

ASME Hudson-Mohawk Section **PSEG Power: Bethlehem Energy Center Tour**

Wednesday, July 18th 2007

4:00 PM – 5:00 PM

Meet at 3:30 PM at the PSEG Guardhouse.



Bethlehem Energy Center
380 River Road
Glenmont, NY

RSVP by June 15th, 2007

Yogesh Potdar (potdar@research.ge.com; 518-387-7265)

OR Fred Willett (518-347-2130, ext. 5306)

PSEG Requests Citizenship Information.

Many members were unable to make the December tour and asked if another one could be arranged. In response to this request from our members, we have arranged a second tour of the Bethlehem Energy Center.

The Bethlehem Energy Center is a 750 MW state-of-the-art, combined-cycle plant fueled by natural gas. The BEC is located on west shore of the Hudson River in the town of Bethlehem, NY, three miles south of Albany.

The BEC was built to replace the Albany Steam Generating Station, a 376 MW oil/gas plant in operation since 1952, which

was purchased by PSEG Power in 2000. The efficient process of combined-cycle technology enables the BEC to use 36 percent less fuel than the Albany Station to generate each kilowatt-hour of electricity. In addition, the BEC is equipped with an advanced closed-cycle cooling system.

The facility is among the cleanest power plants in New York, reducing emission rates of nitrogen oxide and sulfur dioxide by more than 98 percent. The plant draws 99 percent less water from the Hudson River than the old Albany Station. In addition, the project produced significant economic benefits in terms of construction spending, jobs, and increased business activity over the long term.

The project generated widespread community support and was endorsed by a number of environmental organizations including the American Lung Association of New York, the Natural Resources Defense Council, the Hudson River Keeper and Scenic Hudson Inc.

PSEG Power began commercial operation in June 2005 and retired the existing Albany station 2005.

For the tour:

Personal Protection Equipment (PPE) can be provided, required PPE is:

- hard hat
- safety glasses with side shields
- regular street shoes are OK, no open toe shoes or sandals,
- long sleeve shirts.

Please bring your own if you have it!

Directions to Bethlehem Energy Center

380 River Road
Glenmont, NY

From the North

From NY Thruway, get off at exit 23.

After paying toll, immediately get off to right

Take RT 9W south, turn right to get on 9W

Go @ 1.3 miles to traffic light, with the Quality Inn on your right, and the big M truck stop on your left

Turn LEFT at this traffic light, go down to the bottom of the big hill,

Turn RIGHT at the T intersection, go @ 1 mile, look left, that is the power station.

Turn LEFT to enter plant

From the South

From NY Thruway, get off at exit 22,

After paying toll take a LEFT on River Road, heading north, Go @ 5 miles, the power station will appear on the right.

Turn RIGHT to enter the plant

**THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
HUDSON MOHAWK SECTION
PO BOX 206
Schenectady, NY 12301**

From Route 787, traveling south,
Get off at exit 2, <South Pearl Street, RT 23, Port of Albany>
Go to traffic light and turn LEFT on South Pearl Street,
Stay on this road and it becomes River Road when leaving
the city of Albany,
Travel @ 3 miles, the station will appear on the left,
Turn LEFT into the station

Award Recipients

Each year the section awards prizes and scholarships to students at Union College, Rensselaer Polytechnic Institute, and Hudson Valley Community College. This year's recipients are:

Sayre Prize (Union): Bridget Austin
Davies Award (RPI): Scott Youmans and Eric Pace
Scheper Scholarship (HVCC): William Huber

Distribution of Section Newsletter

The Hudson Mohawk newsletter is posted at:
www.asme.org/sections/hudson-mohawk.

Once each newsletter is posted on the Section's web page, an e-mail notification and link to the above website is sent to members who have e-mail addresses in the ASME member database. If you are an active member of ASME and did not receive an e-mail notification, please go to the ASME web site and update your membership information.

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