WATER’S WORTH IT
LET’S GO ALL IN.

New England Water Environment Association Presents:

NEWEA 2018
Spring Meeting & Exhibit

June 3 – 6
Gurney’s Newport Resort & Marina
Newport, Rhode Island
Designed to chop and macerate solids in extremely challenging waste water applications
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The Organics to Energy Project at Greater Lawrence Sanitary District in North Andover, Massachusetts will generate clean, renewable power for future generations by applying cost-effective and sustainable solutions.

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COLLECTION
SYSTEMS
CONFERENCE

2018
SPECIALTY
CONFERENCE
& WORKSHOP SERIES

September 10, 2018 • Boxboro Regency Hotel, Boxborough, MA

This one-day Collection Systems Conference & Exhibit will take place on Monday,
September 10 at the Boxboro Regency Hotel in Boxborough, Massachusetts. This
event will benefit collection systems operators, managers, engineers, and members of the
regulatory community.

This conference will focus on a variety of
collection system topics including: inflow/ infiltration, non-dispersibles and Fats, Oil &
Grease programs.

Exhibit & Sponsorship Opportunities will be available. Watch for registration information.

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Conference Events

Saturday, June 2

**NEWEA YP Community Service Project** ........................................... 7:30 AM – 4:00 PM
Working with ERICD, the NEWEA YPs are organizing the first community service project in conjunction with the Spring Meeting. The project is to install green infrastructure BMPs on private and town properties as part of the “Soak Up the Rain” program grant.

Sunday, June 3

Registration (Ballroom Lobby) ................................................................. Noon – 4:00 PM
Executive Committee Meeting (Brenton Hall) ........................................... 1:00 PM
Operations Challenge Event (Ballroom) ................................................... 3:00 – 7:00 PM

Monday, June 4

Registration (Ballroom Lobby) ................................................................. 7:30 AM – 4:00 PM
Speakers’ Breakfast (Scarpetta) ................................................................. 7:30 – 8:30 AM
Breakfast and General Opening Session (Ballroom) ................................. 8:00 – 9:00 AM
Moderator: Amy Anderson, NEWEA Program Committee Chair, Arcadis
Welcome: Janine Burke-Wells, NEWEA President, Warwick, RI Sewer Authority
Featured Speaker: Sheldon Whitehouse, United States Senator, Rhode Island

The Providence Journal described Senator Whitehouse as “a strong-willed and articulate member of the Senate on national issues and an energetic champion of Rhode Island economic and other interests.” The examples set by people like his father, a World War II veteran and diplomat, and by great figures in Rhode Island public life, like U.S. Senator Claiborne Pell and Governor Bruce Sundlun, taught Sheldon the good that public service can do for our country and our state. Throughout his more than thirty years in public service, Sheldon has focused on the basic issues that make a real difference in people’s lives.

A graduate of Yale University and the University of Virginia School of Law, Sheldon served as Rhode Island’s Director of Business Regulation under Governor Sundlun before being recommended by Senator Pell and nominated by President Bill Clinton to be Rhode Island’s United States Attorney in 1994. He was elected Attorney General of Rhode Island in 1998. In 2006, Rhode Islanders elected Sheldon to the United States Senate, where he is a member of the Budget Committee; the Environment and Public Works Committee; the Judiciary Committee; and the Finance Committee. He and his wife Sandra, a marine biologist and environmental advocate, live in Newport.

**TECHNICAL SESSIONS 1 & 2** ......................................................... 9:15 – 11:45 AM
Break 10:45 – 11:15 AM

**KEEPING IT LOCAL—HOT BUTTON ISSUES IN RHODE ISLAND**  
SESSION 1

Moderators: Kate Goyette, Kleinfelder
Mike Bonomo, ADS Environmental

*Newport’s Effective Use of Mobile GIS for Field Services*
– Eamon Duane, City of Newport, RI
– Edwin Roworth, Jacobs/CH2M

*How the Goal of Resiliency is Influencing Rhode Island’s Wastewater Utilities*
– Jan Greenwood, Woodard & Curran
– Jon Himlan, Woodard & Curran

*Planning and Progress for Newport’s Long Term CSO Control Program*
– Peter von Zweck, Jacobs/CH2M
– Julia Forgue, City of Newport, RI

*Climate Change & Resiliency in Rhode Island—Where We’ve Been & Where We’re Going*
– Elizabeth Stone, RI DEM

**OUTREACH AND VOLUNTEERISM—WHAT YOU CAN DO**  
SESSION 2

Moderators: Kate Biedron, CDM Smith
Deb Mahoney, Hazen and Sawyer

*A Comprehensive Public Education and Outreach Program—One Community’s Approach*
– Ken Carlson, Woodard & Curran
– Jeff Kalmes, Town of Billerica, MA

*Engaging the Public—Groton, CT’s Outreach Program*
– Chris Lund, Town of Groton, CT

*Let’s Go All In—the Classroom in the Year of the Volunteer—Learn How To Be The Best*
– Meg Tabacsko, MWRA
– Elena Proakis Ellis, City of Melrose, MA
– Lenny Young, MWRA

*Out of Sight, But Not Out of Mind*
– Robert Rak, Bristol Community College, Fall River, MA

Lunch Break (on own) ........................................................................ 11:45 PM

**Exhibit Area Open (Ballroom).......................................................... 7:30 AM – 7:30 PM**
Monday, June 4 (continued)

TECHNICAL SESSION 3  
1:00 – 3:30 PM
Break 2:00 – 2:30 PM

MUNICIPAL FACILITIES AND STORMWATER MANAGEMENT SESSION 3
Moderators: Lauren Hertel, Woodard & Curran
Denise Descheneau, Upper Blackstone WPAD

Collaborating for Public Facility Stormwater Success
– Marc Gabriel, Nitsch Engineering
– Jennifer Johnson, Nitsch Engineering
– Sean McCarthy, Town of Scituate, MA

MS4 Permitting in EPA Region 1—The Existence of a TMDL Does Not Justify Imposition of Requirements Upon all MS4 Dischargers
– John Hall, Hall & Associates
– Gary Cohen, Hall & Associates

The Changing Tide in Regulations, Permits and Environmental Standards—Where Will it Flow?
– Paul Hogan, Woodard & Curran

Refining Stormwater Rates and Improving Community Support
– David Hyder, Stantec

Spring Meeting Welcome Reception (Exhibit Area)............................6:00 – 7:30 PM

Select Society of Sanitary Sludge Shovelers (SS) Induction Ceremony .... 7:15 PM
During the Monday evening reception, Influent Integrator Charles W. Tyler will induct 12 new members into the Select Society of Sanitary Sludge Shovelers: Chuck Applebee, Water Quality and Compliance Service; Linda Austin, NEWEA; Mary Barry, NEWEA; Joe Boccadoro, AECOM; Mike Burke, SUEZ; Brad Hayes, City of Tavares, FL; Fred McNell, City of Manchester, NH; Janice Moran, NEWEA; Annalisa Onnis-Hayden, Northeastern University; Mac Richardson, Lewiston-Auburn WPCA; Marylee Santoro, City of Stamford, CT; Mike Spring, Narragansett Bay Commission; and Mary White, MWRA

Tuesday, June 5

Morning Bike Ride .................................................................7:00 AM
Coordinator: Adam Yanulis, Tighe & Bond
Join the NEWEA cyclists for an informal morning bike ride to start the day off right. The pace is moderate but not competitive and all are welcome. No fee to participate.

Registration (Ballroom Lobby).............................................7:30 AM – 4:00 PM

Speakers’ Breakfast (Scarpetta).............................................7:30 – 8:30 AM

Presidents’ Breakfast by invitation only (Scarpetta)..............8:00 – 9:00 AM

Exhibit Area Open (Ballroom).............................................8:00 AM – 5:00 PM

Operations Challenge Event (Ballroom).........................9:00 AM – 4:00 PM
Winning teams from New England will represent NEWEA in the WEF national event to be held in Chicago in October.

TECHNICAL SESSIONS 4 & 5  
9:00 – 11:30 AM
Break 10:00 – 10:30 AM

DESIGNING WITH RESILIENCY IN MIND SESSION 4
Moderators: Kate Edwards, Arcadis
Tom Loto, Kleinfelder

Bringing Flood Resiliency into MassDOT Asset Management
– Tim Dexter, MassDOT
– Samantha Roddy, MassDOT
– Roy Schiff, Milone & MacBroom

Analysis and Communication of Flood Damage Cost Avoidance in the Lamprey River Watershed
– Dan Boudreau, Geosyntec Consultants
– Cameron Wake, University of New Hampshire

Considering Climate Resiliency in Common Stormwater Designs
– Matthew Jones, Hazen and Sawyer

Restoring Flood Resiliency with a 120-MGD Flood Pump Station in Lowell, MA
– Tiffany Labrie, Tighe & Bond
– Michael Stuer, Lowell Regional Wastewater Utility
– Mark Young, Lowell Regional Wastewater Utility
– Todd Brown, University of Hartford
Tuesday, June 5 (continued)

**ALTERNATIVES TO TRADITIONAL PLANT OPERATIONS**  
SESSION 5  
Moderators: Tom Hazlett, Woodard & Curran  
Meghan Moody, CDM Smith

*How to Harden Your Plant—One Storm at a Time*  
– Kevin Cini, City of Groton, CT

*Alternative Project Delivery Methods for Water/Wastewater Facility Projects*  
– Todd Moline, Stantec  
– Bryan Canzoneri, Stantec

*Comparative Energy Evaluation of Nutrient Recovery Technologies as an Alternative to Traditional Fertilizers and Nutrient Removal Technologies*  
– Ranjani Theregowda, US EPA  
– Alejandra González-Mejía, Bangor University  
– Xin (Cissy) Ma, US EPA  
– Jay Garland, US EPA

*Use of Ballasted Flocculation for Phosphorus Removal to Ultra Low Levels*  
– Craig Wagner, CDM Smith  
– William Lengyel, CDM Smith  
– Walter Veselka, City of Bristol, RI  
– Dustin Payanis, City of Bristol, RI

Buffet Lunch in the Exhibit Area .......................................................... 11:30 AM – 1:30 PM

**TECHNICAL SESSION 6**  
1:30 – 4:00 PM  
Break 2:30 – 3:00 PM

**COLLECTION SYSTEMS—TOOLS FOR INSPECTION AND REHABILITATION**  
SESSION 6  
Moderators: Peter Garvey, Dewberry  
Matt Formica, AECOM

*Pump it, Grind it, Screen it—Current Best Practices in Handling Collection System Modern Trash*  
– Robert Domkowski, Xylem, Inc. – Flygt

*Using GIS to Manage and Visualize Sewer System Inspections*  
– Lindsey Donbavand, CDM Smith  
– Brittney Gibbons, CDM Smith

*Trenchless and Conventional Technologies Utilized for Installation of 5,550 Linear Feet of 30- and 40-inch Relief Sewer in Connecticut*  
– John Ososkie, Jacobs/CH2M  
– Jason Waterbury, The Metropolitan District Commission  
– Eric Muir, Jacobs/CH2M

*The Pipe Work is Done—Why Are You Still Here? (Using Sewer Separation to Leave the Neighborhood Better Than We Found It)*  
– Francis McPartlan, Kleinfelder

Operations Challenge Wrap-up & Awards (Ballroom) .......................... 4:00 – 5:00 PM

NEWEA Reception and Dinner (Rose Island)................................. 6:30 – 10:00 PM

Please check the final program for location and details

Wednesday, June 6

Speakers’ Breakfast (Scarpetta) .......................................................... 7:30 – 8:30 AM

Registration and Continental Breakfast (Ballroom Lobby) ................. 8:00 – 8:30 AM

**TECHNICAL SESSION 7 & 8**  
9:00 – 11:30

**STORMWATER MANAGEMENT FOR THE BUILT AND NATURAL ENVIRONMENT**  
SESSION 7  
Moderators: Scott Lander, Retain-It  
Helen Gordon, Environmental Partners Group

*Green Stormwater Infrastructure Parks: All Sizes, Designs and Funding Sources*  
– Julie Stein, HDR  
– Derick Tomning, HDR

*Distributed Green Stormwater Infrastructure Systems—Philadelphia, PA*  
– Bernadette Callahan, Stantec

*National Green Infrastructure Certification Program*  
– Adriana Caldarelli, Water Environment Federation

*Matrix Approach to Stormwater Management for a Resilient Built Environment*  
– Margaret Kurth, US Army Corps of Engineers  
– Igor Linkov, US Army Corps of Engineers  
– Cate Fox-Lent, US Army Corps of Engineers

**UTILITY MANAGEMENT—EFFICIENCY IS KEY**  
SESSION 8  
Moderators: Miles Moffatt, Tighe & Bond  
Charlie Tyler, MWRA (retired)

*Utilizing Enterprise Data Management Systems to Enhance Operation Efficiency*  
– Brett Milburn, Langan Engineering & Environmental Services  
– Ricardo Ceballos, Greater New Haven WPCA

*Optimizing Operations Through Small Investments and Human Capital*  
– Robert Pontau, Brunswick Sewer District

*The $25M Upgrade to the Middleborough Water Pollution Control Facility – From the Owner and Owner’s Project Manager Perspective*  
– Paul Millett, Environmental Partners Group  
– Chris Peck, Town of Middleborough, MA

*Integrating Asset Management Principals and Emergency Preparedness to Assess Risk*  
– Corinne Ketchum, Arcadis  
– Marc Delzio, Arcadis  
– Kevin Slaven, Arcadis  
– Andrew Ohrt, Arcadis

Box Lunch ......................................................................................... Noon
### Presenters

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<thead>
<tr>
<th>PRESENTER</th>
<th>AFFILIATION</th>
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<tr>
<td>Dan Boudreau</td>
<td>Geosyntec</td>
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<td>Todd Brown</td>
<td>University of Hartford</td>
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<td>Adriana Caldarelli</td>
<td>Water Environment Federation</td>
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<td>Bernadette Callahan</td>
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<td>Bryan Canzoneri</td>
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<td>Ken Carlson</td>
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<td>Lindsey Donbavand</td>
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<td>Eamon Duane</td>
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<td>Cate Fox-Lent</td>
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### Moderators

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<td>Elena Proakis Ellis</td>
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<td>Julie Stein</td>
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<td>Elizabeth Stone</td>
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<td>Ranjani Theregowda</td>
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<td>Derick Tonning</td>
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# Operations Challenge

**SUNDAY, JUNE 3**
- **Set-up Equipment – Maintenance Event** / 1:00 – 3:00 PM
- **Maintenance Event Practice** / 3:00 – 7:00 PM

**MONDAY, JUNE 4**
- **Set-up Equipment** / 8:00 – 11:00 AM
- **Lunch** / 11:45 AM – 1:00 PM / on your own
- **Competition Review** / 9:30 – 10:30 AM
- **Process Control Event** / 10:30 – 11:00 AM
- **Reception** / 6:00 – 7:30 PM

**TUESDAY, JUNE 5**
- **Event Coordinators & Judges Meeting** / 8:00 – 8:30 AM
- **Team Sign In** / 8:30 – 9:00 AM
- **Operations Challenge Events** / 8:00 – 11:30 AM
- **Buffet Lunch** / 11:30 AM – 1:30 PM
- **Awards Ceremony** / 4:00 PM
- **Reception & Dinner** / 6:30 PM

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# Meetings

**SUNDAY, JUNE 3**
- **Executive Committee Meeting**
  1:00 PM / Brenton Hall
- **Assessment & Development Committee**
  4:30 PM / Restaurant

**MONDAY, JUNE 4**
- **Awards Committee**
  10:00 AM / Jamestown
- **Laboratory Practices Committee**
  11:30 AM / Astor
- **Watershed Management Committee**
  Noon / Jamestown
- **Public Education Committee**
  12:30 PM / Restaurant
- **Laboratory Practices Exam Sub-Committee**
  3:30 PM / Astor

**TUESDAY, JUNE 5**
- **Innovation Task Force**
  11:00 AM / Jamestown
- **ASA Presidents and State Directors**
  2:00 PM / Aquidneck
- **Government Affairs Committee**
  3:30 PM / Aquidneck
### NEWEA 2018 EXECUTIVE COMMITTEE

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Janine Burke-Wells</td>
</tr>
<tr>
<td>President Elect</td>
<td>Raymond Vermette</td>
</tr>
<tr>
<td>Vice President</td>
<td>Jennifer Kelly Lachmayr</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Priscilla Bloomfield</td>
</tr>
<tr>
<td>Past President (Management Review)</td>
<td>James Barsanti</td>
</tr>
<tr>
<td>WEF Delegate (10/15)</td>
<td>Susan Sullivan</td>
</tr>
<tr>
<td>WEF Delegate (10/16)</td>
<td>Frederick McNeill</td>
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<tr>
<td>WEF Delegate (10/17)</td>
<td>Matthew Formica</td>
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<tr>
<td>WEF Delegate (10/18)</td>
<td>Susan Guswa</td>
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</tbody>
</table>

### State Directors

- **Connecticut**: Virgil Lloyd
- **Maine**: Clayton "Mac" Richardson
- **Massachusetts**: Justin deMello
- **New Hampshire**: Sean Greig
- **Rhode Island**: Scott Goodinson
- **Vermont**: Chris Robinson

### Council Directors

<table>
<thead>
<tr>
<th>Category</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collection Systems/Water Resource</td>
<td>John Digiacomo</td>
</tr>
<tr>
<td>Communications</td>
<td>Meg Tabacsko</td>
</tr>
<tr>
<td>Meeting Management</td>
<td>Elena Proakis Ellis</td>
</tr>
<tr>
<td>Outreach</td>
<td>Justin Skelly</td>
</tr>
<tr>
<td>Treatment, Systems, Operations, &amp; Management</td>
<td>Marylee Santoro</td>
</tr>
<tr>
<td>Executive Director</td>
<td>Mary Barry</td>
</tr>
</tbody>
</table>

### NEWEA 2018 COUNCILS

#### Communications Council
- **Journal Committee**: Joseph Boccadoro
- **Newsletter Committee**: Ashley Dunn
- **Public Awareness Committee**: Katelyn Biedron
- **Website Committee**: Robert Musci

#### Treatment, Systems Operations, & Management Council
- **Asset Management Committee**: John Rogers
- **Energy Committee**: Denise Breiteneicher
- **Laboratory Practices Committee**: James Galasyn
- **Microconstituents Committee**: Rachel Watson
- **Operations Challenge Committee**: Travis Peaslee
- **Plant Operations Committee**: Thomas Hazlett
- **Residuals Management Committee**: Natalie Sierra
- **Small Community Committee**: Kurt Mailman
- **Utility Management Committee**: Gary Zrelak

#### Collection Systems/Water Resource Council
- **Collection Systems Certification Committee**: Gregory Kidd
- **Collection Systems Committee**: Peter Garvey
- **CSO/Wet Weather Issues Committee**: Ivonne Hall
- **Industrial Wastewater Committee**: Sarah White
- **Stormwater Committee**: Angela Blanchette
- **Sustainability Committee**: Courtney Eaton/Robert Montenegro
- **Water Reuse Committee**: Nicholas Ellis
- **Watershed Management Committee**: Jennifer Johnson

#### Outreach Council
- **Government Affairs Committee**: Robert Fischer
- **Humanitarian Assistance and Grants Committee**: Tim Vivian
- **Membership Committee**: David Archard
- **Public Education Committee**: Geraldine Ciardelli/Leonard Young
- **Safety Committee**: David Wright
- **Scholarships Committee**: Udayarka Karra
- **Student Activities Committee**: Nicholas Tooker
- **Water for People Committee**: Renie Jesanis
- **Young Professionals Committee**: Ben Stoddard

- * Ad hoc
Guest Program

MONDAY, JUNE 4

Breakfast
8:00 – 9:00 AM (Scarpetta)

Golf Tournament
Join us at the Green Valley Country Club as we tee off as part of a “Shotgun” start with numerous prizes. Separate registration required, $110 per person.

NEWEA Reception
6:00 – 7:30 PM (Ballroom)
Join us at the NEWEA Reception and SSSSS Induction Ceremony in the Spring Meeting Exhibit Area.

TUESDAY, JUNE 5

Please contact Joy Lord for questions regarding this event—207-353-6593

Breakfast
7:30 – 8:30 AM (Scarpetta)
Meet for continental breakfast before the day’s activities

Guest Tour and Program
8:30 AM – 3:00 PM • Coordinator: Joy Lord

Rough Point Tour
Rough Point was completed in 1891 for Frederick William Vanderbilt. It was purchased by James Duke in 1922. Upon his death in 1925, he left the estate to his daughter, Doris (age 12). In 1968, she established the Newport Restoration Foundation—credited with restoring 83 buildings. Rough Point has stayed mainly untouched since her death in 1993. The house furnishings span seven decades, and include artwork by Renoir, Flemish tapestries and oriental porcelains. The second part of our tour will feature the landscape and gardens—developed in the 1890s by Frederick Law Olmsted. Lunch will follow.

Operations Challenge Awards Reception
4:00 PM (Ballroom)

Reception & Dinner
6:30 – 10:00 PM (Rose Island)

Spring Meeting Exhibitors

<table>
<thead>
<tr>
<th>ADS Environmental</th>
<th>IPEX USA LLC</th>
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<tbody>
<tr>
<td>ACF Environmental</td>
<td>LMK Technologies</td>
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<tr>
<td>CUES</td>
<td>Lystek International, Inc.</td>
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<tr>
<td>Duke’s Root Control</td>
<td>Mechanical Solutions, Inc.</td>
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<td>EST Associates, Inc.</td>
<td>StormTrap</td>
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<tr>
<td>Flow Assessment Services LLC</td>
<td>Tencate Geotube</td>
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<tr>
<td>IDEXX Laboratories, Inc.</td>
<td>Theia LLC</td>
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<td>ILC Dover</td>
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Spring Meeting Planners

<table>
<thead>
<tr>
<th>Conference Arrangements</th>
<th>Operations Challenge</th>
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</thead>
<tbody>
<tr>
<td>Ron Tiberi</td>
<td>Travis Peaslee</td>
</tr>
<tr>
<td>Program</td>
<td>Guest Program</td>
</tr>
<tr>
<td>Amy Anderson</td>
<td>Joy Lord</td>
</tr>
<tr>
<td>Registration</td>
<td>Meeting Management Director</td>
</tr>
<tr>
<td>Kerry Reed</td>
<td>Elena Proakis Ellis</td>
</tr>
<tr>
<td>Exhibits</td>
<td>Golf Tournament/Sponsors</td>
</tr>
<tr>
<td>Paul P. Casey</td>
<td>Dennis Vigliotte</td>
</tr>
</tbody>
</table>
The federal and state regulatory environment on wet weather flow challenges continues to change, sometimes creating overlapping enforcement requirements on CSOs, stormwater, sanitary sewer overflows (SSOs), and collection system capacity, management, operation, and maintenance (CMOM) as mechanisms to achieve water quality goals. In addition, climate change and the resiliency of systems to protect against it continues to be an emerging hot topic.

To respond to the complex variety of wet weather and water quality challenges, some communities are developing integrated plans for capital improvements programs to address municipal stormwater, wastewater treatment, conveyance system, and CSO abatement objectives.

This two-day conference is an opportunity to share our national and regional working knowledge and experience to discuss these changes and how to meet these challenges.

Exhibit opportunities will be available. Watch for registration information.
Conference Sponsors

ADS Environmental Services
AECOM
AllMax Software, Inc.
Aqua Solutions
Arcadis
Black & Veatch
Brown and Caldwell
CDM Smith
David F. Sullivan & Associates
Dewberry
Duke’s Root Control
Environmental Partners Group
EST Associates
Flow Assessment Services
Fuss & O’Neill
GHD
Green Mountain Pipeline Services
Hayes Pump
Hazen and Sawyer
Hoyle, Tanner & Associates, Inc.
Jacobs/CH2M
Kleinfelder
Lystek International, Inc.
NEFCO
Nitsch Engineering
Stantec
SUEZ
Synagro Northeast
Tata & Howard
Ted Berry Company
Tetra Tech
The MAHER Corporation
Tighe & Bond
Weston & Sampson
Woodard & Curran
Wright-Pierce