

Table of Contents:

Focus On: Energy Efficiency & Conservation	1
Calendar of GPAEE Events	2
Next Event: <i>February 25st</i> <i>Energy</i> <i>Efficiency &</i> <i>Conservation</i>	2
Welcome New GPAEE Members	3
Thank You Corporate Members	3
January Event Photos	4
February Event Preview	5
Upcoming Area Energy Activities	5
Energy News	6
Spotlight: Globalcon	7
Board List	7
2009 Energy Award Winners	8
2010 Future City Award Winners	8
Corporate Support Options	9
GPAEE Cares	10
Energy Job Board	11
Advertisements	12 & 13
About AEE National	14
Newsletter Con- tact Info	14
Editor's Corner	14

GPAEE Newsletter



Greater Philadelphia Area Chapter of the Association of Energy Engineers

“Fostering action through education, innovation & networking to promote the priorities of Philadelphia-area Energy Professionals”

February 2010

Focus On: Energy Efficiency and Conservation Programs in the Philadelphia Area



THIS MONTHS SPONSOR



Meeting Background:

The focus of the discussion will be on mitigating the effects of the expiring electric rate cap. Darren Gill will narrow in on ways a customer can position themselves to attract the most offers from alternate suppliers, negotiate the best prices, and continue to improve their profile to mitigate market volatility. He will briefly discuss Act 129, and the PJM energy efficiency (demand reduction) programs as well as how customers can utilize these programs to help reduce the impact of the projected electric cost increase.

Our Speaker's Biography:

Darren D. Gill is employed by the Pennsylvania Public Utility Commission as the Supervisor of Electric Reliability in the Bureau of Conservation, Economics and Energy Planning. Mr. Gill has been with the Commission in both prosecutor and advisory roles for over 15 years, since his arrival from Westinghouse's Nuclear Services Division. Mr. Gill assisted in the drafting of Pennsylvania's electric service reliability regulations at 52 Pa. Code Chapter 57 and is currently charged with ensuring that Pennsylvania electric distribution companies meet the requirements for number and duration of service outages. In addition, Mr. Gill is currently part of the technical implementation team for Pennsylvania's Act 129 legislation. Mr. Gill holds degrees in Applied Physics from Shippensburg University and Nuclear Engineering from Penn State.

About the National Liberty Museum

Located in the heart of historic Philadelphia, the National Liberty Museum is dedicated to defusing violence and bigotry by celebrating America's heritage of freedom and the wonderfully diverse society it has produced. The Museum includes 76 exhibits, 179 works of contemporary art, and stories of 1,993 heroes within eight expansive galleries and adjacent spaces.

**[Note: Focus On is continued on Page 3] **

GPAEE Calendar of Events: Sept. '09 – June '10



Month	Event
September 15, 2009	Clean Energy's Perfect Storm and Phillies Game
October 8, 2009	Demand Control Strategies and the Electric Expo
November 12, 2009	Renewable Energy At Work
December 10, 2009	GPAEE Holiday Party
January 21, 2010	Counting Your Carbon and Building a Community Carbon Network
February 25, 2010	Energy Efficiency & Conservation in Philadelphia Area* (see below)
March 25, 2010	Grid Management Systems and Globalcon
April 22, 2010	PECO Act 129 Post 2010 Electric Rate Structures
May 20, 2010	Combined Heat and Power
June 24, 2010	GPAEE Annual Golf Outing

Thursday, February 25th is Next GPAEE Event:

National Liberty Museum: Energy Efficiency and Conservation in the Philadelphia Area

Date:

Thursday, 2/25/10

Time:

- 12P:00 M - 12:30 PM Registration / Networking
- 12:30 AM - 2:00 PM Presentation

Location:

National Liberty Museum
321 Chestnut St
Philadelphia, PA 19106

Cost:

\$30.00 for GPAEE Members / \$35.00 for Non-Members
\$5.00 for Students and Unemployed
If Pay @ Door: \$40.00 GPAEE Members/Non-Members

Registration:

- 1) Click on the *Secure Online Registration* icon (on left)
- 2) Scroll down to 'Registration' box to Register

Add'l Contact Info

Christine Stearns Batchelor cstearns@tozourtrane.com

More Information:

For more Event information, please click on the *Event Flyer* icon (located on left, above the Registration icon)



THIS MONTHS SPONSOR



Focus On: Energy Efficiency and Conservation in the Philadelphia Area *(continued)*

Our Sponsor:

Founded in 1933, Hess Corporation is a Fortune™ 100 company with assets exceeding \$20 billion. With over 75 years of experience providing natural gas, fuel oil, and electricity to commercial and industrial customers along the East Coast, Hess is a leading energy marketer on the East Coast.

Building on a history of outstanding customer service, Hess Energy Marketing has established a reputation for providing trusted expertise and reliability. Energy Marketing's growth has been driven by a customer-focused strategy built around consistent operational excellence. With a significant presence in natural gas, fuel oil and electricity, Hess is uniquely positioned to meet the energy requirements of all its customers. A wide range of product offerings supports Hess' commitment to meet customers' specific energy needs. The ability to provide both natural gas and fuel oil in many markets allows Hess to provide customers the fuel-switching flexibility to respond to today's fast moving market. State-of-the-art operations centers are used to manage Hess' network of terminal, pipeline and transportation assets. Hess' energy marketing business is supported by the largest terminal network on the East Coast, with 22 terminals and 28 million barrels of storage capacity. Strategically located refining operations ensure reliable, competitive supply capabilities.

Welcome New GPAEE Members

- Michael Pollack - Self employed
- Justin Murray - Practical Energy Solutions
- Brad Salamone -Atlantic Energy Concepts
- Rich Brookman -Brice Associates
- Michael Amabile - Industrial Energy Inc.

Thank You Corporate Members!

<ul style="list-style-type: none"> Altran Solutions Corporation American Refining and Biochemical Company Avanceon Commercial Utility Consultants Consolidated Electrical Distributors Ewing Cole Graboyes Commercial Window Co. Hess Corporation Klenzoid Inc. PECO 	<ul style="list-style-type: none"> PGW PWI Energy / Johnson Controls Ransome Engine Schneider Electric/Square D South Jersey Energy Solutions Standard Solar Tozour Trane Trigen - A Veolia Energy Company UGI Energy Services Vanguard Group
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Pictures from our January Event: Carbon Counting



GPAEE Event Preview: March '10

Peak load management, demand response and load shifting opportunities contribute to a stable electric grid and benefit your facilities bottom line.

Load Shifting in Response to Grid Management

**Globalcon Expo
Philadelphia PA
March 25, 2009**



Upcoming Area Energy Activities

Function	Date	Location	More Info
<i>Sustainable Energy Fair</i>	2/6/2010	Shissler Recreation Center Philadelphia, PA	http://www.nkcde.org/popuparch.asp?PressCat=Announcements_about_us&id=154
<i>Getting Started In Your Green Career</i>	2/18/2010	One Penn Center Philadelphia, PA	http://www.dvgbc.org/education/view/a-conversation-with-katherine-gajewski-getting-started-your-green-career
<i>Institutional Approaches to Sustainability</i>	2/18/10	The Academy of Natural Science Philadelphia, PA	http://www.ansp.org/environmental/2010/02/institutional-approaches-to-sustainability/
<i>3 Steps to Becoming a Sustainable Hospital</i>	2/25/09	Knoll Showroom Philadelphia, PA	http://www.dvgbc.org/education/view/3-key-steps





Energy News

Equitrans seeks FERC permission to boost pipeline capacity in Marcellus Shale

Equitrans LP on Jan. 25 requested FERC permission to expand its facilities in the Marcellus Shale region in order to meet market demand for an additional 92,000 Dth/d of firm, off-system delivery capacity into the pipeline systems owned by Texas Eastern Transmission LP, Dominion Transmission Inc. and Columbia Gas Transmission LLC.

As part of the project, Equitrans, a subsidiary of EQT Corp., plans to modify and uprate its compressor units at the Pratt Compressor Station in Greene County, Pa., and to upgrade and increase the capacity of its upstream facilities that deliver gas into the Pratt station. The upgrade and expansion of the facilities upstream of the Pratt station will create an additional 77,300 Dth/d of potential firm capacity from the pipeline systems that originate in Equitrans' West Union Compressor Station in Doddridge County, W.Va., and Copley Compressor Station in Lewis County, W.Va., and to deliver gas into the Pratt station for off-system delivery. ([more](#))

Is sun setting on N.J. subsidies for solar?

New Jersey has become one of the country's leaders in solar energy, but renewable-energy advocates fear that reductions in subsidies that spurred the growth may cast a shadow over the industry.

The program that once gave homeowners 70 percent of the \$40,000 average cost to install solar panels has significantly scaled back its grants to home and business owners, signaling to some that the program may soon end. ([more](#))

Fusion Power a Step Closer After Giant Laser Blast

Using the most powerful laser system ever built, scientists have brought us one step closer to nuclear fusion power, a new study says.

The same process that powers our sun and other stars, nuclear fusion has the potential to be an efficient, carbon-free energy source—with none of the radioactive waste associated with the nuclear fission method used in current nuclear plants. ([more](#))

PPL Electric Utilities' rates may be competitive next year

PPL Electric Utilities customers who selected an alternative energy supplier for 2010 will most likely save money compared to PPL's default rates this year. But that doesn't mean PPL's rate will never again be competitive.

A fifth of PPL customers, 263,000, are buying their power at lower rates from suppliers such as Dominion, First Energy, Gateway, ConEdison Solutions and MX Energy, who have entered the market after the January 1 removal of rate caps that kept Pennsylvania electricity prices below market levels. In the new world of competitive generation, rates are going to reset to reflect the market, like a certificate of deposit at a bank. ([more](#))

**** [Editor's Note: Please let us know if you come across any newsworthy local Energy stories, announcements or events by [clicking here](#). Thanks] ****



Philadelphia PA March 24 – 25

Decision makers from business, industry and government must now seek integrated energy solutions — solutions which assure both a secure and affordable power supply, and effective management of both energy and overall operational costs. **Globalcon 2010**, presented by the Association of Energy Engineers, is designed specifically to facilitate those who need to get up to speed on the latest developments in the energy field, explore promising new technologies, compare energy supply options, and learn about innovative and cost-conscious project implementation strategies.

The multi-track conference covers a variety of topics, and gives you the opportunity to hear first-hand from some of the major players in the energy field. The Globalcon Expo will emphasize four critical areas of leading edge technology and related services:

- **HVAC and Smart Building Systems**
- **Renewable & Alternative Energy / Onsite Generation**
- **Lighting Efficiency**
- **Plant and Facilities Management**

For more information visit www.globalconevent.com or contact Ashley Clark at (770) 279-4392.

GPAEE Chapter Board Officers & Board At-Large

<u>Board Position</u>	<u>Officer Name</u>	<u>Org.</u>	<u>E-mail Address</u>
President	Jim Harven	Constellation Energy	james.harven@constellation.com
Vice President	Ken Curry	Cardone	kcurry@cardone.com
Treasurer	Mike Sanders	Thornfield	digame05@aim.com
Secretary	Daniel Tavani	Veolia	dtavani@veoliaenergyna.com
Membership	Christine Stearns	Tozour Trane	cstearns@trane.com
Marketing	Maryanne Campbell	PGW	maryanne.campbell@pgworks.com
Events	Hans Greene	PGW	hans.greene@pgworks.com
Pres. Emeritus	Randy Haines	TJU	randolph.haines@jefferson.edu
Newsletter Editor	Caroline Koenig	Avanceon	ckoenig@avanceon.com
Board At-Large	Jim Clark	Clark Energy	ja11clark@aol.com
Board At-Large	Lou Nazirides	Tozour Energy	lnazirides@tozourenergyservices.com
Board At-Large	Steve Goldberg	PECO	steven.goldberg@exeloncorp.com
Board At-Large	Steven Siddal	Fluidics	ssiddal@fluidics.com



GPAEE 2009 Energy Award Winners



Lifetime Services Award - 2009
Joseph A. Smith—Philadelphia Gas Works



Energy Manager of the Year - 2009
Marvin Dixon
Four Seasons Hotel Philadelphia



Energy Engineer of the Year—2009
Marc W. Wachter, PE
Wachter & Associates Engineering



Corporate Energy Management - 2009
Philadelphia Gas Works

Future City Competition Awards

The 2010 Philadelphia Regional Future City Competition was a great success thanks to many supporters including the Greater Philadelphia Association of Energy Engineers. Our contribution funded the Energy Awareness Award, awarded to St Anastasia School in Newtown Square, PA. There was a wonderful outpouring of appreciation to the 310 middle school students, their teachers and engineer mentors who participated on January 23. For more pictures from the day, go to www.futurecityphilly.org. Thanks to all for a great competition.



Support GPAEE!

GPAEE: Keeping Philly's Energy Community informed. GPAEE has served the Philadelphia-area energy community for 30 years. During that time, GPAEE has never veered from its goal of keeping building and facility managers updated regarding the latest energy issues & innovations. Below are just some of the energy topics covered over the last few years at GPAEE's monthly informational events:



- Co-Generation
- LEED Buildings
- Lighting Technology
- Solar Energy
- Trade Shows
- Bio-Mass
- Wind Energy
- Energy Legislation
- EPA & DOE Programs
- Utility Company Issues
- Energy Service Companies Programs
- Demand Response Programs

GPAEE wants your Support. GPAEE is an all-volunteer non-profit organization. Accordingly, we rely on members & sponsors to underwrite our efforts. Therefore, in order to continue to provide the same high-quality energy education expected of us, GPAEE is seeking your Corporate support.

Corporate Support Options. Each month, GPAEE's award-winning Newsletter is read by over 500 energy industry professionals — area engineers, facility & building managers, contractors and vendors. In addition, our monthly Events are attended by up to 100 energy professionals. In turn, your company can reach our professional energy members & audience via several different Corporate Support options:

<u>Corporate Support Option</u>	<u>Corporate Support Option includes</u>		
<i>Corporate Membership</i>	<ul style="list-style-type: none"> • 5 x Individual Annual Memberships * <li style="padding-left: 20px;">* (a \$175 value) • Cost = \$150 • Additional Individual Memberships = \$30 each 		
<i>Newsletter Advertisement</i>	<i>Ad Size</i>	<i>Cost per Issue</i>	<i>Annual Cost</i>
	1/8 Page	\$20	\$100
	1/4 Page	\$50	\$200
	1/2 Page	\$100	\$400
	Full Page	\$200	\$800
<i>Sponsor Monthly Event</i>	<ul style="list-style-type: none"> • Includes Newsletter Announcement • Full Page Ad in one Newsletter • Corporate Profile in Meeting Announcement • Table Top @ sponsoring Event • 5-10 min. Presentation @ Event • Cost = \$300 		

For information on becoming a Corporate Member, Advertising in our Newsletter, or becoming an Event Sponsor, please contact **Maryanne Campbell** at maryanne.campbell@pgworks.com or 215-684-6724.

GPAEE CARES!

Greater Philadelphia AEE Board Employment Initiative

The economy is tough. Many of our business associates are facing hard times. Even if the recession is over as many economists claim, unemployment is expected to increase in the next two years. Ironically, jobs are increasing in some energy fields. We invite our members and Sponsor companies to join the GPAEE Board in our Employment Initiative.

To help our fellow energy professionals, the GPAEE has initiated the following measures for unemployed local energy professionals:

1. Local unemployed energy professionals can pay a reduced fee for the February, March, April, and May 2010 monthly meetings. When registering for meetings, register under the student and unemployed rate of \$5 for the specified meetings.
2. Unemployed members can post a free Position Wanted ad for 3 months in our newsletter which currently reaches over 600 people.
3. Free Job Ad on our newsletter Energy Job Board for GPAEE Sponsor companies and employers. Recruiters are invited to post jobs for the normal advertisement fee.
4. Companies with openings are invited to announce them at our monthly membership meetings. One of our local members landed a job with one of our Sponsor companies as a result of an announcement made at a recent meeting.

National AEE has given a limited number of coupons for a half price national membership. This discount is for new members only. This discount is for employed as well as unemployed members. Ask for the coupon at the registration desk at our monthly meeting. Also, you can become a local GPAEE member without being a national AEE member.

The GPAEE Board reserves the right to limit the number of discounted attendees at each meeting. The meeting discounts and other measures are for unemployed energy professionals. The definition of unemployed does not include retired or self employed members.

Jim Clark will be the main point contact for this effort. Employers and employees can contact Jim at (610) 325-9229.



GPAEE CARES!
Unemployed &
Students \$5

Let us know how we can help you. Network at our meetings and connect with your local energy community.

ENERGY JOB BOARD

Ads for seeking employment or offering employment are accepted by our newsletter editor no later than the 15th of the month preceding the publication month. Size and content are limited to available space. Please make descriptions brief and refer to URL link or contact info for more information. Ads are free with the following exception: Ads solicited by professional employment agencies or consultants will be treated as normal advertisements. Send information to our newsletter editor, Caroline Koenig, at ckoenig@avancecon.com.

WARREN ENERGY ENGINEERING, LLC

provides energy engineering services (energy audits, modeling, retro-commissioning) to a variety of clients. We also apply these skills to support and evaluate public benefits energy efficiency programs. We are seeking both junior and senior energy engineers and consultants to join our team. Strong knowledge of building and industrial mechanical systems required. Experience with measurement and verification, particularly IPMVP Option B and data logging, are desirable. Professional Engineer or CEM certification is a plus. We offer a casual and creative work environment in Chester County.

Approximately 20% travel will be required. If interested, please email a resume (MS Word or pdf format) and salary requirements to jobs@warren-energy.com.

INNOVATIVE ENGINEERING, INC.

Innovative Engineering Inc has been off to a great start in 2010 and is actively seeking to add a few engineers in the Civil, Electrical, and Mechanical department's at either of the firm's Wall or Midland Park New Jersey locations (EIT/PE is a plus).

FOR FURTHER INFORMATION SEND RESUME TO:

Bill Chaney

bchaney@innovativeengineering.net

www.innovativeengineering.net

J. Joseph (Jay) Halsey

610-247-4990

JayHalsey001@aol.com

Engineering professional with sales, engineering support, and project management experience in large international and domestic projects. Responsible for customer interface on technical administration of various projects including, infrared heaters, HVAC, power plants, manufacturing, testing, fabrication, and construction. Strengths include the capability to significantly increase sale through engineering and customer relationships, communication, commitment to service, organization, problem identification and resolution. Maintains a focus to follow-through, and negotiation to meet schedules for successful project completion.

Jay is currently on the Board of Directors for the Greater Philadelphia Building Professionals Association, Past President and current Board Member of ASHRAE Philadelphia, PA Chapter and ASHRAE TC 6.5 Committee.

William E. Schoellkopf, P.E.

(610) 316-9990

williamschoellkopf@comcast.net

<http://www.linkedin.com/in/williamschoellkopf>

Project Manager/Project Engineer seeking a challenging energy engineering or project management position with an Energy Service Company, a utility, manufacturing company, or a consulting firm. A member of AEE national and GPAEE Chapter, Mr. Schoellkopf sat for the Certified Energy Manager exam September 2009.

Bill is a Chemical Engineer and Project Manager with more than 20 years of experience, and 16 years of Project Management experience, involving: energy savings projects, construction project management, facilities engineering, manufacturing and maintenance, and environmental engineering.

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For more information on how to Advertise with the GPAEE please see page 9

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866-699-2717 FAX
E-mail: john@commercialutility.com
Web: www.commercialutility.com

About AEE National

The Association of Energy Engineers (AEE) is a nonprofit professional society of 11,000 members in 78 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.”

AEE offers a full array of informational outreach programs including seminars, conferences, journals, books, and certification programs.

AEE's network of 67 local chapters meets regularly to discuss regional issues. AEE's roster of corporate members is a veritable “who's who” from the commercial, industrial, institutional, governmental, energy services, and utility sectors.

The *AEE Energy Insight* is a high-quality online newsletter that focuses on the accomplishment of the Association and its members. AEE also publishes three technical journals: *Energy Engineering*, *Strategic Planning for Energy & the Environment*, and *Cogeneration & Distributed Generation Journal*. These publications are complimentary to all AEE members.

To become an AEE National Member, please go to <http://www.aeecenter.org/membership/>.



Newsletter Comments, Opinions, Ideas

If you would like to comment on, have an opinion/idea for, or contribute a news item to the GPAEE Newsletter, then please [click here](#).

To Receive free GPAEE Newsletter

If you do not currently receive our free monthly GPAEE Newsletter and would like to do so, then please [click here](#).

Forward Newsletter to a friend

If you would like to forward this Newsletter to a friend, then please [click here](#).

From The Editor

Month one out of 12 down, and we're one month closer to our New Years resolution of a more efficient home. We have scheduled a home energy audit to identify ways to save and are looking forward to sharing the results.

Now's a great time to get a home energy audit done if you've been thinking about it yourself. With the Act 129 rebates and incentives, the more ways you can identify to save, to more incentives you could earn.

We'll be covering the Act 129 program in more detail in the upcoming months so if you'd like to learn more, we hope to see you at our meetings.