



New England Water Environment Association  
10 Tower Office Park, Suite 601  
Woburn, MA 01801  
www.newea.org



**“WHAT’S HOT?”**

**“BIOSOLIDS & ENERGY!”**

November 4 - 5, 2009

Holiday Inn North Haven  
201 Washington Avenue  
North Haven, Connecticut 06473



Co-sponsored by:  
New England Water Environment Association (NEWEA)  
North East Biosolids and Residuals Association (NEBRA)  
New York Water Environment Association (NYWEA)

**CONFERENCE INFORMATION**

**“What’s Hot? Biosolids & Energy!”**

Wednesday, November 4, 2009 and Thursday, November 5, 2009

Holiday Inn North Haven  
201 Washington Avenue, North Haven, Connecticut 06473  
(phone # 203-239-6700)

@ Online: [www.newea.org](http://www.newea.org)

✉ Mail to: NEWEA, 10 Tower Office Park,  
Suite 601, Woburn, MA 01801

☎ Fax to: 781-939-0907 (credit cards/purchase orders)

**Registration Deadline is Friday, Oct. 23.**

**Fees**  
Include all breaks & lunch (Thurs.)  
\$200.00 Full Conf. member  
\$245.00 Full Conf. non-member  
\$150.00 One Day member  
\$195.00 One Day non-member

**For membership** - contact  
NEWEA at 781-939-0908  
or NEBRA at 603-323-7654

MasterCard, VISA, AMEX &  
Discover accepted. Make checks  
payable to NEWEA.

**Program Hours**  
Nov. 4: 9:00am - 6:00pm  
Nov. 5: 7:30am - 4:00pm

**Exhibit Opportunities**  
Space is available. Contact  
NEWEA at 781-939-0908.

**Accommodation Information**  
Rooms have been reserved at the Holiday Inn, 201 Washington Avenue, North Haven, CT 06473 for Tuesday night, Nov. 3 and Wednesday night, Nov. 4. Rates are \$102.00 per night plus tax. Reservations must be received by Monday, October 12. **For reservations call Holiday Inn North Haven at 203-239-6700 and refer to New England Water Environment Association. Group rates are on a space and date availability basis.**

**Confirmation**  
Registration confirmation and directions will be sent (email) prior to the conference.

**Training Contact Hours (TCHs)** will be offered for operator recertification as directed by each state regulatory agency.

**Special Dietary Needs**  
Contact NEWEA office at 781-939-0908.

**Cancellation Policy**  
Must be received in writing by Oct. 23, 2009. Due to agreements and guarantees, no refunds will be made after Oct. 23, 2009. No-shows will not be refunded and p.o.’s will be billed.

**What’s Hot?  
Biosolids & Energy!**

Welcome...to the 2009 Annual North East Residuals & Biosolids & Energy Conference & Exhibit, co-sponsored by NEWEA, NEBRA and NYWEA.

*The energy in wastewater is in the solids.* This has become even more true in 2009. Nationwide, there is a rush toward extracting more energy at wastewater treatment facilities (WWTFs). It was driven by the spike in fossil fuel prices in late 2008. It is driven by regional and national greenhouse gas emissions control programs and a renewed national focus on energy efficiency and renewables. Going green at WWTFs means focusing on energy.



That’s why, this year, NEWEA’s Energy Committee is joining the annual North East Residuals & Biosolids Conference – to focus on energy.

The conference tour, the morning of November 4, showcases the new energy recovery system at the Synagro New Haven incinerator. The rest of the day provides broad perspective on critical trends: biosolids as sources of energy within rapidly changing national and regional regulatory schemes. There are new regulations on incinerators, nascent greenhouse gas emissions tracking rules, and voluntary carbon accounting protocols. How will these affect the rush for increased anaerobic digestion capacity and more energy recovery at incinerators?

On November 5, topics include biosolids safety, quality, and public concerns. Then anaerobic digestion takes center stage, and we look at current new operating AD & CHP (combined heat & power) systems and “what’s on the drawing board” in this region.

**This conference is a must for anyone trying to keep up with the current paradigm shift!** WWTFs are becoming a hub of local infrastructure, a resource for clean water and energy! More than ever, they are seen as a resource that must be tapped to the fullest, if communities are to become more sustainable. Those who recognize and understand the details of this shift in perspective will be the ones helping lead in the creation of regulatory, social, and community systems supportive of this drive toward sustainability.

We need more water quality and wastewater solids experts who understand this change and can help teach our communities about the value of the solids with which we work.

**You need to be at this conference, so, together, we can help lead the creation of a more sustainable future!**

..... **2009 ANNUAL NORTH EAST RESIDUALS & BIOSOLIDS <sup>^</sup> & ENERGY CONFERENCE SCHEDULE** .....

**CONFERENCE REGISTRATION FORM**

**2009 ANNUAL RESIDUALS & BIOSOLIDS CONFERENCE**  
November 4 - 5, 2009 • North Haven, CT

**WEDNESDAY, NOVEMBER 4, 2009**

**9:00am FACILITY TOUR: NEW HAVEN INCINERATOR ENERGY RECOVERY PROJECT**

The wastewater solids from Greater New Haven Water Pollution Control Authority (GNHWPCA) are currently processed at the Synagro-operated incinerator at the East Shore Treatment Plant. In 2000, the facility began taking in FOG; by 2006, it was providing a critical service to the region, processing 2.3 million gallons (2.5 dry tons) of FOG per day. A new energy recovery system was installed and began operations earlier this year. This tour will provide a first-hand look at the new system and data from its first few months of operations.



*New Haven, CT Incinerator*

The facility tour is optional. Please pre-register, as space is limited. Transportation will not be provided.

**11:15am NEBRA ANNUAL MEETING & LUNCHEON** (NEBRA members/potential members)

**12:30pm CONFERENCE REGISTRATION / EXHIBITS** (lunch is on your own)

**1:15pm WELCOME & OPENING REMARKS**

Erin Mosley, President, NEWEA  
Charlie Alix, NEWEA Residuals Management Committee Chair

**1:30pm SESSION 1: THE BROADER PERSPECTIVE ON BIOSOLIDS & ENERGY**

*Moderator: Charlie Alix, MWH Americas, Inc.*

- Biosolids as a Renewable Fuel -- Are We There Yet? - Lori Stone, Black & Veatch
- Bio-energy Technology Advances that Promote Wastewater Utility Energy Independence - Michael Wilson, CH2M HILL
- EPA Proposed Rule CFR 40 Part 257 - Biosolids as Solid Waste? - Chris Hornback, NACWA

**3:00pm COFFEE BREAK / EXHIBITS**

**3:30pm SESSION 2: CARBON ACCOUNTING**

*Moderator: Jason Turgeon, USEPA Region 1*

- Update on Federal, RGGI, and State Energy & Renewable Fuels Laws, Regulations, Programs, & Opportunities - TBD
- Fuzzy Math: Biosolids Carbon Accounting in the Face of Uncertainty - Andrew Carpenter, Northern Tilth
- Dealing in Carbon Credits at the Nantucket Co-Composting Facility - Scott Subler, Environmental Credit Corp. (invited)

**5:00pm NETWORKING RECEPTION / EXHIBITS**

**THURSDAY, NOVEMBER 5, 2009**

**7:30am CONFERENCE REGISTRATION / CONTINENTAL BREAKFAST / EXHIBITS**

**8:00am WELCOME & OPENING REMARKS**

Jason Turgeon, NEWEA Energy Committee Vice Chair

**8:15am SESSION 3: BIOSOLIDS SAFETY & QUALITY**

*Moderator: Ned Beecher, NEBRA*

- Research on Pathogen Inactivation by Anaerobic Digestion - Kyle Bibby and Christopher Ziemba, Yale University
- The 2008 Targeted National Sewage Sludge Survey - Rick Stevens, USEPA
- Rumbly in the Mid-Atlantic: Virginia Expert Panel Accepts Biosolids, But the Debate Resurfaces in Pennsylvania - Chris Peot, DC Water & Sewer Authority
- Certified! New England Biosolids EMS Programs Cross the Threshold - Mary Waring, New England Organics

**10:15am COFFEE BREAK / EXHIBITS**

**10:45am SESSION 4: BIOSOLIDS & ENERGY: WHAT'S BEEN DONE - CASE STUDIES**

*Moderator: Melissa Hamkins, Wright-Pierce*

- Cogeneration at the Columbia Boulevard WWTP: Reaping the Benefits - David Parry, CDM
- Goodbye Fossil Fuel! The Successful Use of Biogas for Biosolids Drying - Virginia Grace, NEFCO
- Bioenergy Master Plan Optimizes Value of Biogas - Scott Carr, CDM

**12:15pm LUNCH / EXHIBITS**

**1:00pm SESSION 5: BIOSOLIDS & ENERGY: WHAT'S ON THE DRAWING BOARD?**

*Moderator: Jonathan Keaney, Brown and Caldwell*

- Shifting the Paradigm: Anaerobic Digestion and Combined Heat and Power for Small WWTFs - Eian Lynch, Brown and Caldwell
- Energy Reduction Using On-Site Power Generation in Enfield, CT - William Hardy, S E A Consultants, Inc. and Marvin Serra, Enfield Water Pollution Control Division
- For Norwich Public Utilities, Microturbines Make Dollars and Sense - Michael Headd, Stearns & Wheeler GHD

**2:30pm BREAK/ EXHIBITS**

**2:45pm SESSION 6: TECHNOLOGY**

*Moderator: Tom Schwartz, Woodard & Curran*

- Gravity Co-Thickening - When It Works & When It Doesn't - Erik Osborn, Woodard & Curran
- Large Scale Vermicomposting - Jeffery Budzich, WeCare Organics
- Food Residuals: An Energy Source Processed by a Good Neighbor - Michael Lannan, Tech Environmental
- Getting More Value from Anaerobic Digestion with the Crown Process - Marc Roehl, Siemens Water Technologies

**4:05pm CLOSING REMARKS / RAFFLE** - James Myers, President, NEBRA

**CONTACT INFORMATION**

NEWEA • 10 Tower Office Park, Ste. 601 • Woburn, MA 01801 • 781-939-0908 • (f) 781-939-0907 • mail@newea.org • www.newea.org

NEBRA • PO Box 422 • Tamworth, NH 03886 • 603-323-7654 • (f) 603-323-7666 • info@nebiosolids.org • www.nebiosolids.org

NYWEA • 525 Plum Street, Ste 102 • Syracuse, NY 13204 • 315-422-7811 • (f) 315-422-3851 • mail@nywea.org • www.nywea.org

NAME \_\_\_\_\_

COMPANY/ORG. \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ / STATE \_\_\_\_\_ / ZIP CODE \_\_\_\_\_

PHONE \_\_\_\_\_ / FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

NEWEA ID or NEBRA MEMBER NAME or NYWEA ID \_\_\_\_\_

REGISTRATION FEES:	MEMBER*	NON-MEMBER
A. Full Conference	<input type="checkbox"/> \$200*	<input type="checkbox"/> \$245
B. One Day Wed., Nov. 4	<input type="checkbox"/> \$150*	<input type="checkbox"/> \$195
C. One Day Thurs., Nov. 5	<input type="checkbox"/> \$150*	<input type="checkbox"/> \$195
D. NEBRA Lunch Mtg: Nov. 4	<input type="checkbox"/> \$0 (NEBRA only)	<input type="checkbox"/> \$15

**FACILITY TOUR:** Facility tour is optional. You must pre-register as space is limited. Transportation not provided.  
 New Haven Incinerator Tour - Wednesday, Nov. 4 (9:00-11:00am)

**TOTAL PAYMENT DUE \$** \_\_\_\_\_

\*You may qualify for the member rate if you have a current membership with either NEWEA or NEBRA or NYWEA. Rates held at 2008 prices.

**PAYMENT OPTIONS:**

Check enclosed / Made payable to NEWEA

Purchase Order \_\_\_\_\_

VISA/MC/AMEX/DISCOVER

# \_\_\_\_\_

Exp. \_\_\_\_\_ Signature \_\_\_\_\_

**MAIL TO:** NEWEA, 10 Tower Office Park, Suite 601, Woburn, MA 01801. Credit Card or Purchase Order may be faxed to NEWEA at 781-939-0907.

**CONFIRMATIONS:** Will be emailed prior with directions.

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**REGISTRATION DEADLINE: FRIDAY, OCTOBER 23, 2009.**