

Innovations in Energy Use and Cost Control for WWTF's

Tuesday, September 11, 2007

CT DEP - Phoenix Auditorium (5th Floor)

79 Elm Street, Hartford, CT

8:30am - 3:00pm

CWPAA Energy Seminar

Sponsored by:



Connecticut Water
Pollution Abatement
Association



Connecticut Department
of Environmental
Protection



FUSS & O'NEILL
Disciplines to Deliver

Gina McCarthy, Commissioner Connecticut Department of Environmental Protection:

"Connecticut has seen dramatic increases in energy costs and the increases impact WWTFs especially hard. Managing energy consumption and cost is becoming a major concern for our waste water community. There has never been a better time for an energy seminar dedicated to you. Please join us on September 11, at the DEP headquarters to learn about the challenges and opportunities available in energy efficiency."

Energy Seminar Description

The program is designed to educate attendees on four facets of energy management

- Performance-Based Contracting
- Managing Plant Improvements to Reduce Energy Consumption
- Third Party Power Purchase
- Financial Gain from Participating in Demand-response Programs

Industry experts will speak about the opportunities in third party contracts and demand – response. The bulk of the program will expand know-how and capabilities in energy use reduction.

For more information please call:
Nick DeDominicis
(860) 646-2469 ext.5251
or e-mail:
NDeDominicis@FandO.com

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Agenda

The program is designed to educate attendees on controlling energy usage and costs in Waste Water Treatment Facilities. The program will address what steps you can take to keep energy costs down, ensure you operate as efficiently as possible and approaches you can take to fund important energy related projects.

7:45 – 8:30

Continental Breakfast - Provided

8:30 – 8:45

Introduction - *Michael Curtis, State Director - New England Water Environment Association, Senior Vice President – Fuss & O'Neill*

8:45 – 9:15

The Increasing Cost of Energy – The Magnitude of the Problem to WWTF's in Connecticut and CTDEP Initiatives -

Gina McCarthy – Commissioner – Connecticut Department of Environmental Protection - Commissioner McCarthy will detail the growing issues and problems due to increasing energy costs within the State of Connecticut.

9:15 – 9:45

Overview of Opportunities and Solutions – Taking Control of Your Energy Consumption and Costs - *Nick DeDominicis - Fuss & O'Neill, Inc.* - Strategies and Approaches to reduce the energy intensity of Wastewater Treatment Plants will be presented as well as an introduction to performance contracting, which allows you to use energy savings to fund projects. Overviews of Performance – Based Contracting, Load Response, Conservation Programs and Incentives, Procurement and Energy – Use Management Strategies will be presented.

Nick DeDominicis - Fuss & O'Neill, Inc., Manchester, CT - The systematic approach to achieving significant reduction in energy use will be discussed. The discussion will include an overview of the energy auditing process to identify and evaluate technically feasible, cost effective energy conservation projects.

9:45 – 10:15

The Demand Response Programs – Program Overview - Advantages and Obligations of Participation - *James Motta - Northeast Utilities* - Background to the development of the regional demand-response program and the benefits and obligations of participation. The enrollment process, the high level applicability of this program to Wastewater Treatment Facilities and the lost opportunities of non-participation will be presented.

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10:15 – 10:45 - Break

10:45 – 11:30

Advantages in Third Party Energy Purchase - *Richard Costello - ACELA Energy* - Strategies to get optimum third party pricing will be addressed. The significant, long-term savings of this strategy will be highlighted. Additionally, it is important to detail that Wastewater Treatment Facilities are highly sought-after customers due to their patterns of energy use, long-term stability and magnitude of use.



11:30 – 12:00

The Legal State of Energy Service Company (ESCO) Contracting - *Jennifer Janelle, Esq. - Shipman and Goodman*

- Municipalities approached by ESCO's often question their ability to enter into performance – based contracts given required and/or implied 'low-bid' environments and the inability to 'bid' ESCO efforts. Atty. Janelle, a leading in-state expert in these matters will detail the nature of these contracts and the legal mechanisms with which an increasing number of municipalities have pursued and achieved ESCO performance-based contracts.

12:00 – 1:00 – Lunch (on your own)

1:00 – 1:45

The Facility Energy Upgrade – A Systematic Approach to Undertaking and Acting on the Audit and Upgrade -

Nick DeDominicis - Fuss & O'Neill, Inc., Manchester, CT - The systematic approach to achieving significant reduction in energy use will be discussed. The discussion will include an overview of the energy auditing process to identify and evaluate technically feasible, cost effective energy conservation projects.

1:45 – 2:15

Funding Opportunities for Wastewater Treatment Facility Energy Upgrades - *Jennifer Janelle, Esq. - Shipman and Goodman* - Attorney Janelle will detail the numerous funding opportunities available for energy-related upgrades at state Wastewater Treatment Facilities.

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2:15 – 2:45

Connecticut DEP Position on Energy Upgrades and the State and Federal Funding Cycle - *William Hogan - Connecticut Department of Environmental Protection* - Mr. Hogan will discuss the advantages of undertaking energy upgrades outside of state and federal funding cycles and initiatives.

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2:45 – 3:00

Conclusion and Wrap-Up - *Michael Curtis - State Director - New England Water Environment Association, Senior Vice President - Fuss & O'Neill*

Directions **The CT DEP Phoenix Auditorium**
79 Elm Street, Hartford, CT 06106
Phone (860) 424-3000

From I-84 West: Take exit 48 (Asylum Ave.). At the light at the end of the ramp, take left and get in the right lane. Bear right with the road through three traffic lights. Stay in the right lane and continue following Jewell St. around Bushnell Park to Pulaski Circle (a rotary). Make first right off the rotary onto Elm St. (Bushnell Park will now be on your right.) The DEP is one and one half blocks up on the left.

From I-84 East: Take exit 48 (Capitol Ave.). At the light at end of ramp take left onto Capitol Ave. Go past State Capitol and at 2nd light take left onto Trinity St. Take right at next light onto Elm St. The DEP is one block down on right, at the corner of Elm St. & Clinton St.

From I-91 South: Take exit 29A, "Capitol Area." Keep left. Follow Whitehead Highway to Pulaski Circle (a rotary.) Continue halfway around the rotary and take right onto Elm Street. The DEP is one and one half blocks up on the left.

From I-91 North: Take exit 29A, "Capitol Area" (left exit). Keep left. Follow Whitehead Highway to Pulaski Circle (a rotary.) Continue halfway around the rotary and take a right onto Elm Street. The DEP is one and one half blocks up on the left.

Parking: Limited on-street metered parking is available on Clinton St. and Elm St. Paid lots are available on West St. and Hudson St. Visitors may also ask the security guard at the State Office Building lot, 165 Capitol Avenue (1 block behind the DEP building) for permission to park there free on a short term basis.