

# NORTH EAST RESIDUALS & 2023 BIOSOLIDS CONFERENCE

*Overcoming Challenges to Resource Recovery*

**2023**  
SPECIALTY  
CONFERENCE  
& WORKSHOP  
SERIES



November 1–2, 2023 • The Venue at Portwalk Place, Portsmouth, NH

**B**uilding on the 2022 conference’s “solid” success, the Northeast Residuals & Biosolids Conference is returning to Portsmouth, New Hampshire, with a program that provides technical insights from a diverse group of professionals who are focused on managing biosolids and residuals in the Northeast. To enhance the approach for biosolids and residuals management in the Northeast, the program explores lessons learned from local practitioners as well as individuals in Canada and along the Atlantic seaboard. The 2023 conference will include five technical sessions, one roundtable, and numerous professional networking opportunities. Day one will start off with a tour of the City of Portsmouth’s recently reconstructed water resource recovery facility on nearby Peirce Island ([Peirce Island Wastewater Facility | City of Portsmouth](#)). The tour will be followed by two technical sessions in the afternoon and a networking reception. On day two, there will be three more technical sessions including one focused on PFAS in biosolids and more presentations on various resource recovery processes. There will be a roundtable discussion about PFAS in residuals by a panel of experts representing regulators, water resource recovery facilities, residuals managers, and researchers. Equipment and service vendors will be exhibiting at the conference to discuss upcoming projects and technological developments.

This conference is a one-stop-shop for biosolids practitioners, new and seasoned, in a glorious location! It is the must-attend event for anyone involved or interested in biosolids and residuals management in the Northeast. We look forward to seeing you in Portsmouth, NH!

## SPONSORS

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## AGENDA

### WEDNESDAY—NOVEMBER 1

**Facility Tour:** Peirce Island WWTF (see page 2)....9:30 – 11:00 AM

**NEBRA Member Meeting**..... 11:30 AM – 1:00 PM

**Registration** ..... 12:30

**Welcome Remarks** ..... 1:00

- Robert Fischer, NEWEA President, City of South Burlington, VT
- Justin Motta, Chair, NEWEA Residuals & Biosolids, Stantec

**Regionalization and Biosolids Planning**..... 1:15

**The Quebec Moratorium on US Residuals: Lessons Learned**

- Nic Leblanc, Englobe

**Regional Biosolids Solution are Tough, but they can Work if Done Correctly**

- Jim Dunbar, Lystek International

*Break*..... 2:15

**Biosolids End Use** ..... 2:45 – 4:15

**One Stone Two Birds: Insights from New Legislation and Rules for Biogas Produced Renewable Energy**

- Michael McWhirter, Stantec

**Where’s the Feedstock and how much is out there?**

- Nick Kuzmyak, CDM Smith

**Opportunities for Biosolids and Residuals in the Carbon Market**

- Lise LeBlanc, LP Consulting

**Reception**..... 4:15 – 5:30

### THURSDAY—NOVEMBER 2

**Registration & Continental Breakfast** ..... 8:00 AM

**Welcome Remarks** ..... 8:45

- Deborah Mahoney, NEBRA President, Brown and Caldwell
- Janine Burke-Wells, NEBRA Executive Director

**PFAS Treatment in Biosolids** ..... 9:00 – 10:00

**High Temperature Pyrolysis (HTP) for Biosolids PFAS Elimination: Pilot Test Results and Process Review**

- Andrew Friedenthal, Char Technologies

**Can PFAS be Cost Effectively Treated?**

- Eric Spargimino, CDM Smith

*Break*..... 10:00

**PFAS in Biosolids Round Table** ..... 10:30-11:30

Moderator: Janine Burke-Wells, NEBRA Executive Director

- Mickey Nowak, MAWEA
- Tess Richman, EPA (*invited*)
- Natalie Sierra, Brown and Caldwell
- Dr. James Malley, UNH
- Patrick Ellis, Casella

*Lunch*..... 11:30

**Thermal Drying for Pellets**

**Harnessing the Power of Dried Biosolids – More than a Decade of Experience**..... 12:30

- Terry Goss, AECOM

**A Novel Method to Quantify Biosolids Drying Properties**..... 1:00

- Vanessa Borkowski, Stantec

*Break*..... 1:30

**Thermal Hydrolysis and Co-Digestion** ..... 2:00-3:00

**Use of Thermal Hydrolysis Enhance Options for Co-Digestion**

- Bill Barber, Cambi

**The Addition of FOG to Thermal Hydrolysis: Experiences of Hampton Roads Sanitation District’s Atlantic Treatment Plant**

- Christopher Muller, Brown and Caldwell

**Closing Remarks** ..... 3:00

- Janine Burke-Wells, NEBRA Executive Director

**REGISTER ONLINE:** <https://www.newea.org/register/>

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## Tour of City of Portsmouth's Peirce Island WWTF

This year's tour will feature the Award-winning major upgrades to the City of Portsmouth's wastewater treatment facility on Peirce Island. Peirce Island is designed to handle wet weathers flows up to 22 MGD. The facility discharges to the Great Bay estuary and is subject to stringent nutrient and other pollutant limits. The facility is physically constrained by its island location. The design incorporated numerous sustainability and resiliency features. The upgrades included rehabilitating grit removal/handling, installing new gravity sludge thickeners, constructing a new solids dewatering/handling building, new odor control systems, and retrofitting the former sludge processing building into an Operations/Laboratory building.

Awards include WEF Project Excellence Award and the EPA Pisces Award honorable mention.



### PEIRCE ISLAND WWTF UPGRADE PROJECT



Location: Peirce Island Waste Water Treatment Facility  
200 Pierce Island Road  
Portsmouth, NH 03801  
(603) 427-1530 (Portsmouth Public Works Department)

### EXHIBIT AND SPONSORSHIP OPPORTUNITIES

A limited number of table top exhibits are available for companies to display information/service to the attendees. Price includes two-day table top exhibit and one registration.

[View the Exhibit Prospectus online >>](#)

### HEALTH & SAFETY GUIDELINES

NEWEA is committed to providing a safe, educational and inclusive event for attendees. Individuals who are sick or test positive for COVID-19 or any of its variants within 5 days prior to NEWEA's event, should not attend. For more information, view our full guidelines: [https://www.newea.org/events/health\\_safety/](https://www.newea.org/events/health_safety/)

### CONFERENCE RATES

NEWEA/NEBRA Members (one day).....	195.00
NEWEA/NEBRA Members (two days).....	295.00
Non-members (one day).....	255.00
Non-members (two days).....	435.00

**REGISTER ONLINE:** <https://www.newea.org/register/>

Registration rates include: Technical presentations, Facility Tour, Tuesday reception, Wednesday continental breakfast, Wednesday Lunch and all breaks depending on your registration day. Refer to the program.

**Registration deadline is Monday, October 16, 2023.**

*Rates will increase by \$50 after October 16th*

### CANCELLATION POLICY

Request for cancellation/refund must be submitted IN WRITING prior to the event. A 25% cancellation fee will be applied for cancellation/refund requests received prior to October 16, 2023. No refunds will be issued for cancellations requested after October 16, 2023. Due to association agreements and guarantees, fees are forfeited if you are not able to attend the conference.

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<https://www.newea.org/register/>