

March GPAEE Event:

PJM Control Center Tour & Discussion:

Ensuring Grid Reliability and Efficient Wholesale Electricity Markets

(March 19, 2009)



- Event: **PJM Control Center Tour & Discussion:**
Ensuring Grid Reliability and Efficient Wholesale Electricity Markets
- Sponsors: **PJM Interconnection & Philadelphia Gas Works**
- Date: **Thursday, 3/19/09**
- Time:
 - 11:30 AM - 12:30 PM Lunch & Tour
 - 12:30 PM - 1:00 PM PJM Presentation (Steve Boyle)
 - 1:00 PM - 1:30 PM Act 129 Presentation (Robert Powelson)
- Location: **PJM Technology Center**
2600 Monroe Blvd.
Valley Forge Corporate Center
Norristown, PA 19403
(610) 666-8800
- Directions: <http://www.pjm.com/Media/about-pjm/directions-to-all-pjm-locations.pdf> (see IV. Directions to PJM Technology Center)
- Speaker:
 - Steve Boyle, PJM's Mgr. for Regulatory & Legislative Affairs
 - Robert Powelson, PUC Commissioner
- Cost: **\$30.00 for GPAEE Members / \$35.00 for Non-Members ***

* **[Note: 1) Meeting limited to 50 people; 2) Cost includes Lunch; and 3) If Pay @ Door: \$40.00 GPAEE Members/Non-Members]**
- Secure Online Registration:
 - 1) Click on the *Secure Online Registration* icon below
 - 2) Register



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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 Lou Nazirides directly (see Lou's contact info below).

- Contact:

- Lou Nazirides, CLT Efficient Technologies Group
lnazirides@cltetg.com
(610) 240-9800

- Meeting

- Background:

- PJM Interconnection ("PJM") is a regional transmission organization ("RTO") that coordinates the movement of wholesale electricity in all or parts of 13 mostly-Mid Atlantic states and the District of Columbia. Acting as a neutral, independent party, PJM operates a competitive wholesale electricity market and manages the high-voltage electricity grid to ensure reliability for more than 51 million people. PJM is sometimes referred to as the 'air traffic controller' of the Mid Atlantic power grid, as it does not own the equipment (i.e. the power lines & plants) that it directs. Rather, PJM coordinates the operations of regional power generators, utilities & power marketers. By doing so, PJM ensures that major electric outages are less likely to occur and reduces power costs.

- Topics of

- Discussion:

- For GPAEE's March Event, we will be touring the PJM Control Center in order to discuss the following issues:

- *Ensuring reliability & Current issues.* How does PJM ensure grid reliability? What are the current issues affecting PJM's grid reliability?

- *Long term reliability issues.* How does PJM plan to ensure long-term reliability with expected increases in future electricity demand? How will the recently-approved PJM transmission line additions impact future reliability? What are the concerns regarding the timely construction of these expensive transmission lines? What will PJM do if these transmission lines are not completed in time?

- *How markets work & current market issues.* How does PJM's \$30 billion per year wholesale electricity market work? What are the current issues affecting the efficiency & prices associated with PJM's wholesale electricity markets?

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- Topics of Discussion (*con't*):

- *Demand Response programs.* How do PJM's Demand Response programs work? How are they beneficial to end users? How do end users participate in these programs?
- *Renewable Energy issues.* How much new renewable energy is expected to come on-line in the PJM service territory over the next several years? What are PJM's roles relative to ensuring that renewable energy is, indeed, effectively brought on-line? How does/will PJM effectively manage the intermittency of many renewable energy projects (e.g. wind farms producing more electricity at off-peak hours)?
- *Climate Change / GHG Legislation impacts.* If pending Climate Change / Green House Gas legislation do, in fact, pass what would be the potential impacts on PJM wholesale electricity prices? Impacts on PJM's generation dispatching orders? Impacts on grid reliability?
- *Potential Obama admin policies.* Does PJM anticipate any specific policy initiatives from the Obama administration that will greatly impact either electricity reliability or wholesale markets? If so, what are these policy initiatives, and what problems will these potential initiatives pose to PJM?

- Speaker Background:

Steve Boyle is the Manager of Regulatory & Legislative Affairs, State Government Policy for PJM Interconnection.

Robert Powelson has served on the PA Public Utility Commission since June 30, 2008. Previously, Commissioner Powelson has served as President of the Chester County Chamber of Business & Industry ("CCC"), which he joined in 1994. Prior to joining the CCC, Commissioner Powelson was the Delaware County Chamber's Director of Government Relations, as well as a Staff Assistant for former U.S. Rep. Curt Weldon. Commissioner Powelson holds a BA from St. Joseph's University, and a Master of Governmental Administration from the University of Pennsylvania.

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- Sponsors
Background:

Philadelphia Gas Works (“PGW”) is the nation's largest municipally owned natural gas utility. Established in 1836, PGW now provides natural gas service to more than 500,000 residential, commercial and industrial customers in the City of Philadelphia. PGW is dedicated to providing safe, reliable service to its customers within the City of Philadelphia.

PJM Interconnection, LLC (“PJM”), as noted above, is a regional transmission organization (“RTO”) that coordinates the movement of wholesale electricity in all or parts of 13 mostly-Mid Atlantic states and the District of Columbia. PJM operates the world’s largest competitive wholesale electricity market, as well as ensuring the reliability of the world’s largest centrally dispatched control area.

