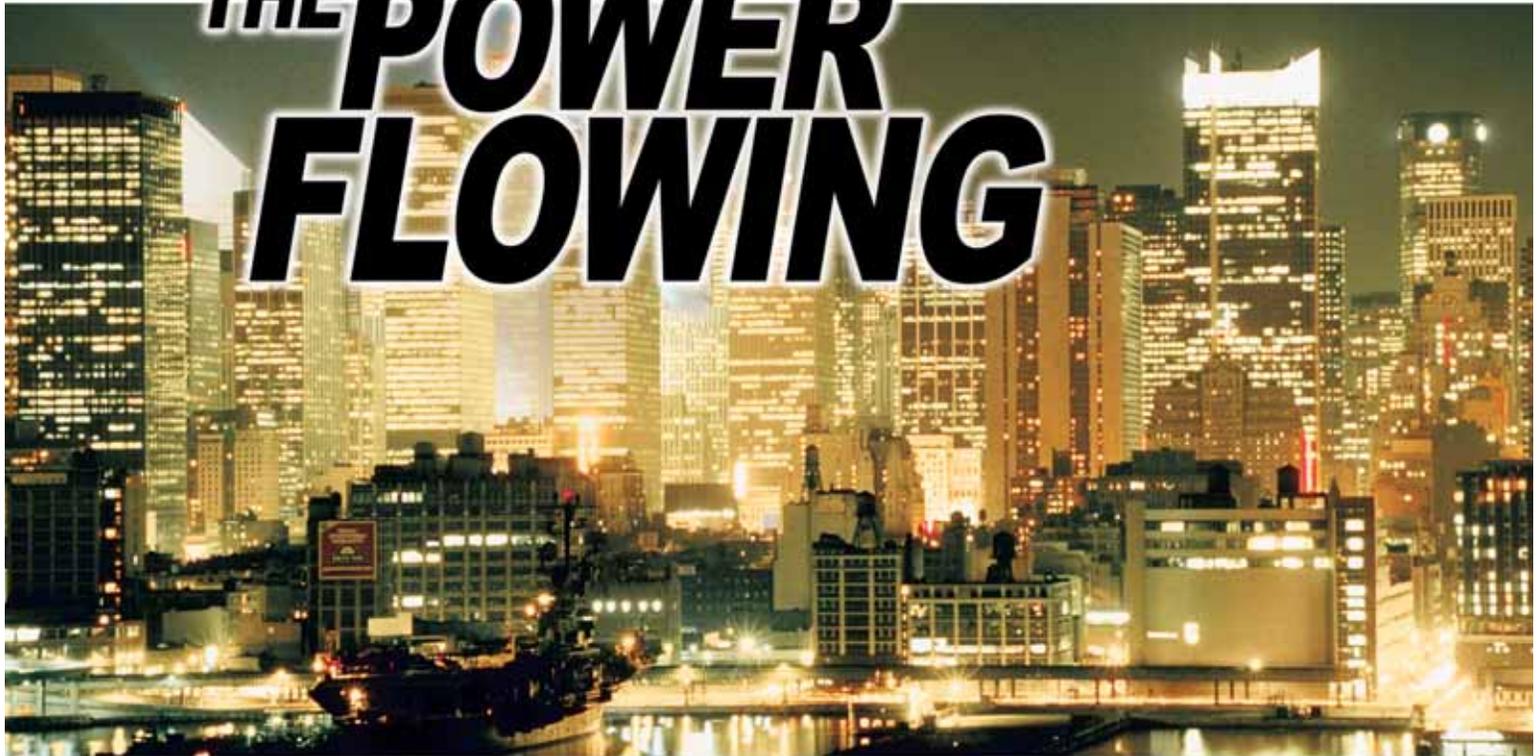


TOGETHER WE CAN

# KEEP THE POWER FLOWING



## *Energy reliability means a better bottom line.*

Take advantage of NYSERDA's Peak-Load Reduction Program.

**Manage your power.  
Apply now.**



This summer, New York State businesses can help keep the electricity flowing through a range of time-sensitive, energy efficiency initiatives. These include facility upgrades, such as facility lighting, controls, motors, HVAC, and other electric load-management measures.

The New York State Energy Research and Development Authority (NYSERDA) is providing support with attractive financial incentives through the Peak-Load Reduction Program. Here are just a few examples of specific projects that have delivered substantial dollar savings:

- **Manhattan office building** – lighting retrofit.  
100 kW reduced, save approximately \$52,000/year.  
Potential NYSEDA incentive: \$47,500
- **Upstate plant** – 400,000 square feet.  
Upgrade controls: 5,000 kW curtailable load\*.  
Potential NYSEDA incentive: \$225,000
- **New York City facility** – emergency generator.  
Switchgear and environmental permitting: 500 kW\*.  
Potential NYSEDA incentive: \$62,500

\* These facilities earned additional revenue through New York Independent System Operator (NYISO) Demand Response Programs – [www.nyiso.com](http://www.nyiso.com)

Businesses can enjoy sizeable financial incentives while improving the energy efficiency of their operations. By working together, we can help ensure a reliable source of power throughout New York State this summer.

Visit our website: [www.nyserda.org/835pon.html](http://www.nyserda.org/835pon.html)  
Call toll-free: 1-866-NYSERDA.

# PEAK-LOAD REDUCTION PROGRAM

PON 835 • Summer 2004

Due to the increase in electrical demand in recent years, the New York State electric grid has become increasingly strained during high-demand periods, especially in New York City. To help alleviate that strain on the grid, NYSERDA developed the Peak-Load Reduction Program.

NYSERDA has up to \$10.5 million allocated for the **New York Energy \$mart<sup>SM</sup>** Peak-Load Reduction Program (PLRP) for the summer of 2004. This program offers financial and technical support to help you reduce demand on the grid and save on energy bills. The PLRP has the following four program components:

## PERMANENT DEMAND REDUCTION EFFORTS

Permanent Demand Reduction Efforts (PDRE) provide incentives to install permanent energy-efficient equipment that will reduce facility peak demand.

- PDRE provides incentives for demand-reduction projects that reduce facility demand during the summer peak-demand period.
- Incentives are provided for heating, ventilation and air-conditioning (HVAC) equipment, lighting equipment, motors, photovoltaics (PV), and other select measures.
- Lighting measures must be hard-wired installations. Screw-in lamps and/or ballasts and fossil-fuel-fired generators are not eligible.

## LOAD CURTAILMENT/SHIFTING

Load Curtailment/Shifting (LC/S) is a short-notice program that provides incentives for equipment installation, allowing facilities to curtail demand in response to a constrained electric grid or predefined price signal.

- LC/S provides incentives for technologies that enable facilities to curtail demand upon notification from the NYISO when the grid becomes strained, or an LSE when localized distribution constraints occur.
- To qualify, LC/S participants must register in a New York Independent System Operator (NYISO) Demand Response Program, acceptable Load Serving Entity (LSE) load-management program, Time-of-Use, or Real-Time-Pricing program.
- Demand reductions from microturbines, generation, or cogeneration equipment are ineligible.

## DISPATCHABLE EMERGENCY GENERATOR INITIATIVES

Dispatchable Emergency Generator Initiatives (DEGI) enable owners of emergency/backup generators in the Con Edison service territory to transfer electric load to their generators in response to a NYISO notification.

- DEGI provides incentives to enable building managers to offload all or a portion of the building's load to emergency generators when notified.
- DEGI is limited to facilities in the Con Edison service territory that are registered in NYISO Demand Response Programs or transmission owner load-management program.

## INTERVAL METERS

Interval Meter (IM) incentives enable facilities to participate in load reduction programs while also providing the facility with critical demand and energy consumption feedback.

- IM provides incentives for facilities to install interval meters that enable participation in demand response programs.
- IM is available to facilities that participate in a NYISO Demand Response Program, an acceptable LSE load-management program, Time-of-Use, or Real-Time-Pricing program.
- Incentives for IMs are available for PSC-approved meters and/or meters that provide data acceptable to the NYISO.

# PEAK-LOAD REDUCTION PROGRAM (CONT.)

## PROJECT IMPLEMENTATION

If you are a facility owner, Energy Service Company (ESCO), or Load Serving Entity (LSE), please follow these project implementation steps:

**Submit an application** for participation in one of the four Peak-Load Reduction Program components.

- Assuming the application meets all program criteria, NYSERDA will issue a purchase order that encumbers the incentive funds.
- A NYSERDA consultant will be assigned to guide the project and provide quality control.

**Develop and submit a Technical Assessment** to the NYSERDA consultant, following the format described in Appendix D of the PON.

- The NYSERDA consultant will provide recommendations regarding the Technical Assessment.
- If the project is approved by NYSERDA, a notice to proceed will be sent.

**Implement the project** as described in the Technical Assessment. Upon project completion, notify the NYSERDA consultant to schedule a site visit.

- The NYSERDA consultant will provide a recommended final kW summer peak-demand reduction for approval by NYSERDA.
- Invoice NYSERDA as described in the PON. NYSERDA will issue the appropriate reimbursement.
- Submit the necessary reports to NYSERDA.

## NEW YORK ENERGY \$SMART<sup>SM</sup> PROGRAMS

New York Energy \$smart<sup>SM</sup> programs are designed to lower electricity costs by encouraging energy efficiency as the State's electric utilities move to competition.

All New York Energy \$smart<sup>SM</sup> programs are funded by a System Benefits Charge (SBC) paid by electric distribution customers of participating utilities. NYSERDA, a public benefit corporation established by law in 1975, administers SBC funds and programs under an agreement with the Public Service Commission.

These programs are available to all SBC-eligible customers (residential, commercial, institutional, and industrial) of Central Hudson, Con Edison, NYSEG, Niagara Mohawk, Orange and Rockland, and Rochester Gas and Electric.

## ELIGIBILITY REQUIREMENTS

These opportunities are open to any eligible contractor and facility that pays into the System Benefits Charge (SBC).

- Incentives for these programs will be based on 70% of eligible project costs or the incentive caps set forth in the table below, whichever is less.
- Eligible project costs are incurred costs associated with the development and implementation of the measures necessary to achieve project objectives.

New York businesses can participate in four ways to help reduce peak-energy demand.

Program Elements	Permanent Demand Reduction Efforts (PDRE)		Load Curtailment/Shifting (LC/S)		Dispatchable Emergency Generator Initiatives (DEGI)		Interval Meters (IM)	
	Downstate	Upstate	Downstate	Upstate	Downstate	Upstate	Statewide (PSC-approved)	Statewide (NYISO-compliant)
Incentive Caps <sup>†</sup>	\$475/kW	\$225/kW	\$175/kW	\$45/kW	\$125/kW	—	\$2,500 per meter	\$1,200 per meter

<sup>†</sup> Up to 70% of eligible project costs; \$735,000 per facility maximum.

## CONTACTS AND ADDITIONAL INFORMATION

**To obtain a copy of the Peak-Load Reduction Program materials**, contact Karen Whalen to request PON 835: e-mail [kew@nyserdera.org](mailto:kew@nyserdera.org) or fax 518-862-1091. You may download the document from NYSERDA's website: [www.nyserdera.org/835pon.html](http://www.nyserdera.org/835pon.html)

**For more information about NYSERDA's Peak-Load Reduction Program**, please contact Chris Smith toll-free at 1-866-NYSERDA, ext. 3360, e-mail [cjs@nyserdera.org](mailto:cjs@nyserdera.org) or Peter Savio at 1-866-NYSERDA, ext. 3334, e-mail [pps@nyserdera.org](mailto:pps@nyserdera.org)

**If and when you are asked to curtail load,** please consider these measures as part of your strategy:

- Turn off 50% of the lights
- Reduce chiller capacity and air handler flow
- Turn off lights by windows
- Take 50% of elevators off duty
- Reduce exhaust and outdoor-air ventilation
- Raise thermostat setting 6°F
- Turn off water coolers or heaters
- Participate in NYISO Demand Response Programs

**New York Energy \$mart<sup>SM</sup>** programs that can help you save energy and improve your bottom line include:

- Peak-Load Reduction Program
- Technical Assistance
- Flexible Technical Assistance (FlexTech)
- **New York Energy \$mart<sup>SM</sup>** Loan Fund
- Commercial/ Industrial Performance Program
- New Construction
- Green Buildings
- Distributed Generation, Combined Heat and Power

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