

ISSUE

05

WINTER  
2009

# Association of Energy Engineers

Capital Region Chapter

[www.aeecapitalregion.com](http://www.aeecapitalregion.com)

## Upcoming Meetings

**November 11, 2009**

NYSERDA Programs and Opportunity Notices – All You Ever Want to Know!

## 2008 Chapter Officers

### President

Ed Smyth  
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### Vice President

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### Treasurer

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### Secretary

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## NYSERDA Programs and Research, Development, and Innovation PONs: The Latest for You and Your Customers

*New York Capital Region Chapter of AEE*

**November 11, 2009**

**Time: 6:30 – 8:00 pm**

**At the conveniently located Best Western  
1228 Western Ave, Albany  
(app. 1 mile south of Stuyvesant Plaza )**

**\$25 members**

**\$30 guests and not-yet members**

RSVPs kindly required

Please join us at the Best Western for a fabulous hot Italian buffet and another informative presentation sponsored by your local AEE chapter. Enjoy Chicken Piccata (boneless breast of chicken with wine, butter and lemon sauce) or Whiskey Peppercorn Sirloin (Char-grilled tender sirloin tips tipped with cracked peppercorn whiskey sauce) along with salad and dessert.

This month's presenters is Dana Levy of NYSERDA, who will provide information and updates on the latest and upcoming NYSERDA PONs for research, innovation, and business development; and Ed Smyth, who will highlight key NYSERDA Energy Smart programs, services, and resources for your existing building customers and new construction projects.

RSVP to Jim Day by November 9:

[Day-James2@aramark.com](mailto:Day-James2@aramark.com) or (518) 433 -0771 ext. 230

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## Letter from the President

Workforce development and training are becoming more important to our industry, especially in light of the stimulus funding to support these efforts.

You'll see a mention of a NYSERDA-supported Certified Energy Manager training seminar coming up this November, with special pricing for K-12 and State employees. This is a start of additional training opportunities that will begin to unfold in the coming year, and gradually expand across sectors and needs.

Our commitment to you is to serve as a channel of direct learning through all the resources that we have as your upstate chapter, and as part of the national association. We'll continue to concentrate on the fun and informal learning we do through our lunch and dinner presentations, and plan to collaborate with NYSERDA for opportunities to bring future AEE certification workshops.

In the meantime, keep sharpening your saw any way you can! AEE constantly offers a stream of in-person and web-based training opportunities. If you're a national member, you get those updates at least once a week.

Don't forget our related professional chapters as well. I and other local AEE members have attended the local chapter events for ASHRAE (American Society of Heating, Refrigeration, and Air Conditioning), IES (Illuminating Engineering Society), and AWMA (Air Waste Management Association), all which allow you to sharpen your knowledge on HVAC, lighting, controls, and power generation – all the things we work on, analyze, or consult in our worlds.

See you at the next AEE chapter meeting..!

Thank you,

*Ed Smyth*

Chapter President

## Calendar of Events

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### Fall Calendar of Events

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### 2010 Planned Events

Check our calendar updates for further details

January 2010

"Small Scale PV and Biodiesel"

February 2010

"Advances in Building Envelope Design"

March 2010

"Renewable Generation for Small Commercial Applications"

April 2010

"Performance Contracting"

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## Items of Interest

### Green Jobs:

Click on the links below for results on The Green Energy Industry and Renewable Industry.

<http://www.aeecenter.org/shows/PDFs/SurveyofTheGreenEnergyIndustry.pdf>

<http://www.aeecenter.org/shows/PDFs/2009EnergySurvey.pdf>

### Economic Stimulus Package:

To learn more about what each state has been awarded stimulus dollars:

<http://www.energy.gov/recovery/>

### Energy Efficiency and Renewable Energy Projects- Federal Economic Recovery

<http://www.nyscrda.org/pdfs/EconomicStimulusFunding.pdf>

<http://www.nyscrda.org/economicrecovery/blockgrants.asp>

### ASES National Solar Conference in NY:

[http://www.ases.org/index.php?option=com\\_content&view=article&id=18&Itemid=18](http://www.ases.org/index.php?option=com_content&view=article&id=18&Itemid=18)

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## Certified Energy Management® Seminar

The New York State Energy Research and Development Authority (NYSERDA) is pleased to host a five day comprehensive training seminar developed by the Association of Energy Engineers, which will conclude with the Certified Energy Manager (CEM®) exam. This package is offered by NYSERDA for only \$499 for K-12 Schools/State personnel or \$999 for participants from private organizations and includes the class, all class materials, administration fees associated with the exam, and breakfast and lunch for all five days. Please see below for CEM® Training eligibility requirements.

### Eligibility\*

The prerequisites to qualify for the certification process are designed to account for individual diversity in educational and practical experience. To take this training course and sit for the exam, all candidates must meet one of the following criteria:

- A four-year engineering or architectural degree, a registered Professional Engineer (P.E.), or a Registered Architect (R.A.), with at least three years of experience in energy engineering or energy management.
- A four-year business or related degree, with at least five years of experience in energy engineering or energy management.
- A two-year technical degree, with eight years of experience in energy engineering or energy management.
- Ten years\* or more verified experience in energy engineering or energy management.

Note: Letters of reference and verification of employment must be submitted.

### November 9 - 13

Hilton Garden Inn  
1381 Washington Ave  
Albany, NY 12203

Although lodging is not provided as part of this registration; the Hilton Garden Inn welcomes attendees at the NYSERDA rate of \$99 per night (plus taxes and fees). Sign up now, as space is limited to 35 participants.

To sign up please contact Travis Sleight at TRC Energy Services:

P: 518-688-3119

F: 518-348-1194

E: [Tslight@TRCSolutions.com](mailto:Tslight@TRCSolutions.com)

TRC is under NYSERDA contract to support this training event.

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## HEATING PLANT Maintenance tips for residential multifamily building owners, property managers, and building superintendents

by Yigit Guptas, L&S Energy Services

Those of you that are facility managers of multifamily properties have the busiest time of the year coming up. Over the years, we've accumulated a number of strong tips to ensure your heating system works effectively, efficiently – and, won't break down in the middle of a January night!

### Weekly heating plant maintenance tips:

- Blow down all water valves as needed, and if your boiler water is chemically treated, check chemical levels. Not having desired chemical levels (when needed) will contribute to corrosion and lessen the life of your system.
- Check the oil strainer for any impurities.
- Make sure the fire eye and smoke detector lenses are clean. If not, use a soft cloth to gently clean the detector surfaces. Test your fire eye sensor by placing a flat thin object between the sensor and light source (such as a clipboard). If you can't hear your fire eye warning alarm buzzing, call your contractor. If you hear the alarm buzzing, wait for 90-120 seconds and make sure that the system goes into automatic shut-down. If system is not shutting down, call your contractor to diagnose and repair as needed.
- Check for sign of soot in the fire chamber, around the tubes (if applicable), and heat exchanger areas. For a boiler to effectively transfer heat, the combustion chamber must be kept clean of soot build-up. Soot build-up arises as a by-product of the normal function of the combustion chamber. But soot also acts as a natural insulator. Every 1/16" of soot build-up reduces boiler efficiency by 4.5%.
- Check the flame color. Healthy fuel/air mix will make your system more efficient, while a lazy orange flame indicates problems with your fuel/air mix.
- Check if the barometric damper is operating properly.
- Check the combustion efficiency of your boiler. Low efficiency means money going up the chimney, as well as all the warmth you desired from your system.
- Check level of lubrication in all motors, burners, and lubricate as necessary.
- Check the heat timer/controller settings, pins and clock time (if applicable).
- Check operation of the low water cut-off by blowing down valve. If your low water cutoff is not operating properly, call your contractor immediately. Clean the burner fuel nozzle before the heating season. Keep the boiler room clean of any loose debris. Make sure fresh air intakes are not clogged with leaves and other debris.
- Check for chimney soot build-up, and get the chimney cleaned if necessary.

Click here for the rest of the article

<http://aeecapitalregion.com/admin/newsletters/uploadednewsletters/Winter-Maintenance-Tips-Yigit-Guptas.pdf>

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## Career Section



## Energy Professionals Needed:

**Natek Corporation** - The Premier Energy Recruiting and Placement Firm has immediate Local and Nationwide openings.

### Current Openings include:

- Energy Engineers & Managers
- Energy Account Executives & Sales Managers
- Energy Construction Managers / Project Managers
- Director of Engineering & Construction

**Excellent potential for greater career growth & financial rewards.**

"Let Natek be your CAREER COACH of this ever changing Energy marketplace"

Please visit our site at <http://www.natek.com> for a list of current job descriptions and helpful Energy links or Contact Mark Dillon @ 583-0456 or [mdillon@natek.com](mailto:mdillon@natek.com).

All inquiries are in strict confidence.

## Chapter Dues: Membership

### 2009 Local Membership Application Form

We invite you to renew your membership or join the NY Capital Region Chapter of Association of Energy Engineers. The NY Capital Region Chapter is a non-profit organization designed for all types of professionals in the energy industry. The goal of the Chapter is to provide informative, topical, educational meetings that will bring together individuals with the same interest to network and to help you to keep current on the latest topics in the energy field. Local dues pay for mailings, web and local meeting costs.

National membership is separate from local chapter membership. The chapter receives financial credit for every local member who is also a national member. Dues are as follows (circle one):

Professional membership:	<b>\$15</b>
Student membership:	<b>No charge</b>
<u>Gold</u> Corporate/organizational membership: <i>Includes up to five (5) professional memberships and a business card-sized listing for your organization in the chapter newsletter</i>	<b>\$150</b>
<u>Platinum</u> Corporate/organizational membership: <i>Same as above with unlimited number of members within the organization</i>	<b>\$250</b>
<b>Additional voluntary amount for EE chapter scholarship fund:</b>	<b>\$ _____</b>

Please:

Fill out the information below

Return with a check payable to "NY Capital Region AEE" to:

John Moynihan, Treasurer

NY Capital Region AEE

c/o Bette & Cring 22 Century Hill Dr., suite 201, Latham NY 12110

[jmoynihan@bettecring.com](mailto:jmoynihan@bettecring.com)

#### For **INDIVIDUAL MEMBERSHIP**:

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_ Ext: \_\_\_\_\_ Fax: \_\_\_\_\_

Email : \_\_\_\_\_

Are you a National Member of AEE?    Yes    No    Membership No. \_\_\_\_\_

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## Corporate Sponsors



SmartWatt, Energy Services  
12 Corporate Drive  
Clifton Park, NY 12065  
(Tel) 518-348-1076  
<http://www.smartwattinc.com/>

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Clifton Park, NY 12065  
(Tel) 518-383-9405



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