NEW YORK'S COMPETITIVE ELECTRIC SYSTEM



FUE

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 New York.



A large number of Independent Power Producers compete to produce electricity as economically and efficiently as possible. That



ODERATO The New York Independent System Operator administers wholesale markets where electricity generators compete to sell their output to utilities and energy service companies for resale.

Formerly, investo owned utilities handled all aspects of the power business. However, since competition began, mos utilities in New York have sold their power plants to IPPs and are now primarily focused on transmission, distribution and customer

functions

ENERGY

SERVICE

(ESCO)

consumers in

New York can

choose to recei

electric service

COMPANY

DEMAND RESPONSE

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



ND USERS

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



ISTRIBUTED GENERATION

Eustomers may install small-scale generating facilities that will meet a portion or all of their electric needs and reduce demand on the electric

from an energy service company. ESCOs may provide a wide variety of services in addition to energy pricing plans designed to meet

different customer needs.

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**

Keynote Address **FERC Commissioner Nora Mead Brownell**

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

www.ippny.org

ower Producers of New York, Inc. 19 Dove Street Albany, NY

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

AES NYLLC Brookfield Power Brooklyn Navy Yard Cogen Partners Dominion Resources, Inc. Entergy Fortistar Greenberg Traurig, LLP Hiscock & Barclay Keyspan Mirant NRG PSEG Power New York, Inc. Read & Laniado SCS Energy LLC



Powering Progress in New York for Two Decades



Independent Power Producers of New York, Inc.

Gavin J. Donohue, President & CEO www.ippny.org



Independent Power Producers We Work For You 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."

IMPROVEMENT IN NEW YORK GENERATOR PERFORMANCE



Power Facts



IPPNY Member contributions to New York State:

Annual Taxes Paid	\$291,431,875
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



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.



Independent Power Producers of NY, Inc. 19 Dove Street, Suite 302 Albany, NY 12210 phone: 518.436.3749 fax: 518.436.0369 www.ippny.org

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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

bas increased from approximately 60 percent prior to 2000 to approximately 90 percent currently.



Frank Valls de los Reyes – Brookfield Power

Frank Valls de los Reves 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-thejob 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 stateof-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-athand. 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.



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.



he 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.