are multi-sensor autonomous robots providing 180 degree visual inspection, laser pipe profiling for wear and material build-up, sonar for submerged debris build-up.
Contact: Robert Mack, One DeAngelo Dr. Bedford, MA 01730, Tel: 781-275-1001, bob@ne3inc.com, www.ne3inc.com Represented by: NE3

REXA Booth(s): 452, 453, 460, 461,469
Manufacturer of electrovalve; self-contained hydraulic/electronic valve and gate actuator. Precise/finer control of butterfly valves for aeration/DO control.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

Righter Group, Inc. Booth(s): 191
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, Tel: 800-533-3003, administration@rightergroup.com, https://rightergroup.com/

Rockwell Automation Booth(s): 195
Rockwell Automation, Inc. provides industrial automation and digital transformation solutions in the United States and internationally. The company operates in three segments, Intelligent Devices, Software & Control, and Lifecycle Services. Its solutions include hardware and software products, and services.
Contact: Landon Kendricks, 100 Nickerson Rd. Marlborough, MA 01752, Tel: 978-243-7425, Imken-dri@ra.rockwell.com, www.rockwellautomation.com

Russell Resources, Inc. Booth(s): 454-456, 462-465
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 Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com

RV-Tideflex Booth(s): 439
Since 1953, Red Valve – Tideflex has manufacturer Pinch Valves and Tideflex Check valves. The Tideflex Aeration system is an efficient clog-free course bubble system
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Saf-T-Flo/ BAU Hopkins 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.
Contact: Alan Hopkins, ahopkins@bauhopkins.com or Bob Hopkins, bhopkins@bauhopkins.com; 310 South St., Plainville, MA 02760; Tel: 508-699-9300; www.bauhopkins.com; Represented by: BAU/ Hopkins

Savy & Sons Booth(s): 414
Full-service waterproofing & infrastructure restoration contractor specializing in Water & Wastewater Rehabilitation, Epoxy Coatings & Linings, Infrastructure Restoration, Pipe Lining Services, and Media Blasting. We offer no dig pipe repairs! Call us to schedule a CCTV Camera Inspection today!
Contact: Alex Czerwinski, 612 Church St. Amston, CT 06231, Tel: 860-682-7500, alex@savyandsons.com, www.savyandsons.com

Scavin Equipment Company LLC Booth(s): 137
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, 101 Roosevelt St. New Britain, CT 06051-4119, Tel: 860-944-8340, jgotchis@scavinequip.com, www.scavinequipment.com

Schwing Bioset, Inc. Booth(s): 189
Schwing Bioset, Inc. is your complete solids handling provider, helping water and wastewater treatment plants by engineering and manufacturing solids handling solutions. Schwing Bioset offers the widest range of high-performance dewatering screw presses, treatment for Class A Biosolids, nutrient recovery and struvite harvesting, membrane bioreactors, sliding frame silos, fluid bed dryers, piston pumps, and conveyors, among other products.
Contact: Abis Zaidi, 350 SMC Dr. Somerset, WI 54025, Tel: 715-243-9723, azaidi@schwingbioset.com, https://www.schwingbioset.com/

SEACOAST SUPPLY INC Booth(s): 408
AES MECHANICAL SEALS, ROYAL PURPLE LUBRICANTS, TEADIT GASKETS, HOSE MASTER HOSE, INSTRUMENTATION, PUMP REPAIR
Contact: Greg Campo, 33 Webb St. CRANSTON, RI 02920, Tel: 401-781-0379, gcampo@seacoastsupplyinc.com, www.seacoastsupplyinc.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, Tel: 763-478-2057, paulw@ssisealingsystems.com, www.ssisealingsystems.com

Seepex Booth(s): 452, 453, 460, 461,469
Leading progressive cavity pump manufacturer. Home of the innovative Smart Conveyance Technology (SCT), split stator design.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

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

SMITH AND LOVELESS INC Booth(s): 463
Smith & Loveless manufactures a broad line of premier wastewater treatment and component process equipment, including screens, grit removal systems, factory-built and field-erected treatment systems, membrane bioreactors, fixed-film systems, extended aeration systems, filtration systems, classifier, separators, aeration systems, and sludge reducing technologies.
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

SNF Polydyne Booth(s): 407
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: Tim Terry, 1 Chemical Plant Rd, Riceboro, GA 31323, Tel: 912-884-3366, tterry@polydyneinc.com, www.us.snf.com

SODIMATE Booth(s): 464
For over 30 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. With over 5000 successful installations throughout our worldwide subsidiaries and representative networks, we have enhanced numerous applications and industries:
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd. Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

SPX Flow, Inc - Mixers 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: Toren Hall, 1221 East Main St, Palmyra, PA 17078, Tel: 717-440-5010, toren.hall@spxflow.com - Rep: F.R. Mahony & Associates

StormTrap Booth(s): 418
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.
Contact: Josh Coroa, 1287 Windham Parkway - Romeoville, IL 60446, Tel: 401-429-3491, jcoroa@stormtrap.com, www.stormtrap.com

Suez Treatment Equipment Booth(s): 452, 453, 460, 461,469
Manufacturer of Biofor biological aeration filter for nitrification/denitrification, Climber Screen, IFAS/ MBBR systems, Sludge Drying and management.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

Suez/Ozonix Booth(s): 452, 453, 460, 461,469
The market leader for ultraviolet disinfection and ozone.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

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

Synagro Northeast, LLC (Silver Sponsor) Booth(s): 435
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.
Contact: Pat Rimkoski, 435 Williams Court Ste. 100 Baltimore, MD 21220, Tel: 860-483-0160, primkoski@synagro.com, www.synagro.com

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

Teledyne ISCO**Booth(s): 446**

Teledyne ISCO is a leading manufacturer/supplier of wastewater samplers and flow meters. The LASER flow sensor is a non-contact sensor retrievable from street level.
Contact: Robert Mack, One DeAngelo Dr. Bedford, MA 01730, Tel: 781-275-1001, bob@ne3inc.com, www.ne3inc.com Represented by: NE3

**The Hayes Group - Hayes Pump, Inc. - (Gold Sponsor)
Walker Wellington - Atlantic Pump & Engineering****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.
Contact: Craig Huff, 66 Old Powder Mill Rd. West Concord, MA 01742, Tel: 978-369-8800, chuff@hayespump.com, www.hayespump.com

The MAHER Corporation (Gold Sponsor)**Booth(s): 152-158**

Please stop by our booth and visit with our staff and manufacturers!
Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com

Thermal Process Systems**Booth(s): 166**

Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlsens-systems.com, www.carlsensystems.com

TOMORROW WATER**Booth(s): 462**

Tomorrow Water is an Anaheim, CA-based company featuring its PROTEUS Technology. PROTEUS is a high-rate media filtration system that can simultaneously perform physical filtration and biological treatment in a single reactor. The secondary treatment system is an up-flow biological aerated filter (BAF) that uses expanded polypropylene as a floating fixed-film media.
Contact: Jim Gerrish-Singh, PO BOX 3276 56 Stevens Rd Brewer, ME 04412-2276, Tel: 207-989-0591, jrussell@r-r-inc.com, www.r-r-inc.com Represented by: Russell Resources, Inc.

Toshiba Magnetic Flowmeters - JWB Company Booth**Booth(s): 433**

Toshiba offers electromagnetic flowmeters and microwave density (consistency) analyzers. All Toshiba electromagnetic flow meters are backed by a 10-year warranty.
Contact: James Birkenberger, JWB Company, 65 August Ave., Wolcott, CT; Tel: 203-879-6959, jamie@jwbcompany.net, www.jwbcompany.net; Represented by: JWB Company

Trojan Technologies**Booth(s): 152-158**

TrojanUV designs and manufactures UV disinfection systems for municipal wastewater and drinking water. We are the largest UV water treatment company in the world. Our products and services play vital roles in making the various stages of the water treatment process more effective, efficient, and sustainable.
Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

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 40 Plain St. N. Attleboro, MA (physical address) Plainville, MA 02762, Tel: 508-316-0979, Lloyd@truaxcorporation.com, www.truaxcorporation.com

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: Alan Hopkins, ahopkins@bauhopkins.com or Bob Hopkins, bhopkins@bauhopkins.com; 310 South St., Plainville, MA 02760; Tel: 508-699-9300; www.bauhopkins.com; Represented by: BAU/Hopkins

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, Tel: 203-678-0590, SRiccitelli@unitedconcrete.com, http://www.unitedconcrete.com/

United Rentals Fluid Solutions**Booth(s): 497**

We specialize in providing standard and custom rentals for any industrial or commercial fluids application. United Rentals is North America's largest pump, tank, and filtration equipment rental supplier, with experts to help you with complete fluid transfer, treatment, and containment solutions.
Contact: Kelly Bailey, 102 Old Worcester Rd. Oxford, MA 01540, kbilly4@ur.com, www.unitedrentals.com/fluid

US Ecology**Booth(s): 183**

For 70 years, US Ecology has been a leading provider of environmental services. We offer field and industrial services which complement our treatment, disposal and recycling of hazardous, non-hazardous and radioactive waste. We provide renowned 24/7 emergency response and standby services.
Contact: Jim Belcastro, 185 Industrial Blvd. Wrentham, MA 02093, Tel: 508-965-4820, jim.belcastro@usecology.com, www.usecology.com

Vapex**Booth(s): 152-158**

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, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

Veolia Water Technologies, dba Kruger**Booth(s): 401-406**

Kruger, Veolia's US Municipal Solutions, offers innovative, efficient & compact solutions including clarification, separation, softening, biosolids, biological & PFAS solutions with low installation costs and rapid startup, optimizing energy and savings. See us in Booths 401 through 406.
Contact: Tabitha Atkinson, 4001 Weston Pkwy, Cary, NC 27513, Tel: 919-677-8310, usmunicipal@veolia.com - Rep: F.R. Mahony & Associates

Victaulic**Booth(s): 198**

Victaulic is the leading producer of mechanical pipe joining solutions. We build technologies and provide engineering services that address the most complex piping challenges faced by engineers, site owners, contractors, and distributors. Engineered with confidence, our solutions put people to work faster, while increasing safety, ensuring reliability and maximizing efficiency.
Contact: Marc Shaffer, 4901 Kesslersville Rd. Easton, PA 18040, Tel: 781-254-4192, marc.shaffer@victaulic.com, www.victaulic.com

Vortex Companies**Booth(s): 105**

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, it's our job to think big because there is no single, or simple, solution to solving aging and failing infrastructure.
Contact: Shawn Ready, 521 Federal Rd. Livermore, ME 04253, Tel: 207-897-3348, shawn.ready@vortexcompanies.com, https://www.vortexcompanies.com/

Waco Products**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, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

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. Contact: Jeff Thomas, 840 N. Russell Ave., Aurora, IL 60506, Tel: 630-264-5213, jthomas@walker-process.com, Rep: F.R. Mahony & Associates, Inc.

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

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 pumping as well as other difficult applications utilizing Watson-Marlow case drive and QDos tubing pumps; Apex and Bredel hose pumps.
Contact: Peter Kibble, 192 Pleasant St. Rockland, MA 02370, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

Wescor Associates, Inc. Booth(s): 410-413 & 473-474 & 481-482 & 489-490
Manufacturer's Representative in New England representing 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 St., Wrentham, MA 02093; Tel: 508-384-8921, BillJr@Wescor1.net, www.WescorAssociatesInc.com

WesTech Engineering Booth(s): 175
Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlens-systems.com, www.carlensystems.com

Williamson Electrical Co., Inc. Booth(s): 184-187
Contact: Liz Ouellette, 334B Calef Highway, Epping, NH 03042, Tel: 617-884-9200, lizo@weco-group.com, www.weco-group.com

Wilo Booth(s): 452, 453, 460, 461,469
Manufacturer of high quality submersible solids handling pumps and mixers.
Contact: Jim Deluca, 154 West Grove St. Unit D Middleboro, MA 02346, Tel: 508-947-5777, jdeluca@aquasolutionsinc.net, www.aquasolutionsinc.net Represented by: Aqua Solutions, Inc.

World Water Works Booth(s): 167
Contact: Brian Olsen, 176 Amity Rd. #102 Woodbridge, CT 06525, Tel: 603-714-9808, bolsen@carlens-systems.com, www.carlensystems.com

Xylem Dewatering Solutions Inc. Booth(s): 147
Xylem Dewatering Solutions Inc. maintains a fleet of 6,000 portable pumps and 3,200 pieces of related equipment for use in construction dewatering, mining, and wastewater bypasses. Lines include Godwin Dri-Prime® pumps, Heidra hydraulic submersible pumps, Flygt electric submersible pumps for construction and mine dewatering.
Contact: Tom Malone, 99 Stockhouse Rd. Bozrah, CT 06334-1121, Tel: 860-889-2343, tom.malone@xylem.com, https://dewatering.xylem.com/Pages/home.aspx

Xylem Water Solutions Inc. - Flygt Products Booth(s): 146
Flygt Pumps and Mixers
Contact: Spencer Mack, 99 Stockhouse Rd. Bozrah, CT 06334, Tel: 919-612-6653, spencer.mack@xylem.com, https://www.xylem.com/en-us/brands/flygt/

Xylem/Sanitaire Booth(s): 154
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, Tel: 781-421-2600, pkibble@themaher-corp.com, www.themaher-corp.com Represented by: The MAHER Corporation

YSI Booth(s): 447
YSI process monitoring system provides continuous feedback, is SCADA compatible, Sensors include: DO, pH, ORP, Phosphorus, Nitrate, Ammonium, TSS, Turbidity and many more.
Contact: Robert Mack, One DeAngelo Dr. Bedford, MA 01730, Tel: 781-275-1001, bob@ne3inc.com, www.ne3inc.com Represented by: NE3



Exhibitor Category Directory



Air Quality, Odor Control

Boyson and Associates, Inc. / 457-459	Gallagher Fluid Seals / 202 Maltz Sales Company / 160	Technology Sales / 426-429, 501-504
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F.R. Mahony & Associates / 401-406		



Biosolids/Sludge

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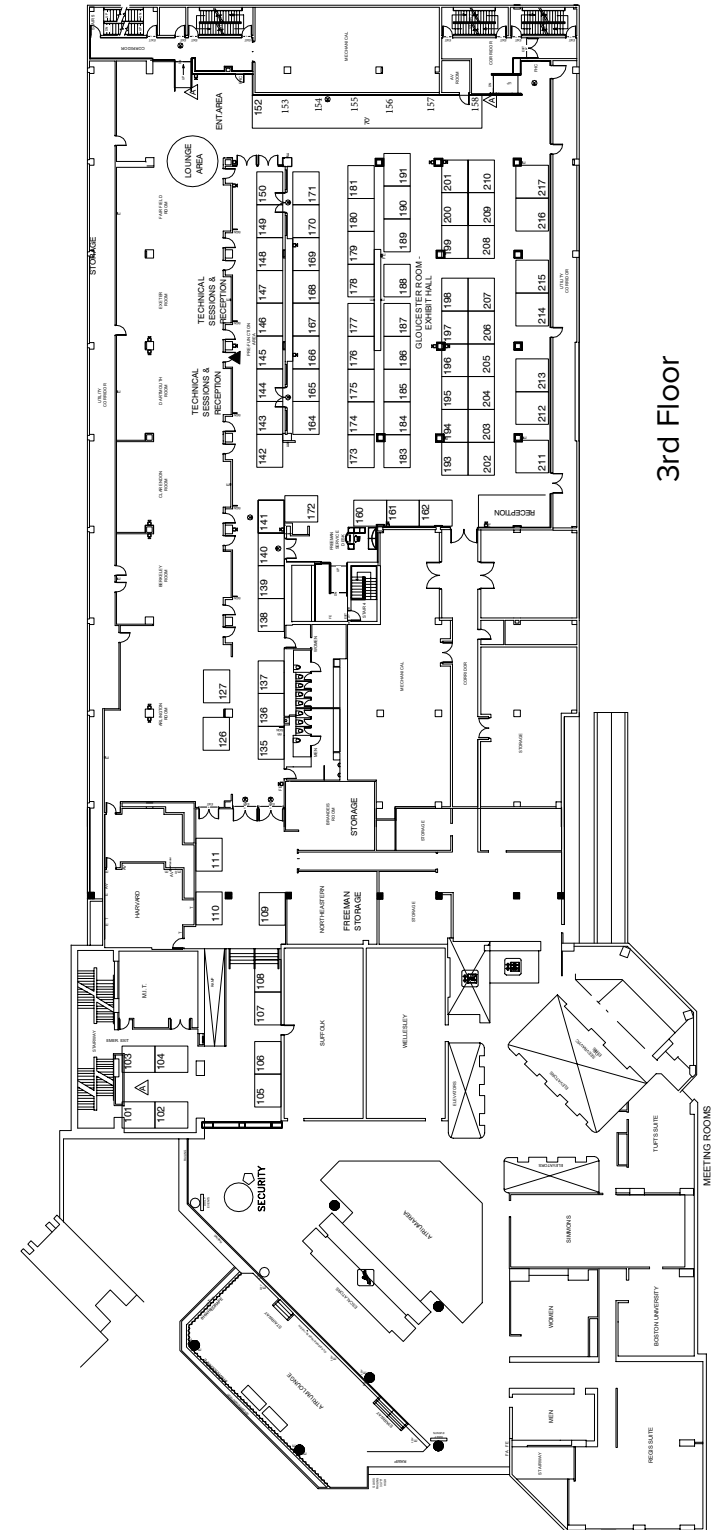
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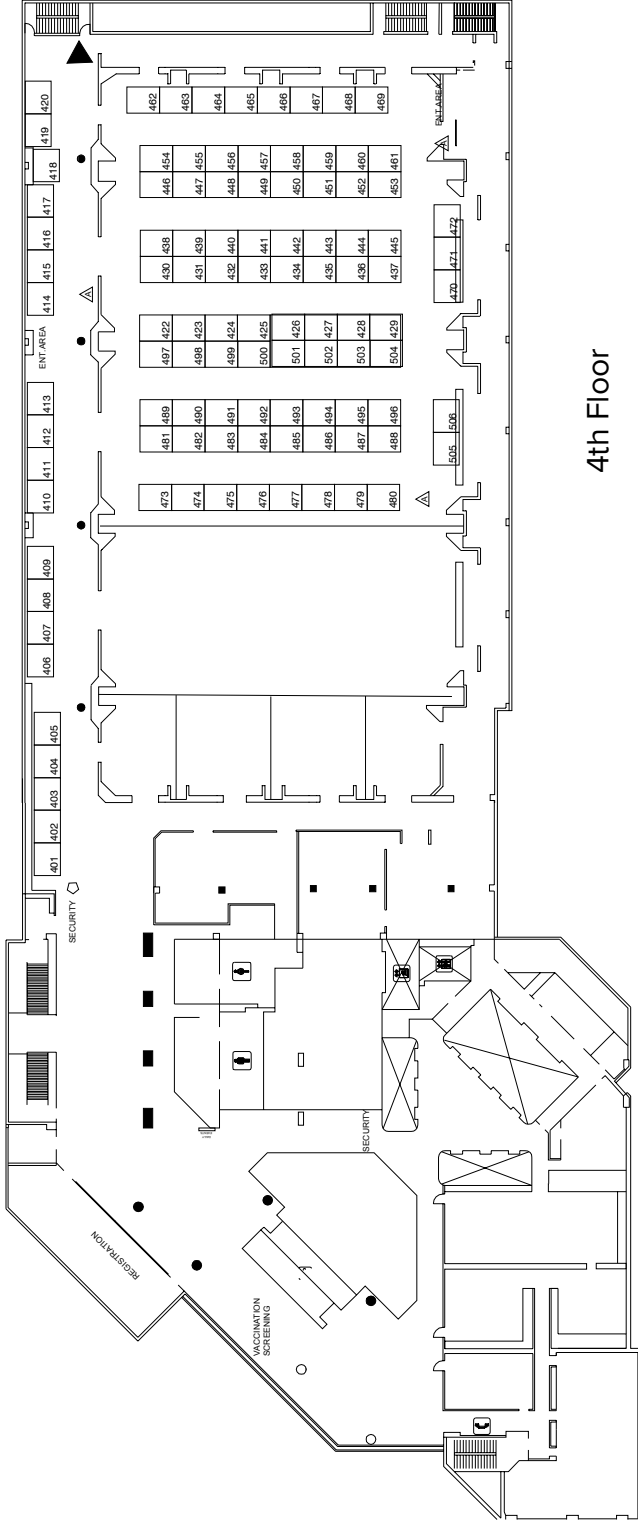
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Marriott Copley Place Hotel—NEWEA Conference Floor Plans



3rd Floor

Marriott Copley Place Hotel—NEWEA Conference Floor Plans



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EXHIBITION HOURS

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Tuesday: 8:00 AM – 6:30 PM

Wednesday: 8:00 AM – 1:00 PM

CONFERENCE PLANNERS

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Amy Anderson George

Conference Arrangements

Committee Chair

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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.

In order to receive credit for any technical session, keynote, or exhibit hall, you must scan your badge when entering and exiting.

VT and CT: 2.0 per session and 1.0 per keynote. MA, NH, and RI: 2.0 per session, 1.0 per keynote, and 1.0 per day in Exhibit Hall. ME: 2.0 per session (Please note: Sessions 4, 8, 9, 17, 18, 24 **NOT** approved) and 1.0 per keynote

Meeting Room and Exhibit Locations

3rd Floor

Exhibits

Exhibit Booths #101–217

Back Bay Exhibit Hall

Back Bay Foyer Area

Meeting/Session Rooms

Arlington*

Berkeley*

Boston University

Brandeis

Clarendon*

Dartmouth*

Exeter*

Fairfield*

Harvard

Northeastern

Regis

Simmons

Suffolk

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Meeting/Session Rooms

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Nantucket

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Provincetown

Vineyard

Yarmouth

Falmouth

Yard House Restaurant
is located on 2nd level

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

NEWEA 2022 Annual Conference & Exhibit January 23-26

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