

**The Greater Philadelphia Chapter of the Association of Energy Engineers  
Newsletter  
June 2006**

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**MARK YOUR  
CALENDAR:**

**GO GOLF AEE!  
June 22nd**

**SEE YOU IN  
SEPTEMBER  
WEEC  
Washington DC  
September 13-14**

**Newsletter Editor**

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**Deadline for newsletter  
submissions is 28th day of  
month!**

**Published monthly January-June  
and August - December**

**June AEE MEETING ANNOUNCEMENT:**

**WHEN: June 22, 2005**

**WHERE:** Mainland Golf Course, Mainland PA  
(Lansdale exit- NE extension - PA Turnpike)

**TIME:** Shotgun Start -Registration at 8:15 am Sharp!

**PRICE:** \$70.00 per golfer

**POC:** Steve Siddal (Fluidics) 215 671-7912  
[ssiddal@fluidics.com](mailto:ssiddal@fluidics.com)

Make checks payable to AEE Delaware Valley Chapter by June 16<sup>th</sup> and mail to Steven Siddal, 101 Chamberlain Circle, North Wales, PA 19454

Shotgun start with everyone teeing off at the same time. Registration starts at 8:15 am. The format will be Scramble (Best-Ball). Cost includes:

- Cart and Green Fees
- Hot and cold buffet w/salads
- Cold beverages (beer, soda, etc.)
- Awards
- Door Prizes
- Special Cash Prize drawing for one lucky guest/friend of a vendor

WELCOME TO NEW AEE REGIONAL MEMBERS who signed up to join the Greater Philadelphia chapter at the May AEE Meeting held at McCall Field:

James Watters, Delaware Valley Utility Advisors  
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**EDITOR'S CORNER:**

**2006 AEE Region 1 Corporate Energy Manager is Mike Sanders!**

**Sunoco Energy Plan Success Story**

**Mike Sanders**, an engineer for nearly thirty years in the oil refining and chemical business with an emphasis on engineering and maintenance, is highly motivated about finding better ways to accomplish energy savings. In the late 1990s he got management approval for an energy software system that enabled him to monitor energy usage in real time at the Philadelphia refinery. Additionally, with the increasing cost of energy, Mike is always on the lookout for ways to control cost and save energy in a company whose energy accounts for 50 to 60 percent of its annual costs. Although Mike views energy savings projects as works in progress, since refineries are too large to tackle everything at once, to date as a result of his efforts, over \$5 million in energy savings has been realized.

Sunoco had an energy management plan since the 1990's but previously insulation upgrades weren't part of it. Mike heard how much energy could be saved by upgrading and maintaining the refinery insulation system and got approval to do two pilot projects. Two process areas were selected, where piping and equipment were very large and temperatures were very high, and as a result the savings in the first year was a half of a million dollars.

The principal reason for the upgrades was to save money on energy costs so news spread quickly and more Sunoco unit managers wanted projects executed. Mike had to prioritize needs and perform upgrade projects that offered the best savings opportunities. Soon other people at other locations started to pay attention when Mike presented the status of energy improvements at the Northeast Refining Complex at an annual Sunoco conference. Sunoco refineries in Toledo and Tulsa also had energy assessments performed and insulation upgrades are currently underway in Ohio and Oklahoma.

Initial feed back from the Northeast Refining Complex that includes Philadelphia and Eagle Point Refineries is that after the cleaning and insulation upgrades, the units haven't run as well in years. Also after installing removable insulation covers around high-maintenance areas of piping and heat exchangers, one unit was up to full operating capacity two months ahead of schedule.

Sunoco's Mike Sanders with the help from MJL Consulting in Kennett Square, PA has trained more than 100 of its engineers, maintenance and contract administration personnel on how to inspect, and administrator insulation projects.

**Congratulations to Mike who will be receiving the AEE Region 1 Corporate Energy Manager award at WEEC in September!**

**Liz Kimmel  
AEE Region 1 Vice President**

**2006 BOARD**

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**GREEN BUILDING  
INITIATIVE (GBI):**

Look for GBI at these  
upcoming events:  
[The Concrete Industry's  
Strategic Development  
Council Session #19  
Niagara on the Lake, Canada](#)

June 8 – June 10

[American Institute of  
Architects \(AIA\) National  
Convention & Design Expo  
Los Angeles, CA](#)

June 25 – June 27

[BOMA International's 2006  
North American Commercial  
Real Estate Conference &  
The Office Building Show  
Dallas, TX](#)

**June 13-15, 2006**

**Energy Modeling Training  
for Energy Professionals -  
3 Day Workshop**

Philadelphia University  
School House Lane and Henry  
Avenues  
Search Hall Building

For more information contact:  
Lorna Rosenberg, Director of  
Programs and Outreach  
Delaware Valley Green Building  
Council  
100 North 6th Street, 6th Floor  
Philadelphia, PA. 19106-1590  
(267) 238-3894  
[rosenberg@dvgbc.org](mailto:rosenberg@dvgbc.org)  
[www.dvgbc.org](http://www.dvgbc.org)

**OTHER ANNOUNCEMENTS:**

**WHAT: WEEC 2006**

**WHERE: Washington Convention Center  
Washington DC**

**WHEN: September 13-14<sup>th</sup>**

**EXPO: Hall D**

**Hours: September 13<sup>th</sup>: 10:00 am – 6:00 pm  
September 14<sup>th</sup>: 10:00 am – 4:00 pm**

The action comes to Washington DC on September 13-14 when the World Energy Engineering Congress (WEEC) takes place at the prestigious, state-of-the-art Washington Convention Center.

Energy cost control for both energy efficiency and supply reliability has never been greater as energy users continue to face supply uncertainties and energy price volatility. Professionals who attend WEEC are aware of the proven payback of dollars spent to secure their organization's energy-economic future. WEEC 2006 offers opportunity for those seeking energy efficiency, distributed generation, renewable/alternative energy and all related products and services.

- Technologies and Services:
- Energy efficient technologies
- Renewable and alternative energy
- Combined heat and power/cogeneration/distributed generation
- Application specific to federal energy management programs
- Efficient lighting products and lighting controls
- High-performance HVAC systems and controls
- Boilers and combustion controls
- Integrated building automation and energy management
- Geoexchange technologies
- Solar and fuel cell technologies
- Energy services and project financing

Contact AEE at [www.aeecenter.org/weec](http://www.aeecenter.org/weec) for more information

See you at WEEC in September!

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## June 2006

### AEE NATIONAL

### STRATEGIC PARTNERSHIP

A Strategic Partnership was recently formed between AEE and the National Insulation Association (NIA), to provide AEE Regional Chapters with a presentation on a proven but often forgotten technology, simply known as insulation.

In April AEE and NIA formed a Partnership to leverage the resources on both organizations to promote the educational aspects of professionals engaged in energy efficiency and the "Power of Insulation" in various market segments.

NIA ([www.insulation.org](http://www.insulation.org)) is a fifty year old trade organization representing the mechanical and specialty insulation industry. Its members provide services and products to the new construction and maintenance segments of the mechanical, industrial and commercial markets throughout the United States.

### ENERGY NEWS:

#### NATIONAL

With all the news about the recent rises in oil, natural gas and gasoline prices it should come as little surprise that the national average price of electricity in the United States rose by a stunning 10.9 percent during the period of April 2005 to April 2006.

NERC Expects higher electricity supplies this summer.

The North American Electric Reliability Council (NERC) released its 2006 Summer Assessment. The report provides an assessment of the reliability and adequacy of the bulk electric system in North America for the period of June 2006 through September 2006.

#### MARYLAND

PEPCO elected two to Board of Directors

PEPCO elected two new members to the Board of Directors. Frank O. Heintz and Lester P. Silverman were the first directors elected to one-year terms under the restated certificate of incorporation that provides for the annual election of directors.

Constellation Energy (NYSE: CEG) and its subsidiary Baltimore Gas and Electric Company (BGE) released a statement regarding BGE's appeal to the Maryland Court of Special Appeals concerning a lower court ruling prohibiting the utility from communicating the specifics of a Maryland Public Service Commission (PSC) approved rate stabilization plan.

#### OHIO

American Electric Power (NYSE: AEP) and its Appalachian Power operating unit have signed five multi-year wholesale power supply agreements with municipal and cooperative utilities in Virginia and West Virginia with a combined peak load of approximately 230 megawatts (MW)

Ohio builds parts for Wind Projects

Ohio has 25 companies that produce components for tower-mounted turbines that turn the power of wind into electric energy. Ohio is a laggard among the states that are home to wind turbine power production, according to the American Wind Energy Association, a trade group for wind turbine makers, project developers and utilities.

#### CALIFORNIA

Should California Set goal of 50% Renewable Energy Resources?

Yes, according to the head of the national geothermal trade association, Geothermal Energy Association (GEA), California should set a goal of producing 50 percent of its energy from renewable energy resources by 2025,

#### PENNSYLVANIA

The Energy Association of Pennsylvania, the Electric Power Generation Association, PJM Interconnection and Midwest Independent System Operator (MISO) advised the Pennsylvania Public Utility Commission (PUC) that they are expecting normal demands for electricity and have ample power to meet the demand for electricity during the summer months while maintaining enough power for emergencies.

The Process towards higher energy prices in PA has begun

The Pennsylvania Public Utility Commission (PUC) established a process for discussing the issues and possible policy action that would mitigate potential future significant increases in electricity prices.

PPL Corporation joined the FutureGen Industrial Alliance, a nonprofit consortium working with the U.S. Department of Energy to build the cleanest coal-fired power plant in the world.

Allegheny Wind Farms

Wind-energy developer Gamesa Corp. is considering the Allegheny Mountains north of Cresson to become part of the Allegheny Wind Ridge Farm.

Strategic Energy L.L.C., a leading supplier of retail electricity in competitive markets, recently introduced a "Statement of Principles for Marketing Retail Electricity" for New York customers.


John Hanger, president and CEO of Citizens for Pennsylvania's Future (PennFuture), opened the organization's annual clean energy conference by challenging the nearly 300 elected and appointed government officials, energy company executives, renewable energy financiers and leading environmentalists to "reach for the stars as well as the sun," and do more to make Pennsylvania the green energy market leader in the next decade.

For the first time, demand response can fully compete with generation to provide ancillary services in an organized wholesale electricity market. PJM Interconnection opened its synchronized reserves and regulation markets to demand response providers.

#### NEW JERSEY

PSEG Power has completed construction and testing of the Linden (NJ) Combined Cycle Energy Project and the 1,220-megawatt (MW) natural gas fired facility has been placed in commercial operation.

Public Service Enterprise Group (PSEG) (NYSE: PEG) announced that first quarter 2006 Income from Continuing Operations was 79 cents per share. Operating Earnings, which exclude the impact of costs associated with the pending merger with Exelon of 2 cents, were 81 cents per share for the quarter.



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- Develop energy solutions with operational and economic advantages


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Members are welcome to place ads in the Newsletter:  
(215) 684-6725: [john.zuk@pgworks.com](mailto:john.zuk@pgworks.com)  
Business card: \$75.00 a year /\$90 non-members.  
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