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Combined Heat & Power and Mass-Save Combined Heat & Power Program

Wednesday, April 6, 2011
Doubletree Hotel – Waltham, MA

The Massachusetts Green Communities Act of 2008 has embraced clean fossil fuel technologies like combined heat and power (CHP). The act includes CHP under the definition of “energy conservation products” that qualify for energy efficiency funding. In addition the Mass EPA Greenhouse Gas (GHG) Policy, issued June 2008, identified the integration of CHP technologies into building design and construction as a means to mitigate GHG emissions. For all new construction and existing buildings, the Green Communities Act mandates electric utility energy efficiency programs offer incentives for CHP projects as a technology to reduce kWh consumption. Critical to a successful CHP project is its application, sizing method and available utility incentives. Our joint meeting with ASHRAE in April will review CHP and how this landmark legislation has pumped new life into the potential opportunities for facility owners and energy professionals.

Our speakers will feature **Steve Zilonis** and **Kevin Harnett**. **Steve Zilonis is Vice President Business Development, USA, Dresser-Rand CHP Solutions**, will present a description of CHP, review optimal system design and applicability, and related financial justification and capital requirements.



Kevin Harnett is NSTAR’s Program Manager for Combined Heat and Power and will discuss the Mass-Save Combined Heat & Power Program and the incentives available for qualifying projects. Kevin will also discuss how utilities assess projects and the likely applications that will qualify for incentives.

Next meeting – May 4th

Site Tour at Millipore in Bedford, MA

This meeting will start at 5:30 p.m. sharp!

2010-2011 Chapter Officers

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* Denotes Past President

Meeting Managers: Jim Armstrong and Rich Costello

Doubletree Guest Suites Hotel

550 Winter Street - Exit 27B off Route 128 (I-95)

Waltham, MA

4:30 Open AEE Board Meeting *

5:30 Registration and Networking

6:30 Dinner and Presentation

8:30 Close

* Remember our Board of Directors meetings are open to anyone that is interested in attending. They begin at 4:30 p.m. before our regular meetings unless otherwise noted. We welcome new faces and ideas.

Please register and pay on-line using PayPal at <http://aeenewengland.org>,

or email to: info@aeenewengland.org .

\$40.00 per person*

Special Price for This Meeting Only

Ask about our special rate for the unemployed job hunter

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Upcoming Events From Outside Organizations (subject to change)

Visit our web page, www.aeenewengland.org, as events are added periodically

ASHRAE Boston: Joint Meeting with AEE

April 5, 2011, 5:30 PM - 8:30 PM **Waltham, MA**

Topic: Mass Green Communities Act, Utility CHP Incentives Speaker: TBD

Location: Doubletree Guest Suites Hotel, 550 Winter St.

Contact: William Tang wkt@brplusa.com Cost: \$45 (if not ASHRAE member)

Website: <http://www.ashraeboston.org/chapterupdates/calendar.html>

AFE #37: Biogen Idec Facility

April 26, 2011, 6:00 PM - 8:00 PM **Cambridge, MA**

Topic: TBD Speaker: TBD Location: 14 Cambridge Center

Contact: Jeff Myrdek 603-969-4567 Chapter37@afe.org Cost: \$40 (if not AFE member)

AFE #74: FLEXcon

April 21, 2011, 5:30 PM - 8:30 PM **Spencer, MA**

Location: 1 Flexcon Industrial Park

Contact: ron.stachelek@southbridgehotel.com 508-765-4500 Cost: \$35 (if not AFE member) Please check website for latest information:

<http://www.afe.org/chapter74>

Email: chapter74@afe.org

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Chapter Sponsors:

(for more detailed information visit our web page, www.aeenewengland.org)

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Greetings – April 2011

I want to thank **Jim Donnelly** for managing our March “Lighting the Way” meeting. Jim along with presenters, **Kelly Cota** (National Grid) and **Bob Ponzini** (Osram Sylvania) did an excellent job covering new lighting technologies, where they fit in the marketplace and what utility incentive programs they fall under. Also, **Andy Coffin** (NStar) did a fantastic job getting the

Doubletree banquet hall converted from incandescent bulbs to LED’s in just three weeks (between the February and March meetings).

It’s hard to believe that the AEE year is almost up, but between now and the golf outing in June there are several more events that you should be aware of. Our next meeting will be April 6th and will be a joint meeting with ASHRAE on **Combined Heat and Power**. Definitely sign up early for this one as it will surely be a full-house with our friends from ASHRAE joining us.

The month of April will also feature our Certified Energy Manager’s course with instructor **Richard Costello** during the week of April 18th to 22nd. This is a great opportunity to take this popular course and the CEM exam locally, at a reduced cost. Please check this newsletter and/or the web-site for more information on this program. Space is limited so please sign up early if you would like to attend.

Mark your calendar for our May meeting which will be a site tour of the **Millipore** facility in Bedford, MA. Millipore was one of our award winners at our recent Energy Awards presentation, and they have an excellent tour and information session planned. The meeting date is May 4th.

Finally, **Joe Hall** is once again coordinating our annual golf outing on June 22nd. In addition to our on-course sponsors, we are offering additional sponsorship opportunities for companies who might want to have a larger impact on the event. Please contact Joe Hall if interested.

Thanks and see you at the next meeting.

Brian Crafts
Chapter President

2010-2011 AEE New England Chapter Future Meeting Topics

(subject to change)

Date	Topic	Program Manager
Apr. 6th	Combined Heat & Power and Mass-Save Combined Heat & Power Program (Joint Meeting with ASHRAE Boston)	Jim Armstrong, Rich Costello
May 4 th	Millipore Research & Development, Bedford	Fran Boucher
June 22 nd	11th Annual Golf Outing	Joe Hall, Greg Snyder Jim Armstrong

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**AEE New England Offers CEM Training Course**

AEE is offering to its membership and the public, the Certified Energy Manager (CEM) training course and certification examination. The CEM course is an intensive four and a half day seminar designed as a preparatory vehicle for the CEM examination. The course offers a thorough review of the basics of efficiency improvement as it relates to electrical, utility, building and combustion systems. It is the ideal refresher course for energy managers who want to “brush up on the basics” as well as for those seeking an additional method of preparation for the examination.

The CEM course will be held from 8:00 AM to 5:00 PM, April 18th thru the 22nd, 2011, followed by the exam on the second half of the last day.

The cost of the course and examination is \$1,500 (\$1,400 for Chapter Sponsors), which includes breakfast and lunch for the five days as well as a comprehensive workbook. The course will be held at the Siemens, 85 John Road, Canton, MA 02021. Please note that the seminar is priced well below the traditional AEE sponsored program.

Please visit our website at www.aeenewengland.org for a AEE New England Chapter CEM Training Course Application Form which must be filled out and turned in order to attend the class.

You will also find the National AEE CEM Application Form, which is intensive and will have to be filled out eventually in order to receive your CEM Certification once you have taken the training course, passed the test, and meet all of the other required criteria.

For more information please see our website or contact Richard Costello of Acela Energy Group at (508) 530 3040 or email at Richard.costello@acelaenergy.com

***Press Release***

MA Department of Energy Resources will manage US DOE grant for work performed by UMass Center for Energy Efficiency and Renewable Energy. The \$900,000 federal grant awarded to the Department of Energy Resources (DOER) and the Center for Energy Efficiency and Renewable Energy (CEERE) at the University of Massachusetts Amherst will help selected manufacturers in Massachusetts and three other New England states cut their energy use by 25 percent over the next decade.

http://www.mass.gov/?pageID=eoea&pressrelease&L=1&L0=Home&sid=Eoea&b=pressrelease&f=090312_pr_umass_ief_grant&csid=Eoea

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2011-2012 Call for Scholarships

The New Year brings the call for AEE scholarships for the 2011-2012 academic year. Scholarships are jointly sponsored by our chapter and the National AEE Foundation Scholarship program. Deserving students may now submit applications to our New England Chapter for \$1,000 scholarships. If you are, or know of, a good candidate according to the requirements below, please contact Dan Wheatley, Scholarship Chairman, at dan_wheatley@msn.com for an application.

Scholarship Purpose & Eligibility

The AEE Foundation Scholarship program was established to encourage qualified students in energy/mechanical engineering, facilities management, or energy management by awarding scholarships to further education in the field. Scholarships are awarded to full-time undergraduate and graduate degree candidates enrolled at accredited colleges or universities. For further information on the scholarship foundation, visit the AEE website at www.aeecenter.org and click on 'AEE Foundation'.

Selection Procedure and Application Deadline

Scholarships are awarded based on academics, character, and financial need. Applicants must write a personal goals statement, statement of financial need, and also must be recommended by at least one faculty member.

Applications must be submitted to the New England Chapter at the address below by March 30, 2011. Applications may be submitted via US Mail or electronically. For questions or information on submission and eligibility please contact us:

Email: dan_wheatley@msn.com

Mail: Dan Wheatley, AEE New England Scholarship Chairman
 Environmental Systems Corporation
 750 Main Street
 Winchester, MA 01890

Events From Outside Organizations ... Continued

Massachusetts Technology Collaborative (MTC) Programs for Business & Individuals

<http://masstech.org/>

Massachusetts Energy Efficiency Partnership (MEEP)

<http://www.maeep.org/>

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 Contact **Ron Gillooly**
ronald.gillooly@us.ngrid.com
 For More Information

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Charlie Kalasinsky, *Corporate Engineer*
617-423-7423

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Martin Orio
VP Business Development
603-329-8122

Events From Outside Organizations ... Continued

The Green Roundtable

Location: 38 Chauncy St., 7th floor, **Boston, MA**

<http://www.nexusboston.org/>

Contact: 617-374-3740 events@greenroundtable.org

April 7-8, 2011, 8:30 AM – 5:30 PM

Topic: **LEED 521: Energy Modeling for LEED Using eQuest**

Presenter: Christian Stalberg

Cost: \$495

April 7, 2011, 12:30 PM – 1:30 PM

Topic: **Webinar: Become a LEED Green Associate**

Cost: free

April 13, 2011, 12:30 PM – 2:00 PM

Topic: **Case Study: The Living Building Challenge & Next-Generation Sustainable Design**

Presenter: Buro Happold

Cost: free

Residential Design and Construction 2011

April 28 - 29, 2011 10:00 AM – 5:30 PM **Boston, MA**

Location: Seaport World Trade Center, 200 Seaport Blvd.

Registration:

<http://www.rdcboston.com/ResPlus/RDC/Registration/?SHID=94990716.05616133>

Website: <http://www.rdcboston.com/ResPlus/RDC/>

Cost: \$0 - \$525

Harvard University Center for the Environment: Future of Energy

April 5, 2011 5:00 PM – 7:00 PM **Cambridge, MA**

Topic: TBD

Speaker: Jeffrey Sachs, Director, The Earth Institute, Columbia University
Quetelet Professor of Sustainable Development; Professor of Health Policy and Management, Columbia University

Location: Science Center D, One Oxford St.

Contact: Brenda Hugot bhugot@fas.harvard.edu 617-496-1788

Cost: free

Massachusetts Sustainable Communities Conference

April 15, 2011 8:00 AM – 4:00 PM **Marlborough, MA**

Topic: Best Practices in Local Sustainability

Location: Holiday Inn, 265 Lakeside Avenue

Watt Stopper

Don Munroe, *Sr. Regional Sales Manager*
508-336-3399

WPS Flack & Kurtz

Mark Warren, *Director of Facilities Engineering*
617-210-1600