



NEWEA
WORKING FOR WATER QUALITY

CONFERENCE PROGRAM

WE'RE WORKING FOR WATER QUALITY. WH₂O'S WITH US?

New England Water Environment Association Presents:

NEWEA 2018 Annual Conference & Exhibit

January 21 – 24 | Boston Marriott Copley Place | Boston, MA



Jim Barsanti
NEWEA President



Amy Anderson
NEWEA Program
Committee Chair

Welcome to the 2018 NEWEA Annual Conference! We are fortunate to be working together in this great water infrastructure industry. Whether you are a utility manager, engineer, operator, product representative, regulator, or administrator, YOU play an important, vital, and relevant role protecting our New England water resources. This year's theme, WH2O's WITH US, focuses on outreach to students, young professionals, and veterans to become water quality professionals. Our water profession is rich with opportunities with anyone willing to accept the call to join us.

This premier water quality event and exhibit features 31 technical sessions, two poster sessions that showcase both student and water quality professional works, and two floors of exhibitors featuring the industry's latest products. In keeping with the theme of the growth and development of students and young professionals, we encourage you to use this conference to reach out to all students and young professionals by participating in the 2nd Annual Young Professionals Summit on Sunday afternoon, attending the Young Professional Technical Session on Monday, participating in the Workforce Development Session, or student poster competition on Tuesday.

Monday morning features our keynote speaker, Juliette Kayyem, National Security Analyst for CNN who will highlight infrastructure security and resilience in our ever changing industry. On Monday afternoon, we encourage you to visit the professional poster board session on the 4th floor on your way to and from the exhibit hall, attend any number of our technical sessions, or attend the Innovation Pavilion hosted by the NEWEA Innovation Task Force. The afternoon winds down with the first of two Exhibit Hall receptions.

Tuesday features the well-known NEWEA Operator Day, including a full program of technical sessions geared towards operators, the Operator Ingenuity technical session on Tuesday morning, the Operator's Reception at noon and countless networking opportunities at the Exhibit Hall Reception in the afternoon.

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 2018 NEWEA President, Janine Burke-Wells of the Warwick Sewer Authority. The Awards Luncheon sells out annually, so don't miss out! We hope you take advantage of all the 2018 Annual Conference has to offer and to use this occasion to catch up with old acquaintances and to cultivate new ones.

Our six state New England region's rivers, ponds, lakes, and ocean beaches provide us with recreational destinations and activities that are second to none. We are blessed with the advantages of these resources because of the work we all do every day to protect and keep them clean, fresh, and vibrant. We thank each of you for your dedication, devotion, and commitment to our New England water resources.

We wish to recognize the significant efforts of the Meeting Management Council and Awards Committee. And finally, we gratefully acknowledge the NEWEA Office Staff: Mary Barry, Janice Moran, and Linda Austin for their energy, professionalism, and patience planning and coordinating this great event!

Jim Barsanti, NEWEA President
Amy Anderson, NEWEA Program Committee Chair

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New England Water Environment
Association Presents:
**We're Working for Water
Quality. WH₂O's With Us?**

NEWEA 2018 Annual Conference & Exhibit

January 21–24
Boston Marriott Copley Place, Boston, MA

Conference Events

Sunday, January 21

Registration (4th Floor).....	Noon–4:00 PM
Exhibit Hall Set-Up	Noon–6:00 PM
New Committee Chair Orientation	10:00–11:00 AM
Young Professionals Summit	10:00 AM–3:00 PM
Executive Committee Meeting	Noon–3:00 PM

Monday, January 22

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Breakfast	7:30–8:30 AM
Coffee and Continental Breakfast (3rd Floor Atrium)	7:30–9:00 AM
NEWEA Annual Business Meeting	8:00–8:30 AM
Welcome and Opening Remarks: James Barsanti, NEWEA President/City of Framingham, MA Presentation and vote on 2018 Slate of NEWEA Officers. <i>See description on page 24</i>	
Technical Sessions 1–5	8:30–10:30 AM
See descriptions beginning on page 6	
Exhibit Hall Grand Opening	10:30 AM
Paul P. Casey, Exhibits Committee Chair; James Barsanti, NEWEA President Grand Opening will take place at the main entrances of both the 3rd and 4th floor exhibit areas.	
Exhibits (3rd and 4th Floor Exhibit Areas).....	10:30 AM–6:30 PM
Please note that the 3rd and 4th floor exhibit areas are connected by a stairwell in the back of exhibit hall. See page 33 for list of exhibitors (as of 11/08/17).	

Monday, January 22 continued

Opening Session	11:00 AM
Professional Poster Board Displays/Session (4th Floor).....	8:30 AM–4:30 PM
Coordinator: Lauren Hertel, Stantec	
Session with authors	1:30–3:30 PM
Select Society of Sanitary Sludge Shovelers' Lunch	Noon–2:00 PM
by invitation – Charles Tyler, Influent Integrator	
Young Professionals Lounge	7:30–9:00 AM
The YP Committee will be hosting a Young Professionals Lounge Ben Stoddard, Kleinfelder	
Technical Sessions 6–11	2:00–4:30 PM
See descriptions beginning on page 9	
Exhibit Hall Break	3:00–3:30 PM
Exhibit Hall Reception (3rd Floor Exhibit Area)	4:30–6:30 PM

Tuesday, January 23

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Breakfast	7:30–8:30 AM
Guest Program – see description on page 26	7:30 AM–4:00 PM
NEWEA Presidents' Breakfast	8:00–9:00 AM
by invitation	
Exhibits	8:00 AM–6:00 PM
3rd and 4th Floor Exhibit Areas	
Technical Sessions 12–16	9:00–11:30 AM
See descriptions beginning on page 12	
College Student Poster Board Competition	9:00 AM–3:30 PM
Coordinator: Thomas Groves, NEIWPCC	
Session with authors	12:30–2:00 PM
Exhibit Hall Break	10:00–10:30 AM
Operator's Reception	Noon–1:30 PM
Sponsored by: Connecticut Water Pollution Abatement Association Connecticut Water Pollution Control Association Green Mountain Water Environment Association Maine Water Environment Association Massachusetts Water Pollution Control Association Narragansett Water Pollution Control Association New Hampshire Water Pollution Control Association	
Technical Sessions 17–22	1:30–4:00 PM
See descriptions beginning on page 15	
Student Networking Reception	2:30–4:00 PM
Exhibit Hall Break	2:30–3:00 PM

Exhibit Hall Reception (4th Floor Exhibit Area) 4:00–6:00 PM

Wednesday, January 24

Registration – 4th Floor 7:30 AM–2:00 PM

Speakers' Breakfast 7:30–8:30 AM

Exhibits 8:00 AM–1:00 PM
3rd and 4th Floor Exhibit Areas

Technical Sessions 23–27 8:30–11:00 AM
See descriptions beginning on page 18

Exhibit Hall Break 9:30–10:00 AM

Mr & Mrs Fish Presentation: 9:30 AM & 11:30 AM
The Mystery of the Clam (two performances) Tremont Room

NEWEA Awards Ceremony and Lunch (ticket required) 11:00 AM–1:00 PM

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 28–31 1:00–3:00 PM
See descriptions beginning on page 21

Adjourn 3:00 PM

Opening Session

MONDAY, JANUARY 22
11:00 AM

Moderator:
Amy Anderson, NEWEA
Program Chair, Arcadis

Welcome:

James Barsanti, NEWEA President,
City of Framingham, MA

Keynote Speaker:

Juliette Kayyem, Kayyem Solutions, LLC

Juliette Kayyem, founder of Kayyem Solutions, LLC, a female-owned security business providing strategic advice to a range of companies, has served as a national leader in America's homeland security efforts.

Juliette has spent over 15 years managing complex policy initiatives and organizing government responses to major crises in both state and federal

government. Most recently, she was President Obama's Assistant Secretary for Intergovernmental Affairs at the Department of Homeland Security. There she played a pivotal role in major operations including handling of the H1N1 pandemic and the BP Oil Spill response; she also organized major policy efforts in immigration reform and community resiliency.

Before that, she served as Massachusetts Governor Deval Patrick's homeland security advisor, guiding regional planning and the state's first interoperability plan, and overseeing the National Guard. She has also served as a member of the National Commission on Terrorism, a legal advisor to US Attorney General Janet Reno, and a trial attorney and counselor in the Civil Rights Division at the Justice Department. She is the recipient of many government honors, including the Distinguished Public Service Award, the Coast Guard's highest medal awarded to a civilian. In 2013, she was named the Pulitzer Prize finalist for editorial columns in the Boston Globe focused on ending the Pentagon's combat exclusion rule against women, a policy that was changed that year.



Juliette Kayyem

Sessions 1–5
Monday
8:30–10:30 AM

Technical Sessions

Session 1

**CSO/Wet Weather 1:
Innovation in CSO
Management**

Moderators:

Ivonne Hall,
Connecticut DEEP
Rita Fordiani, Kleinfelder

**Hartford Metropolitan District Commission (MDC)
Wet Weather Expansion Project (WWEP) Phase 1—
New 200 MGD Preliminary Treatment Facilities**

Greg Bazydola, Arcadis
Thomas Tyler, The Metropolitan District

**Design and Implementation of the South Hartford
CSO Tunnel**

Brian Canterbury, AECOM
James Sullivan, AECOM
Andrew Perham, The Metropolitan District

**Modernizing Combined Sewers Inspections using
Drones in Boston, MA**

Jonnas Jacques, Kleinfelder
Amy Schofield, Boston Water and Sewer Commission
David Peterson, Kleinfelder

**Globe Street Sewer Improvements: “The Dancing
Manhole Cover”**

Andrew Smith, Wright-Pierce
Terrence Sullivan, City of Fall River, MA
Paul Ferland, City of Fall River, MA

Session 2

**Collection System 1
To Dig or Not to Dig,
That is the Question**

Moderators:

Peter Garvey, Dewberry
Kara Johnston, CDM Smith

**Downtown Sewer System Rehabilitation Light on
Study—Heavy on Rehab**

Stephen Calabro, Stantec
Jonas Kazlauskas, Town of Bridgewater, MA
Michael Brady, Stantec

**A “CIPP First” Approach Changes Community from
Reactive Scramblers to Proactive Believers**

Justin deMello, Woodard & Curran

**Designing for Construction—Trenchless Solutions for
the Springfield Water and Sewer Commission**

Laura Nolan, Kleinfelder
Josh Schimmel, Springfield Water and Sewer
Commission
Tom Ritchie, Kleinfelder

**Framingham Interchange 12 Interceptor—Trenchless
Technologies Can Apply to New Pipelines Too!**

Victor Olson, Stantec

Monday
8:30–10:30 AM

Session 3

**Water Reuse—
Old Meets New:
Water Reuse Treatment
and Regulation**

Moderators:

Helen Gordon,
Environmental Partners
Group
Chuck Pike, Black & Veatch

Session 4

**Government Affairs :
“Ask not what your
country can do for
you—ask what you can
do for your country”**

Moderators:

Matt Formica, AECOM
Lauren Hertel, Stantec

Technical Sessions 1–5

**Use of Reclaimed Water Expanded at Bayberry Hills
Golf Course in Yarmouth, MA**

David Young, CDM Smith
Jeff Colby, Town of Yarmouth, MA

**Fluorescence Characterization of Organic Fouling in
Membrane Treatment**

Lauren Bergman, Tighe & Bond

**Application of Tidal Flow Constructed Wetland for
Wastewater Treatment and Water Reuse**

Annalisa Onnis-Hayden, Northeastern University

**Sidestream Anaerobic Zones Open Up Options and
Improve Phosphorus Removal Process Stability**

Patrick Dunlap, Black & Veatch
James Barnard, Black & Veatch
Mark Steichen, Black & Veatch

**Engaging Legislators through the NEWEA
Congressional Briefing and throughout the Year**

Robert Fischer, City of South Burlington, VT
Raymond Willis, Onsite Engineering, Inc.

**Regulatory Advocacy for Water and Wastewater
Utilities**

Philip Guerin, Massachusetts Coalition for Water
Resources Stewardship

**Using WQS Variances to Implement an Adaptive
Management Approach to Nutrient Source Control**

Gregory Currey, Tetra Tech, Inc.
Clair Meehan, Tetra Tech, Inc.

**Long-Term Instrument-Based Monitoring for
Assessing Compliance with Water Quality Standards**

Alex Santos, Arcadis
Dominic DiSalvo, Bergen County Utilities Authority

Monday
8:30–10:30 AM

Session 5

Water for People: Global Perspectives on Water and the Environment

Moderators:

Renie Jesanis, MWRA
Tommy Chase,
PEER Consultants, Inc.

Technical Sessions 1–5

Ready, Set, Listen! Perspectives from the Listening Project on International Work

Hugh Tozer, Woodard & Curran

Cambodia 2017—Water and Wastewater Experiences

James Donison, Town of Hooksett, NH

Improving Water Quality in the Villages of Himachal Pradesh

Evelyn Grainger, Worcester Polytechnic Institute
Randy Melanson, Worcester Polytechnic Institute
Amod Choudhary, Worcester Polytechnic Institute

Wading Water Woes by bringing 4M approach into Program Planning and Implementation - Lessons from India

Dr. Sakshki Saini, Society for Participatory Research in
Asia

Sessions 6 – 11
Monday
2:00–4:30 PM

Session 6

Young Professionals

Moderators:

Amanda Lade, AECOM
Kate Roosa,
Woodard & Curran

Session 7

Stormwater 1: Stormwater Resiliency Planning for an Uncertain Future Climate

Moderators:

David Bedoya, Stantec
Vinta Varghese, CH2M

Exhibit Hall Break
3:00–3:30 PM

Technical Sessions

Multifaceted Approach to Copper Reduction at the Scituate Wastewater Treatment Facility

Austin Weidner, Tighe & Bond
William Branton, Town of Scituate, MA

Performing Successful Large Diameter Pipe Inspections Under Variable Flow Conditions

Eliza Morrison, Wright-Pierce
Michael Stein, Wright-Pierce

Process Improvements at Southbridge WWTP

Vanessa Borkowski, Stantec
Justin Motta, Stantec

Turners Falls Main Drain and Siphon Rehabilitation

Ryan Graham, CDM Smith
Jonathan Kunay, CDM Smith
Tom Bergeron, Town of Montague, MA

New York City Stormwater Climate Resilience Study

Steven Roy, Ramboll Environ
Trine Stausgaard Munk, Ramboll

Advanced 2D Hydraulic Modeling and LIDAR Integration for Resiliency Planning

Caitlin Fedio, Hazen and Sawyer
Charles Wilson, Hazen and Sawyer

Integrating Flood Protection and Linear Park Space in a Vulnerable Urban Environment

Victoria Weiss Yildirim, Dewberry
Milton Puryear, Brooklyn Greenway Initiative

Promoting Sustainable Land Use Development

Danielle Spicer, Green International Affiliates, Inc.

Monday
2:00–4:30 PM

Technical Sessions 6–11

Session 8

**Utility Management:
Preparing and
Planning for the
Future Management
of Utilities**

Moderators:
Laura Nolan, Kleinfelder
Kevin Garvey, CDM Smith

**Creating Change Starts with an Organizational
Assessment: A Field-Tested Approach**

Seth Garrison, Raftelis Financial Consultants
Tom Arn, Raftelis Financial Consultants

**Effective Utility Management—A Case Study of
Manchester, NH**

Frederick McNeill, City of Manchester, NH

**An Aging Industry—Preparing the Next Generation
of Wastewater Management**

Benjamin Smith, NEIWPCC
John Murphy, MassDEP

**An Integrated Water Resources Management Plan
for a Small City**

Pamela Westgate, Kleinfelder
Dan Murphy, City of Easthampton, MA

Seven Miles of Sludge Pipe -- A Fifteen-Year Journey

Ethan Wenger, MWRA

**A Streamlined Approach to Multi Facility Master
Planning with Triple Bottom Line Optimization**

Vera Gouchev, Hazen and Sawyer
Paul Knowles, Hazen and Sawyer
Robert Sharp, Hazen and Sawyer

**Co-Digestion with Food Waste Organics—The Next
Chapter in GLSD Biosolids Management**

Richard Weare, Greater Lawrence Sanitary District
Cheri Cousens, Greater Lawrence Sanitary District
Benjamin Mosher, CDM Smith
Michael Walsh, CDM Smith

**New Products and Markets for a Federally
Registered Biosolid Fertilizer**

Samantha Halloran, Lystek International
Mike Dougherty, Lystek International

Session 9

**Residuals 1:
Lessons Learned
from Municipal
Solids Planning**

Moderators:
Natalie Sierra,
Brown and Caldwell
Tracy Chouinard,
Brown and Caldwell

Exhibit Hall Break
3:00–3:30 PM

Monday
2:00–4:30 PM

Technical Sessions 6–11

Session 10

**Energy 1:
Tales of Energy
Efficiency and
Lessons Learned**

Moderators:
David Michelson, South
Essex Sewerage District
Dede Vittori, MWRA

Session 11

**Small Community:
Practical Solutions
for Small Community
Problems**

Moderators:
Ian Catlow, Tighe & Bond
Kurt Mailman,
Fuss & O'Neill

Exhibit Hall Break
3:00–3:30 PM

**Design and Operation of Advanced Aeration Control
Systems**

Maureen Neville, CDM Smith
Alexandra Doody, CDM Smith

**An ESCO Story—Aeration Upgrades in Westfield,
MA Lead to Energy Savings and Improved Process
Control**

Cynthia Castellon, Tighe & Bond
Jeffrey Gamelli, City of Westfield, MA
Kenneth Gagnon, City of Westfield, MA

**New Hampshire's Unique Approach to Wastewater
Efficiency**

Sharon Rivard, NHDES
Mark Toussaint, Eversource Energy
Steve Bolles, Process Energy Services

**How Oversized Mixers Hurt Activated Sludge
Performance**

Coenraad Pretorius, CDM Smith
Ed Wicklein, Carollo Engineers
Randal Samstag, Randal W. Samstag Civil and Sanitary
Engineer

**Decentralized Wastewater Collection and Advanced
Treatment Technology**

Julie Barown, Orenco Systems, Inc.

**Selection of an On-Site Wastewater Treatment
System for the Buskin Beach House in Kodiak,
Alaska**

Luis Garcia, U.S. Coast Guard Academy
Gretchen Krause, U.S. Coast Guard Academy
Sharon Zelmanowitz, U.S. Coast Guard Academy

Hydraulics of Pressure Sewer Systems

Keith McHale, Environment One Corporation
Clark Henry, Environment One Corporation
Michael Crowley, Environment One Corporation

**Solving Stormwater Issues at US Coast Guard Air
Station Borinquen—A Senior Capstone Design
Experience**

Corinna Fleischmann, U.S. Coast Guard Academy
Elizabeth Nakagawa, U.S. Coast Guard Academy
Clara Dahill, U.S. Coast Guard Academy

Sessions 12–16
Tuesday
9:00–11:30 AM

Technical Sessions

Session 12 Operator Ingenuity

Moderators:
Tim Vadney, Wright-Pierce
Lindsey Shields,
Wright-Pierce

Presenters TBD

Please contact the session moderators for information about presenting in the session:
tim.vadney@wright-pierce.com
lindsey.shields@wright-pierce.com

Session 13 Plant Operations 1: Nutrients

Moderators:
Tom Hazlett,
Woodard & Curran
John Adie, NHDES

Evolving Nutrient Standards for a Small Coastal NH Community: Newmarket, NH WWTF Upgrades

Michael Curry, Wright-Pierce
Sean Greig, Town of Newmarket, NH

Testing Add-On Phosphorus Removal Processes at Upper Blackstone to Balance Low-Level Phosphorus and Metals Permit Limits

Maureen Neville, CDM Smith
Alexandra Bowen, CDM Smith
Karla Sangrey, Upper Blackstone Water Pollution Abatement District

Tertiary Filtration Process Performance Testing to Meet 0.05 mg/l Total Phosphorus

Matthew Formica, AECOM
Jon Pearson, AECOM
Erik Grotton, Blueleaf, Inc.

Implementation of Nutrient Removal Upgrades in Cranston, RI—A Phased-Approach to Achieving Effluent Limits Entering the Pawtuxet River Helps Control Capital Improvement Costs

David Bowen, Wright-Pierce
Andrew Grota, Wright-Pierce
Kenneth Mason, City of Cranston, RI

Exhibit Hall Break
10:00–10:30 AM

Tuesday
9:00–11:30 AM

Session 14 Sustainability: Sustainable Energy— Creating Food from Waste

Moderators:
Courtney Eaton,
Woodard & Curran
Sandy Tripp, GHD

Session 15 Collection System 2: Pumped for Resilience

Moderators:
Mark Thompson,
Kleinfelder
Dennis Sullivan, National
Water Main Cleaning Co.

Exhibit Hall Break
10:00–10:30 AM

Technical Sessions 12–16

Alternative Project Delivery Improves Biosolids Program Sustainability

James Dunbar, Lystek International
Greg Baatrup, Fairfield-Suisun Sewer District, CA
Tim Shea, Waite Consulting

Digest or Co-digest—Can the Clinton WWTP Import Organics or Not?

Christopher Muller, Brown and Caldwell
Kevin DePerri, MWRA
David Duest, MWRA
Robert Gorham, MWRA

Co-digestion of Organic Solid Waste at WWTPs—Pre-treatment Options

Joerg Blischke, Black & Veatch

Food Waste and FOG Processing for Digestion

Wayne McFarland, GHD

Rerouting Worcester's Sewer—The New Whitla Drive Pump Station

Daniel Roop, Tighe & Bond

Increasing the Resilience of Vulnerable Infrastructure in the Face of Climate Change—A Tale of Two Communities

Sara Greenberg, GHD
Anastasia Rudenko, GHD

Winning the War Against Wipes

Troy Heimerl, JWC Environmental
Kevin Bates, JWC Environmental

Not Just Another Leak in the Pipe

Marc Moccio, Wright-Pierce
Kevin Olson, Wright-Pierce
Robert Ward, City of Haverhill, MA

Tuesday
9:00–11:30 AM

Technical Sessions 12–16

Session 16

Asset Management 1: Planning

Moderators:

Georgine Grissop,
CDM Smith
Peter von Zweck, CH2M

Timing is Everything: CIP Prioritization Methods
Kevin Campanella, Burgess & Niple, Inc.

Burlington Vermont's First Asset Management Journey

Greg Johnson, City of Burlington, VT
John Jackman, Hoyle, Tanner & Associates
Rod Lovely, Assetic

Getting the Most Out of Your Asset Management System: Data Analysis and Visualization for Self-Assessment and Planning

Cris Perez, Kleinfelder
Andrew Goldberg, Kleinfelder

Lowell Regional Wastewater's Approach to Asset Management of its Critical Facilities

Brian Shea, Stantec
Mark Young, Lowell Regional Wastewater Utility
Michael Stuer, Lowell Regional Wastewater Utility

Exhibit Hall Break

10:00–10:30 AM

Sessions 17–22

Tuesday
1:30–4:00 PM

Session 17

Plant Operations 2: Cost Cutting Case Studies

Moderators:

Nick Tooker,
Northeastern University
Sue Guswa,
Woodard & Curran

Session 18

Stormwater 2: MS4 Community Strategies for Effective Stormwater Management

Moderators:

Vonnie Reis, City of Framingham, MA
Natalie Pommersheim,
Environmental Partners Group

Exhibit Hall Break

2:30–3:00 PM

Technical Sessions

Optimization Through Design—Implementing Full Scale Carbon Addition to 700 MGD of Wastewater Treatment in NYC

Robert Frost, Hazen and Sawyer
Sarah Galst, Hazen and Sawyer
Mark Supplee, CH2M

Improving Nutrient Removal of Existing Wastewater Facilities using Cyclical Aeration and Chemical Addition

Rachel Schnabel, Fuss & O'Neill
Jeffrey McDonald, Fuss & O'Neill, Inc.
Stephanie Baldino, Town of Plainfield, CT

A New Low—Achieving 3 mg/L Total Nitrogen with Bardenpho

Matthew Pitta, CDM Smith
William McConnell, CDM Smith
David Norton, City of Brockton, MA

Primary Setting Tank Concrete Repair Work at the Poquonock WPCF, CT—The Success Story of Overcoming Budgetary Challenges

Allison Zeoli, Arcadis
Carl Veilleux, The Metropolitan District

Evaluating Urban Water Quality in Boston's MS4

Andrea Braga, Geosyntec Consultants
Charlie Jewell, Boston Water and Sewer Commission
Amy Schofield, Boston Water and Sewer Commission

Planning for Phosphorus Control—Let's Not Reinvent the Wheel

Zach Henderson, Woodard & Curran
Steve Lauria, Woodard & Curran

MS4 Program Cost Savings through Community Partnerships

Kathryn Edwards, Arcadis
Nicholas Erickson, City of Fitchburg, MA

Tuesday
1:30–4:00 PM

Technical Sessions 17–22

Session 19

HOT TOPIC:

PFAS/ Perfluorinated Compounds—Regulatory Concerns Are Impacting Wastewater & Residuals Managements

Moderators:

Shelagh Connelly,
Resource Management, Inc.
Elena Proakis-Ellis,
City of Melrose, MA

Session 20

Safety: Safety is Only as Strong as the Weakest Link

Moderators:

David Aucoin,
Narragansett Bay
Commission
David Horowitz,
Tighe & Bond

Perfluorinated Alkyl Substance (PFAS) Concerns Related to Wastewater & Residuals

Ned Beecher, NEBRA

Getting Ahead of the Curve – Risk Management Strategies for Perfluoroalkyl Substances

Sara Barbuto, Integral Consulting Inc.
Rachel Jacobson, WilmerHale
Nicholas Shonka, Integral Consulting

PFAS in New England: Regulatory Status and Considerations for Assessment

Lisa McIntosh, Woodard & Curran

Analyzing PFAS in Wastewater, Residuals and Soils

Sarita Croce, Town of Merrimack NH

How to Read (and Understand) Safety Data Sheets!

David Horowitz, Tighe & Bond

The Top 10!

David Wright, Weston & Sampson

The Importance of Maintenance in Your Safety Program

John Perrrotti III, Fuss & O'Neill
Larry Bouvier, Fuss & O'Neill

Can You Handle the Pressure?

David Wright, Weston & Sampson

Exhibit Hall Break

2:30–3:00 PM

Tuesday
1:30–4:00 PM

Technical Sessions 17–22

Session 21

Workforce

Development:

Attracting the Next Generation to the Water Quality Profession

Moderators:

Lenny Young, MWRA
Danielle Gallant,
CDM Smith

Session 22

CSO/Wet Weather 2: Smart CSO Planning and Optimization

Moderators:

Jeff Cantwell, Flow
Assessment Services
Steve Perdios, Dewberry

Veteran Engagement—NEWEA Water Warriors

Dustin Price, Portland Water District
Peter Goodwin, Ted Berry Company

The Davies School to Career Program—A Work-Based Learning Partnership with the Warwick Sewer Authority

Betty Anne Rogers, Warwick Sewer Authority
Janet Butler, Davies Career and Technical High School

CSO Plan Optimization using SWMM

Nancy Kelley Beaton, CDM Smith
Eilish Corey, CDM Smith
Paul Ferland, City of Fall River, MA

Narragansett Bay Commission, Phase III CSO Abatement Program—Revaluation and Optimization

Todd Moline, MWH Constructors
Chris Feeney, Stantec
Kathryn Kelly, Narragansett Bay Commission

Addressing the City of Albany's CSO and Flooding Challenges with Continuous Monitoring and Adaptive Control Technology

Scott Simpson, OptiRTC
William Simcoe, City of Albany, NY
Mike Miller, CHA Consulting, Inc.

Smart City Analytics—Empowering Decision Making Through Big Data Analysis and Living Models in Hartford, CT

Scott Craig, CDM Smith
Jason Waterbury, The Metropolitan District
Matthew Gamache, CDM Smith

Exhibit Hall Break

2:30–3:00 PM

Sessions 23 – 27
Wednesday
8:30–11:00 AM

Session 23

**Private Inflow:
Navigating Private
Inflow in Public
Communities**

Moderators:

Frank Occhipinti,
Weston & Sampson
William Paulitz,
City of Peabody, MA

Session 24

**Energy 2: Finding
Energy Savings in
Resource Recovery**

Moderators:

David VanHoven, Stantec
Sharon Rivard, NHDES

Exhibit Hall Break

9:30–10:00 AM

Technical Sessions

**Removal of Private Inflow—No Thanks, Not in my
Basement or Backyard**

Chris Dwinal, Wright-Pierce
Kattie Collins, Wright-Pierce

Separating Combined Properties in Chicopee, MA

Allison McMordie, Tighe & Bond
Kayla Larson, Tighe & Bond

**Sump Pump Disconnection Programming and
Ordinance Development**

Lindsey Sylvester, Wright-Pierce

**Finding Inflow—A Public, Private...Animated
Production**

Justin deMello, Woodard & Curran
Brian Pena, City of Lawrence, MA

**Torrefaction, Pyrolysis, and Gasification-Thermal
Processes for Resource Recovery and Biosolids
Management**

Jeanette Brown, Manhattan College

**Flue Gas CO₂ Recycling at Upper Blackstone Water
Pollution Abatement District**

Rick Johnson, Clearas Water Recovery
Mark Johnson, Upper Blackstone Water Pollution
Abatement District
David Bayless, Ohio University

**Apply PONDUS Thermochemical Hydrolysis (TCHP)
for Improving Biogas Production, Digested Sludge
Dewaterability and Energy Balance of Solids
Handling Processes**

Zhongtian Li, Centrisys Corporation - CNP Division
Melissa Arnot, Kenosha Water Utility
Hiroko Yoshida, Centrisys Corporation - CNP Division

**Modelling Ammonia Based Aeration Control in Real
Time with Online Instrumentation**

Dave Commons, Hach
Bob Dabkowski, Hach
Melody White, Hach

Wednesday
8:30–11:00 AM

Session 25

**Industrial Wastewater:
Industrial Discharger's
Opportunities for
Studying Non-
Traditional Pollutant
Loading, Stormwater
Compliance Strategy
and FOG Mitigation**

Moderators:

Michael Curtis,
Quantum Biopower
Sarah White,
UniFirst Corporation

Session 26

**Stormwater 3:
Sustainable
Stormwater
Management, Green
Infrastructure, and
Other Innovative Ideas**

Moderators:

Maria Rose,
City of Newton, MA
Kathryn Edwards, Arcadis

Exhibit Hall Break

9:30–10:00 AM

Technical Sessions 23–27

**Effects of a Novel Degreaser on FOG Accumulation,
Membrane Performance, and Effluent Compliance**

Patrick Antle, Protein Matrix
David Elmer, Weston & Sampson
Corey Repucci, Weston & Sampson

**Challenges Assessing and Treating Wastewater from
Biotechnology Manufacturing Operations**

Wayne Bates, Tighe & Bond
William Potochniak, Tighe & Bond
Derek Sykes, Amgen

**Wastewater Load Modeling—What you Don't Know
Can Hurt You**

Alex Santos, Arcadis

**Addressing the Impacts of Industrial Stormwater
Compliance**

Russell Parkman, Ramboll Environ

Satellite Treatment as an Anchor for Green Space

Mark Boner, WesTech Engineering
Matthew Williams, WesTech Engineering, Inc.
Brian Mitchell, WesTech

**The Path to Sustainable Funding for Stormwater
Infrastructure in Longmeadow, MA**

Tracy Adamski, Tighe & Bond
Sarah Bounty, Tighe & Bond
Stephen Crane, Town of Longmeadow, MA

A Green Street for Watertown, MA

Pallavi Mande, Charles River Watershed Association
Elisabeth Cianciola, Charles River Watershed
Association
Matt Shuman, Town of Watertown, MA

Greening The Bronx

Virginia Roach, CDM Smith
Walid Harrouch, City of New York DEP

Wednesday
8:30–11:00 AM

Technical Sessions 23–27

Session 27

**Plant Operations 3:
Plant Upgrades from
Planning Through
Construction**

Moderators:

David Press, Tighe & Bond
Lindsey Shields,
Wright-Pierce

**Newington, NH WWTF—Repackaging an Old
Packaged Treatment Plant**

Jeff Mercer, Wright-Pierce

**Conceptual Resiliency Planning for Stratford Water
Pollution Control Facility**

Daniel Stapleton, GZA GeoEnvironmental, Inc.
Samuel Bell, GZA GeoEnvironmental, Inc.
Chad Cox, GZA GeoEnvironmental, Inc.

**Treatment Options for Achieving Stringent Nutrient
Removal at One of the Last Municipal Powdered
Activated Carbon/Wet Air Oxidation Plants in the
U.S.**

Fred Mueller, Tighe & Bond
Austin Weidner, Tighe & Bond
Robert Grasis, Town of Vernon, CT

**Understanding IFAS—Lessons Learned from the
Hooksett Experience**

David Mercier, Underwood Engineers

Sessions 28 – 31

Wednesday
1:00–3:00 PM

Session 28

**Collection Systems 3:
An Odor! An Inline
Storage! My Kingdom
for Alternative Delivery!**

Moderators:

Shawn Syde, CDM Smith
John Murphy, Stantec

Session 29

**Residuals 2:
Enhanced Concepts in
Biosolids and Residuals
Management**

Moderators:

Eric Spargimino, CDM Smith
Ben Mosher, CDM Smith

Technical Sessions

**Oneida County, NY—A Case Study for Continuous
Improvement**

Peter Frick, ADS Environmental Services
Brian Whittaker, O'Brien & Gere
Michael Armes, ADS Environmental Services

**Reducing H₂S and Odors with Superoxygeated
Wastewater**

Tim Haskell, York Sewer District
Richard Russell, Walker Wellington LLC
J.J. Von Himmelreich, Blue in Green

**Westminster's Approach to Increasing Sewer System
Capacity and Cost-Effectively Lifting its Sewer
Connection Moratorium – Inline Storage!**

Kevin Olson, Wright-Pierce
Barry Yaceshyn, Wright-Pierce
Joshua Hall, Town of Westminster, MA

**Alternative Project Delivery Allows New Wastewater
System to Unlock Economic Opportunity for Rural
Community**

Robert Polys, Woodard & Curran

**Enhanced Phosphorus Removal and Recovery
Through Acid Phase Digestion and Brushite
Precipitation**

Zhongtian Li, Centrisys Corporation - CNP Division
Menachem Tabanpour, Nutrient Recovery & Upcycling
LLC
Hiroko Yoshida, Centrisys Corporation

I Know You Like to Think your ish Don't Stink . . .

Jen McDonnell, Casella Organics
Michael Hodge, Casella Organics
Tony Barbagallo, Casella Organics

**Reducing Plant-available Phosphorus in Agricultural
Soils with Water Treatment Residuals**

Michael Potash, Resource Management, Inc.
Andrew Carpenter, Northern Tilth

**When Legislators Don't Realize What they Voted
On—Biosolids, Wood Ash, and Paper Fiber**

Shelagh Connelly, Resource Management, Inc.

Exhibit Hall Break

9:30–10:00 AM

Wednesday
1:00–3:00 PM

Session 30

Asset Management 2: Technology

Moderators:

Dan Capano,
Gannett Fleming Engineers
Lori Carriero, Tighe & Bond

Session 31

Watershed Management: The Many Scales of Watershed Management—Case Studies from the River, Pond, and Site Perspectives

Moderators:

Steven Wolosoff,
CDM Smith
Sara Greenberg, GHD

Technical Sessions 28–31

Practical Uses of Mobile Data Management and Computerized Maintenance Management Systems in Water and Wastewater Treatment Facilities.

Landon Kendrick, Woodard & Curran
Alan Fabiano, Woodard & Curran

Navigating SCADA from Design to Startup – Case Study of the Metropolitan District Wet Weather Expansion Project SCADA Implementation

Ryan Kowalski, Arcadis
Scott LaRose, The Metropolitan District

Agile Traffic Reporting During Construction: A Public Relations Solution Integrating GIS and Waze

Berkley Myers, Kleinfelder
Tyson Ross, Kleinfelder

Rome Wasn't Built in a Day...Neither Should a CMMS

Evan Walsh, Hazen and Sawyer
Michael Stuer, Lowell Regional Wastewater Utility
Aditya Ramamurthy, Hazen and Sawyer

LRWWU Clean Stream Initiative for the Merrimack River

Gregory Coyle, Lowell Regional Wastewater Utility
Tim Devine, Hazen and Sawyer

New NPDES Permit Limits for Nitrogen for Massachusetts in the Connecticut River Watershed— Truth or Fiction?

Susan Guswa, Woodard & Curran
Paul Hogan, Woodard & Curran

Integrated Resource Management

Cambria Ung, VHB
Theresa McGovern, VHB

Starting from the Bottom: Successfully Restoring an Urban Water Body

Lauren Swett, Woodard & Curran
Nathaniel Smith, Portland Public Services

Monday
10:30 AM – 4:30 PM

Tuesday
8:00 AM – 4:00 PM

3rd Floor Atrium



NEWEA/NEWIN Innovation Pavilion

The 2018 Water Innovation Pavilion is coordinated in partnership between New England Water Environment Association (NEWEA) and the New England Water Innovation Network (NEWIN).

Throughout the US, there are a number of cities that identify themselves as Water-Clusters. Our area of the Northeastern US is more than one city and NEWIN exists to highlight our collective strengths in water-innovation. NEWIN represents a water-innovation super-cluster with over 298 companies in the community and representation throughout New England. NEWEA understands the importance of bringing people together to engage with new ideas and perspectives.

The NEWEA & NEWIN Pavilion is created to drive local innovation in our region, and we are pleased to highlight the leading water-innovators and innovations across three primary segments of the water-sector. These three areas include: Nitrogen Remediation Technologies; Water-IT, Sensors & Analytics; and Recycling, Reuse and Recover technologies.

NEWEA & NEWIN has gathered an amazing selection of the region's leading water-innovations. Come visit the Innovation Pavilion to meet with the innovators, and learn about their innovation.

GUIDED TOURS OF THE INNOVATION PAVILION

Join our personal guided tours of the Innovation Pavilion scheduled to be announced.

Annual Business Meeting

MONDAY, JANUARY 22
8:00–8:30 AM

Respectfully Submitted by
the NEWEA Nominating
Committee:
Brad Moore (Chair),
Ray Willis,
Matt Formica,
Marylee Santoro,
Virgil Lloyd
All nominees have
indicated their willingness
to serve.

2018 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 22, 2018:

- Vice President – Jennifer Lachmayr
- Treasurer – Priscilla Bloomfield (3rd year)
- Council Director – Communications – Meg Tabacsko
- Council Director – Outreach – Justin Skelly
- WEF Delegate – Susan Guswa
- Rhode Island Director – Scott Goodinson
- Vermont Director – Chris Robinson

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

- President – Janine Burke-Wells
- President-Elect – Raymond Vermette
- Past President – James Barsanti

The remaining incumbents are fulfilling unexpired terms:

- WEF Delegate – Susan Sullivan (through WEFTEC 2018)
- WEF Delegate – Fred McNeill (through WEFTEC 2019)
- WEF Delegate – Matt Formica (through WEFTEC 2020)
- Council Director – Meeting Management – Elena Proakis Ellis (3rd year)
- Council Director – Treatment, Systems Operations, and Management – Marylee Santoro (3rd year)
- Council Director – Collection Systems, and Water Resources – John Digiacomio (2nd year)
- Maine Director – Clayton “Mac” Richardson (3rd year)
- New Hampshire Director – Sean Greig (3rd year)
- Connecticut Director – Virgil Lloyd (2nd year)
- Massachusetts Director – Justin DeMello (2nd year)

Treasurer Report—2017 Balance Sheet

Adjourn—James Barsanti, NEWEA President

Hotel Information

Hotel and Room Reservation Information

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

Accommodations and Rates:
SINGLE—\$204 DOUBLE—\$224

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

Reservations may also be made online at:
<https://resweb.passkey.com/go/NEWEA2018>

Registration Deadline is Friday, December 29.

Check-out time is Noon
Guest rooms will be
available after 4:00 PM.

All rooms subject to 9.7%
tax (subject to change).

Reservations must be made
before **Friday, December
29** to ensure availability of
accommodations and the
special group rate.



Guest Program

MONDAY, JANUARY 22

Exhibit Hall Reception

4:30-6:30 PM • 3rd Floor Exhibit Area

TUESDAY, JANUARY 23

Escape Into Dreamland

Pack your bags and get ready for an adventurous day. We're going on our very own mystery tour. We will ESCAPE into a DREAMLAND world where we will meet history face to face. Then experience lunch at a long-standing eatery with its very own history.

Things to pack for this trip:

- Camera – plenty of opportunities for selfies
- Your thinking cap
- Historical knowledge
- Deciphering skills
- A sassy attitude
- And a big smile

So be ready for a fun packed day full of twists and turns.

Very short outside walking. Please dress accordingly.

Exhibit Hall Reception

4:30–6:00 PM • 4th Floor Exhibit Area

Previous programs have included tours of the Newport mansions, local wineries, cooking classes, food tours, and museums. We hope you can join us!



Presenters

PRESENTER	AFFILIATION	SESSION NO.
Tracy Adamski.....	Tighe & Bond.....	26
Ron Amberger.....	Modern Energy, LLC.....	11
Patrick Antle.....	Protein Matrix.....	25
Michael Armes.....	ADS Environmental Services.....	28
Tom Arn.....	Raftelis Financial Consultants.....	8
Melissa Arnot.....	Kenosha Water Utility.....	24
Greg Bastrup.....	Fairfield-Suisun Sewer District, CA.....	14
Stephanie Baldino.....	Town of Plainfield, CT.....	17
Tony Barbagallo.....	Casella Organics.....	29
Sara Barbuto.....	Integral Consulting Inc.....	19
James Barnard.....	Black & Veatch.....	3
Julie Barown.....	Orenco Systems, Inc.....	11
Kevin Bates.....	JWC Environmental.....	15
Wayne Bates.....	Tighe & Bond.....	25
David Bayless.....	Ohio University.....	24
Greg Bazydola.....	Arcadis.....	1
Nancy Kelley Beaton.....	CDM Smith.....	22
Ned Beecher.....	NEBRA.....	19
Samuel Bell.....	GZA GeoEnvironmental, Inc.....	27
Tom Bergeron.....	Town of Montague, MA.....	6
Lauren Bergman.....	Tighe & Bond.....	3
Joerg Blischke.....	Black & Veatch.....	14
Steve Bolles.....	Process Energy Services.....	10
Christopher Bone.....	Tighe & Bond.....	10
Mark Boner.....	WesTech Engineering.....	26
Vanessa Borkowski.....	Stantec.....	6
Sarah Bounty.....	Tighe & Bond.....	26
Larry Bouvier.....	Fuss & O'Neill.....	20
Alexandra Bowen.....	CDM Smith.....	13
David Bowen.....	Wright-Pierce.....	1, 13
Michael Brady.....	Stantec.....	2
Andrea Braga.....	Geosyntec Consultants.....	18
William Branton.....	Town of Scituate, MA.....	6
Jeanette Brown.....	Manhattan College.....	24
Janet Butler.....	Davies Career and Technical High School.....	21
Stephen Calabro.....	Stantec.....	2
Kevin Campanella.....	Burgess & Niple, Inc.....	16
Brian Canterbury.....	AECOM.....	1
Andrew Carpenter.....	Northern Tilth.....	29
Cynthia Castellon.....	Tighe & Bond.....	10
Amod Choudhary.....	Worcester Polytechnic Institute.....	5
Elisabeth Cianciola.....	Charles River Watershed Association.....	26
Richard Claytor.....	Horsley Witten Group.....	26
Jeff Colby.....	Town of Yarmouth, MA.....	3

PRESENTER	AFFILIATION	SESSION NO.
Kattie Collins	Wright-Pierce	23
Stephanie Collins	Tighe & Bond	25
Dave Commons	Hach	24
Shelagh Connelly	Resource Management, Inc.	29
Eilish Corey	CDM Smith	22
Cheri Cousens	Greater Lawrence Sanitary District	9
Chad Cox	GZA GeoEnvironmental, Inc.	27
Gregory Coyle	Lowell Regional Wastewater Utility	31
Scott Craig	CDM Smith	22
Stephen Crane	Town of Longmeadow, MA	26
Sarita Croce	Town of Merrimack, NH	19
Michael Crowley	Environment One Corporation	11
Gregory Currey	Tetra Tech, Inc.	4
Michael Curry	Wright-Pierce	13
Bob Dabkowski	Hach	24
Clara Dahill	U.S. Coast Guard Academy	11
Justin deMello	Woodard & Curran	2, 24
Kevin DePerri	MWRA	14
Dominic DeSalvo	Bergen County Utilities Authority	4
Steve Devan	Oneida County, NY	28
Tim Devine	Hazen and Sawyer	31
James Donison	Town of Hooksett	5
Alexandra Doody	CDM Smith	10
Mike Dougherty	Lystek International	9
David Duest	MWRA	14
James Dunbar	Lystek International	14
Patrick Dunlap	Black & Veatch	3
Chris Dwinal	Wright-Pierce	23
Kathryn Edwards	Arcadis	18
David Elmer	Weston & Sampson	25
Nicholas Erickson	City of Fitchburg, MA	18
Alan Fabiano	Woodard & Curran	30
Caitlin Fedio	Hazen and Sawyer	7
Chris Feeney	Stantec	22
Paul Ferland	City of Fall River, MA	1, 22
Robert Fischer	City of South Burlington, VT	4
Corinna Fleischmann	U.S. Coast Guard Academy	11
Kent Fong	Worcester Polytechnic Institute	5
Matthew Formica	AECOM	13
Gerhard Forstner	Centrisys Corporation - CNP Division	24, 29
Peter Frick	ADS Environmental Services	28
Robert Frost	Hazen and Sawyer	17
Kenneth Gagnon	City of Westfield, MA	10
Sarah Galst	Hazen and Sawyer	17
Matthew Gamache	CDM Smith	22
Jeffrey Gamelli	City of Westfield, MA	10
Luis Garcia	U.S. Coast Guard Academy	11
Seth Garrison	Raftelis Financial Consultants	8

PRESENTER	AFFILIATION	SESSION NO.
Andrew Goldberg	Kleinfelder	16
Peter Goodwin	Ted Berry Company	21
Robert Gorham	MWRA	14
Vera Gouchev	Hazen and Sawyer	9
Justin Gould	Stantec	16
Ryan Graham	CDM Smith	6
Evelyn Grainger	Worcester Polytechnic Institute	5
Robert Grasis	Town of Vernon, CT	27
Sara Greenberg	GHD	15
Sean Greig	Town of Newmarket, NH	13
Andrew Grota	Wright-Pierce	13
Erik Grotton	Blueleaf Inc.	13
Philip Guerin	MA Coalition for Water Resources Stewardship	4
Susan Guswa	Woodard & Curran	31
Patrick Gwinn	Integral Consulting	19
Fred Haffty	City of Haverhill, MA	15
Joshua Hall	Town of Westminster, MA	28
Samantha Halloran	Lystek International	9
Walid Harrouch	New York City DEP	26
Tim Haskell	York Sewer District	28
Troy Heimerl	JWC Environmental	15
Zach Henderson	Woodard & Curran	18
Clark Henry	Environment One Corporation	11
Michael Hodge	Casella Organics	29
Paul Hogan	Woodard & Curran	31
David Horowitz	Tighe & Bond	20
John Jackman	Hoyle, Tanner & Associates	16
Rachel Jacobson	WilmerHale	19
Jonnas Jacques	Kleinfelder	1
Charlie Jewell	Boston Water and Sewer Commission	18
Greg Johnson	City of Burlington, VT	16
Mark Johnson	Upper Blackstone Water Pollution Abatement District	24
Rick Johnson	Clearas Water Recovery	24
Jonas Kazlauskas	Town of Bridgewater MA	2
Kathryn Kelly	Narragansett Bay Commission	22
Landon Kendricks	Woodard & Curran	30
Paul Knowles	Hazen and Sawyer	9
Ryan Kowalski	Arcadis	30
Gretchen Krause	U.S. Coast Guard Academy	11
Rishabh Kumar	Indian Institute of Technology-Mandi	5
Jonathan Kunay	CDM Smith	6
Scott LaRose	The Metropolitan District	30
Kayla Larson	Tighe & Bond	23
Steve Lauria	Woodard & Curran	18
Thomas Lauro	Westchester County Dept. of Environmental Facilities	9
Zhongtian Li	Centrisys Corporation - CNP Division	24, 29
Rod Lovely	Assetic	16
Pallavi Mande	Charles River Watershed Association	26

PRESENTER	AFFILIATION	SESSION NO.
Kenneth Mason	City of Cranston, RI	13
William McConnell	CDM Smith	17
Jeffrey McDonald	Fuss & O'Neill	17
Jen McDonnell	Casella Organics	29
Wayne McFarland	GHD	14
Theresa McGovern	VHB	31
Keith McHale	Environment One Corporation	11
Lisa McIntosh	Woodard & Curran	19
Allison McMordie	Tighe & Bond	23
Frederick McNeill	City of Manchester, NH	8
Clair Meehan	Tetra Tech, Inc.	4
Randy Melanson	Worcester Polytechnic Institute	5
Kevin Menning	Hach	24
David Mercier	Underwood Engineers	26
Jeff Mercer	Wright-Pierce	27
Mike Miller	CHA Consulting, Inc.	22
Brian Mitchell	WesTech	26
Marc Moccio	Wright-Pierce	15
Todd Moline	MWH Constructors	22
Eliza Morrison	Wright-Pierce	6
Benjamin Mosher	CDM Smith	9
Justin Motta	Stantec	6
Fred Mueller	Tighe & Bond	27
Kerry Muenchow	Worcester Polytechnic Institute	24
Christopher Muller	Brown and Caldwell	14
Bill Mullin	Formerly of Lystek International Inc	14
Dan Murphy	City of Easthampton, MA	8
John Murphy	MassDEP	8
Berkley Myers	Kleinfelder	30
Elizabeth Nakagawa	U.S. Coast Guard Academy	11
Maureen Neville	CDM Smith	10, 13
Laura Nolan	Kleinfelder	2
David Norton	City of Brockton, MA	17
Kevin Olson	Wright-Pierce	15, 28
Victor Olson	Stantec	2
Annalisa Onnis-Hayden	Northeastern University	3
Russell Parkman	Ramboll Environ	25
Jon Pearson	AECOM	13
Brian Pena	City of Lawrence, MA	24
Jeff Pennell	SUEZ	13
Cris Perez	Kleinfelder	16
Andrew Perham	The Metropolitan District	1
John Perrotti III	Fuss & O'Neill	20
David Peterson	Kleinfelder	1
Matthew Pitta	CDM Smith	17
Robert Polys	Woodard & Curran	28
Michael Potash	Resource Management, Inc.	29
William Potochniak	Tighe & Bond	25

PRESENTER	AFFILIATION	SESSION NO.
Coenraad Pretorius	CDM Smith	10
Dustin Price	Portland Water District	21
Milton Puryear	Brooklyn Greenway Initiative	7
Aditya Ramamurthy	Hazen and Sawyer	30
Corey Repucci	Weston & Sampson	25
Tom Ritchie	Kleinfelder	2
Sharon Rivard	NHDES	10
Virginia Roach	CDM Smith	26
Betty Anne Rogers	Warwick Sewer Authority	21
Daniel Roop	Tighe & Bond	15
Tyson Ross	Kleinfelder	30
Steven Roy	Ramboll Environ	7
Anastasia Rudenko	GHD	15
Richard Russell	Walker Wellington LLC	28
Sakshki Saini	Society for Participatory Research in Asia	5
Daniel Salisbury	Worcester Polytechnic Institute	5
Randal Samstag	Randal W. Samstag Civil and Sanitary Engineer	10
Karla Sangrey	Upper Blackstone Water Pollution Abatement District	13
Alex Santos	Arcadis	4, 25
Salvatore Scapelito	New York City DEP	17
Josh Schimmel	Springfield Water and Sewer Commission	2
Rachel Schnabel	Fuss & O'Neill	17
Amy Schofield	Boston Water and Sewer Commission	1, 18
Robert Sharp	Hazen and Sawyer	9
Brian Shea	Stantec	16
Tim Shea	Waite Consulting	14
Nicholas Shonka	Integral Consulting	19
Matt Shuman	Town of Watertown, MA	26
Cole Sigmon	City of Boulder, CO	10
William Simcoe	City of Albany, NY	22
Scott Simpson	OptiRTC	22
Andrew Smith	Wright-Pierce	1
Benjamin Smith	NEIWPCC	8
Nathaniel Smith	Portland Public Services	31
Danielle Spicer	Green International Affiliates, Inc	7
Daniel Stapleton	GZA GeoEnvironmental, Inc.	27
Trine Stausgaard Munk	Ramboll Environ	7
Mark Steichen	Black & Veatch	3
Michael Stein	Wright-Pierce	6
Michael Stuer	Lowell Regional Wastewater Utility	16, 30
James Sullivan	AECOM	1
Terrance Sullivan	City of Fall River, MA	1
Mark Supplee	CH2M	17
Lauren Swett	Woodard & Curran	31
Derek Sykes	Amgen (seeking permission)	25
Lindsey Sylvester	Wright-Pierce	23
Menachem Tabanpour	Nutrient Recovery & Upcycling LLC	29
Edward Tally	City of Cranston, RI	13
Mark Toussaint	Eversource Energy	10

PRESENTER	AFFILIATION	SESSION NO.
Hugh Tozer.....	Woodard & Curran	5
Thomas Tyler.....	The Metropolitan District.....	1
Cambria Ung.....	VHB.....	31
Carl Veilleux.....	The Metropolitan District.....	17
J.J. Von Himmelreich.....	Blue in Green.....	28
Evan Walsh.....	Hazen and Sawyer.....	30
Michael Walsh.....	CDM Smith	9
Bin Wang.....	GZA GeoEnvironmental, Inc.	27
Robert Ward.....	City of Haverhill, MA.....	15
Jason Waterbury.....	The Metropolitan District.....	22
Richard Weare.....	Greater Lawrence Sanitary District.....	9
Austin Weidner.....	Tighe & Bond.....	6, 27
Victoria Weiss Yildirim.....	Dewberry.....	7
Ethan Wenger.....	MWRA.....	9
Susan West.....	U.S. Coast Guard Academy.....	11
Pamela Westgate.....	Kleinfelder	8
Brian Whitaker.....	O'Brein & Gere.....	28
Melody White.....	Hach.....	24
Ed Wicklein.....	Carollo Engineers.....	10
Matthew Williams.....	WesTech Engineering, Inc.	26
Raymond Willis.....	Onsite Engineering, Inc.	4
Charles Wilson.....	Hazen and Sawyer.....	7, 30
David Wright.....	Weston & Sampson.....	20
David Wright.....	Weston & Sampson.....	20
Barry Yaceshyn.....	Wright-Pierce.....	28
Hiroko Yoshida.....	Centrisys Corporation - CNP Division.....	24, 29
David Young.....	CDM Smith	3
Mark Young.....	Lowell Regional Wastewater Utility.....	16
Christian Zeigler.....	Protein Matrix	25
Sharon Zelmanowitz.....	U.S. Coast Guard Academy.....	11
Allison Zeoli.....	Arcadis	17

Exhibitors

ABBA Pump Parts & Service	DN Tanks
ADS Environmental Services-Idex	Doetsch Environmental Services
Advanced Drainage Systems, Inc.	Duke's Root Control
Airvac- A brand of Aqseptence Group	Duperon Corp
AllMax Software, Inc.	Eastern Pipe Service
Aqua Solutions, Inc.	Environmental Dynamics, Inc.
Aries Industries, Inc.	Environmental Operating Solutions, inc. (EOSi)
Asahi/America, Inc.	eRPortal Software, Inc.
Associated Electro-Mechanics, Inc.	EST Associates
Atlantic Fluid Technologies, Inc.	Evoqua
BAU Hopkins Inc	F. R. Mahony & Associates, Inc.
BDP	F.W. WEBB Co. - Process Controls Div.
Blake Equipment Co.	FCB Insurance LLC
BMC Corp	Flottweg Separation Technology
Boyson and Associates, Inc.	Flow Assessment Services LLC
Cabot Norit Activated Carbon	Flow Tech, Inc.
Carl Lueders & Company	FlowWorks, Inc.
Carlsen Systems, LLC	Flygt Products - A Xylem Brand
Casella Organics	Ford Hall Company
ChemFree DeFoam LLC	Gabriel Novac & Assoc.
Company	Green Mountain Pipeline Services
Coyne Chemical Environmental Services	Grundfos
Cretex Specialty Products	Hach Company
CSI Controls	Hayes Pump, Inc.
CST Covers	Hazen and Sawyer
CUES	Hobas Pipe USA
David F Sullivan & Assoc., Inc	Holland Company, Inc.
Denali Water Solutions	

Exhibitors continued

Hydro Logic
Infiltrator Water Technologies
Innovyze
ITpipes
J&R Sales and Service, Inc.
Kemira
LandTech Consultants, Inc.
Lystek International Inc
Mechanical Solutions Inc
Methuen Construction Co., Inc.
National Filter Media
National Water Main Cleaning Co.
New England Environmental Equipment
Oakson, Inc.
Oldcastle Precast - Stormwater
Performance Chemicals, LLC
PipeLogix
POND Technical Sales
Precision Trenchless, LLC
PRIMEX Controls
Pump Systems, Inc.
Pure Technologies U.S. Inc.
R. H. White Construction Co., Inc.
Rain for Rent
RI Analytical Laboratories Inc
Rockwell Automation
Russell Resources, Inc.
Seepex Pumps
SNF Polydyne
Sprayroq, Inc.
Stacey DePasquale Engineering, Inc.
SUEZ
SULLIVAN ASSOCIATES/RITEC
ENVIRONMENTAL
Synagro Northeast, LLC
Technology Sales Associates, Inc.
Ted Berry Company, Inc.
The MAHER Corporation
Thompson Pipe Group
Trumbull Industries, Inc.
USABlueBook
Utility Cloud (AESC)
Vogelsang
Walker Wellington LLC
Wescor Associates, Inc.
WESTEC
Williamson Pump & Motor
Worcester Polytechnic Institute
Xylem Dewatering Solutions Inc -
Godwin Pumps
(as of 11/08/17)