







# ASSOCIATION OF ENERGY ENGINEERS - NEW ENGLAND CHAPTER



## NEW ENGLAND ENERGY

### October 2007 Newsletter

#### Inside this issue:

-  OCTOBER MEETING
-  AEE NEW ENGLAND SPONSORED EVENTS
-  PRESIDENT'S MESSAGE
-  JOB ADVERTISEMENTS
-  MEETING DETAILS
-  OUTSIDE ORGANIZATION EVENTS

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#### Sustainable Labs

Wednesday October 3, 2007 Meeting

Labs are a red hot area of construction right now in New England and across the country. The biotech world can't get enough trained professionals and the research funding available to universities is amazing. In response, local colleges and universities are building labs at an all time record pace, and the construction of labs for private industry may well be outpacing even that. From an energy perspective no non-industrial facility, with the possible exception of a data center, is more energy intensive than a lab.

Fortunately, an exciting revolution in laboratory energy efficiency design practices is occurring at the same time as this explosion of construction activity. Unfortunately, a large number of these projects are passing over many of the new practices that have become increasingly more popular. Some of this has to do with safety concerns but tonight you will learn that safety and efficiency are compatible in labs.

At this meeting will hear from Danny Beaudoin, CEM and LEED AP, Manager of Operations from Harvard School of Public Health, how under his direction, Harvard is tacking an aggressive tack in introducing energy efficiency and in a broader view, the latest in Sustainable Design practices in construction of new lab spaces. Danny is an enthusiastic speaker with leading edge experience on this topic.

Come join us to learn what is working well and better still what is cost effective in real world lab design today.

#### 2007 Chapter Officers

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\* indicates Past President

The fee is \$40 for the dinner and the meeting.

Register online at <http://www.aeenewengland.org> or call (781) 446-0125  
or email to: [arthur1771@aol.com](mailto:arthur1771@aol.com)

**Meeting Managers:**

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**New England Chapter Sponsored Events**

(Subject to Change)

<i>Date</i>	<i>Topic</i>	<i>Meeting Mgrs</i>
October 3 <sup>rd</sup>	Laboratory Design – Best Practices	<b>F. Boucher</b> <b>S. Di Giacomo</b>
November 13 <sup>th</sup>	Joint AEE/ASHRAE meeting	<b>J. Donnelly</b>
December 12 <sup>th</sup>	Chapter Sponsors/Scholarships Night	<b>B. Crafts</b> <b>R. Gillooly</b>
January 9 <sup>th</sup>	N.E. AEE Annual Energy Outlook Forum - 2008	<b>R. Costello</b>
February 6 <sup>th</sup>	Utilities Night/Chapter Energy Project Awards	<b>A. Coffin</b> <b>N. Medeiros</b>
March 4 <sup>th</sup>	Energy Industry Job Opportunities	<b>K. Stanley</b>
April 2 <sup>nd</sup>	Renewables – Wind, Solar, Biomass	<b>R. Costello</b>
May 7 <sup>th</sup>	LEED Platinum Building Design Plant Tour	<b>F. Boucher</b>
June 18 <sup>th</sup>	8 <sup>th</sup> Annual AEE New England Chapter Invitational Golf Tournament	<b>J. Hall</b>



**Marco Clerx** of Honeywell was honored at the World Energy Engineering Congress as the region's Energy Engineer of the Year.

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Here we go again!

We picked up right where we left off last Spring with another information packed gathering on September 5<sup>th</sup>. We had a fantastic turnout and a great meeting with two outstanding speakers providing an excellent overview of critical energy initiatives here

in our region. Our meeting manager, Ron Gilooly, did a great job lining up our two guest speakers, but had some difficulty controlling our enthusiastic audience. With Phil Guidice of the DOER kicking things off and Lucy Edmondson from the EPA wrapping things up, the meeting went well into overtime. Well after the meeting ended we had twenty or so members continuing a lively debate regarding State policies and Energy Star benchmarking. I think both Phil and Lucy appreciated the knowledge and passion of our group, along with the lively exchanges that took place during the evening. Both have agreed to join us again and have requested ongoing input from our organization. Somehow, I don't think they'll be disappointed. Our thanks to Ron, Phil and Lucy for an informative evening!

We've got some more great meetings coming up in the months ahead so be sure to reference our website at <http://www.aeenewengland.org> for a listing of all upcoming events. We've needed to juggle the schedule a bit based on other commitments, but we're doing our best to bring you the most up to date and relevant information that will help you with your business opportunities.

Last month, I mentioned that our association is always looking for fresh ideas and new volunteers. We've got a very active group of long time members who make up the majority of our Board of Directors, but we're always looking for new additions to our Board. Our New England Chapter has an open Board meeting policy, meaning that all are welcome to join us and sit in on our meetings. Please feel free to attend one of upcoming meetings. We meet at 4:30 PM at the Doubletree Hotel in Waltham on the same day as our normal monthly dinner meetings.

We invite you to get involved.

*You'll have nothing to lose but your anonymity!*

*Jim Donnelly*  
Chapter President

Visit our Website [www.aeenewengland.org](http://www.aeenewengland.org) for up-to-date information!

**CTG Energetics**

Stephen Turner  
*Managing Director, Northeast Region*  
 401-524-4798

**ENE Systems**

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**EnerNOC**

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In this role you will conduct facility site visits, analyze current situation and produce facility improvement measures (FIM) plans. In this role you will assist engineering, sales and operations in the development, procurement and execution of contracts. Performs and assists in preliminary and detailed facility audits to identify facility improvement measures (FIMS) and/or opportunities. Coordinates and facilitates site visits and communicates with in-house and outside vendors as it pertains to FIMS. Assists sales in identification and qualification of potential performance-based projects.

Bachelor's degree in Facilities Management, Engineering or other related field. Engineering field experience with energy or building operations experience preferred. Experience developing or supporting performance-based projects and/or energy services desired. Certified Energy Manager (CEM) certification and state certification as an Engineer in Training (EIT) recommended. Strong verbal and written communication skills; strong public speaking skills desired.

Please Contact -  
 Jim Armstrong CPE CEM,  
**Siemens Building Technologies**  
 85 John Rd., Unit 1,  
 Canton, MA 02021-2816  
[jarmstrong@siemens.com](mailto:jarmstrong@siemens.com)

**Ron Gillooly** traveled to Atlanta to represent AEE New England in receiving a national award for Best Chapter Website.





**National Resource Management**

Emre Schveighoffer, *President*  
781-255-8811 ext. 11

**New England Window Systems**

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Please send resumes to Chris Halpin, President at [chris@celticenergy.com](mailto:chris@celticenergy.com)



**Fran Boucher** of National Grid was presented with the region's Energy Professional Development Award for his outstanding contributions to our industry.

**Synergy Investments**

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508-366-0200

**Tecogen**

Jeffrey Glick, *Sales Manager*  
781-466-6481

**Teletrol Systems**

Amy Phillips, *Technical Service Engineer*  
603-645-6061

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*Account Manager Service & Controls*  
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**ENERGY ENGINEER**

This position is responsible for providing energy life cycle analysis of energy conservation measures, renewable energy technologies and O&M impacts of these systems. The candidate will lead projects from feasibility through the design/build of the recommendations.

The position requires the ability to identify, analyze and evaluate energy saving and renewable energy technologies. The candidate will independently perform all assignments with instructions as to the general results expected and receive limited technical guidance and supervisory approval on projects.

The position requires a BS in Engineering and 5 years of industry experience. Familiarity with life cycle cost analysis tools including: Trane Trace, PowerDOEII and utility spreadsheets desirable. LEED Accredited Professional a plus.

**COMMISSIONING AGENT**

This position is responsible for performing commissioning and retro commissioning services for clients related to Sustainable projects, utility programs and LEED initiatives. The candidate will be required to develop commissioning plans, testing procedures and implement the commissioning of MEP systems for ground up and renovation projects. A thorough knowledge of building HVAC systems, the operations and maintenance of these systems and energy efficiency strategies for Commercial/Laboratory and Academic facilities required.

A BS in Engineering and a minimum of 3 years experience testing HVAC systems and/or energy engineering required.

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For More Information**

IF KNOWLEDGE IS POWER, WATT IS ENERGY?



## Facilities Management Graduates Reach New Heights !

Massachusetts Maritime Academy is pleased to announce the graduation of its fourth cohort of *Master of Science in Facilities Management* students.

Nineteen students began the program in September 2005 and joined the graduating class at commencement on June 16, 2007 at Massachusetts Maritime Academy. Over the course of the 16 month program, they studied topics such as Managing Information Technology Resources, Legal and Regulatory Environment for Facilities Managers, and Facilities Project Management.

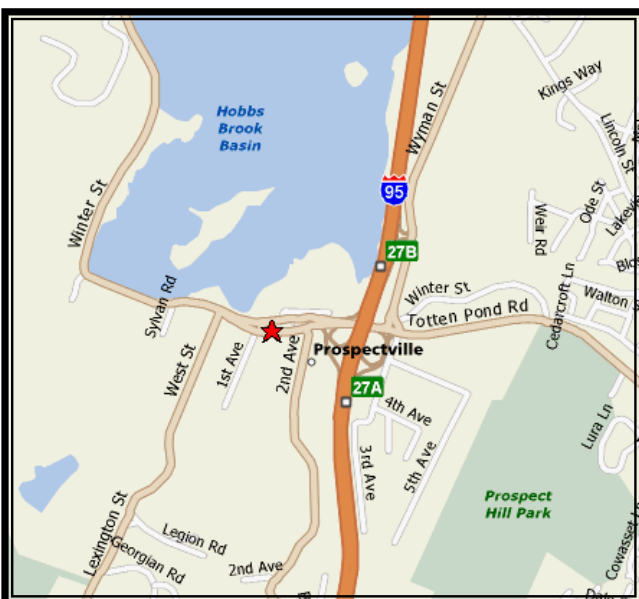
Past graduates of the MMA MSFM program have experienced significant career benefits. With this cohort, **63% of the class were promoted before they had completed the program.** Students are employed in the fields of government, private industry and education. Supporting employers include Exelon Corporation, Wheelabrator Environmental Systems, Gillette, Mirant Canal, Tascon Corporation, EMCOR, and Boston Scientific, among others.

With the launch of its fifth cohort this September, the Division of Graduate and Continuing Education anticipates another successful master's degree program that offers students the opportunity to enhance their careers with the leadership and teamwork skills necessary to excel in the Facilities Management arena.

For more information on the MSFM program, contact Alfred Towle at (508) 830-5098 or [atowle@maritime.edu](mailto:atowle@maritime.edu).



## Meeting Details



### WEDNESDAY - OCTOBER 3RD

**550 Winter Street - Exit 27B off Route 128 (I-95)  
Waltham, MA**

4:30 PM – 5:30 PM Open Board Meeting  
5:30 PM – 6:30 PM Registration & Social Hour  
6:30 PM – 7:00 PM Dinner  
7:00 PM – 8:40 PM Presentation  
8:40 PM – 9:00 PM Q&A & Adjournment  
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\$40 per person ~ \$15 per student with ID

## Upcoming Events From Outside Organizations (subject to change)

Date	Event	Reservations and More Information
Sept. 25th Tour 5:45 - 6:40 PM	<b>AFE 37 – BioGen Idec Cambridge, MA</b>	Dan Shea cell: 781-439-8891 <a href="mailto:dshea2003@earthlink.net">dshea2003@earthlink.net</a>
October 3 <sup>rd</sup> Time: 12:30 – 1:30 PM	<b>The Green Roundtable “Green Design &amp; Operations of Museums”</b> Location – North East Aquarium Harborside Learning Lab <b>Boston, MA</b>	RSVP <a href="mailto:noah@greenroundtable.org">noah@greenroundtable.org</a>
Tuesday October 9 <sup>th</sup>	<b>ASHRAE Boston Chapter – Fuel Cells Waltham, MA</b> Seminars: 3:00 PM - 6:00 PM Products: 3:00 PM - 8:15 PM Joint Meeting with NAWIC	<a href="http://www.ashraeboston.org">www.ashraeboston.org</a>
October 15 <sup>th</sup> Time: 8:00 AM – 4:30 PM	<b>Massachusetts Energy Efficiency Partnership (MEEP)</b> Fundamentals of Compressed Air Systems <b>Northboro, MA</b>	Online Registration: <a href="http://www.maeep.org/events.cfm?recID=95">http://www.maeep.org/events.cfm?recID=95</a>
October 25 <sup>th</sup> Time: 8:00 AM – 4:30 PM	<b>Massachusetts Energy Efficiency Partnership (MEEP)</b> Pump System Assessment Training <b>Cape Cod Community College</b>	Online Registration: <a href="http://www.maeep.org/events.cfm?recID=99">http://www.maeep.org/events.cfm?recID=99</a>
Nov. 13-15, 2007	<b>23<sup>rd</sup> Annual Build Boston – Trade Show for Design, building, &amp; Mgt Professionals</b> <b>Location - Seaport World Trade Center</b>  The Northeast's largest convention and tradeshow for design, building and management professionals. Over 350 exhibits plus 225 workshops, 14 symposia, 11 morning tours and special events. Earn your continuing education and AIA/CES learning units in just three short days.  Free admission to the exhibit hall if you register by October 19, 2007 at <a href="http://www.buildboston.com">www.buildboston.com</a> or 800-544-1898.	
AIA has scheduled its national show in Boston for '08. J. Hall is the chapter liaison.		
The USGC plans to hold its Green Buildings show in Boston in November '08. It will be its 1 <sup>st</sup> show anticipating many attendees and conventioners. There will be media releases, promoting sustainable energy efficiency efforts. F. Boucher is the chapter liaison and co-chairman on the ASHRAE Boston Chapter Sustainable Design Committee.		
	<b>USGBC LEED Trainings Scheduled for the Boston area</b>	<a href="http://www.greenroundtable.org">http://www.greenroundtable.org</a>
	<b>Various ISO New England Courses &amp; Workshops</b> <b>Various Towns</b> <a href="http://www.iso-ne.com/support/training/sched/index.html">http://www.iso-ne.com/support/training/sched/index.html</a> <a href="http://www.iso-ne.com/calendar/view.do">http://www.iso-ne.com/calendar/view.do</a> <a href="http://www.iso-ne.com/calendar/view.do?task=monthcal&amp;date=20070301&amp;cat=&amp;type=&amp;link=yes&amp;filter=off">http://www.iso-ne.com/calendar/view.do?task=monthcal&amp;date=20070301&amp;cat=&amp;type=&amp;link=yes&amp;filter=off</a>	