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### Upcoming Meetings

May 7, 2008

June 18th Gala

Invited Speaker -

**Paul Tonko** - former

NYSERDA CEO &

President

### 2008 Chapter Officers

#### President

Todd Baldyga

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## Upcoming Meeting Wednesday - May 7th

### New York Capital Region Chapter of AEE May Meeting Tour of the Bethlehem Energy Center - PSEG Facility

A couple of years ago AEE toured was the "old" side of the plant, now that the new combined cycle plant is built and operating we will get an up close look at the operation!

The Bethlehem Energy Center is a 793 MW state-of-the-art, combined-cycle plant fueled by natural gas. The BEC is located on west shore of the Hudson River in the town of Bethlehem, NY, three miles south of Albany.

The BEC was built to replace the Albany Steam Generating Station, a 376 MW oil/gas plant in operation since 1952, which was purchased by PSEG Power in 2000. The efficient process of combined-cycle technology enables the BEC to use 36 percent less fuel than the Albany Station to generate each kilowatt-hour of electricity. In addition, the BEC is equipped with an advanced closed-cycle cooling system.

The facility is among the cleanest power plants in New York, reducing emission rates of nitrogen oxide and sulfur dioxide by more than 98 percent. The plant draws 99 percent less water from the Hudson River than the old Albany Station. In addition, the project produced significant economic benefits in terms of construction spending, jobs, and increased business activity over the long term.



**Image of the Bethlehem Energy Center - PSEG Facility**

\*\*\*\*\*

When: May 7th

Time: 5:30 pm

Cost: Free

Note: Need to RSVP by May 4th to [wdelacr1@nycap.rr.com](mailto:wdelacr1@nycap.rr.com), as No one will be permitted to enter property if their name is not on the list of attendees.

For information on the Bethlehem Energy Center please visit their website at <http://www.pseg.com/companies/fossil/plants/albany.jsp>.

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## Letter from the President

I would like to take this opportunity to welcome you to the NY Capital Region Association of Energy Engineers newsletter. The newsletter will provide our members with information on current news in the energy field in and around the Capital Region, list upcoming Chapter meeting schedule, previous meetings summary, Corporate Sponsor's section and general information such as training and points of interest. We plan to release the newsletter on a quarterly basis. Since this endeavor is rather new we are more than welcome to constructive feedback.

Our Board is also actively researching the development of our own Chapter's website. Currently we have a website through the National AEE, but it has its drawbacks and we haven't utilized the site since 2006. More to come on this.

This past month we held two joint meetings, one with ASHRAE (see below for more information) and one with AWMA on Wind Energy. Both meetings were very informative and both were heavily attended (75 plus at each). Many members of AEE were in attendance for these luncheon meetings. Correlating the high attendance at these two meetings it seems appropriate to move some of our meetings to lunch time to attract a better crowd. If you have comments please let us know.

Other happenings to be aware of. Two activities are currently underway for the June Gala. Our Chapter is looking to provide a \$1,500 scholarship to be announced at this year's gala. Eligible Students are high school seniors who are planning to attend a 2 or 4 year college in the fall of 2008 and will be majoring in a technical career. See below for more information.

We are also looking for nominations for this year's Awards. Awards are provided for Capital Region Energy Engineer of the Year, Capital Region Project of the Year, and Capital Region Manager of the Year. If you know of anyone whom you would like to nominate, please see the Scholarship section in the newsletter for more information.

Regards,

*Todd Baldyga*

Chapter President

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## Past Meetings

### Greater Efficiency Today, Blue Skies Tomorrow

Innovation Driving Sustainability in the Built Environment

The AEE Capital Region Chapter was graciously invited by the Northeast Chapter of ASHRAE to hold a joint meeting this past month. The presentation was conducted by Kent Peterson, P.E., who is the 2007-2008 ASHRAE president. Mr. Peterson presented "Greater Efficiency Today, Blue Skies Tomorrow", where he discussed the theme of innovation in the drive towards sustainability in the built environment. He illustrated the role of members towards continually driving proven techniques and ideas that reduce building energy consumption while simultaneously reducing each building's impact on greenhouse gas emissions.



**Presentation was conducted by Kent Peterson, P.E., the 2007-2008 ASHRAE President**

He explained how ASHRAE is developing a number of specific sector initiatives to help drive these engineering innovations, with more new efforts to come in the next two to three years. In particular, he emphasized the following goals in the built environment for ASHRAE members to support:

- Develop better benchmarking of buildings based on their actual energy use. Buildings rated on their actual peak and annual energy performance would trigger better design, construction and operational decisions.
- Develop a more effective means to communicate the measured performance of innovative practices and technologies used in high performance buildings. This includes a need to inform decision makers, designers and operators on high performance successes in both new and existing buildings if we are to change the status quo and transform the building market.
- Expand our education programs to cover integrated building design practices and improved operations and maintenance techniques. Both designers and building operators need training in these new methods to enable them to deliver better buildings.

A copy of Mr. Peterson's slide presentation can be found on the ASHRAE website at <http://www.ashrae.org/aboutus/page/30>.

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## Capital Region Association of Energy Engineers 2008 Scholarship Notification

The Association of Energy Engineers (AEE) is a nonprofit professional society of 8,500 members in 77 countries. The mission of AEE is *"to promote the scientific and educational interests of those engaged in the energy industry and to foster action for Sustainable Development."*

The Capital Region AEE will be awarding (1) \$1500 SCHOLARSHIP to eligible high school students living in the Capital Region of New York State.

Eligible Students are high school seniors who are planning to attend a 2 or 4 year college in the fall of 2008 and will be majoring in a technical career. The students must live in one of the following NY counties; Albany, Schenectady, Rensselaer, Saratoga, Schoharie, Greene, Columbia, Warren, Washington, Montgomery, Fulton, Herkimer or Hamilton.



The scholarship will be awarded based upon the following criteria

**1<sup>st</sup>, an essay of no more than (2) double spaced typed pages on the following topic;**

**"What impacts can sustainable development have on your community during your lifetime?"**

**2<sup>nd</sup>, a Letter of Recommendation from your high school guidance counselor.**

An email with the Essay and scanned Letter of Recommendation is due no later than May 2, 2008 by 5 pm. Please include your name, address and phone number with your email. The email is to be sent to [jbelgiovine@hess.com](mailto:jbelgiovine@hess.com) and [jbelgiov@nycap.rr.com](mailto:jbelgiov@nycap.rr.com)

The Scholarship winner will be notified on May 15<sup>th</sup> 2008.

## Award Nominations

### Chapter Awards Nominees Needed:

- Capital Region Chapter Engineer of the Year
- Capital Region Chapter Project of the Year
- Capital Region Chapter Manager of the Year

### Considerations for Award Nominees:

Any Capital Region Chapter member may submit nominations and the Award Candidate DOES NOT have to be a Chapter member. All are encouraged to submit award nominations for your peers that have exhibited outstanding performance and service to the energy industry. Due to the many facets of the energy industry, the following provide possible considerations for nominating award candidates:

- Achievements in energy conservation and/or efficiency.
- The use of innovative energy strategies, best practices, and applications.
- Identification and/or utilization of alternative financing for energy-related projects.
- Contribution, utilization, or participation in new and emerging energy technologies.
- Provided significant service to society that has led to a more secure energy future (greater reliability and/or sustainability).

### Nominee Submission requirements:

- Include Nominee Name, Company, Title, and Company Address.
- Brief summary (no more than two paragraphs) of Nominee's qualifications, achievements, contributions and reasons they should receive an award.
- Nomination provider should include his/her Name, Company, and email.

Forward all nominations to Jim Day at [day-james@aramark.com](mailto:day-james@aramark.com)  
no later than May 15, 2008

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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.**

ISSUE

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# Association of Energy Engineers

Capital Region Chapter

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## SMARTWATT

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(Tel) 518-383-9405