

FINAL CONFERENCE PROGRAM



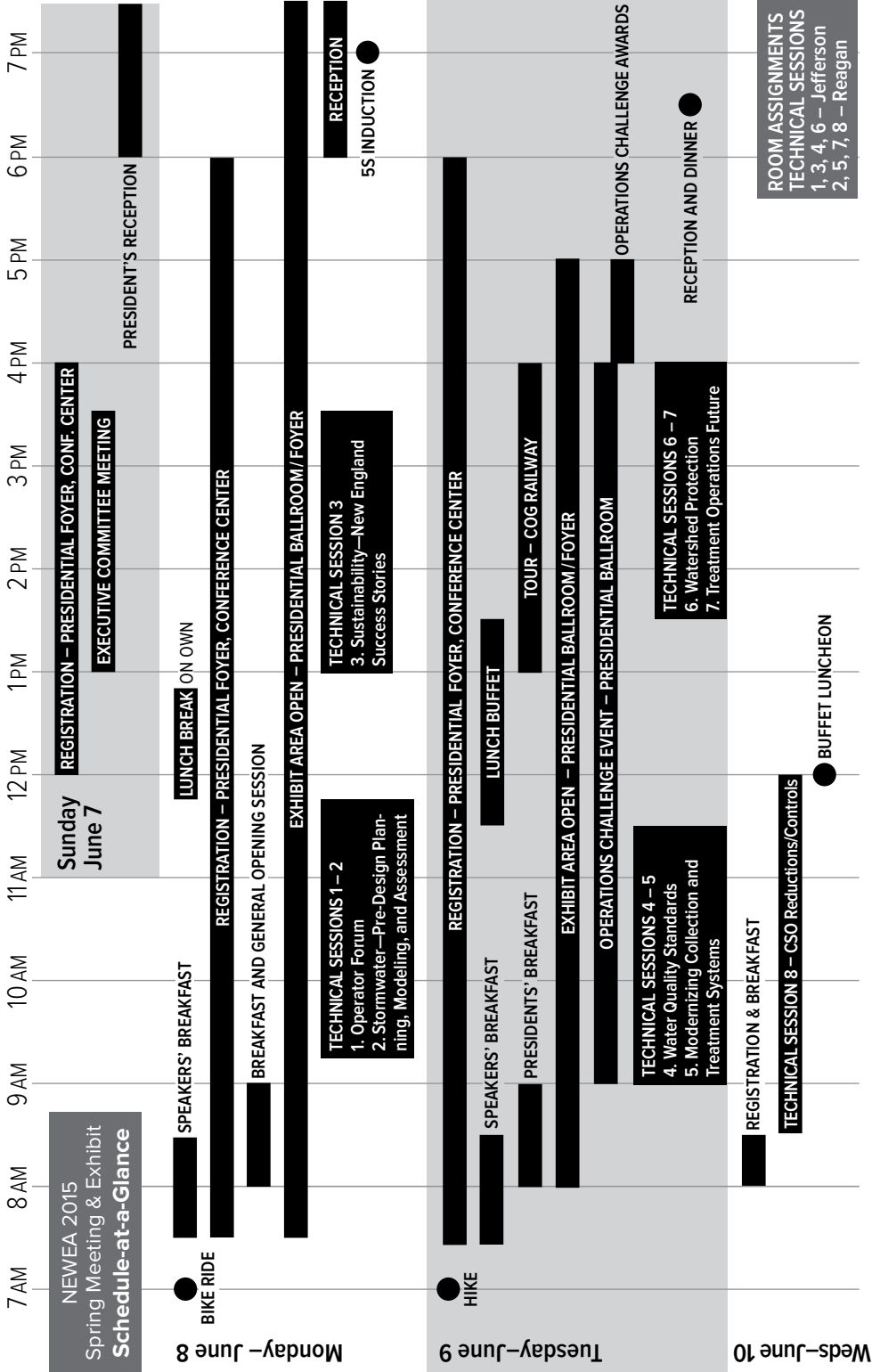
It's prime time.



NEW ENGLAND WATER ENVIRONMENT ASSOCIATION PRESENTS:

## NEWEA 2015 Spring Meeting & Exhibit

June 7 – 10 | Omni Mount Washington Resort, Bretton Woods, New Hampshire  
Co-sponsor New Hampshire Water Pollution Control Association



**NEWEA 2015  
Spring Meeting & Exhibit  
Schedule-at-a-Glance**

**Sunday  
June 7**  
REGISTRATION – PRESIDENTIAL FOYER, CONF. CENTER  
EXECUTIVE COMMITTEE MEETING  
PRESIDENT'S RECEPTION

**LUNCH BREAK ON OWN**  
REGISTRATION – PRESIDENTIAL FOYER, CONFERENCE CENTER  
BREAKFAST AND GENERAL OPENING SESSION  
EXHIBIT AREA OPEN – PRESIDENTIAL BALLROOM/FOYER  
TECHNICAL SESSIONS 1 – 2  
1. Operator Forum  
2. Stormwater—Pre-Design Planning, Modeling, and Assessment  
TECHNICAL SESSION 3  
3. Sustainability—New England Success Stories  
RECEPTION  
5S INDUCTION

REGISTRATION – PRESIDENTIAL FOYER, CONFERENCE CENTER  
LUNCH BUFFET  
SPEAKERS' BREAKFAST  
PRESIDENTS' BREAKFAST  
TOUR – COG RAILWAY  
EXHIBIT AREA OPEN – PRESIDENTIAL BALLROOM/FOYER  
OPERATIONS CHALLENGE EVENT – PRESIDENTIAL BALLROOM  
OPERATIONS CHALLENGE AWARDS  
TECHNICAL SESSIONS 4 – 5  
4. Water Quality Standards  
5. Modernizing Collection and Treatment Systems  
RECEPTION AND DINNER  
TECHNICAL SESSIONS 6 – 7  
6. Watershed Protection  
7. Treatment Operations Future

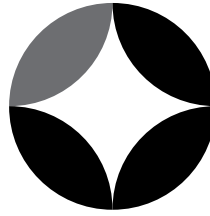
REGISTRATION & BREAKFAST  
TECHNICAL SESSION 8 – CSO Reductions/Controls  
BUFFET LUNCHEON  
ROOM ASSIGNMENTS  
TECHNICAL SESSIONS  
1, 3, 4, 6 – Jefferson  
2, 5, 7, 8 – Reagan

# NEWEA 2015 Spring Meeting & Exhibit

June 7–10

OMNI MOUNT WASHINGTON RESORT  
BRETTON WOODS, NEW HAMPSHIRE

Co-sponsor  
New Hampshire Water  
Pollution Control Association



**NEWEA**  
WORKING FOR WATER QUALITY

## Conference Events

### SUNDAY, JUNE 7

**Registration**—Presidential Foyer, Conference Center 12:00–4:00 PM

**Executive Committee Meeting**—Grand Ballroom North 1:00 PM

**President's Reception**—South Veranda (weather permitting) 6:00–7:30 PM

### MONDAY, JUNE 8

**Morning Bike Ride**—meet outside hotel lobby 7:00–8:30 AM  
Coordinator: Jennifer Lachmayr, ARCADIS

Join the NEWEA cyclists for an informal bike ride. The pace is moderate but not competitive and all are welcome. There is no fee to participate.

**Speakers' Breakfast**—Stickney's Restaurant 7:30–8:30 AM

**Registration**—Presidential Foyer, Conference Center 7:30 AM–6:00 PM

**Breakfast & General Opening Session**—Presidential Ballroom 8:00–9:00 AM

Moderator: Jessica Cajigas, NEWEA Program Committee Chair,  
Comprehensive Environmental, Inc.

Welcome: Matt Formica, NEWEA President, AECOM

**Featured Speaker: Tom Burack.** As Commissioner of the NH Dept. of Environmental



Services since November, 2006, Tom has focused on achieving excellence in customer service, becoming more efficient, building partnerships and addressing NH's environmental challenges. These include a changing climate, transitioning to a clean energy economy, and ensuring long-term stewardship of the state's precious natural resources. Tom has held numerous leadership roles in state, regional and national efforts to address environmental issues, and believes that a healthy environment and a strong economy go hand-in-hand.

**Immediately following the Featured Speaker: Peter Grose,** Chair of Government Affairs, will update the membership on the April 14–15 Washington Fly-In, highlighting NEWEA's mission to our nation's capitol, including our Congressional Briefing and meetings with our federal legislators.

**Exhibit Area Open**—Presidential Ballroom 7:30 AM–7:30 PM

**MONDAY, JUNE 8****TECHNICAL SESSIONS 1 & 2****9:15-11:45 AM**  
*Break 10:15-10:45 AM***OPERATOR FORUM—A NEW HAMPSHIRE PERSPECTIVE**SESSION 1  
JeffersonModerators: Peter Goodwin, President NHWPCA  
Tim Vadney, Wright-Pierce

This Panel Discussion will address current industry issues such as NPDES permitting, aging workforce, funding, and preventative maintenance, and will include representatives from four New Hampshire municipalities who will share their innovative approaches and operations for dealing with each issue.

Panelists Include:

- Ray Vermette, City of Dover, NH
- Donna Hanscom, City of Keene, NH
- David P. Bernier, North Conway, NH Water Precinct
- Fred McNeill, City of Manchester, NH

**STORMWATER—PRE-DESIGN PLANNING, MODELING, AND ASSESSMENT**SESSION 2  
ReaganModerators: Patricia Passariello, Weston & Sampson  
Scott Firmin, Portland Water District**CMOM in the Rain—How Portland Is Applying CMOM to Drainage System Assets**

– Barry Sheff, Woodard &amp; Curran; Megan McDevitt, Woodard &amp; Curran; and Nancy Gallinaro, City of Portland, ME

**Fine Sediment Treatment Pilot Test on Stormwater**

– Russell Parkman, GZA GeoEnvironmental, Inc.

**Groundwater Models Gone Green: Using 2D Models to Improve Green Stormwater Infrastructure Design**

– Laurie Kellendorfer, CDM Smith; Matthew Gamache, CDM Smith; and Jason Cruz, Philadelphia Water Department

**Financial Capability Assessment in the New EPA Framework**

– David VanHoven, MWH; Greg Baird, MWH

**Lunch Break**—On Own

11:45 AM

**TECHNICAL SESSION 3****1:00-3:30 PM**  
*Break 2:00-2:30 PM***SUSTAINABILITY—NEW ENGLAND SUCCESS STORIES**SESSION 3  
Jefferson

Moderators: Scott Lander, Retain-It

Jessica Cajigas, Comprehensive Environmental Inc.

**Energy Efficiency to Energy Sustainability to Net Zero Energy User**

– Richard Weare, Greater Lawrence Sanitary District

**Blower Replacement Reduces Shelton WPCF Electric Bill by Over 20%**

– Matthew Jermin, Fuss &amp; O'Neill; Garritt Ogden, City of Shelton, CT

**Energy Savings at the City of Montpelier Water Resource Recovery Facility**

– Robert Fischer, City of Montpelier, VT WRRF

**“A Gallon Saved is a Penny Earned”—A Case Study in Savings and Sustainability by Water Recycling and Reuse at an Industrial Facility**

– Ronald Burns, CHA Consulting; Michael Glinski, Twin Rivers Technologies; and Douglas Urquhart, CHA Consulting

**MONDAY, JUNE 8****Spring Meeting Welcome Reception**  
(tickets required)6:00-7:30 PM  
Presidential Ballroom**Select Society of Sanitary Sludge Shovelers (5S) Induction Ceremony** 7:00 PM

Influent Integrator Charles W. Tyler will induct eight new members into the Select Society of Sanitary Sludge Shovelers: Priscilla Bloomfield, CH2M; Janine Burke, Warwick Sewer Authority; Helen Gordon, Woodard & Curran; Thomas Groves, NEIWPCC; Frank Occhipinti, Weston & Sampson Engineers; Susan Sullivan, NEIWPCC; Raymond Willis, Onsite Engineering, Inc.; and Leonard Young, MWRA

Presidential Ballroom

**TUESDAY, JUNE 9****Morning Hike**—meet in hotel lobby

7:00-8:00 AM

Coordinators: Anastasia Rudenko, GHD and Justin Skelly, Tighe &amp; Bond

Join the NEWEA Water for People and Young Professionals for a morning hike/walk in support of Water for People's Spring Campaign. The hour-long hike/walk will leave from the Mt. Washington Hotel and offers a chance to explore the natural beauty of the region, including breathtaking views of Mount Washington. All participants will be provided with water, power bars and a tee shirt. The entry fee for this fundraiser is \$20.00 per person, and all proceeds go to benefit Water For People; be sure to sign up with registration.

**Speakers' Breakfast**—Stickney's Restaurant

7:30-8:30 AM

**Registration**—Presidential Foyer, Conference Center

7:30 AM-5:00 PM

**Presidents' Breakfast**—Stickney's Restaurant

8:00-9:00 AM

**Exhibit Area Open**—Presidential Ballroom

8:00 AM-5:00 PM

**Operations Challenge Event**—Presidential 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 September.

(see page 9 for complete schedule and locations)



**TUESDAY, JUNE 9****TECHNICAL SESSIONS 4 & 5**9:00–11:30 AM  
Break 10:00–10:30 AM**INSIGHTS INTO MEETING WATER QUALITY STANDARDS**SESSION 4  
JeffersonModerators: Lauren Hertel, Stantec  
Thomas Loto, Kleinfelder***The Significance of Reporting Methodologies in Stringent Phosphorus NPDES Permits***

– Elena Proakis Ellis, CDM Smith

***New Ultra-low Metals and Nutrient NPDES Permit Limits***

– Douglas Corb, U.S. EPA Region 1

***CT MS4 Regulations—Proposed Changes and Community Impacts***

– Lori Carriero, Tighe &amp; Bond

***Redefining the Clean Water Act on Cape Cod***– Erin Perry, Cape Cod Commission  
Kristy Senatori, Cape Cod Commission  
Paul Niedzwiecki, Cape Cod Commission  
Philip “Jay” Detjens, Cape Cod Commission**MODERNIZING COLLECTION AND TREATMENT SYSTEMS**SESSION 5  
ReaganModerators: Susan Guswa, Tighe and Bond  
Peter Goodwin, Consultant***2014—A CMOM Odyssey—Modernizing New Bedford’s CMOM and Asset Management Programs***

– Shawn Syde, CDM Smith; Ronald Labelle, James Ricci, and Zeb Arruda, City of New Bedford, MA

***Clarifiers: Making What We Have Work Better!***

– John Esler, Clarifier Performance Evaluations, Inc.

***Minor Changes Resulting in Major Improvements to the Sewer System***– Vinta Varghese, CH2M; Dingfang Liu, CH2M; and  
Bruce Kirkland, Greater New Haven WPCA***A Model for the Future—The Mattabassett District WPCF Upgrade***

– William Hankins, Wright-Pierce; Brian Armet, The Mattabassett District

**Buffet Lunch** in the Exhibit Area—Presidential Ballroom  
(ticket required)

11:30 AM–1:30 PM

**FACILITY TOUR**

1:00–4:00 PM

**Cog Railway to Mt. Washington WWTP**Meet at Mt. Washington Cog Railway Base by 1:00 PM  
(see pages 11 for complete tour details)**TUESDAY, JUNE 9****TECHNICAL SESSIONS 6 & 7**1:30–4:00 PM  
Break 2:30–3:00 PM**STORMWATER—DESIGNS FOR WATERSHED PROTECTION**SESSION 6  
JeffersonModerators: Charles Wilson, Hazen and Sawyer  
Ed Rushbrook, Process Analysts***Integrated Planning in the Exeter/Squamscott Watershed: New Flexibility Brings New Opportunities***– Renee Bourdeau, Geosyntec; Robert Roseen, Geosyntec Consultants;  
Alison Watts, University of New Hampshire; and Paul Stacey, GBNERRS***BMP Site Suitability in Boston***

– Chelsea Durante, CH2M

***Crosby Brook (Putney Road) Restoration Study Project***

– Ben Lundsted, Comprehensive Environmental Inc.

***Protect the Pond! Restoring an Urban Watershed using Green Infrastructure and Public Outreach***

– Jennifer Johnson and Scott Turner, Nitsch Engineering

**PREPARING FOR THE FUTURE IN TREATMENT OPERATIONS**SESSION 7  
ReaganModerators: Joseph Kietner, City of Chicopee, MA  
John Jackman, Hoyle, Tanner & Associates***Your Sampling Practices May Be Costing Your Facility Millions!***

– Ricardo Cantu, City of Manchester, NH

***Research, Regulations, Product Quality, & the Media: Biosolids in 2015***

– Deborah Mahoney, Hazen and Sawyer; Ned Beecher, NEBRA

***Pilot-Testing Coupled with Computer Modeling Produces Improved Land-Application Design for the MFN Regional Wastewater District***– Robert Schreiber, CDM Smith; Frances Bui, Buvana Ramaswamy, and  
David Young, CDM Smith***Wastewater Infrastructure Climate Change Adaptation: What wastewater managers need to know to respond to flooding, sea level rise and storm surge***– John Braccio, Wright-Pierce; Jonathan Edgerton, Paul Birkel, and  
Ryan Wingard, Wright-Pierce**Operations Challenge Wrap-up and Awards Presentation**4:00–5:00 PM  
Presidential Ballroom**NEWEA Reception and Dinner**Join us for a New England Fare  
(ticket required)Reception: 6:30–7:30 PM  
Dinner: 7:30 PM  
Jewell Terrace (weather permitting)

**WEDNESDAY, JUNE 10**

**Registration & Continental Breakfast** 8:00–8:30 AM  
 Presidential Foyer, Conference Center

**TECHNICAL SESSION 8 (SUPER SESSION) 8:30 AM–NOON**  
*Break 10:00–10:30 AM*

**CSO REDUCTIONS—LONG-TERM CONTROLS** SESSION 8  
 Moderators: James Riordan, ESS Group Reagan  
 Ken Carlson, Woodard and Curran

**City of Seattle, Seattle Public Utilities Integrated Plan**  
 – Eric Strecker, Geosyntec

**Mini-Basin Metering to Quickly Isolate Sources of RDII in Bear Brook**  
 – Howard Carter, City of Saco, ME; Michael Armes and  
 Patrick Stevens, ADS Environmental Services

**A Unique Gravity-in/Gravity-out Facility Provides Effective CSO Treatment**  
 – Frank Ayotte, Hazen and Sawyer; Charles Wilson, Hazen and Sawyer;  
 Amy Prouty-Gill and Jeanne Walker, City of Nashua, NH

**A Customized Approach to Sewer System Rehabilitation Program—Lateral Lining in Westwood, MA**  
 – Marina Fernandes, CDM Smith; Jeffrey Bina, Todd Korchin, and  
 Richard Barry, Town of Westwood, MA

**Optimizing CSO Reduction Through The Shuffled Frog Leaping Algorithm**  
 – Greg Brenner, CH2M; Dingfang Liu, Andrew Erikson, and  
 Vinta Varghese, CH2M

**Acoustics for Wastewater—What You Can Learn in 3 Minutes Will Save You Thousands in SSO's!**  
 – Mark French, Wachs Water Services

**Buffet Luncheon** NOON  
 Jefferson



# Presenters

Name	Affiliation	Session
Michael Armes	ADS Environmental Services	8
Brian Armet	The Mattabassett District	5
Zeb Arruda	City of New Bedford, MA	5
Frank Ayotte	Hazen and Sawyer	8
Greg Baird	MWH	2
Richard Barry	Town of Westwood, MA	8
Ned Beecher	NEBRA	7
David Bernier	North Conway Water Precinct	1
Jeffrey Bina	Town of Westwood, MA	8
Paul Birkel	Wright-Pierce	7
Renee Bourdeau	Geosyntec Consultants	6
John Braccio	Wright-Pierce	7
Greg Brenner	CH2M	8
Kevin Buckley	Seattle Public Utilities	8
Frances Bui	CDM Smith	7
Ronald Burns	CHA Consulting	3
Ricardo Cantu	City of Manchester, NH	7
Lori Carriero	Tighe & Bond	4
Howard Carter	City of Saco, ME	8
Douglas Corb	US EPA Region 1	4
Jason Cruz	Philadelphia Water Department	2
Phillip "Jay" Detjens	Cape Cod Commission	4
Chelsea Durante	CH2M	6
Jonathan Edgerton	Wright-Pierce	7
Andrew Erikson	CH2M	8
John Esler	Clarifier Performance Evaluations	5
Marina Fernandes	CDM Smith	8
Robert Fischer	City of Montpelier, CT	3
Mark French	Wachs Water Services	8
Nancy Gallinaro	City of Portland, ME	2
Matthew Gamache	CDM Smith	2
Michael Gliński	Twin Rivers Technologies, Inc.	3
William Hankins	Wright-Pierce	5
Donna Hanscom	City of Keene, NH	1
Matthew Jermine	Fuss & O'Neill, Inc.	3
Jennifer Johnson	Nitsch Engineering, Inc.	6
Laurie Kellendorfer	CDM Smith	2
Bruce Kirkland	Greater New Haven WPCA	5
Todd Korchin	Town of Westwood, MA	8
Ronald Labelle	City of New Bedford, MA	5
Dingfang Liu	CH2M	5, 8
Ben Lundsted	Comprehensive Environmental Inc.	6
Deborah Mahoney	Hazen and Sawyer	7
Megan McDevitt	Woodard & Curran	2
Fred McNeill	City of Manchester, NH	1

Mike Milne .....	Brown and Caldwell.....	8
Paul Niedzwiecki .....	Cape Cod Commission .....	4
Garritt Ogden.....	City of Shelton, CT .....	3
Russell Parkman .....	GZA GeoEnvironmental, Inc. ....	2
Erin Perry.....	Cape Cod Commission .....	4
Elena Proakis Ellis .....	CDM Smith.....	4
Amy Prouty-Gill .....	City of Nashua, NH.....	8
James Ricci .....	City of New Bedford, MA .....	5
Robert Roseen .....	Geosyntec Consultants .....	6
Robert Schreiber .....	CDM Smith.....	7
Kristy Senatori .....	Cape Cod Commission .....	4
Robert Schreiber .....	CDM Smith.....	7
Barry Sheff.....	Woodard & Curran .....	2
Paul Stacey.....	GBNERRS.....	6
Patrick Stevens .....	ADS Environmental Services.....	8
Eric Strecker.....	Geosyntec .....	8
Shawn Syde.....	CDM Smith.....	5
Scott Turner.....	Nitsch Engineering, Inc.....	6
Douglas Urquhart.....	CHA Consulting .....	3
David VanHoven .....	MWH.....	2
Vinta Varghese .....	CH2M .....	5, 8
Ray Vermette .....	City of Dover, NH.....	1
Jeanne Walker .....	City of Nashua, NH.....	8
Alison Watts.....	University of New Hampshire.....	6
Richard Weare.....	Greater Lawrence Sanitary District.....	3
Charles Wilson .....	Hazen and Sawyer.....	8
Ryan Wingard .....	Wright-Pierce .....	7
David Young.....	CDM Smith.....	7

## Moderators

Name	Affiliation	Session
Jessica Cajigas .....	Comprehensive Environmental, Inc.....	Opening Session, 1
Ken Carlson.....	Woodard & Curran .....	8
Scott Firmin .....	Portland Water District .....	2
Peter Goodwin .....	Consultant.....	1, 5
Susan Guswa.....	Tighe & Bond.....	5
Lauren Hertel.....	Stantec.....	4
John Jackman .....	Hoyle, Tanner & Associates .....	7
Joseph Kietner.....	City of Chicopee, MA .....	7
Scott Lander.....	Retain-It.....	3
Thomas Loto .....	Kleinfelder.....	4
Patricia Passariello .....	Weston & Sampson .....	2
James Riordan .....	ESS Group .....	8
Ed Rushbrook.....	Process Analysts .....	6
Tim Vadney .....	Wright-Pierce .....	1
Charles Wilson .....	Hazen and Sawyer.....	6

## Operations Challenge

Unless otherwise stated all events will take place in the Exhibit Area—Presidential Ballroom

### MONDAY, JUNE 8

Equipment Set-up	8:00 AM–Noon
Operations Challenge Review	1:30–2:30 PM
Process Control Written Test	3:00 PM

### TUESDAY, JUNE 9

Event Coordinators & Judges Meeting	8:00 AM
Team Sign In	8:30 AM
Operations Challenge Event	9:00 AM–4:00 PM
Buffet Lunch	11:30 AM–1:30 PM
Awards Presentation	4:00 PM

## Meetings

### SUNDAY, JUNE 7

Executive Committee Meeting.....	1:00 PM .....	Ballroom North
Government Affairs Committee.....	3:30 PM .....	Ballroom North

### MONDAY, JUNE 8

Lab Practices Committee.....	11:00 AM .....	Ammonoosuc
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### WEDNESDAY, JUNE 10

Awards Committee .....	11:00 AM .....	Monroe
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### Spring Meeting Planners

Meeting Management Director  
**Meg Tabacsko**  
 Conference Arrangements  
**Ron Tiberi**  
 Program – **Jessica Cajigas**  
 Registration – **Kate Biedron**

Exhibits – **Amy Anderson**  
 Operations Challenge  
**Michael Burke**  
 Guest Program – **Joy Lord**  
 Golf Tournament – **Peter Kibble**  
 Sponsors – **Glenn Haas**

## 2015 NEWEA OFFICERS

President	Matthew Formica	Directors:	
President Elect	Raymond Willis	Connecticut	Jay Sheehan
Vice President Council	James Barsanti	Maine	Peter Goodwin
Treasurer	Frank Occhipinti	Massachusetts	Michael Moreau
Past President (Management Review)	Bradley Moore	New Hampshire	Fred McNeill
Secretary	Gerald Potamis	Rhode Island	Michael Spring
WEF Delegates:	Howard Carter (10/12)	Vermont	Nathan Lavallee
	Michael Wilson (10/13)	Collection Systems/ Water Resource Council	Jennifer Lachmayr
	Daniel Bisson (10/14)	Meeting Management Council	Meg Tabacsko
	Susan Sullivan (10/15)	Water Resource Council	Virgil Lloyd
		Outreach Council	Jonathan Kunay
		Treatment, System, Operations and Management Council	Priscilla Bloomfield

## 2015 NEWEA COUNCILS AND COMMITTEES

<b>Vice President Council</b>	<b>Communications Council</b>
Information Technology & Automation Committee* John Trofatter	Journal Committee Helen Gordon
Public Awareness Committee* Clary Coutu	Media Relations Committee TBD
Utility Council Committee* F. Adam Yanulis	Newsletter Committee Geraldine Ciardelli
<b>Management Review Council</b>	Website Committee* Robert Musci
Assessment and Development Committee Deborah Mahoney	<b>Collection Systems/Water Resources Council</b>
Awards Committee Charles Applebee	Collection Systems Certification Committee Gregory Kidd
Bylaws Committee Douglas Miller	Collection Systems Committee John Digiacom
Committee Member	CSO/Wet Weather Issues Committee James Drake
Appreciation Committee Daniel Roop	Industrial Wastewater Committee Lisa Andrews
Nominating Committee Daniel Bisson	Stormwater Committee Virginia Roach
Sponsor Committee Glenn Haas	Sustainability Committee Elizabeth Watson
<b>Meeting Management Council</b>	Water Reuse Committee Edward Whatley
Conference Arrangements Committee Ronald Tiberi	Watershed Management Committee Philip Forzley
Exhibits Committee Amy Anderson	<b>Outreach Council</b>
Manufacturers' Representative Committee James DeLuca	Government Affairs Committee Peter Grose
Program Committee Jessica Cajigas	Humanitarian Assistance and Grants Committee Tim Vivian
Registration Committee Katelyn Biedron	Membership Committee David Archard
<b>Treatment, System Operations, and Management Council</b>	Project Delivery Alternatives Committee Michael Curtis
Asset Management Committee John Jackman	Public Education Committee Elena Proakis Ellis
Energy Committee Thomas Schwartz	Safety Committee David Aucoin
Laboratory Practices Committee Mary Lee Santoro	Scholarships Committee Nicholas Schwartz
Microconstituents Committee Brian Braginton-Smith	Student Activities Committee Annalisa Onnis-Hayden
Operations Challenge Committee Michael Burke	Water for People Committee Anastasia Rudenko
Plant Operations Committee Raymond Vermette	Young Professional Committee Justin Skelly
Residuals Management Committee Elaine Sistare	
Small Community Committee Daniel Ottenheimer	
Utility Management Committee Brian Armet	

\*ad hoc

# Facility Tour

**TUESDAY, JUNE 9**

**ALL ABOARD!**

1:00–4:00 PM

**Ride the World's First Mountain Climbing Train, the only Cog Railway East of the Rockies, to the Top of Mount Washington—the Highest Peak in New England!**

Coordinator: Peter Goodwin

Passengers will experience a sense of adventure and history on the Mount Washington Cog Railway's 3-hour guided train tour to the highest peak in the Northeast. With approximately one hour to spend at the 6,288-foot summit, you can take in the spectacular panoramic view, spanning the mountains and valleys of New Hampshire, Maine and Vermont, north into Canada, and east to the Atlantic Ocean.



The facility tour is of a 2011 5K gpd MLE treatment facility treating variable flows in extreme weather conditions. The tour also includes exploring the mountaintop community, which includes the Sherman Adams Visitors Center, Mount Washington Observatory's Weather Museum and 1853 Tip Top House.

See Registration desk for availability

### Mt. Washington Cog Railway

Just 6 miles from Rt. 302, in Bretton Woods, NH  
3168 Base Station Road  
Marshfield Station, NH  
603-278-5404  
Lat 44.270052  
Long -71.350898

**Cost:** \$30/pp (regularly \$65/pp)

**Time:** 1:00 PM at Mt. Washington Cog Railway Base and Museum

**Details:** The train will board at 1:15 PM and depart at 1:30 PM, arrive at the summit at 2:15 PM and departure starts at 3:00 PM for arrival back down the mountain by 4:00 PM. Weather conditions vary and are unpredictable; please dress accordingly.

**Directions:** The Mount Washington Cog Railway Base Road is located off Route 302 in Bretton Woods, NH

The Mount Washington Cog Railway is in a remote mountainous area that is poorly mapped by GPS services. Please follow our written directions and not what these services give you. Failure to do so may put you on the wrong side of the mountain and you will miss your train!

Please Note: Plan to arrive by 1:00 PM (30 MINUTES) before departure time to allow plenty of time for ticketing and restroom visits. All trains board 15 minutes before departure time.



# Spouse Program

Coordinator: Joy Lord

## MONDAY, JUNE 8

**Breakfast** 8:00–9:30 AM  
Join us for breakfast Stickney's Restaurant

**Golf Tournament** 11:00 PM  
Separate registration required \$125.00 pp

**Welcome Reception** 6:00–7:30 PM  
Join us at the Welcome Reception and SSSSS Induction Ceremony Presidential Ballroom

## TUESDAY, JUNE 9

**Breakfast** 7:30–8:45 AM  
Meet for continental breakfast before the day's activities Stickney's Restaurant

**Guest Tour and Program** 9:00 AM–3:00 PM  
The Mt. Washington Hotel is considered one of the Old Grand Hotels. Her history is long and vast – full of major historical events as well as many funny stories. The land it sits on was granted to Royal Governor John Wentworth and named by him for his home in Yorkshire, England. This Grand Hotel's construction began in 1900 by Joseph Stickney of New Hampshire and was completed in 1902. So, as a nod to her historical English ties, our day will be a proper Victorian "Downton" style day.

**Operations Challenge Awards Reception** 4:00 PM  
Presidential Ballroom

**Reception & Dinner** 6:30–10:00 PM  
Jewell Terrace (weather permitting)

# Spring 2015 Exhibitors

ADS Environmental Services

Brierley Associates

Burt Process Equipment

Casella Organics

CUES

Duke's Root Control Inc

Dynamic

EST Associates Inc

F.W. WEBB Co. - Process Controls Div.

Flow Assessment Services

LandTech Consultants

MAHER Corporation

Mechanical Solutions Inc

MicroC

Resource Management Inc

Retain-It LLC

Water Analytics Inc

(as of 5/29/2015)



# NEWEA 2015 Spring Meeting & Exhibit June 7-10

OMNI MOUNT WASHINGTON  
RESORT, BRETTON WOODS,  
NEW HAMPSHIRE

**Co-sponsor**  
**New Hampshire**  
**Water Pollution**  
**Control Association**



**NEWEA**  
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mail@newea.org  
www.newea.org

## Conference Sponsors

ADS Environmental Services  
AECOM  
Aqua Solutions  
ARCADIS  
BETA Group  
Black and Veatch  
Brown and Caldwell  
Carlin Contracting Company  
CDM Smith  
CH2M  
David F. Sullivan & Associates  
Dewberry  
Duke's Root Control  
Environmental Partners Group  
EST Associates  
Fay, Spofford & Thorndike  
Flow Assessment Services  
Fuss & O'Neill  
Green Mountain Pipeline Services  
Hayes Pump  
Hazen and Sawyer  
Kleinfelder  
Land Tech Consultants  
MWH  
NEFCO  
Synagro Northeast  
The MAHER Corporation  
Tighe & Bond  
Underwood Engineers  
United Water  
Weston & Sampson  
Woodard & Curran  
Wright-Pierce