

GPAEE Newsletter

Greater Philadelphia Chapter of the Association of Energy Engineers



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

May 2013

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Greater
Philadelphia
Chapter



AEE
The Association
of Energy Engineers
www.gpaae.org

Click Below
For
Additional
Registration
Info!



Thank You to
our May
Meeting
Sponsors!



Focus On: Natural Gas Vehicles at the Simeone Automotive Museum

Meeting Overview:

Momentum is building in Pennsylvania and nationally to further expand the infrastructure and fleet base of natural gas vehicles. And for good reason. As a fuel source natural gas is less expensive, burns cleaner, supports our state economy and is an abundant, reliable, domestic alternative to gasoline and diesel fuel. Come to the May GPAEE meeting to hear about the technology, infrastructure, available incentives - and why Pennsylvania is poised to lead the nation.

We will also have a panel of fleet owners prepared to discuss their real life experiences with NGV's, and various industry experts hosting tables to educate you about resources to help develop NGV projects. There will also be several demo CNG vehicles on-site.

After the luncheon, tour the Simeone Museum, a collection of over 60 of the rarest and most significant racing sports cars ever built. Registration Fee includes meeting, lunch and museum admission.

Speaker Biographies:

Graham Barker
Air & Gas Technologies

Over 30 years experience in the worldwide automotive gaseous alternate fuels marketplace. Obtained City & Guilds Full Technological Certificate in Automotive Studies from the University of Leeds in England. Developed CNG fueling stations in various parts of the world, including the UAE, Pakistan, Bangladesh, Korea, China and Trinidad & Tobago and across the USA. Current position with Air & Gas Technologies includes sales, design and project management of CNG station installations in the northeast USA, and domestic and international sales of process and industrial gas compressors.

Experience with alternate fueled vehicles includes working for a European system manufacturer to prototype and develop new conversion applications in conjunction with vehicle manufacturers; and working in an engine development lab at a European automotive R&D facility, helping design and test engine components operating on a variety of fuels.

CNG fueling station experience includes working for a US compressor OEM as Director of NGV Fueling Systems and Process Sales Manager, responsible for marketing, system application, engineering & design and project management of CNG station installations around the world, plus sales of process and industrial gas compressors. Also participated on industry task forces to develop and update North American Codes and Standards for CNG fueling stations.

Focus On: Natural Gas Vehicles at the Simeone Automotive Museum (cont.)

Speaker Biographies (cont'd):

Tony Bandiero - Director
Greater Philadelphia Clean Cities Program

Tony currently serves as the Director of The Greater Philadelphia Clean Cities Program (GPCCP), a Department of Energy sponsored organization that promotes alternative fuels in the transportation sector. Tony has been involved in the fueling and alternative fueling industry for more than 10 years. He works to help both public and private fleets with their transition to alternatives to imported petroleum and diesel.

In 2006, was nominated and elected to the Board of Directors, of the Greater Philadelphia Clean Cities, which he had served on for over 2½ years. In 2009, he was unanimously elected as Director of The Greater Philadelphia Clean Cities which he currently serves as Director for nearly 4 years. His work includes outreach, project coordination and educational seminars to develop public/private partnerships that lead to the conversion of alternative fuel vehicles and implementation of infrastructure that supports those vehicles. His project experience includes local, regional and national projects that support alternative fuel infrastructure as well as his current undertaking of expanding the Clean Cities mission to support the entire central and eastern portion of Pennsylvania. The Coalition is to include 33 counties of eastern Pennsylvania and was given the approval from the Department of Energy to re-designate. Since becoming Director he is directly involved in obtaining over \$3.5 million in alternative fuels projects with both public and private companies.

During his tenure as Director, Tony was elected by his peers, to serve as one of 3 Co-Chairs to the Clean Cities Coordinator Council and helps represent nearly 90 coalitions to the Department of Energy. He is also on a board member of Transportation Energy Partners, a group that is comprised of Clean Cities Coalition's and industry partners that help work on federal policy that support alternative fuels and the funding for them.

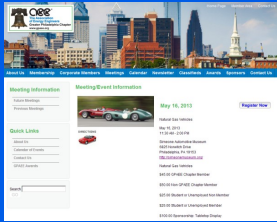
He has been elected 3rd Vice President of The Traffic Club of Philadelphia, an organization of over 500 companies that promotes intermodal transportation. And currently serves as a member on the Green Fleet Solutions Industry Focus Committee, an organization that promotes green technologies in fleet sectors.

GPAEE 2013 - 2014 PLANNING MEETING

Every July the GPAEE Board plans the upcoming years topics and events at our annual planning meeting. An integral part of this process is the invaluable feedback we receive from you, our members.

If you have topic suggestions and ideas, please send them to Christine Batchelor at cbatchelor11@aol.com

Click Below
For
Additional
Registration
Info!




Thank You to
our May
Meeting
Sponsors!



GPAEE Calendar of Events: Sept. '12 – June '13

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Month	Event
September 26, 2012	Season Opener with the Phillies
October 18, 2012	Chilled Water Thermal Storage and Electric Savings
November 8, 2012	Energy Benchmarking - Legislative and User Perspectives
December 20, 2012	GPAEE Holiday Party
January 17, 2013	How to Justify and Finance Cogeneration Projects in the Shale Gas Era
February 21, 2013	Data Center Energy: Taming the Power Hog
March 7, 2013	Globalcon: Regulatory Updates
April 18, 2013	Sustainable Development at Longwood Gardens and Tour
May 16, 2013	Natural Gas Vehicles and Technologies
June 19, 2013	Xfinity Live! Phillies vs Nationals 



The golf outing traditionally held in June will now be held on September 19th at Paxon Hollow Golf Club, while the annual Phillies game has been moved to June 19th. We apologize for any inconvenience this may cause. Please mark your calendars!

Click Below For
Additional Registration Info!



Thursday, May 16th is the Next GPAEE Event:

Natural Gas Vehicles at the Simeone Automotive Museum

Date: Thursday, May 16, 2013

Time:

- 11:30 AM - 11:45 AM Registration
- 11:45 AM - 2:00 PM Lunch & Presentation
- 2:00 PM - 3:00 PM View CNG and Car Collection

Location: Simeone Automotive Museum
6825 Norwitch Drive
Philadelphia, PA 19153

Cost:

- Members: \$45.00
- Non-Members: \$50.00
- Non-Registered Walk-ins: \$60.00
- Tabletop Sponsorship: \$100.00

Registration:


- 1) Click on the Meeting Flyer icon to the left which will bring you to the GPAEE website
- 2) Click on the —Register Now box and follow the directions listed there

Contact Info Caroline McCallum - Caroline.McCallum@pgworks.com

Thank You to our
May Meeting
Sponsors!



PHOTOS FROM APRIL EVENT



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President

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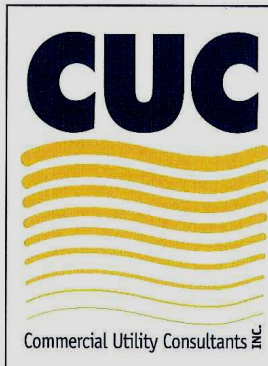
WELCOME NEW AND RENEWING MEMBERS!

Adam Walker - Constellation, an Exelon Company
Russ Newbold, LEED-AP - Comverge
Guy Jacquet - Brandywine Valley Construction Services
Joe Ackler - Temple Student

THANK YOU CORPORATE MEMBERS!

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[Burns Engineering Inc.](#)
[Chevron Energy Solutions Company](#)
[Commercial Utility Consultants](#)
[Concord Engineering Group](#)
[Constellation, an Exelon Company](#)
[Core Power Inc.](#)
[Advanced Geothermal Technology](#)
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Specializing in Utility Cost Savings

JOHN J. MCGILLIAN
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E-mail: john@commercialutility.com
Web: www.commercialutility.com

UGI EnergyLink.

Your connection to customized, cost-effective energy solutions.

What's a better way to reduce and control energy expenses for your company? Together, we'll create the right plan.



It can be difficult to manage energy expenses when the economy and the global energy market are in flux. If you had the staff that could devote themselves to staying ahead of the pulse of the market 24/7, you'd be one step ahead—and your bottom line could look a little brighter. We're here to help you make that happen.

Customized solutions. Honest pricing. Unrivaled service.

With significant expertise in buying energy products for all kinds of industries and businesses, we have all the options at our fingertips and can skillfully recommend solutions tailored to your needs. We ensure that you receive transparent pricing with no surprises or hidden fees, so you can predict the impact on your budget. And when questions arise, you know you can trust that the professionals you need will provide the kind of service you expect and deserve.

We customize the best approach to your facility's needs.

Natural gas – Get flexible pricing options so you can choose the one that works best for your business.

Alternate fuels – We can supply oil or propane year-round—switching fuels so you can take advantage of product price differentials.

Electric – Optimize your electric energy purchasing by selecting fixed- or market-based rates from UGI EnergyLink.

UGI EnergyLink—backed by a powerhouse.

UGI EnergyLink is a part of UGI Energy Services, Inc., which is a wholly owned subsidiary of UGI Corporation. UGI Corporation is a Fortune 500 company that has reliably supplied and delivered natural gas and other liquid fuels locally and globally for more than 130 years. UGI EnergyLink is the energy supplier of choice in more than 30,000 business locations in nine eastern states.

Get connected today.

Call **1-800-427-8545** or visit www.ugienergylink.com.



EVENT PREVIEW - June 2013



Xfinity Live: Phillies vs Nationals

June 19th, 2013
 5:30 pm - 10:00 pm
 Networking at Xfinity Live
 All game tickets located in
 the same section.

Member tickets available on 5/7.
 Non Member tickets available as of 5/16.
[Click here](#) to register!

Seating is limited! Register Today!!

GPAEE Chapter Board Officers & Board At-Large

<u>Board Position</u>	<u>Officer Name</u>	<u>Organization</u>
President	Ken Curry	Cardone Industries
Vice President	Daniel Tavani	AMEC
Treasurer	Mike Sanders	Alpha 3 Consulting
Secretary	Tara Pasca	Birdsall Services Group
Membership	Veronica DeRosa	UGI Energy Services
Awards/Education	Glen Murphy	PECO
Events	Christine Batchelor	Batchelor Energy LLC
Marketing	Maryanne Campbell	Philadelphia Gas Works
Newsletter Editor	Caroline McCallum	Philadelphia Gas Works
Pres. Emeritus	Randy Haines	Thomas Jefferson University
Board At-Large	Jim Clark	Clark Energy
Board At-Large	Steven Siddal	Fluidics

THE DOWNINGTOWN STEM ACADEMY

The mission of the Downingtown Area School District, proud of our tradition of excellence, is to educate all students to meet the challenges of a global society by providing an individually responsive learning environment characterized by outstanding academic and personal achievement in partnership with family, students, and community.

The STEM Academy provides opportunities for students during the junior and senior years to explore a specific career area of interest through course work, job shadows, research, and university-based activities. The five Career Pathways, offered by the Academy, reflect STEM fields. Each Academy culminates in an individualized senior capstone STEM Practicum.

There are a number of ways to partner with the STEM Academy including speaking opportunities, internships, externships, volunteer opportunities, mentors, equipment donations and sponsorships. If you or your organization is interested in supporting the Downingtown Stem Academy please contact [Susan Boardman](mailto:Susan.Boardman@downingtownschools.org) via email or call 610-269-8460 x7204.

The Greater Philadelphia Association of Energy Engineers is proud to support the Downingtown STEM Academy.



Upcoming Area Energy Activities

Function	Date	Location	More Info
<i>Building Energy Efficiency: Finding Strategies that Work</i>	May 8, 2013	Newtown Square, PA	http://pennur.upenn.edu/events
<i>Natural Gas Development: Opportunities & Benefits to Southeastern PA</i>	May 14, 2013	Philadelphia Marriott Downtown Philadelphia, PA	http://www.greaterphilachamber.com/event/3375/natural-gas-development-opportunities-benefits-to-southeastern-pa
<i>NJAEE Energy Forum</i>	May 15, 2013	Rutgers University Piscataway, NJ	http://www.njaee.org/index.php/component/eventbooking/?task=view_event&event_id=13&Itemid=154
<i>Beyond Green: How Can Sustainable Design Transform Our Lives?</i>	May 30, 2013	Academy of Natural Sciences Philadelphia, PA	http://www.greaterphilachamber.com/event/3259/energy-management-strategies-financing-investment-opportunities



Corbett Administration Develops New Ground for Pennsylvania's Energy Efficient System for Buildings

Governor Tom Corbett broke ground for Penn State University's new Center for Building Energy Science at The Navy Yard, showcasing multiple energy saving technologies.

"Pennsylvania has been leading the nation in finding new sources of energy and today marks the moment we add to our independence by finding new ways to conserve the energy we already have," Corbett said. "This building will be a living laboratory where new ideas will be applied, tested and perfected."

Corbett was joined in the ceremonies today by Philadelphia Mayor Michael Nutter, Penn State President Rodney Erickson, the U.S. Department of Energy's Deputy Assistant Secretary for Energy Efficiency Kathleen Hogan and the U.S. Economic Development Administration's Deputy Assistant Secretary Matt Erskine. ([more](#))

NRG Sells Power From Electric Car to PJM Grid in Delaware

NRG Energy Inc. (NRG), the biggest power provider to U.S. utilities, has sold power from an electric vehicle to PJM Interconnection LLC's grid in a collaboration with the University of Delaware.

The project provides technology that enables owners of electric vehicles to sell power back into the grid while charging their batteries, according to a statement today. The technology collects power from multiple plugged-in cars to create a single electrical source rather than smaller individual ones. ([more](#))

Trucking Industry Is Set to Expand Its Use of Natural Gas

The natural gas boom has already upended the American power industry, displacing coal and bringing consumers cheaper electricity.

Now the trucking industry, with its millions of 18-wheelers moving products like potato chips, underarm deodorant and copy paper around the country, is taking a leap forward in switching from petroleum to cleaner-burning natural gas. And if natural gas remains cheap, consumers may benefit again.

This month, Cummins, a leading engine manufacturer, began shipping big, new engines that make long runs on natural gas possible. A skeletal network of refueling stations at dozens of truck stops stands ready. Major shippers like Procter & Gamble, mindful of both fuel costs and green credentials, are turning to companies with natural gas trucks in their fleets. ([more](#))

EPA Slashes Natural Gas Drilling Emissions Estimates

In a move that could redefine the fracking debate, the federal Environmental Protection Agency has dramatically reduced its estimates of greenhouse gas emissions from natural gas production.

Natural gas is cleaner burning than coal, but its production can release methane — a potent greenhouse gas— into the atmosphere. Natural gas critics worried this could negate its climate change benefits. ([more](#))

**** [Editor's Note: Please send newsworthy local Energy stories, announcements or events to newsletter@gpae.org. Thanks] ****

EMPLOYMENT INITIATIVE

The economy is improving, however many of our business associates are facing hard times. 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:

**Unemployed &
Students Meeting
Registration: \$5**

1. Local unemployed energy professionals can pay a reduced fee for most 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 energy Position Wanted ad for 3 months in our newsletter which currently reaches over 1,000 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 or on our website at no cost.
4. Companies with openings are invited to announce them at our monthly 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.

The GPAEE Board reserves the right to limit the number of discounted attendees at each meeting. Unemployed discount does not apply for retired or self employed members. For more information or questions please contact Jim Clark (610) 325-9229.

Energy Job Board

To post an ad in the newsletter, send a brief job description with URL link and contact info to our newsletter editor, Caroline McCallum newsletter@gpae.org. Ads are free except those solicited by professional employment agencies.

Ted Meehan

Self-starting energy professional, with background in sales and marketing, is seeking an opportunity to team up with a strong energy services group looking to take it to the next level. Candidate has experience in business development, and extensive contacts and experience in federal and state politics.

Contact Ted Meehan at (610) 804-3285 redmeehan3@gmail.com

Kevin Peck, PE

PA Registered Mechanical Engineer with 25+ years of experience seeks Project Engineer / Project Developer position at design engineering firm or energy services company. Skilled in designing, engineering, and specifying of HVAC, Process, Air Pollution, and Energy Conservation systems for pharmaceutical, industrial, institutional, government, and medical facilities. LEED Green Associate. Preparing for CEM. Willing to travel.

Contact Kevin Peck at (610) 842-2210 or Kevin-W-Peck@comcast.net.

Khosrow Ebrahimi, Ph.D.

A PhD mechanical engineer with significant experience (13+ years) in computational fluid dynamics/heat transfer and energy modeling seeks Energy Analyst/R&D Engineer position at academic institutions, research centers, design engineering or consulting firms. Skilled in CFD-HT, Energy Conservation Systems, Thermal and Energy Modeling. During the past year, has been the primary researcher on the project targeted in recovery of low quality waste heat in data centers.

Contact Khosrow Ebrahimi at (785) 317-8817 or khosrow.ebrahimi@villanova.edu.

Energy Job Board (continued)

Sales and Marketing Associate - Philadelphia

Veolia Energy North America is a leader in sustainable energy services and facility management. Veolia Energy, (NYSE: VE), the world leader and benchmark player in environmental services, with operations on every continent and 150 years of experience.

The Sales and Marketing Associate is responsible for identifying and developing long-term, integrated, energy services contracts and will lead the pursuit of new business opportunities by establishing strong relationships with existing and potential clients in the commercial building market space.

Interested candidates should apply on-line through Veolia Energy's website: <http://www.veoliaenergyna.com/careers/search-apply/>

Project Engineer & Senior Engineer in King of Prussia, AP

As a leading firm nationwide in building energy commissioning and optimization, Bes-Tech's technical teams bring solid experience to our clients in the fields of HVAC systems, controls technology and commissioning, promoting energy efficient operations and maintenance best practices in commercial and institutional buildings.

Project Engineer: Responsible for calculating energy savings potential and implementation costs, commissioning and optimization of HVAC system, performing building audits, writing technical reports, designing components of new programs, researching new energy efficiency measures, and more.

Senior Engineer: Responsible for project management, customer/contractor communication and coordination, technical report writing, project proposal writing, project cost calculation, project quality assurance, commissioning and optimization of HVAC systems, performing building audits, designing components of new programs, researching new energy efficiency measures, and more.

For more details on our company please visit our website at www.efficiencytree.com
Email resume to officemanager@efficiencytree.com

Sales Engineer

ESite Systems LLC is seeking a Sales Engineer with IT infrastructure and/or building electrical experience. Candidates will possess the technical ability required to close sales by value selling and positioning ESite Systems LLC's product lines and services over competitors. The Sales Engineer will be responsible for following projects through all construction phases included design, bidding, negotiating, closing, manufacturing, installation, and start up. Specific product knowledge is not required.

For more information contact Scott Stilley: 610-397-0133 ext. 134 or sstilley@esitesystems.com



**The Greater Philadelphia Chapter of the
Association of Energy Engineers**

MARK YOUR CALENDAR!

Thursday, September 19th, 2013 7:45am
Shotgun Start at 8:30 Sharp, all golfers tee off together
Format: Scramble (Best Ball)



Paxton Hollow Country Club
850 Paxton Hollow Rd
Broomall, PA 19008
(610) 353-0220
www.paxtonhollowgolf.com



Cost: \$85 Per Golfer Includes:

Cart and Greens Fees
Full Breakfast – UGI Sponsored
Hot and Cold Buffet with Salads
Dessert
Hot and Cold Beverages (Coffee, Soda, Beer)
Awards
50/50 Raffle
Door Prizes
Lots of Fun!

[Click Here](#) to Register

Questions? Contact Mike Sanders at digame05@aim.com

Hole Sponsorships Are Available Through September 1: \$100 Per Sign

Buy your sponsorship when you purchase your tickets online at the above link.

Don't want to pay with credit card? Select the blue link when registering for the meeting to pay by cash or check at the door.

Make checks payable to "The Greater Philadelphia Chapter of AEE".

Support GPAEE!

GPAEE: Keeping Philly's Energy Community informed. GPAEE has served the Philadelphia-area energy community for over 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

We Can't Do It Without You. 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 1,000 energy industry professionals — area engineers, facility & building managers, contractors and vendors. In addition, our monthly events are attended by 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 * * (a \$175 value) • Cost = \$150 • Additional Individual Memberships = \$30 		
<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 minute 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 marketing@gpae.org or 215-684-6724.

About AEE National

The Association of Energy Engineers (AEE) is a nonprofit professional society of 16,000 members in 89 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's network of 82 local chapters meet 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.

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

The *AEE Energy, Facility, Power News* 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*. *Distributed Energy* focuses on the advantages of diversifying your energy portfolio with onsite power and distributed generation in order to efficiently increase the security and stability of your power systems. *Sustainable Facility*, a new publication from the publishers of *Energy & Power Management* magazine replaces the former publication to AEE members. These publications are complimentary to all AEE members.

Additional benefits include continuing education & book discounts, invitations to industry surveys, job referrals, and special member discounts.

50% Discount on Membership for One Year

To become an AEE National Member, please go to <http://www.aeecenter.org/membership/>. Receive a 50% discount on National Membership by entering “Chapter 50”.



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](#) and share your thoughts.

To Receive free GPAEE Newsletter

If you do not currently receive our free monthly GPAEE Newsletter and would like to do so, email membership@gpaae.org and request to be added to our mailing list.