



# GPAEE NEWSLETTER

**Greater Philadelphia Association of Energy Engineers**

*Fostering action through education, innovation and networking to promote the priorities of Philadelphia-area energy professionals*

**March 2019 Newsletter**



## **Learn about the ECA and their energy programs in Philadelphia at their LEED GOLD training facility \* April 18, 2019**

**ECA** is a regional leader in energy efficiency retrofits for existing residential properties. ECA operates out of a LEED Gold facility, including offices, warehousing, and the 26,000 sf IREC-accredited Knight Training Center. ECA's mission is to help people conserve energy and to promote a sustainable and socially equitable energy future for all in the Philadelphia region. Come hear more about ECA's residential and low-income energy efficiency initiatives, and development of the energy efficiency / renewable energy workforce.

**<https://www.ecasavesenergy.org/>**

### **Date & Time**

Thursday, April 18th, 11:30am-1:30pm

### **Venue**

ECA Training Facility

106 W. Clearfield St.

Philadelphia, PA 19133

*Street Parking only, there is no parking lot at the facility*

### **Cost**

\$35.00 Member

\$45.00 Guest

\$5.00 Student/Unemployed

\$350.00 Sponsor

### **Speakers**

**Steve Luxton** is the executive director of the Energy Coordinating Agency and has been working in the residential energy efficiency industry since the mid '90s. He has worked in numerous energy efficiency programs as a program manager, technical director and chief operating officer. Additionally, he co-developed a national energy audit software program as well as serving as a national training director. Steve co-authored a residential energy efficiency manual, *Empowering Energy Savings Nationwide*, and has appeared on many radio and TV shows, including both *CBS Early Show* and ABC's *Good Morning America* as an "energy expert," providing information on how homeowners can save energy. Steve believes that energy efficiency is our nation's largest resource.

**Walt Yakabosky** is the director of training at ECA's John S. and James L. Knight Green Jobs Training Center located in Philadelphia and is responsible for developing and implementing curriculum and courses related to energy conservation and the green economy. In nine years at the training center, Mr. Yakabosky has secured over \$4.5 million in grants from government, foundations and business and industry to retrofit a 19th century factory to LEED Gold standards as well as deliver programs and courses to over 5,000 incumbent and emerging workers. Before joining ECA in 2010, Walt spent two decades executing and promoting technical training in several higher education institutions, receiving numerous awards for his achievements in this area.



Mark Your Calendars

# EVENTS



Date	Time	Place	Topic
April 18, 2019	11:30 AM	Energy Coordinating Agency 106 West Clearfield Street Philadelphia, PA 19133	Residential and low-income energy efficiency and solar
May 16, 2019	11:30 AM	Saint Gobain 20 Moore Road Malvern, PA 19355	Energy/Sustainability Initiatives
June 20, 2019	5:30 PM	To be determined	Closing Reception

Want more information?  
Click picture of webpage for more information to join the GPAEE or attend our monthly meeting and events.



Everyone  
IS IRISH ON  
St. Patrick's  
DAY



## **Concord Engineering Acquires Enerdyne Engineering, Appoints Wayne Howell, P.E. Director of Philadelphia Office**



(Voorhees, NJ) – Concord Engineering is pleased to announce the acquisition of Enerdyne Engineering, LLC. Enerdyne is a mechanical, electrical, plumbing and fire protection engineering company specializing in commercial, hospitality, corporate office, multi-family, assisted living and institutional building systems' design. Enerdyne is known for high quality design and responsiveness to clients. The firm will

relocate to Concord's 3020 Market St. Philadelphia Office and enhance our Commercial/Hospitality group's capabilities. Michael Fischette, CEO stated "it's exciting to have Wayne Howell, P.E., utilize his 30 years of experience to service our Philadelphia and Mid-Atlantic clients. Formerly a Principal of Clive Samuels & Assoc. (acquired by Emerson Climate Technologies, Inc.), Wayne has a deep understanding of engineering as well as business, with an active P.E. license in 49 States. I believe our Philadelphia and Mid-Atlantic clients will benefit greatly from our team's additional capacity and experience."

### **About Concord Engineering**

Concord Engineering is a full-service MEP/FP facility design, power engineering, energy advisory and utility consulting, and commissioning firm, specializing in facility and power plant design. Specialty services include utility master planning, energy procurement and risk management, hotel/gaming facilities, healthcare, higher education and commercial office facilities, Microgrids, District Energy Systems, renewable technologies (solar, wind, and biogas), combined cycle, combined heat & power, geothermal systems and high voltage substation design. The firm has offices in Philadelphia, PA, Voorhees, Princeton, and Atlantic City, NJ.

**For more information, visit [www.concord-engineering.com](http://www.concord-engineering.com).**

## Battery Energy Storage and Electric Vehicle

February 20, 2019



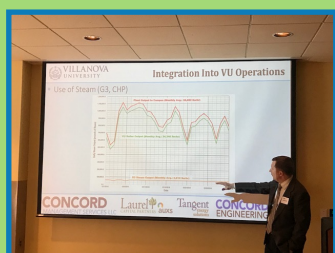
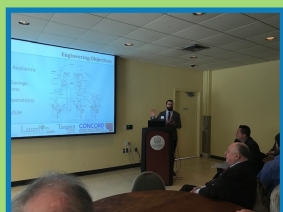
**Snow day in Philadelphia: mass transit, highways, other impacts**



Thank you to all of you who battled the snow storm and attended the February GPAEE meeting at McCall Golf & Country Club! I wasn't even able to get there but I have been told that all the speakers were excellent and Rebecca Collins remote presentation was audible and spirited! THANK YOU!

## Distributed generation/combined heat and power system

March 5, 2019



Meeting  
sponsored by:



# Opportunity

## Employment Initiative

The GPAEE has had great success in matching unemployed energy professionals with businesses along with filling available positions within our corporate partners. To help our fellow energy professionals, the GPAEE offers the following assistance for the unemployed professional.

1. Reduced fees for monthly meetings by registering under "Student/Unemployed" for a rate of \$5 for that meeting
2. Unemployed members can post a free **Position Wanted** ad for 3 months in our newsletter which currently reaches over 1,000 people.
3. Free **Position Available** ads in our monthly newsletter for GPAEE sponsor companies and employers. Recruiters can post positions for the normal advertisement fee or on our website for no cost.
4. Companies and unemployed individuals are invited to announce their opportunity or availability also at our monthly meetings

**To post an ad in the newsletter**, send a brief description with URL link and contact information to our newsletter editor, Daryl Landgraf at [newsletter@gpae.org](mailto:newsletter@gpae.org)

Ads are free except those solicited by professional employment agencies.

## ENERGY JOB BOARD

### SKELLY A. HOLMBECK

[skellyann@gmail.com](mailto:skellyann@gmail.com) 561-707-3186 (cell)

My energy experience includes P&L, risk management and sustainability at NextEra Energy, landfill gas to energy oversight through my role on the Board of the Chester County Solid Waste Authority, and expertise in energy technology through work at NextEra, as an investment advisor for Ben Franklin Technology Partners, and as an Advisory Board member for the Mid-Atlantic Clean Tech Alliance.

Oil and gas experience has been focused mainly on risk management and process improvement for hydro-fracking and development activities. I have also worked on issues related to hydropower through my role as Policy Director at the Riverkeeper, and through my work at NextEra and for Cube Hydro. Nuclear experience includes waste research at Los Alamos National Lab, and risk management at the Savannah River Site.

### ALAN HUNT

[lhunt88@aol.com](mailto:lhunt88@aol.com) 610-550-9464 (Cell)

I am a recent graduate of Penn State University with a Bachelors of Science degree in Energy Engineering. I am looking for a full-time entry-level engineering position in the greater Philadelphia area. My experience through earning my degree includes designing a photovoltaic system for a client using modeling systems, analyzing the feasibility of implementing a battery storage system for Penn State through the use of MATLAB, and designing an intricate database of over 200 utility bills in Microsoft Excel for an investment firm.

### LEAH DAVIS

[leahdavis13@gmail.com](mailto:leahdavis13@gmail.com)

Currently a Project Engineer at Skanska USA Building. I work as a liaison between the subcontractors, engineers and architects on a \$45 million dollar pharmaceutical "smart lab" renovation ensuring a high quality, safe and cost-conscious build. I aspire to be in the energy and chemical industry, specifically at a power plant, research or process engineer role, more closely related to my Bachelor's degree. I graduated from Pennsylvania State University with a Bachelor's in Energy Engineering and a minor in Environmental Engineering. I will be starting an online Master's in Chemical Engineering in spring 2019.



## JEFF LENETSKY

[jeffreyle@gmail.com](mailto:jeffreyle@gmail.com)

Jeff has been on the consulting/energy procurement side for the last decade, recently with World Energy and EnerNOC. Looking for an opportunity as a senior level account manager for an existing book or to manage a team or sales individuals. He has his undergraduate from PSU, masters in finance from University of Louisville and is willing to travel up to 50% of the time for the role. His preference is to be based in the Philadelphia area.

## BRIAN VIETZ

Looking for a full time opportunity in the Greater Philadelphia area to use my experience, self motivation and work ethic with an operations or customer facing team. Currently I work for a demand response company focusing on operations and process improvement. My interests are to stay in the energy industry, ideally working with renewable and sustainable resources. As a recent graduate of the University of Delaware with a B.S. in Environmental Science, I hope to share my versatile knowledge with your company.

## EDUARDO GOUVEA

[edu.srg@gmail.com](mailto:edu.srg@gmail.com)

Eager to get back to working with energy. My experience is in (1) energy efficiency projects . Working to identify energy consumption discrepancies in different areas of steel plants and implementing projects to save energy and optimize processes. (2) dealing with energy regulations. I was working as my company's liaison with the energy regulatory agency in Brazil. I'd love to find an energy engineer position that uses my skills in problem-solving and making processes more efficient.



**CONGRATULATIONS** to Jack Carden (PSU 2018) for securing a position with PECO as a Systems Operator

### NEW AND RETURNING MEMBERS:

John Fetter - Student member

PT Mechanical Group - Corporate member

MARCH 20, 2019

International Earth Day



Spring Vernal Equinox

# AEE Foundation Scholarships

AEE is a proud supporter of college students of energy-related studies. The Association of Energy Engineers Foundation (AEEF) scholarships in the amounts of \$500, \$1000 and \$2000 are awarded to candidates enrolled in or enrolling into an accredited college or university for their degree focusing on energy engineering or management. The application process is very short and easy to fill out.



Along with the application form, candidates will need to provide the following:



Current Transcript



School Faculty  
Recommendation



150-300 Word Statement

For the application form and **complete** instructions for student applications, please visit AEE Foundation Scholarship Program's webpage at [www.aeecenter.org/about-aeef/aee-foundation](http://www.aeecenter.org/about-aeef/aee-foundation).

Completed application forms with all supporting documents must be submitted to your local chapter, GPAEE. Nominations by GPAEE to AEEF for 2019 scholarships are being accepted now!

As Philadelphia's regional chapter of AEE, GPAEE has been fortunate to have the ability to also offer a select number of locally awarded scholarships to undergraduate and graduate applicants from the greater Philadelphia region. GPAEE award selection is made from the applicant pool for AEEF so there is no need to follow a separate application process.

**Applications to GPAEE must be emailed to [education@gpaee.org](mailto:education@gpaee.org) and are due by April 15th.**



## The Highlights

### WTI crude oil futures price

3/7/2019: **\$56.66/ barrel**

Down \$0.56 from wk earlier

Down \$4.49 from yr earlier

### Natural gas futures price

3/7/2019 **\$2.866 MMBtu**

Up \$0.54 from wk earlier

Up \$0.89 from yr earlier

### Weekly coal production

3/2/2019 **13.513 million tons**

Down 1.421 million tons from wk earlier

Down 1.323 million tons from yr earlier

### Retail heating oil price

3/4/2019: **\$2.425/gal**

Down \$0.005 from wk earlier

Down \$0.106 from yr earlier

### Crude oil inventories

3/1/2019: **452.9 million barrels**

Up 7.1 million barrels from wk earlier

Up 27.0 million barrels from yr earlier

Source: <http://www.eia.gov/>



## **Grant Money Available to Reimburse up to 25% for these approved Live Courses!** **Energy Related Training Funds for 2018-2019**

The Smart Energy Initiative can help your organization maintain a competitive workforce with a grant to offset partial costs of energy-related training (eligible employers/trainees can receive a reimbursement of up to 25% of course costs for each trainee). Funding is provided by the Pennsylvania Department of Labor and Industry and the Chester County Workforce Development Board.

### **Eligibility & Conditions**

- Trainees must be employed residents of Pennsylvania.
- Training must be Live with tuition cost of at least \$500.00.
- This Grant ends June 30, 2019, or when Grant money is spent.
- The following courses are currently eligible for partial reimbursement for the 2018-2019 program year.
- All applications will be reviewed by the Grant Committee for approval.

1. Association of Energy Engineers Certified Building Commissioning Professional (CBCP)	11. BPI Quality Control Inspector (QCI)
2. Association of Energy Engineers Certified Energy Manager	12. Building Commissioning
3. Association of Energy Engineers Certified Lighting Efficiency Professional (CLEP)	13. Building Operators: Building Science of Commercial Buildings (AM), and Building Operator Training and Re-tuning (PM)
4. Association of Energy Engineers Certified Measurement & Verification Professional (CMVP)	14. Energy Modeling for LEED Projects
5. Association of Energy Engineers Certified Water Efficiency professional (CWEP)	15. HVAC Design
6. BPI Certified Building Analyst	16. LEED Accredited Professional and Operations Maintenance
7. BPI Certified Envelope Professional	17. NORA Bronze Basic Oil Heat Technician
8. BPI Healthy Home Evaluator (HHE) Certification	18. Passive House Institute of US, Certified Consultant
9. BPI Infiltration and Duct Leakage Certification	19. Passive House Institute of US, Verifier Certification
10. BPI Multifamily Certification	20. Passive House Institute US (PHIUS) Verifier
	21. Three Day Basic Oil Heat Class
	22. WaterFurnace International Geothermal Residential Forced Air Equipment Training
	23. WELL Accredited Professional

If you or your employees have taken any of the classes listed above and you have not yet applied for grant funds, please contact us to discuss. If you have an energy industry related class in which you are interested in taking, or have already taken, during this time frame and it is not on the list above please contact us; we may be able to revise the list.

As a condition of the funding grant, recipients are asked to report a training outcome for each employee, such as a certification, a wage increase, new job title, or promotion. As required by the Department of Labor and Industry, trainees must provide their social security number (SSN) and complete a brief training evaluation following completion of the training. SSNs are used for state reporting only and not retained.

Disallowable costs include: conferences; non-certification or credential seminars, travel or other expenses; and lost wages or salary reimbursement.

Contact Jim Lauckner or Sherry Cockerham with questions, request for more information, or to receive timely notifications of SEI-approved training in the region.

Jim Lauckner, Sr. Project Consultant  
[jlauckner@ccedcpa.com](mailto:jlauckner@ccedcpa.com) | (610) 321-8231

Sherry Cockerham, Project Coordinator  
[scockerham@ccedcpa.com](mailto:scockerham@ccedcpa.com) | (610) 321-8213

The Smart Energy Initiative of Southeastern Pennsylvania (SEI) is an initiative of the Chester County Economic Development Council and is funded in part by the private sector with grant funding received from the Pennsylvania Department of Labor and Industry through the Chester County Workforce Development Board.





### **The GPAEE Appreciates Our Corporate Sponsors!**

GPAEE has served the Philadelphia area energy community for over 30 yrs. During that time we have maintained our goal of keeping energy professionals up to date on the latest energy issues and innovations. ***But we can't do it without YOU!*** GPAEE is a volunteer non-profit organization. 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. Each month GPAEE's award winning newsletter is read by over 1,000 energy professionals - engineers, facility & building managers, contractors and vendors. In addition, our monthly events are attended by 100 + energy professionals. Your company can reach our professional audience via several corporate support options.

**We hope you will consider sponsoring one of our monthly events or a corporate membership!**

<b><u>corporate support Option</u></b>	<b><u>Details</u></b>
<b>Corporate Membership</b> \$150.00 (includes 5 people, each additional person is \$30.00)	- 5 Individual annual memberships - a \$175.00 value
<b>Newsletter Advertisement</b>	- 1/4 page - \$50.00 per issue or \$100 per year - 1/2 page - \$75.00 per issue or \$200 per year
<b>Event or Meeting Sponsor</b> \$300 per meeting	- Corporate profile in meeting announcement & newsletter - Full page ad in newsletter of choice

## **Thank You Corporate Members!**

[BurnsEngineering](#)  
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[ConcordEngineeringGroup](#)  
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[EcoSave,Inc](#)  
[ECCO/GREGORYInc.](#)  
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[HutchinsonMechanicalServices](#)  
[KlenzoidInc.](#)  
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[PECO](#)  
[PennPowerSystems](#)  
[PetersonServiceCo.](#)  
[PhiladelphiaGasWorks](#)  
[PrecisEngineering](#)  
[ProvidentEnergyConsulting,LLC](#)  
[PWIEngineering](#)  
[RossMechanicalGroup](#)  
[SwagelokPenn](#)  
[Tozour Energy Systems](#)  
[UGI EnergyServices](#)  
[Veolia North America](#)

### **About AEE National**

The Association of Energy Engineers (AEE) is a non-profit professional society of 16,000 members in 89 countries. The mission of AEE is *"top remote 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 meets regularly to discuss regional issues. AEE's roster of corporate members is available "who's who" from the commercial, industrial, institutional, governmental, energy services & 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 on site 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.

To become an AEE National Member, [please click here:](#)



Receive a 50% discount on National Membership by entering  
"Chapter 50"



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# For businesses, saving energy never looked so good.

Energy-efficient upgrades are a bright way for businesses of all sizes to reduce operating costs, increase comfort and grow the bottom line. With **increased financial incentive levels** for improving energy efficiency, PECO can help you shine light on new ways to save.

- For more information, call **1-844-4BIZ-SAVE** (1-844-424-9728) or visit **[peco.com/MoreSavings](http://peco.com/MoreSavings)**.



PECO. The future is on.



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## AEE's Resource Site for Training, Professional Books & Industry Events

### SEMINARS

LIVE ONLINE ON DEMAND

**AEE seminars** offer a broad spectrum of energy management, building efficiency, and facility optimization courses. Seminars serve as official preparatory courses for AEE professional certification programs. Seminars are scheduled live in cities throughout the U.S., real-time online with anywhere access and On-Demand with any time access. We can also bring a course to you at your location worldwide. AEE seminars are the official course provider for the U.S. Military globally. Attendees earn CEUs, AEE Re-certification and PDH credits.

### TRADE SHOWS

GLOBALCON EMC WEEC

Each year the AEE presents an exciting line-up of conferences and trade show events for energy and facility professionals. The programs provide an excellent opportunity to find out about the issues and marketplace developments that impact your decisions. As an attendee, you can see first-hand the latest technologies and solutions while you network with your industry colleagues. As an exhibitor, you can showcase your products and services to decision-makers.

### PROFESSIONAL BOOKS

Browse a cross-section of professional reference publications covering energy engineering, energy management, sustainability, alternative energy, power generation, HVAC, lighting, electrical systems, sustainability carbon reduction, energy procurement, facility management, maintenance, water efficiency and more. EBOOKs are available through **Energy Vortex**, Apple, B&N and Amazon.

The Association of Energy Engineers/AEE is a membership organization of over 17,000 professionals involved in all areas of the energy field. For more details on the full scope of AEE's programs and activities, as well as information on how to become a member of AEE, visit the Association's official web site home page at [www.aeecenter.org](http://www.aeecenter.org)



## GPAEE Board

Board Position	Officer Name	Organization
President	Tara Pasca	Concord Energy Services
Vice President & Treasurer	Steve Beck	Kinect Energy
Secretary	Phil Coleman	Lawrence Berkeley National Laboratory
Events Coordinator	Judi Subers	UGI Energy Services
Membership	Monica Bersani	Philadelphia Gas Works
Education	Helen Silvis	Energy Systems Group
Employment Initiative	Jim Clark	Clark Energy
Website	Michael Walton	Burns Engineering
Awards	Glenn Murphy	PECO
Newsletter	Daryl Marie Landgraf	Veolia North America
Past President	Bill Oppenheim	Man of the world
Member at Large	Jon Wohl	DCO Energy

