Rate payers are now considered “customers” and utilities are moving beyond the meter, presenting real time data to customers, and controlling equipment to reduce peak demand in load constrained areas. National Grid’s Keith Miller will review their Smart Energy Solutions pilot involving 4,500 homes fitted Home Area Network (HAN) devices and the connecting Distribution Automation. The project encompasses varying rates that incentivize customers to reduce usage during peak events. An overview of the solution will be presented.

The speakers will also discuss related utility programs and budgets including demand response and energy efficiency. This will include a discussion of the major changes in play for the 2015 efficiency programs.

Keith Miller is a Lead Project Manager with National Grid based in Waltham, MA. During his tenure at National Grid, Keith has managed R&D energy efficiency programs in Massachusetts and Rhode Island. He has been involved in the design, testing and installation of multiple Home Area Network (HAN) platforms. He has investigated demand response, reliability, and customer acceptance of HAN technologies. Most recently, Keith led the Home Energy Management (HEM) lab testing and managed the HAN deployment for the Smart Energy Solutions pilot in Worcester, MA.

Tom Coughlin is Manager of Technical Strategy and Policy at National Grid. For nearly 25 years, Tom has been active in the design, implementation and evaluation of C&I energy efficiency programs. He holds a BS in Mechanical Engineering from the University of Maine.
**Please register and pay on-line at** [http://aeenewengland.org](http://aeenewengland.org)

| Price: | $55.00 AEE Member ticket  
| $45.00 Earlybird rate before March 3  
| $55.00 Guest (non-AEE Member) ticket  
| $50.00 Earlybird rate before March 3 |

**Disclaimer:**
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.

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**Mark your Calendar!**

**AEE’s ANNUAL PRODUCTS SHOW**

**Wednesday, April 8th 2015 -- Embassy Suites Hotel Waltham, MA**

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

**3 p.m. - 7 p.m.**

**Sponsors:** Reserve Your Exhibit Table, Present a Workshop, Network with energy efficiency professionals

The AEE’s Annual Products Show is scheduled for Wednesday, April 8th 2015 from 3pm – 7pm at the Embassy Suites in Waltham, MA. For this year’s Show, we are increasing our promotional outreach and adding Workshops to attract additional attendees, so mark your calendars! Complete registration and workshop information will be posted on our website and in the March Newsletter.

**Sponsoring the Local Chapter Guarantees Your Table at the Product Show**

The chapter’s Annual Products Show is a great way for companies like yours to renew or begin your AEE New England chapter sponsorship. There are approximately 35 - 50 exhibit spaces available at the Product Show and an estimated 150 attendees are expected. Existing Chapter Sponsors are guaranteed a space at the Show and new Sponsors on a first-come basis. Sponsorships are $350 for Silver Level, $650 for Gold Level, and $1,000 for Platinum Level. Included with your sponsorship is a free exhibit table at the Product Show and one or more free admissions.

To become a Sponsor, go to the AEE-NE Sponsor’s web page - [http://aeenewengland.org/content.php?page=New_or_Re_New_Sponsorship](http://aeenewengland.org/content.php?page=New_or_Re_New_Sponsorship) and just select the level at which you would like to support the local chapter. **To guarantee a table at the Product Show, you must become a Sponsor by Feb 27th.**

**Call for Workshop Presenters!**

We will be hosting several workshops at the Show and are actively recruiting workshop presenters. If you are interested in submitting a presentation for consideration, please email a short description and the presentation (if currently available) to: [jodi.beebe@clearesult.com](mailto:jodi.beebe@clearesult.com) by **5 p.m. on Friday, February 20th.** We will notify selected presenters by March 1st. Final presentations will be due by March 25th. Please include any details about whether your presentation has previously received CEU credits. If you have an innovative topic or product, we’d love to hear from you. This is a great way to get your idea and product in front of energy efficiency professionals.

If you have any questions, please contact Joe Hall at [jhall72@verizon.net](mailto:jhall72@verizon.net). We look forward to seeing you at the April Product Show!
Greetings – March 2015

Our February meeting on Commercial Zero Net Energy Buildings was a great success. It was fascinating to learn that even in our harsh New England climate, we have the capability today to build office buildings, classrooms, and even labs that generate as much energy on site as they use each year. This is only possible with extra attention to the design details, using the highest efficiency equipment and materials, and paying very close attention to the building enclosure.

Looking ahead, our March 4th meeting will be the annual joint meeting with ASHRAE. The topic will be Smart Grid and Utility Programs. Utilities are moving beyond the meter, presenting real time data to customers, and controlling equipment to reduce peak demand in load constrained areas. National Grid is conducting a smart grid pilot in Worcester, MA called Smart Energy Solutions. Keith Miller is the Lead Project Manager for Smart Energy Solutions and will provide an overview of the program. Tom Coughlin of National Grid will also provide us updates on related utility programs.

Mark your calendars: April 8, 2015 AEE-NE Products and Services Show!

New to the show this year will be numerous seminars and workshops with the ability to earn CEUs. We have also expanded the show hours to begin at 3 p.m. to provide more scheduling flexibility for attendees. If you are interested in exhibiting at the show and/or if you want to propose a seminar topic contact us at sponsorship@aeenewengland.org

Finally, I’m told that underneath the four feet of snow, there is still some grass just waiting to turn green! Hoping that is true, we have scheduled the AEE-NE Golf Outing for June 17, 2015 at the Shaker Hills Country Club in Harvard, MA.

Think Spring!

Regards,

Sam Nutter
Chapter President

Job Announcements

For a listing of all positions posted through AEE-NE please check our job board:

http://aeenewengland.org/classifieds.php?type=job

PROJECT ENGINEER - CSG  (Continued on page 4)
Position Opening: PROJECT ENGINEER - CSG

Job Summary
To support our growth, CSG is currently seeking a Project Engineer to join our Building Performance Consulting team located in Westborough, MA. The selected candidate will perform energy calculations, review project plans and technical specifications, and conduct field inspections at commercial facilities. In addition, they will schedule and conduct inspections with participating customers and/or contractors, and assist with the development and implementation of QA/QC programs, plans and procedures.

This position requires experience with utility energy efficiency programs and knowledge of energy efficient technologies associated with commercial building systems. Knowledge of energy efficient technologies and practices related to lighting, motors, HVAC systems, commercial building energy technologies or experience in the building trades is a plus.

Responsibilities
- Working as part of the Building Performance Consulting team, ensure that the evaluation, implementation and verification of energy efficiency projects are successfully executed.
- Effectively communicate technical information to non-technical audiences.
- Interface with customers and contractors participating in utility sponsored programs
- Provide technical assistance and guidance on energy efficient technologies and practices to companies participating in utility-sponsored programs.
- Review technical specifications, engineering calculations and cost estimates for energy efficiency projects
- Conduct lighting and other energy using equipment surveys to verify installation and operation of energy efficient equipment
- Keep and maintain detailed records and provide accurate information for program reports.
- Coordinate with or follow up on program quality control activities such as inspections and customer surveys as appropriate

Skills and Experience (must include some or most of the following)
- Degree in engineering preferred or equivalent experience
- Energy audits and energy savings calculations; ability to perform diagnostic testing
- Lighting retrofit assessments, designs, and installation management
- HVAC system assessment, operations and maintenance
- Experience with design, installation, and commissioning of energy efficiency projects
- Interacting with business owners, representatives and other key stakeholders
- Solid knowledge of construction, building science and energy codes
- Proven oral and written communication skills
- Proficient in Microsoft Word, Excel, Outlook, PowerPoint, plus AutoCAD and/or Revit
- Detail oriented and the ability to balance and manage multiple tasks and deadlines
- Excellent client services skills, and the ability to manage customer needs and expectations so as to secure ongoing services or new requests for proposals from existing clients
- Strong knowledge of the local New England high performance green building industry

Miscellaneous
Additional duties as determined by management
2014-2015 AEE New England Chapter Future Meeting Topics
(subject to change)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Date</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Smart Grid and Utility Program Updates</td>
<td>March 4th</td>
<td>Waltham</td>
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<tr>
<td>Annual AEE-NE Energy Product &amp; Services Showcase</td>
<td>April 8th</td>
<td>Waltham</td>
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<td>AEE-NE Energy Awards</td>
<td>May 6th</td>
<td>Waltham</td>
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<tr>
<td>15th Annual AEE-NE Golf Outing</td>
<td>June 17th</td>
<td>Harvard, MA</td>
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Upcoming Events & Energy Connections
(subject to change)

Massachusetts Department of Energy Resources
http://www.mass.gov/eea/energy-utilities-clean-tech/energy-efficiency/
This agency oversees all the efficiency and renewable energy programs in the Commonwealth of Massachusetts. Their website has much information on programs, grants, and policy developments that impact our industry.

Massachusetts Energy Efficiency Advisory Council (MA EEAC),
http://www.ma-eeac.org/

Clean Energy Center – Clean Energy and Affordable Housing Symposium and Expo
(http://www.masscec.com/)

Rhode Island Office of Energy Resources
http://www.energy.ri.gov/index.php
Register for email notifications of upcoming events-
http://www.energy.ri.gov/meetings/
This agency oversees all the efficiency and renewable energy programs in Rhode Island. Their website has much information on programs, grants, and policy developments that impact our industry.

Rhode Island Energy Efficiency and Resource Management Council
http://www.rieermc.ri.gov/
The RIEE&RMC works with National Grid (the only RI utility) and other stakeholders to establish and oversee the goals and budgets of the RI energy efficiency programs.

Efficiency Maine
http://www.efficiencymaine.com
This is the statewide energy efficiency agency for Maine that offers rebates, incentives, and other programs for businesses and consumers. Their website also has information about trainings and links to other resources.
Restructuring Roundtable  

The Restructuring Roundtable is held 5-6 times per year and presents current topics related to energy efficiency, energy supply, renewable, and public policies. These events are free to the Roundtable Sponsors but require a fee for the general public. Everyone must preregister.  
http://clickstreamtv.com/raabevents/ Online streaming is also available.

Northeast Commerce and Energy Association (NECA)  

NECA promotes environmentally sound, reliable and cost-effective wholesale and retail markets for the production and delivery of electric power supply, as well as competing energy services and resource alternatives, including conservation, innovative demand-side and power delivery technologies, renewable energy and distributed generation.

Affordable Comfort Institute (ACI)  
[http://www.affordablecomfort.org](http://www.affordablecomfort.org)

Announcing the merger of Affordable Comfort, Inc. (ACI) - [http://www.affordablecomfort.org](http://www.affordablecomfort.org) and the National Home Performance Council (NHPC) - [http://www.nhpci.org/](http://www.nhpci.org/), the Home Performance Coalition unites the many voices of the home performance and weatherization industry, analyzes industry trends and issues, provides education to advance the standards and practices of our industry, and supports collaboration and business development through all sectors. The Home Performance Coalition is currently creating a new website to meet the needs of home performance and weatherization professionals from every sector and will be launching it right here at [www.homeperformance.org](http://www.homeperformance.org) very soon.

ASHRAE Boston-Monthly Meeting  
**Date:** Wednesday, March 4th   - Embassy Suites, Waltham MA  JOINT AEE Meeting  
**Topics:** Smart Grid Case Study (main meeting) & Heat Pipes (tech session)  
[http://www.ashraeboston.org/upcoming-events/calendar.html](http://www.ashraeboston.org/upcoming-events/calendar.html)

AFE Chapter 33: Monthly Meeting  
**Date:** TBD  
**Topic:** Tour (TBD)  

AFE Chapter 74: No Monthly Meetings will be held in November and December  
**Date:** Feb Tour (exact date TBD )  
**Topic:** Tour (TBD)  
[http://afe74.org/](http://afe74.org/)

NESEEA TRADE SHOW  Building Energy 15  
[http://nesea.org/](http://nesea.org/)  
March 3 - March 5