

GPAEE Newsletter



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

Greater Philadelphia Chapter of the Association of Energy Engineers * March 2021

Energy Market Updates for Power, Natural Gas and Liquid Fuels

March 10, 2021

12pm to 1:30pm

[Click here to register here for the virtual meeting](#)



It's no secret that COVID and the ensuing economic challenges caused havoc on global and domestic commodity markets. Hear from industry experts on how we got here and what the outlook is for power, natural gas and liquid fuels. Also, what effect will the new administration's renewable goals have on the market?

[Andy Huenefeld](#), Director, Energy Price Risk with World Kinect Energy Services

[Argyris \(Gary\) Kligos](#), Director, Government Sales & Business Development Manager with World Kinect Energy Services

PJM's Winter Operations, Sharing Power with RTO's and The Challenges for the Grid of the Future

March 18, 2021

12pm to 1:30pm

[Register here for the virtual](#)



Operating the nation's largest electric grid during COVID-19. Join us for an inside look at the planning, preparation and operation of PJM through the pandemic. Senior Vice President of PJM Operations Mike Bryson will share his insights and discuss winter operations along with how power is shared with other RTO's. What trends could help share the Grid of the Future?

Speaker: **Mike Bryson** - Senior Vice President of PJM Operations

THANK YOU TO OUR MEETING SPONSOR!

Connect with us

Connect with us on



GPAEE Chapter board Officers & Board at Large

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******If you are hiring summer interns, please send an email to president@gpaee.org to promote at monthly meetings and online.******

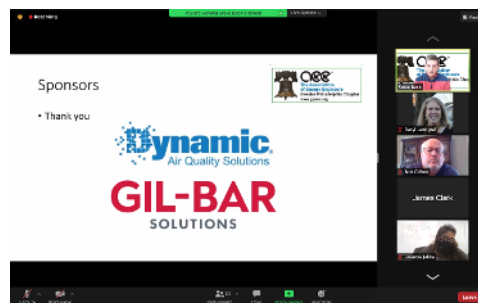
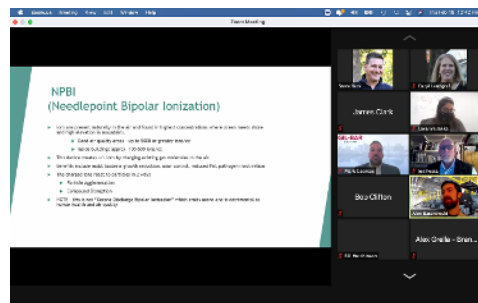
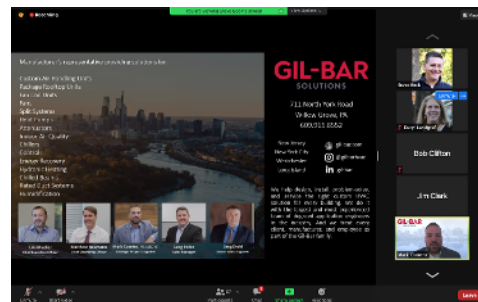
February 18, 2021

In Case You Missed It

Energy & COVID: Implications of New Indoor Air Quality Technologies

WOW! If you run a building , are a "geek" about HVAC & air flow (like I am) AND missed this virtual meeting ,you have got to set aside 90 minutes real soon to see and hear from our guests last month! So interesting!!

Click here or on any of the slide shots.



James A. Clark, CEM is the President of Clark Energy, Inc., which has been providing energy consulting services since 1993. Jim will be giving an update on present ASHRAE recommendations on COVID mitigation. He will lead the panel discussion at the end of the presentations.

Joe Pessa is Regional Manager of Commercial Products for Dynamic Air Quality Solutions. He is a Certified Trade School Instructor & Exam Proctor, he is active in ASHRAE and currently holds voting positions on both the Commercial-62.1, and Residential-62.2, Ventilation Standard Committees.

Alex Baranowski, CEM and Energy Specialist for Emcore Services. Alex is a Certified Energy Manager through the Association of Energy Engineers and is a leader in vetting and implementing cutting edge technologies.

Mark Csontos, PE, LEED AP is a Strategic Project Engineer with Gil-Bar. Amid the COVID-19 pandemic, he has concentrated on indoor air quality solutions and balancing product IAQ benefit with energy efficiency.



About EnergyPath 2021



Sustainable Energy Fund is pleased to announce that EnergyPath 2021 will take place on Tuesday, June 29th at DeSales University. This conference will be livestreamed, so attendees will have the choice to attend in person or virtually. This year's conference will focus on healthy and efficient buildings, including the need to improve indoor air quality without sacrificing efficiency and what opportunities there are to improve energy efficiency in building equipment.

Now Accepting Speaker Proposals

Registration for EnergyPath 2021 is not yet open. Meanwhile, SEF is soliciting presenters to discuss topics that address how the energy market will change between now reflect the conference focus.

SUBMISSION DEADLINE: MARCH 23, 2021

Please email proposals to Director of Special Projects, Holly Edinger at hedinger@thesef.org

Proposals Must Include:

- Presenter/ co-presenter Name, Title, Organization, Address, Phone, Email
- Title and session description
- Learning objectives (By attending this session, participants will...)

***The conference registration fee is waived for speakers**

Upcoming

April 22, 2021

Microgrid Applications

Speakers talking about the latest in microgrid technologies and applications
12:00 PM - 1:30 PM

May 20, 2021

Indoor grow facilities and their energy needs

Hear from commercial growers on the significant energy demands of these facilities
12:00 PM - 1:30 PM

June 24, 2021

Spring Closer

We are working on an outdoor venue so we might be able to socialize in the summer weather!
Where and When - TBD

Mark your calendars!

We are going to have our Annual Golf Outing - AGAIN!

September 16, 2021

We will get you more details as they come!



Mark Your Calendars

Bridge to 2030: Building Electrification

Tuesday, March 16 | 9:00am-10:30am | Zoom

Our next Philadelphia 2030 District event is here!

Cost

Members: \$5

Non-members: \$10

[Register - Click this link](#)

Green Building United is partnering with Green Building Alliance (Pittsburgh 2030 District, Erie 2030 District) to explore topics of reducing greenhouse gas emissions through electrification as well as the effect of the Pennsylvania regulatory environment on electrification.

Join us on Zoom to hear about space heating in existing commercial buildings, regulatory assistance, and fuel switching policy.

Speakers

- Chris Perry, American Council for an Energy-Efficient Economy
- David Farnsworth, Regulatory Assistance Project
- Weston Berg, American Council for an Energy-Efficient Economy
- Emma Cooper, American Council for an Energy-Efficient Economy



Learning Objectives

- Understand the benefits of electrification as it relates to reducing carbon and Greenhouse Gas (GHG) emissions
- Learn the benefits of and challenges with switching fuel sources
- Understand current policies that affect building electrification and fuel switching
- Learn financing options which can be used for electrification

Philadelphia C-PACE



**C-PACE PROVIDES
FINANCING FOR ENERGY
EFFICIENCY, RENEWABLE
ENERGY, AND WATER
CONSERVATION PROJECTS**

Benefits of C-PACE

- » 100% upfront financing can fill gap in capital stack
- » Competitive cost of capital for exceeding new energy codes
- » Up to 30-year terms
- » Special assessment stays with the property if a sale occurs
- » Can be used retroactively
- » Achieve immediate energy and water savings
- » Improve property value through
 - reduced carbon footprint
 - reduced operating cost
 - capital improvements

About C-PACE

Commercial Property-Assessed Clean Energy (C-PACE) financing can help property owners reduce the cost of capital for retrofits, gut rehabs and new construction.

C-PACE is available for:

- ☐ Any commercial or industrial property (not multifamily)
- ☐ Commercial portions of mixed-use buildings
- ☐ Tax-exempt organizations (nonprofits, churches, etc.)
- ☐ Energy and/or water efficiency or renewable energy investments
- ☐ Projects seeking at least \$100,000 in hard and soft costs

See funded projects at philadelphiacpace.org/projects

For more information: PhiladelphiaCPACE.org
or contact us at: CPACE@Philaenergy.org



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ENERGY AUTHORITY

ENERGY JOB BOARD

Employment Initiative

The economy is improving, however, many of our business 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 offers the following assistance for unemployed energy professionals:

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

Ads are free except those solicited by professional employment agencies.

1. If you are looking for employment or have a position to fill, check out our **Employment Tab** on the website. It's self-serve and a great place to post and share opportunities.
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.
5. Contact Jim Clark directly for any employment questions @ 610-299-1743 or clarkenergy@comcast.net

NEW POSTINGS

Cushman & Wakefield is seeking a **Building Automation Sustainability Engineer** onsite for a large financial industry client in Malvern, PA. If you are interested in applying, please click this box.

Jack Rogers
Talent Acquisition Recruiter
Global Occupier Services
Direct: (312) 424-8270
Jack.Rogers@cushwake.com

Green Building United is seeking a **Program Coordinator** to build on our 20-year history working in the sustainable building and climate resilience movement in the greater Philadelphia region, including the Lehigh Valley and State of Delaware!

The Program Coordinator will be responsible for supporting programmatic work that GBU leads in several exciting areas. Currently, these include Energy Benchmarking and Disclosure work in Pennsylvania and Delaware, the Building Energy Performance Policy in Philadelphia; the Philadelphia 2030 District; and other related education, advocacy, and strategic initiative efforts.

Applications will be considered until the position is filled. [Learn more about the position and how to apply.](#)

ENERGY JOB BOARD

The Energy Efficiency Alliance is hiring for three exciting opportunities in both PA and NJ. Please share widely with your networks and help us find great candidates for these positions!

1. **Policy Counsel:** entry- to mid-level focused on regulatory affairs and legal proceedings.
2. **Clean Energy Business Engagement Manager:** focused on membership development and engaging businesses in policy matters.
3. **Policy Associate:** entry- to mid-level focused on supporting our growing policy team through policy monitoring, research, writing, and media.

These positions can also be found on our [website](https://energyefficiencyalliance.org/careers-at-eea/).
<https://energyefficiencyalliance.org/careers-at-eea/>
Note: all applications are due no later than March 25th.

Director of Regulatory Affairs **Keystone Energy Efficiency Alliance**

<https://keealliance.org/careers-at-kea/>

jobs@keealliance.org

Vice President, Strategy & Operations **Philadelphia Energy Authority**

The Vice President of Strategy & Operations is a senior executive position that will work directly with the President & CEO to manage the day-to-day operations of the Authority, improve systems, reporting and processes, lead financial and budgeting activities including grants management and contracting, oversee program and project administration, marketing and communications and support strategic planning and development efforts as appropriate.

[Click here to apply](#)

Construction Safety Professionals

03/07/2021, Compliance Management International

North Wales, PA 19454, USA -Distance: 30km

Management | Health and Safety | Compliance | Construction | Environmental

Civil Engineering Branch Manager

03/07/2021, Liberty Jobs

Newark, DE, USA -Distance: 58km

Business Development | Civil Engineering | Engineering | Civil | Environmental

Senior Test Automation Engineer/Lead

03/07/2021, DiverseLynx

New Jersey, USA -Distance: 66km

Automation | Automation Engineer | Engineering | Contract Manager | Design

Project Engineer

03/07/2021, System One Services

Elkton, MD 21921, USA -Distance: 69km

1 | Management | Project Management | Chemical | Civil Engineering

Building Automation Controls Specialist

03/07/2021, Liberty Jobs

Warminster, PA 18974, USA -Distance: 29km

Management | Automation | Energy | Controls | Service

2021 Exelon Summer Internship: Electrical Engineer : NE Region (DE, PA, NJ)

03/07/2021, Exelon Corporation

Philadelphia, PA, United States

Academic | Internships | Graduate | Electrical Engineering | Engineering

Infrastructure Operations Engineer

03/07/2021, Princeton Consulting, LLC

New Jersey, USA -Distance: 66km

Security | Management | Automation | Engineering

Director of Business Development

03/07/2021, BioDuro

Philadelphia, PA, United States

Account Management | Management | Project Management | Alternative

EHS (Environmental Health & Safety) Manager

03/07/2021, LiDestri Food and Drink

Pennsauken Township, NJ, USA -Distance: 9km

Security | supervisor | Management | Project Management | Agricultural

Plant Engineer

03/07/2021, Liberty Jobs

Philadelphia, PA, United States

Manufacturing Engineer | Engineering | Controls | Industrial Engineering | Technology

Manufacturing Engineer

03/07/2021, Cardone Industries

Philadelphia, PA, United States

Quality | Manufacturing Engineer | Engineering | Automotive

2021 Supply Chain and Engineering Summer Internship

03/07/2021, Johnson & Johnson

Franklin Township, NJ, USA -Distance: 81km

Quality | Management | Project Accounting Management |

Energy Jobline is the largest and fastest growing global Energy Job Board and Hub.

They focus on the Oil and Gas, Renewables, Power, and Nuclear markets as well as emerging technologies in EV, Battery, and Fusion.



Association of Energy Engineers Foundation Scholarship

The Association of Energy Engineers is a proud supporter of energy-related studies. AEE will be making \$500, \$1000 & \$2000 scholarships to students currently enrolled or enrolling into an accredited college or university for a degree in Engineering or Sustainability.

**Applicants for nomination to AEE Foundation for
2020 scholarships are now being accepted!**

Applying is easy!

Application forms must include
supporting documents:



Current Transcript



School Faculty
Recommendation



150-300 Word
Statement

For the **application form and complete
instructions**, please visit AEE
Foundation Scholarship webpage at:

www.aeecenter.org/about-aeefoundation

Completed application forms with all
supporting documents must be
submitted to the Greater Philadelphia
chapter of AEE, for nomination to the
AEE Foundation.

**Applications must be emailed to Alon Abramson at education@gpae.org and
are due by **April 15th**.**

**Greater Philadelphia Association of Energy
Engineers** also offers 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.



Association of Energy Engineers
Greater Philadelphia Chapter
www.gpae.org



Education

Premier Certified Energy Manager Training Program - Attend In-Person or Virtually

Earns 3.3 CEU / 33 PDH / 6.6 AEE Credits

Live Training with 2 Instructors(Premium Training Experience) -Attend In-Person or Virtually

Please note that virtual attendance is available to US participants only. Contact your local training provider for programs available in your region.

April 12-16, 2021 Dallas, Texas, United States

Premier Certified Energy Manager Training Program - Attend Virtually

Earns 3.3 CEU / 33 PDH / 6.6 AEE Credits

Live Training with 2 Instructors(Premium Training Experience)- Attend Virtually

Please note that virtual attendance is only available to US participants. Contact your local training provider for programs available in your region.

April 19-23, 2021 United States

Certified Measurement & Verification Professional Training Program – Attend In-Person or Virtually

Earns 1.8 CEU / 18 PDH / 3.6 AEE Credits

Attend In-Person or Virtually.Registration for this CMVP program now includes the certification fee.

Please note that virtual attendance is only available to US participants. Contact your local training provider for programs available in your region.

April 26-28, 2021 Chicago, Illinois, United States

Project Management for Energy Engineers and Energy Managers Online Training Program (Non-certification Course)

Earns 0.8 CEU / 8 PDH / 1.6 AEE Credits

Please note that this program is designed for US attendees only. Contact your local training provider for programs available in your region.

May 11-13, 2021 United State

Thank You

Corporate Members!

Aquis Air Quality Solutions

Brandywine Realty Trust

Burns Engineering, Inc.

Commercial Utility Consultants

Concord Engineering

Diversified

E-Finity Distributed Generation

Hutchinson Mechanical Svcs

Lima Company

PGW

Steamfitters Local 420

Tozour Energy Systems

UGI Energy Services, Inc.

Vicinity

About AEE National

Association of Energy Engineers (AEE) is a non-profit professional society of 16,000 members in 89 countries. The mission of AEE is *"to promote 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 variable "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 Co-generation & 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.

To become an AEE National Member, please click here:



Support the GPAEE

GPAEE has served the Philadelphia area energy community for over 30 years. During that time, we have maintained our goal of keeping energy professionals up to date on the latest energy issues and innovations. **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. In turn, your company can reach our professional audience via several corporate support options.

But we can't do it without YOU!

CORPORATE SUPPORT OPTIONS	DETAILS
Annual Corporate Membership: \$150.00/yr (includes 5 people, each additional person is \$30.00)	<ul style="list-style-type: none">• 5 Individual memberships - \$175.00 value• Listing in the National AEE Newsletter
Corporate Advertisement in the Monthly GPAEE Newsletter	<ul style="list-style-type: none">• 1/4 page - \$50/issue or \$200/year• 1/2 page - \$75/issue or \$400/year
Monthly Event Sponsorship \$300/mo	<ul style="list-style-type: none">• Corporate profile in mtg announcement• Full page ad in one Newsletter• Newsletter sponsorship announcement• Table top @ sponsoring event• Short presentation @ beginning of event



THE ENERGY TO SUCCEED

GO WITH THE PROVEN ENERGY SOLUTION:
CLEANER, GREENER NATURAL GAS.

More than 25,000 businesses in Philadelphia use natural gas from PGW, so they can focus on their operations, not on their energy bills.

- Natural gas is affordable and reliable.
- Our experts assist you in finding a solution sized for your business.
- PGW can help you take advantage of great rebates and incentives.

And PGW is an industry leader in Combined Heat & Power technology – so you can cut costs AND improve resiliency.

CONTACT OUR
MAJOR ACCOUNTS TEAM TODAY:

📞 215-684-6671
✉ major.accounts@pgworks.com





The Association of Energy Engineers®(AEE®), founded in 1977 by Albert Thumann, is a nonprofit professional society of over 18,000 members in more than 100 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 (Live and online), conferences, journals, books, and certification programs. AEE's network of over 100 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.

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

The Foundation of the Association of Energy Engineers is a nonprofit organization that is dedicated to furthering education in energy and management. To date, the Foundation has awarded over \$950,000 in scholarships for use by outstanding students.

As a member, you will receive a cross-section of member benefits Including:

- Subscriptions to leading-edge technical publications
- Newsletters &magazines
- VIP member discounts on conferences, seminars &books
- Industry networking opportunities
- Conference proceedings

AEE Members are invited to participate in:

- Industry-recognized certification programs
- Conferences and trade shows
- Nominate individuals, companies or projects for AEE Awards programs
- Participate in a local chapter, offering networking and professional opportunities on a local basis

Become an AEE National Member Today





THE BULLETIN BOARD



APRIL 20-21, 2021 | A TWO-DAY VIRTUAL CONFERENCE



ENERGY EFFICIENCY FOR TRANSFORMATIVE SOLUTIONS

A Two-Day Virtual Conference

April 20-21

AEE presents a forum for education, discussion, and growth. Unprecedented changes are driving a revolution in energy efficiency, clean energy, and decarbonization. This virtual conference focuses on the strategies, technologies, and solutions used to transform industry, business, and communities.

Featured Speakers

Dawn James



Kelly Speakes-Backman



Anthony E. Malkin



Renewable energy advocate submits Solar Farm design to LEGO Ideas

Global Energy News March 5, 2021



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ENERGY EFFICIENCY FOR TRANSFORMATIVE SOLUTIONS

APRIL 20-21
2021

A Two-Day
Virtual Conference



aeevirtual.com

Event Schedule

Day 1 Tuesday, April 20	
9 - 10:15 am	Opening Plenary Session
10:15 am	Sponsor Showcase
10:30 am - 12:30 pm	Session 1A: Energy Policy
	Session 1B: Low Carbon Strategies for the Industrial Sector
	Session 1C: Renewables and Microgrids
12:30 pm	Technology Showcase
12:30 - 1 pm	Lunch Networking - Hot Topics
1 - 2:30 pm	Clean Energy Transformation - Panel Discussion
3 - 5 pm	Session 2A: Trends in Energy Efficiency
	Session 2B: Commissioning, and Measurement and Verification
	Session 2C: Big Data & Energy Analytics
5 - 6 pm	AEE Networking - Jeopardy Challenge
6 - 7 pm	CWEEL Panel - Mentor/Mentee Rock Stars
7 - 8 pm	CWEEL Networking - Who's Got Game?

Day 2 Wednesday, April 21	
7:45 - 8:45 am	CWEEL's Power Hour - Women Entrepreneurs Pioneering in the Energy Sector
9 - 10 am	CWEEL Plenary Session
10:00 am	Sponsor Showcase
10:30 am - 12:30 pm	Session 3A: Decarbonization & Electrification
	Session 3B: Best Practices in Energy Projects
	Session 3C: New Technologies
12:30 pm	Technology Showcase
12:30 - 1 pm	Lunch Networking - Hot Topics
1 - 3 pm	Session 4A: Energy Efficiency Post Pandemic
	Session 4B: Energy Management 101
	Session 4C: The Future of Buildings Connected and Net Zero
3:30 - 4:30 pm	Closing Plenary Session

All Times Shown are Eastern US Time Zone (EDT/-5GMT)
Version: Mar. 5, 2021 Subject to Change Without Notice.

WHAT'S A GOOD MASK?

1

MATERIALS THAT FILTER DROPLETS IN THE AIR

- Commercially-produced medical (polypropylene), or...
- Two-ply or dense-weave cloth
- NO loose-knit materials

2

GOOD SEAL ALONG THE BRIDGE OF YOUR NOSE, CHEEKS, AND CHIN

- Flexible metal stay to bend over bridge of nose, or elastic that can be pulled tight across cheeks
- Stretchy ear-loops so that mask can be pulled tight to face
- NO bandanas or masks that are loose below the mouth

3

NO VALVES!

HOW TO WEAR YOUR MASK



- Cover your mouth AND nose
- Pull tight to seal along cheeks, nose, and chin
- DO NOT lower your mask to talk to others

WHEN TO WEAR A MASK



- Whenever you are indoors with persons other than your household members



- Whenever you are outdoors within 6 feet of persons other than your household members.