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## **10-01-2013 - EBC and MassDEP renewable energy program**

September 26, 2013 - Green Buildings

The Environmental Business Council of New England and the Mass. Department of Environmental Protection will hold an energy program on Oct. 1. Renewable Energy for Wastewater and Drinking Water Facilities will be held at the Alden Research Labs, 30 Shrewsbury St.

Drinking water and wastewater facilities are estimated to account for 3-4% of national electricity consumption in the U.S. and are typically the largest consumers of energy in municipalities, often accounting for 30-40% of total energy consumed. Implementing energy efficiency upgrades and renewable energy systems can significantly reduce operating costs, while helping mitigate the effects of climate change.

The Massachusetts Department of Environmental Protection (MassDEP), Massachusetts Department of Energy Resources (MassDOER), Massachusetts Clean Energy Center (MassCEC) and Mass Clean Energy Results Program (MASS CERP) have been combining efforts to advance Massachusetts' clean energy goals of promoting energy efficiency and renewable energy generation. This joint program of the EBC and the DEP will explain the renewable energy development opportunities that exist in Massachusetts for drinking water and wastewater facilities.

Representatives from MassDEP, MassDOER and MassCEC will discuss the current renewable energy landscape in Massachusetts and the EPA will provide an overview of their efforts nationally and regionally. Solar PV, wind, anaerobic digestion and hydro power municipal renewable energy project examples will then be presented. The program will conclude with financing renewable energy projects, including presentations identifying some funding sources and various financing techniques. Continuing Education Certificates are awarded by the EBC for this program (3.5 training contact hours). Please select this option during registration if you wish to receive a certificate.

The program chair will be Anthony Primo, P.E., LEED AP, alternative energy discipline leader at CDM Smith of Cambridge.

The keynote speaker will be Kenneth Kimmell, commissioner of the MassDEP

Speakers will include:

- \* Bram Claeys, deputy director, renewable & alternative energy division, MassDOER
- \* Jason Turgeon, environmental protection specialist, energy & climate unit, U.S. EPA
- \* Thomas Potter, MassDEP Bureau of Waste Site Cleanup
- \* Michael Murphy, business development manager for water innovation, MassCEC
- \* Matthew Pearson, manager, Grafton Water District
- \* Kristen Patneau, project manager, MWRA Deer Island Treatment Plant
- \* John Donovan, P.E., BCEE, senior vice president, CDM Smith
- \* Celeste Fay, project engineer, Alden Labs
- \* Michael DiBara, project manager, MassDEP

- \* Amy Barad, program director, MassCEC
- \* Steven Levine, managing director, Encap Development LLC
- \* Eric Graber-Lopez, partner, BlueWave Capital, LLC

Moderators:

- \* Catherine Finneran, senior director, renewable energy generation, MassCEC
- \* Briony Angus, project manager, Tighe & Bond
- \* Matt Shortsleeve, senior manager, Mercury Solar Systems, Inc.

Draft Agenda

Immediately following the program please join Alden Labs in a tour of their facility:

Alden Research Laboratory (Alden) is the oldest continuously operating hydraulic laboratory, founded in 1894 as part of the Mechanical Engineering Department of Worcester Polytechnic Institute. In 1986, Alden became a private company, expanding into consulting and engineering services. Our facilities span over 30 acres with about 120,000 s/f of enclosed testing space including several flumes, tow tanks, and large basins as well as machine, welding and carpentry shops. We would be pleased to share with you a tour of our world-class facilities following the speaking program.

Registration and continental breakfast: 7:30am - 8:00am

Program: 8:00am - 12:00pm

Registration fees:

EBC members: \$120\*

Non-members: \$165\*

Government/municipal & non-profit rate: \$25

\*After September 29th and at the door, add \$20.

Cancellations must be received by 5:00 pm on September 27th for a refund. No-shows will be charged.

Date: Tuesday, October 1

Time: 7:30 a.m. - 12:00 p.m.

Location: Alden Research Laboratory, 30 Shrewsbury St., Holden, Mass.

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