


# ASSOCIATION OF ENERGY ENGINEERS - NEW ENGLAND CHAPTER



## NEW ENGLAND ENERGY NEWS

### January 2008 Newsletter

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**Visit our website**  
**[www.aeenewengland.org](http://www.aeenewengland.org)**

#### **New England AEE Annual Energy Outlook Forum - 2008**

This year's New England Association of Energy Engineers' Annual Energy Forum will be held at the Raytheon Headquarters, at 870 Winter Street in Waltham, Massachusetts on Wednesday, January 9, 2008.

The Forum is titled "Pertinent New England Energy Issues - Capacity, Renewable Energy, Energy Conservation, & Energy Pricing"

The first half of the meeting will feature Energy Professionals from the Commonwealth, a local Electric Utility, and a regional Energy Provider.

After the break, the second half of the meeting will feature Energy Professionals consisting of an Energy Consultant, a Representative from the MTC, and an Industrial End-user.

Additional time has been inserted for a greater amount of networking before, during, and after the Forum.

All of us at the New England Chapter of the Association of Energy Engineers, as well as, all our Corporate Sponsors and Members will benefit from this forum, and we encourage all of you to reach out to your associates, customers and friends and extend a invitation to attend this most informative and valuable presentation.

Continued page 2

#### **2007 Chapter Officers**

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**James Donnelly**  
Siemens Building Technologies  
781-774-8314  
[jim.donnelly@siemens.com](mailto:jim.donnelly@siemens.com)

*Vice President*  
**Ron Gillooly**  
National Grid  
508-922-6835  
[ronald.gillooly@us.ngrid.com](mailto:ronald.gillooly@us.ngrid.com)

*Treasurer:*  
**Arthur Orenberg**  
A. Orenberg Associates  
781-862-1771  
[arthur1771@aol.com](mailto:arthur1771@aol.com)

*Secretary:*  
**Robert A. Di Giandomenico**  
NSTAR Gas  
781-441-3847  
[robert.digiandomenico@nstar.com](mailto:robert.digiandomenico@nstar.com)

*Newsletter Editor:*  
**Roger Goldman**  
Worcester Housing Authority  
508-635-3312  
[energyguy@verizon.net](mailto:energyguy@verizon.net)

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Siemens Building Technologies  
781-774-8360  
jarmstrong@siemens.com

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National Grid  
508-421-7299  
francis.boucher@us.ngrid.com

### Brian Crafts

FMC Technologies  
978-649-0145  
bcrafts@fmc-technologies.com

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NSTAR Electric & Gas  
781-441-8166  
andrew.coffin@nstar.com

### Richard J. Costello\*

(Past President AEE-National)  
Acela Energy Group, Inc.  
781-255-0316  
richard.costello@acelaenergy.com

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EMA  
508-533-1128  
smd@energymgtassoc.com

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508-482-1238  
joseph.hall@us.ngrid.com

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860-633-4914  
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H2O Applied Technologies  
617-574-1192  
dmacintosh@h2oappliedtech.com

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NSTAR Electric  
781-441-8703  
nelson.medeiros@nstar.com

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617-261-8911  
stephen.murphy@suezenergyna.com

### Dinesh Patel

DP Energy Solutions  
339-364-0441  
dpatel707@msn.com

### Kathleen Stanley\*

Energy Advocates LLC  
508-297-1933  
energyadvocates@comcast.net

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617-335-3589  
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781-729-3790  
dan\_wheatley@msn.com

\* indicates Past President

Please remember to pre-register for this event, as well as, bring a photo ID with you for security purposes to enter the facility.

Happy Holidays

Richard Costello

New England AEE Board of Directors

SEE LAST PAGE FOR MEETING AGENDA

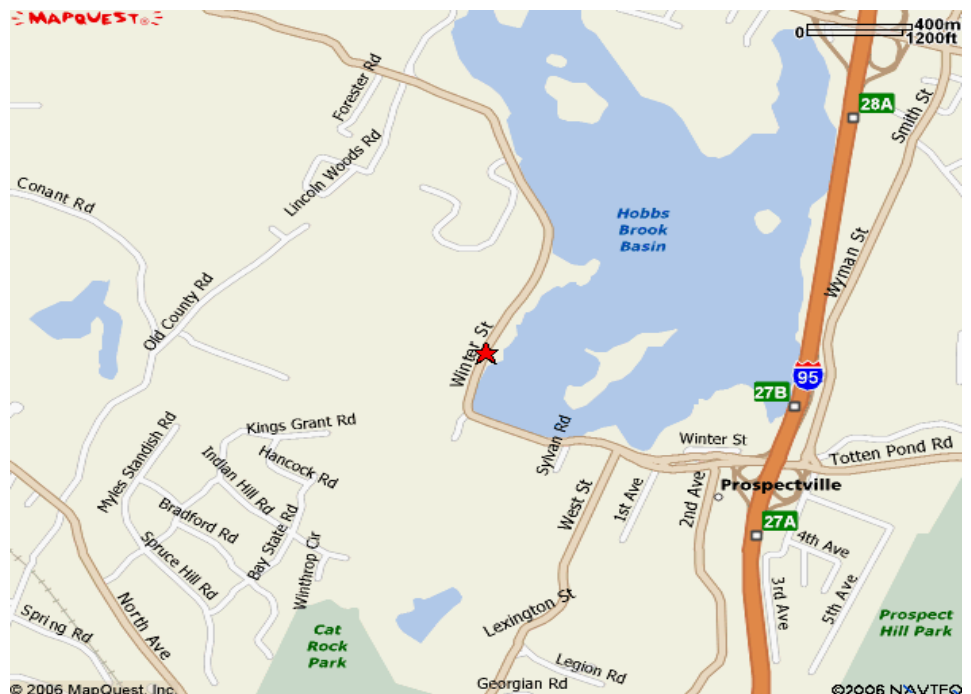
To register: call (781) 446-0125 or email to: [arthur1771@aol.com](mailto:arthur1771@aol.com)

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Register and Pay Online at [AEENewEnglang.org](http://AEENewEnglang.org)

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The New England Chapter or the Association of Energy Engineers, AEE-NE, has not investigated and expressly disclaims any duty to investigate, any product, service, process, procedure, design, or the like which may be presented by any of the presenters or Chapter Officers at any AEE-NE meeting or function. The presentation of any technical data or editorial material at these events does not constitute endorsement, warranty or guaranty by AEE-NE of any product, service, process, procedure, design of the like. AEE-NE does not warrant that any of the information presented at these events is free from errors. The entire risk of the use of any information presented is assumed by the user.



Raytheon Headquarters – 870 Winter Street, Waltham, Massachusetts

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*Jim Donnelly*

Chapter President

Our Annual Chapter Sponsors Night went off this past week without a hitch. We enjoy showcasing these wonderful companies and organizations and hope that you'll look for ways to incorporate their unique services into your next project. Special thanks go out to Brian Crafts and Ron Gillooly for organizing this year's event.

Once again, Dan Wheatley did a tremendous job as our Scholarship Chairman. Due to his efforts and our healthy treasury, we were able to award ten scholarships this year to deserving students who are pursuing degrees in engineering and/or related disciplines. We had the chance to meet many of the recipients at this month's meeting and we very much look forward to their graduation and hopefully, their application for employment. They certainly are entering our industry at an excellent time!

We're gearing up for a very active schedule during 2008 and we'll kick it off with our Annual Energy Outlook Forum on January 9<sup>th</sup>. Like last year, this event will be hosted by Raytheon Corporation at their Waltham, MA headquarters. This event is shaping up to be our biggest and best yet, with an all-star lineup of speakers. We hope you'll be able to join us.

As we come to the end of another successful year, it's great to look back and reflect on all the wonderful things that have transpired during the past twelve months. I'm certainly grateful to each of you who have contributed your time and your talents to making this the premier energy engineering organization in the country. I'd like to personally wish you and your families the very best during this Holiday Season and please allow me to be the first to wish you a very Happy New Year!

*"Though no one can go back and make a brand new start, anyone can start from now and make a brand new ending!" -Author Unknown*

**Become a  
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Contact Arthur -  
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For More Information**

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## AEE New England -- Energy Project Awards

AEE New England is looking to recognize innovation and ingenuity in the local energy industry. We would like to identify successful energy related projects and present awards at one of our upcoming meetings. Energy related projects need to have been completed between January 1st 2005 and December 31st 2007. Please submit a brief description of your project that shows a unique perspective to saving energy through physical retrofits of a facility, optimizing the controls or influencing behavioral modifications. Submittals should clearly demonstrate the savings in the areas of water, sewage, electricity, natural gas, heating oil, propane or emissions reductions. Your application should include the following information:

- 1) A brief project description (no more than one page)
- 2) A summary of the projected savings identified in the project
- 3) What rebates, incentives or tax breaks were identified as part of the work.
- 4) A description of the facility including the location, building type, building size, primary use (retail, office, etc.) and any unique characteristics.

These project/award descriptions may be developed and submitted by the designer, energy engineer, owner or utility involved in the projects. We would like to recognize both the owner and the implementer of the project.

Please send all project submittals to the following email address:

[jarmstrong@siemens.com](mailto:jarmstrong@siemens.com).

All submittals must be received prior to January 15th 2008.

We look forward to highlighting your achievements and recognizing the best projects in the region.

Thank you in advance for your participation,

AEE New England  
 Awards committee

**Chapter Sponsor Night** For more information on all our Chapter Sponsors please visit our website at [www.aeenewengland.org](http://www.aeenewengland.org)





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The Association continues to thrive in New England. Our monthly meetings provide the opportunity to network and stay up-to-date with latest policies, technology and legislation. Our Board and volunteers work hard to educate and sustain a local workforce of experts on energy. And the CT Chapter is rising like a phoenix.

AEE NE made an overture to Mass. Maritime to start a Student Chapter. We expect to offer the CEM and perhaps other certificate programs. We have plans for a Members Directory in '08. With more volunteers, we can maintain your and our market positions.

Opportunities for energy engineers abound, especially entry level. More colleges differentiate themselves by offering energy courses and programs. There is a great a need for training modules over a huge range of content and technology.

If you are expert on a particular issue, why not let us help you reach a wider or target audience? AEE Trade shows may be a good way to test drive or market your product.

We also welcome your guidance for programs we do not offer, but perhaps should. None of us can be experts on every issue but collectively, we can be. Is there a better time to invest in your own professional development?

Happy Holidays! J.Hall, AEENE PR Chairman [joseph.hall@us.ngrid.com](mailto:joseph.hall@us.ngrid.com)



Our New England chapter was successful in awarding ten \$1000 college scholarships for this academic year. The scholarship winners are all New England students and were announced at our December meeting.

**Southern Air**

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**Sprague Energy**

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716-695-1103 x143

**IGNITE CLEAN ENERGY****Business Presentation Competition**

Sponsored by the MIT Enterprise Forum Energy Special Interest Group, the Ignite Clean Energy (ICE) Competition began in 2004 to stimulate the growing clean energy industry in New England. It provides start-up clean energy companies and entrepreneurs with the opportunities and resources to develop business skills, network with industry professionals and the chance to attract potential investors. The winners will be awarded a total of \$200,000 in cash and services.

The competition runs from February-May and competitors receive hands-on support from industry mentors who provide the knowledge and skills needed to attract investors and to build a sustainable company. Students and professionals can sign up to participate in the competition.

For more information, please visit [www.ignitecleanenergy.com](http://www.ignitecleanenergy.com) or contact Cristina Vieira at (617) 266-4333 x246 [cvieira@bostonsearchgroup.com](mailto:cvieira@bostonsearchgroup.com)

**New England Chapter Sponsored Events**

(Subject to Change)

<i>Date</i>	<i>Topic</i>	<i>Meeting Mgrs</i>
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 J. Armstrong</b>
March 4 <sup>th</sup>	Energy Industry Job Opportunities	<b>F. Boucher</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>

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



**ICF International** ([www.icfi.com](http://www.icfi.com)) provides a portfolio of strategy, analysis, advisory services, and implementation tools to clients in the energy sector. **We are seeking two professionals to join its Energy Efficiency team in the Northeast region.**

The **Technical Specialist/Energy Engineer** will work in support of utility sponsored programs that encourage energy efficiency. This position will be based out of the **Boston/Lexington, MA** area.

Key Responsibilities Include:

- Interact with architects, engineers, developers, housing authorities, and facility managers to motivate them to incorporate energy efficiency upgrades into new construction and existing buildings
- Analyze the energy performance of multifamily and commercial buildings, including new construction and existing facilities, to determine cost-effective energy efficiency upgrades and, as necessary, renewable energy systems
- Conduct on-site energy audits and coordinate building commissioning as needed
- Provide technical assistance and guidance on energy efficient and renewable energy technologies to companies participating in utility sponsored programs
- Prepare project status reports to accurately monitor progress towards utilities' energy efficiency goals, completion of contract deliverables and report annual achievements (units delivered, kW and kWh achieved, emission reductions, etc.)

Qualifications:

- Bachelor's degree (concentration in engineering, environmental science, or energy resources) required / Master's preferred and a minimum of 3-5 years of relevant experience
- Excellent oral and written communication skills
- Advanced quantitative skills
- Highly developed interpersonal and customer relationship management skills
- Strong personal computer skills (Microsoft applications)
- Knowledge of the energy modeling using DOE-2, energy auditing, and ASHRAE Standard 90.1-2001 is essential

The **Account Manager** will play a significant role in the implementation of energy efficiency programs in **Massachusetts, New Hampshire and Maine**. This position will be an on-the-road position. The ability to accommodate week-long business trips on a regular but not weekly basis is necessary.

Key responsibilities include:

- Recruiting program participants
- Developing and maintaining strong client relationships
- Developing and implementing sales strategies
- Preparing and delivering persuasive presentations
- Participating in relationship building activities

Qualifications:

- Working knowledge and/or experience in a combination of the following areas: energy efficiency technologies and products (especially energy-efficient gas appliances), HVAC, and marketing or sales preferably to or with wholesale suppliers
- Bachelor's degree and 3+ years of hands on experience
- Sales ability and experience
- Strong oral and written communication skills
- Analytical abilities
- Proficiency with Microsoft Office applications

Results-oriented person with excellent time management skills and attention to detail

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

Date	Event	Reservations and More Information
<b>Massachusetts Technology Collaborative (MTC)</b> High Performance Green School Workshops January 10 <sup>th</sup> Great Falls MS / Turners Falls HS, <b>Montague, MA</b> January 17 <sup>th</sup> Woburn Memorial HS, <b>Woburn, MA</b>		<b>RSVP:</b> <a href="mailto:greenschoolworkshops@masstech.org">greenschoolworkshops@masstech.org</a>
Jan. 23-25 <sup>h</sup> 7:30 AM – 5:30 PM	<b>Massachusetts Energy Efficiency Partnership (MEEP)</b> Fan System Assessment Tool Qualified Specialist Training <b>UMASS Amherst</b>	Online Registration: <a href="http://www.maeep.org/events.cfm?recID=96">http://www.maeep.org/events.cfm?recID=96</a>
Dec. 31 <sup>th</sup> 8:00 AM – 4:30 PM	<b>Massachusetts Energy Efficiency Partnership (MEEP)</b> Pump System Assessment Training <b>Cape Cod Community College (MA)</b>	Online Registration: <a href="http://www.maeep.org/events.cfm?recID=99">http://www.maeep.org/events.cfm?recID=99</a>
January 17 <sup>th</sup>	<b>AFE #74 – Wachusett Mountain Snow Making Tour</b> <b>Princeton, MA</b>	Don Gillis 617-658-7706 <a href="mailto:gillis@bbri.org">gillis@bbri.org</a> <a href="http://www.bbri.org">www.bbri.org</a>
Tuesday January 8 Time: 6:30 PM	<b>ASHRAE Boston Chapter – SPC 189</b> <b>Waltham, MA</b> Joint Meeting with IES	<a href="http://www.ashraeboston.org">www.ashraeboston.org</a>
	<b>The Green Roundtable</b> “Green Design & Operations of Museums”	<a href="http://www.greenroundtable.org/">http://www.greenroundtable.org/</a>
June 16-20, 2008	<b>Liquid Transportation Fuels from Biomass: Technology and Policy Consideration</b> <b>Cambridge, MA - MIT Campus</b>	Online Registration: <a href="http://web.mit.edu/mitpep/pi/courses/liquid_transportation_fuels_biomass.html">http://web.mit.edu/mitpep/pi/courses/liquid_transportation_fuels_biomass.html</a>
August 4-8, 2008	<b>Renewable Energy: Capturing the Sun</b> <b>Cambridge, MA - MIT Campus</b>	Online Registration: <a href="http://web.mit.edu/mitpep/pi/courses/renewable_energy_sun.html">http://web.mit.edu/mitpep/pi/courses/renewable_energy_sun.html</a>
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>	





**Pertinent New England Energy Issues  
Capacity, Renewable Energy, Energy Conservation, & Energy Pricing**

**Wednesday Morning, January 9<sup>th</sup>, 2008**

**A forum addressing the current status of electrical capacity, renewable energy funding, energy efficiency rebate programs and energy prices across New England.**

**Sponsored by the New England Association of Energy Engineers  
Graciously Hosted by**

**Raytheon**

**Waltham Woods Office Park, 870 Winter St., Waltham, Mass  
Valid Picture ID and pre-registration is required for admission  
For reservations call 781-446-0125 or email to: arthur1771@aol.com  
\$50.00 per person**

\*\*\*\*\*

**7:30 – 8:30 – Registration, Continental Breakfast, and Networking**

**8:30 – 8:35 Opening Remarks – Jim Donnelly – Chapter President – AEE New England**

**Introduction of Speakers – Stephen Murphy – Suez Energy**

**8:35 – 9:00 Presentations #1 – Phil Giudice – Commissioner – Mass DOER  
“Status of the State’s Stance towards Renewable Energy and Energy Conservation**

**9:00 – 9:30 Presentation #2 – Frank Gundal – Manager, Products & Services - NSTAR  
“Current & Future Energy Conservation & Renewable Energy Programs at NSTAR”**

**9:30 – 10:00 Presentation #2 – Speaker to be Determined – Constellation Energy  
“Status of Natural Gas Costs for New England and Resulting Power Prices”**

**10:00 – 10:30 – Coffee Break / Networking**

\*\*\*\*\*

**Introduction of Speakers – Kathy Stanley – Energy Advocates**

**10:30 – 11:00 Presentation #3 – Richard Costello – President – Acela Energy Group  
“Technological Advancements in Small Wind Power, and the Economics Associated with these Projects in Massachusetts”**

**11:00 – 11:30 Presentation #4 - Jon Abe – Senior Project Manager - MTC  
“Status of Commercial Programs at the Massachusetts Technology Collaborative”**

**11:30 – 12:00 Presentation #5 -David Chamberlain, Principal Energy Engineer, Raytheon  
“Sustainability Programs being implemented at Raytheon”**

**12:00 – 12:30 Forum Wrap-up - Richard Costello, Acela Energy Group  
Attendee & Presenter Networking**