NEW YORK'S COMPETITIVE ELECTRIC SYSTEM



A wide variety of natura resources and other technologies (such as water, wind, coal, oil, natural gas and nuclear technologies) serve as the raw materials for electricity generation in



produce electricity as economically and efficiently as possible. That power is sold into the wholesale directly with a utility or energy service company for the sale of its power. delivery into the electric grid will be scheduled through the NYISO.



The New York Independent System Operator administers wholesale generators compete to sell their output to utilities and energy service companies

all aspects of the power IPPs and are now primarily focused on transmission, distribution and customer

DEMAND RESPONSE

Customers can manage their energy costs by reducing consumption during peak demand periods.



electricity users can choose the electricity pricing and services that best meet their needs - whether from an ESCO or traditional utility.





energy pricing plans designed to meet different customer needs.



portion or all of their electric needs and reduce demand on the electric

NEW YORK'S ENERGY EVOLUTION

IPPNY Celebrates

Two Decades of Progress



Spring Legislative Reception and Conference May 9 & 10 **Desmond Hotel**

Albany, New York

Featuring:

Senator James Wright Assemblyman Paul Tonko NYPA President & CEO Tim Carey NYISO President & CEO Mark Lynch State and Federal Legislative Updates **Clean Coal Technologies Panel**

FERC Commissioner Nora Mead Brownell

For Conference Information or to Register call (518) 436-3749

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This special informational supplement is being brought to you by IPPNY and the following leading-edge energy companies and associated businesses:

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Powering Progress in New York for Two Decades



Independent Power Producers of New York, Inc.

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Independent Power Producers

The People Behind Your Power

Most people don't think twice about where their electricity comes from. We do because it's our job to provide New York homes and businesses with the electricity they need 24 hours-day, 365-days a year. Featured here are some of the hard-working New Yorker's from Buffalo to Brooklyn who help make this possible every day.

Peter Quirk - Lockport Energy Center

Peter Quirk is the Plant Manager of the Lockport Energy Center (LEC) — owned by Fortistar Capital — north of Buffalo in western New York.

Peter is proud of the important role played by Lockport and its exceptional staff in supplying energy to New York's power grid. After leaving the Navy where he worked on nuclear power plants, he began working as a control room operator at LEC. From there he moved on to Operations Manager and most recently Plant Manager 18 months ago.

During a typical week, Peter works from 8 a.m. until 6 p.m., but there are many atypical weeks. The plant regularly goes off-line for maintenance and inspection during which times Peter and his staff are working around the clock for 5-7 days at a stint.

There are also unusual events such as last summer when Peter was headed home from work and a severe lightning storm hit the region. He turned his truck around and drove through flooded roads back to find LEC completely black, having tripped off line. Peter and his team worked throughout the night to bring the plant back on-line and help re-energize the grid. Likewise, Peter recalls how LEC was the first plant in the area—aside from the hydro facilities to come back on-line following the 2003 blackout.

Peter recently returned to the University at Buffalo to further his training in environmental sciences. He says that most electric plant operators like LEC have a special appreciation for the environment, "We don't just go to the letter of the law, we go to the spirit of the law," he says

As a plant manager Peter takes great care in the safe and efficient operation of the plant. "If we make a mistake," he says, "you have newspapers, TV etcetera highlighting what you did wrong. As a result, when you are responsible for a power plant, the dream achievement is not to be noticed."



New York State 2005 Generating Capacity by Fuel Type Nuclear 14% Oil & Gas 15% Gas 15%

IPPNY Member contributions to New York State:

Annual Taxes Paid	<u>\$291,431,875</u>
Total Direct Employment_	10,198
Union Employment	4,986

IPPNY 1999-2005 Investment Record:

 Total Plant Investment
 \$5,500,000,000

 Community Investment
 \$30,735,000

IMPROVEMENT IN NEW YORK GENERATOR PERFORMANCE

The availability of generators during the summer months increased to 90.3% of the time versus 86.5% prior to energy industry restructuring and the NYISO's operation. In addition, since the inception of the NYISO's markets, the duration of nuclear unit maintenance outages has been greatly reduced, while their reliability has improved. The average capacity factor for nuclear units has increased from approximately 60 percent prior to 2000 to approximately 90 percent currently.

- NYS PSC Staff Report on the State of Competitive Energy Markets: Progress To Date and Future Opportunities - Page 16

We Work For You



Frank Valls de los Reyes – Brookfield Power

Frank Valls de los Reyes is one of three Brookfield Power traveling operators, responsible for the company's School Street, Schaghticoke and Johnsonville hydro generating plants on the Mohawk and Hoosic Rivers, respectively. Having worked for Brookfield Power since 1999, his responsibilities include daily inspections of generating equipment, control and electrical systems, as well as security and public safety at these plants.

In the summer of 2004, Valls de los Reyes was one of several Brookfield Power employees instrumental in the rescue of two fishermen unable to escape the Cohoes Falls during a massive rain storm. "When I saw they were stranded on a rock at the top of the falls, we all sprung into action. I contacted the New York Power Authority and asked them to stop the water that comes downstream from NYPA's Crescent Plant, also on the Mohawk." Valls de los Reyes also helped rescue workers find an expedient route down to the falls, and several hours later, the two individuals were pulled to safety.

"I love what I do. I like hydropower because it's environmentally friendly, and there is a lot of history behind this renewable energy source," said this Clifton Park resident. He also enjoys contributing to the security of the United States as a Tech Sergeant in the National Guard, where he serves as...what else...a power production specialist!

Deirdre Murphy – Entergy Nuclear Northeast

There are many ways to define Deirdre Murphy. She is a wife, mother, friend, daughter, but a big part of her life is seen only by her co-workers at Entergy Nuclear Northeast.

As the Manager of Employee Development for Indian Point Energy Center – twin nuclear power plants delivering over 2,000 megawatts of much-needed electricity to the New York City region – Deirdre Murphy understands the vital importance of training.

Deirdre's dedication to her craft ensures the employees and contract workers at Entergy's Indian Point Energy Center receive the safety, operational and management training they need in order to keep the site running around-the-clock, all-year-long.

By applying the latest principles and best industry practices to both classroom and on-the-job training, Deirdre and her development staff design curricula that reflect the needs of a changing workforce. Whether it is re-certifying senior control room operators in state-of-the art simulators, or tasking frontline managers with developing new management models in a classroom setting, nuclear plant employees rarely spend a moment without some form of training, pre-job instruction or safety reminders injected into their work-at-hand. That is why the nuclear power industry is second-to-none in industrial safety.

Experienced Entergy Nuclear executives – like Deirdre – are frequently asked to speak at industry conferences, because of the company's reputation for taking poor-performing nuclear plants and turning them into some of the best run plants in the nation.

Deirdre knows the safety of her co-workers, and the community at large, depend upon her dedication and commitment to her job. She takes her work seriously, and understands Indian Point's mantra "Safe.Secure.Vital." is more than just a slogan – it is a way of life.

That is why when Deirdre Murphy turns on the lights in her children's room, she confidently knows that power plant along the Hudson River is right where it belongs.



Lou Oster – Brooklyn Navy Yard

Lou Oster is Senior Operating Engineer for the Brooklyn Navy Yard Cogeneration (BNYC) facility where he has worked since the plant's startup more than a decade ago. He began his career just out of high school as an apprentice with the operating engineers union some 18 years ago.

At his desk in the BNYC plant's control room, Lou is surrounded by dozens of multicolored lights and displays that help him monitor the plant's many critical systems from fuel levels, to turbine and steam output, to who is entering and leaving the facility.

The 12-hour shifts worked by plant operators can be challenging to one's personal life says Lou who just recently became engaged. "Because we work as a team, we often fill in for each other and it is not unusual to work long weeks, holidays and unusual hours." There are also times that require everyone to be on-hand. "When a fuel shipment comes in by barge up the East River in the middle of the winter, we need to be there to meet it and off-load the barge into the plant," adds Lou.

Lou takes great pride in recalling how following the northeast blackout of 2003, BNYC was the first plant New York City exporting steam to the City. "BNYC was critical in helping bring back this system which was down for the first time ever in its history," he recalls.

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The Independent Power Producers of New York, Inc (IPPNY) is an Albany-based trade association representing the competitive power supply industry in New York State. IPPNY Members generate almost 75 percent of New York's electricity using a wide variety of generating technologies and fuels including hydro, nuclear, wind, coal, natural gas, and biomass.