

# February GPAEE Event

## Innovative Energy Project Showcase: *Case Studies*

(February 19, 2009)



- Event: Innovative Energy Project Showcase: Case Studies
- Date : Thursday, 2/19/09
- Time: - 11:30 AM - 12:00 PM Registration / Networking  
- 12:00 PM - 2:00 PM Lunch & Panel Discussion
- Location: Maggiano's King of Prussia  
205 Mall Blvd. (in the parking lot across from the KoP Mall Sears )  
King of Prussia, PA 19406  
(610) 992-3333  
[http://maps.google.com/maps?hl=en&um=1&ie=UTF-8&cid=0,0,10577211495179079479&fb=1&split=1&gl=us&dq=maggiano%27s+king+of+prussia&daddr=205+Mall+Blvd,+King+of+Prussia,+PA+19406&geocode=3598176478851186883,40.086221,-75.396133&sa=X&oi=local\\_result&resnum=1&ct=directions-to](http://maps.google.com/maps?hl=en&um=1&ie=UTF-8&cid=0,0,10577211495179079479&fb=1&split=1&gl=us&dq=maggiano%27s+king+of+prussia&daddr=205+Mall+Blvd,+King+of+Prussia,+PA+19406&geocode=3598176478851186883,40.086221,-75.396133&sa=X&oi=local_result&resnum=1&ct=directions-to)
- Speakers: - Gary Fechter, Princeton Energy Systems  
- Jim Harven, CLT Efficient Technologies Group  
- Joe Turk, Johnson Controls, Inc./PWI Energy
- Cost: - If Register & Pay On-line: \$30.00 for GPAEE Members & \$35.00 for Non-Members  
- If Pay at the Door: \$40.00 for GPAEE Members  
\$40.00 for Non-Members
- Secure Online Registration:
  - 1) Click on the *Secure Online Registration* Icon below
  - 2) Register & Pre-pay



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- Non-Web  
Registration:

It is preferred that all Event Attendees register on-line.

However, if for some reason you cannot register on-line, then please contact Jim Harven directly (see Jim's contact info below).

- Contact:

Jim Harven, CLT  
[jharven@cltetg.com](mailto:jharven@cltetg.com)  
(215) 832-3619

- Topics of  
Discussion:

GPAEE's February Event, *Innovative Energy Project Showcase*, will present three different energy projects from three different area energy service firms.

Project #1: Digester Gas Utilization Study. The first project will be presented by Princeton Energy Systems ("PES"), a locally-based commercial, industrial & institutional building-focused energy engineering firm. PES specializes in the design & implementation of integrated energy solutions that combine renewable power, distributed generation & innovative energy efficiency technologies. PES will highlight the digester gas utilization study they did on behalf of the Philadelphia Water Department ("PWD"). Specifically, PES' Study sought to provide PWD with a clear understanding of the technical, operational & economic feasibilities associated with a potential digester gas utilization at PWD's Northeast Water Pollution Control Plant (the "Project"). With the Project's final design now complete, PES will be presenting the Study's results --- as well as potential Project challenges.

Project #2: State Gov't Energy Performance Contract. CLT Efficient Technologies Group ("CLT") will present the second showcased project. CLT is a PA-based energy service company that specializes in performance contracting that results in turn-key solutions with guaranteed savings. CLT's clients range from state & local governments to commercial, industrial & institutional firms throughout the mid-Atlantic region. CLT will discuss the largest energy performance project yet awarded by PA's Department of General Services. This recently completed \$18M State Capital complex project consisted of five major buildings and a central cooling plant (over 2 million sq. feet of building space between them). Annual savings for the Project have exceeded \$1.5M. Jim will discuss both the unique challenges & results of this project.

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- Topics of Discussion:

Project # 3: Building Redesign & Recommissioning. Presenting the third project of the Event Showcase is Johnson Controls, Inc./PWI Energy [Note: Johnson Controls purchased PWI Energy in 2008]. PWI Energy, based in Philadelphia, offers global corporations (in 30 States & 40 countries) energy & sustainability solutions through its software platform. This software platform is capable of tracking energy costs & usage, greenhouse gases, energy efficiency projects — as well as managing a facility’s carbon footprint. PWI Energy will discuss the total redesign & recommissioning of a large suburban Boston research facility that resulted in six-figure energy savings (in addition to qualifying for rebates). This research facility had originally been designed as a 100% outside-air HVAC system, but aspects of the building usage changed. This, in turn, resulted in the need for redesign & recommissioning.

- Speakers’ Background:

Gary Fechter, PES. Gary manages Princeton Energy System's team of energy professionals, as well as overseeing all company operations. He brings more than 25 years of experience in energy, engineering, and project management, including 15 years experience at Trigen Energy Corporation. At Trigen, Gary directed a wide range of engineering, business, technical and project management resources in order to develop projects and create joint venture opportunities. Before joining Princeton and Trigen, Gary held various positions within the US Army Corps of Engineers — including Associate Professor of Physics at West Point (where Gary also received his BS). Gary received his Masters in Nuclear Engineering from Rensselaer Polytechnic Institute.

Jim Harven, CLT. Jim Harven is a senior project developer with CLT Efficient Technologies Group. Jim has over 25 years of energy performance contracting experience — holding a variety of positions ranging from energy engineer to both project manager & account executive. Jim is a registered engineer in three states, and has BS in Environmental Engineering.

Joe Turk, JCI/PWI Energy. Prior to PWI Energy’s 2008 purchase by Johnson Controls, Joe was President of PWI Energy. Currently, Joe has continued his career at Johnson Controls, Inc./PWI Energy in a management & sales development capacity. Joe has over eighteen years of experience in energy management — including analysis & design of cogeneration & desiccant dehumidification systems, and development of performance/maintenance evaluation databases. Joe received his B.S. from Villanova University, and has a Masters in Energy Management from the University of Pennsylvania.