



# Energy Report

Newsletter for the Central Pennsylvania Chapter of The Association of Energy Engineers

Volume I, Issue VII

April 2008

## About the Central PA Chapter:

- Local Chapter meetings held throughout the year (except July & August).
- Monthly meetings generally include a speaker on a "hot" energy topic coupled with a plant tour.
- Network with industry peers.

**We're on the Web!**  
[www.aee-centralpa.org](http://www.aee-centralpa.org)

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## MAY MEETING NOTICE

### AEE Central PA Chapter May 8th Meeting Announcement

- Topic:** **Electric Deregulation & Cogeneration**
- Program:** 11:15 a.m.— Registration  
11:45 — Bob Bennett, Public Utility Commission  
12:30 — Jeff Beiter, E-finity/Capstone  
12:50 — Jeff Gromis, Masonic Village  
1:00 — Tour of Masonic Village Cogeneration System
- Location:** Masonic Village at Elizabethtown  
One Masonic Drive  
Elizabethtown, PA 17022
- Date:** Thursday, May 8, 2008  
11:15 a.m. to 2:00 p.m.
- Registration:** To register, contact Edward Berger at [eberger@rpaengr.com](mailto:eberger@rpaengr.com) or (610) 374-6144 x257 by 5/2/08
- Registration is \$25 for AEE members or \$30 for non-members
- Registration includes a catered lunch
- Directions:** See inside Newsletter.

## Energy Restructuring in Pennsylvania

Bob Bennett, Energy Advisor to the Commissioner of the Pennsylvania Public Utility Commission, will be one of our guest speakers at the May 8th meeting. He will be discussing the planned rate cap removal by 2010 and what the Public Utility Commission is doing to mitigate price increases. Come see what "Deregulation" is costing Pennsylvania's businesses.

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## Power and Heat

Power and Heat. Using both maximizes efficiency and minimizes your facility's energy bills. Microturbine systems conserve energy and cut operational costs by creating two forms of energy: electricity and heat. Using both energy outputs is called cogeneration or CHP: combined heat and power. Onsite CHP is far more fuel efficient and environmentally beneficial than utility power and boiler heating. The grid-parallel electricity produced lowers a facility's demand on utility power and dramatically cuts monthly power bills. The heat can be used for water/space heating and/or process heating or drying. This offsets fuel consumed by less efficient boilers or heaters.

The heat output of microturbines can be used to both heat and air condition your facility via absorption cooling. In summer months, your energy bills can more than triple due to higher peak power rates and increased power usage due to air conditioning. But your microturbine systems can optionally chill water or water/glycol with absorption coolers, which use heat energy, instead of electric energy, to create air conditioning.

MicroTurbines also act as standby emergency generators. They can operate connected to a utility grid or provide stand-alone power to critical loads. Transition time between these two operating modes is less than 10 seconds, allowing customers to secure their critical power needs.

*Text taken from [www.e-finity.com](http://www.e-finity.com) and revised for this newsletter. E-finity will be one of the speakers at the May 8th meeting.*

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## Board of Directors

*If you are interested in serving on the Board of Directors or participating in Chapter events, please contact one of the Directors listed below.*

President:	Edward Berger, CEM RPA Associates Inc. president@aee-centralpa.org	Mark Kauffman, CEM, CEP UGI Energy Services, Inc.
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		Diane Shellenhamer Schaedler Yesco Distribution, Inc.

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## ***Directions to the Masonic Village***

**Masonic Village at Elizabethtown  
One Masonic Drive  
Elizabethtown, PA 17022**

**Construction Detours:** *Due to construction, Bainbridge Road, which runs along the western boundaries of the Masonic Village property, will be closed from the railroad underpass to Poplar Street. A bypass road is expected to be completed by December 2007 at the earliest. These directions have been modified to provide the most convenient and direct routes around the construction.*

**From the North:** Take I-83 South to I-283 South. Take the last exit off this road before entering the Turnpike, onto Route 283 East toward Lancaster. Travel east on Route 283 for approximately 18 miles to the Elizabethtown/Hershey exit. Take Route 743 South. Turn left onto Route 230. Turn right onto High Street. Continue one mile, pass under the railroad bridge, turn left onto Masonic Drive. Continue to the Masonic Village entrance and follow directional signs.

**From Hershey:** Take Route 743 South. Turn left onto Route 230. Turn right onto High Street. Continue one mile, pass under the railroad bridge, turn left onto Masonic Drive. Continue to the Masonic Village entrance and follow directional signs.

**From the PA Turnpike Traveling East:** Take Exit 19/247. Follow Route 283 East to the Elizabethtown/Hershey exit. Take Route 743 South. Turn left onto Route 230. Turn right onto High Street. Continue one mile, pass under the railroad bridge, turn left onto Masonic Drive. Continue to the Masonic Village entrance and follow directional signs.

**From the PA Turnpike Traveling West:** Take Exit 21/286. Follow Route 222 South to Route 30 West. Follow signs onto Route 283 West and continue to the Elizabethtown/Rheems exit. Turn left onto Cloverleaf Road. Turn right onto Route 230. Turn left onto High Street. Continue one mile, pass under the railroad bridge, turn left onto Masonic Drive. Continue to the Masonic Village entrance and follow directional signs.

**From Lancaster:** Take Route 283 West to the Elizabethtown/Rheems exit. Turn left onto Cloverleaf Road. Turn right onto Route 230 West. Turn left onto High Street. Continue one mile, pass under the railroad bridge, turn left onto Masonic Drive. Continue to the Masonic Village entrance and follow directional signs.

**From York:** Take Route 30 East to the Columbia exit. Take Route 441 North to Bainbridge. Turn right onto Route 241. After approximately five miles, turn left onto Masonic Drive. Continue to the Masonic Village entrance and follow directional signs.

## The Central Pennsylvania Chapter of The Association of Energy Engineers

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### Chapter Schedule of Events (2007-2008)



September 13, 2007	Reading, PA	Energy Pricing & Liquid Natural Gas Plant Tour
October 2007	No Meeting	
November 1, 2007	Lancaster, PA	EnergyWorks Tour of Park City Center
December 6, 2007	Harrisburg, PA	Holiday Social Event— Appalachian Brewing Company
January 10, 2008	York, PA	Underfloor Air Distribution System & Control, York International Tour
February 2008	No Meeting	
March 6, 2008	Lancaster, PA	Green Buildings GGGC & Armstrong World Industries Platinum LEED Facility
April 8, 2008	Lancaster, PA	Energy Conservation Forum w/ AFE (Alternative Energy Spotlight)
May 8, 2008	Lancaster, PA	Electric Deregulation & Cogeneration Masonic Village Cogeneration Tour
June 5, 2008	TBA	Golf Outing

