

NYSERDA's Peak Load Reduction Program

Chris Smith

NYISO PRLWG

October 20, 2006

Program Highlights

- Reduces load by funding energy efficiency and demand response projects
- Demand response funding is for technologies that enable customers to participate in ICAP/SCR
- Incentives available for controllable appliances
- Service Providers or end users may apply

Program Timeframe

- Expected release date of October 30, 2006
- Program will be open through March 31, 2008, or until funds exhausted (\$37M)
- Projects have two years to be completed

Energy Efficiency Incentives

- \$600/kW reduced in Con Ed, \$300/kW ROS
- Common Measures – Lighting, Chillers, etc.
- Energy storage eligible (ice storage, flywheel, battery, etc.)
- Fuel switching eligible (gas driven compressors, gas or steam cooling, etc.)
- Measures must have peak savings (no nighttime setbacks, VFDs, etc.)

DR Incentives – Non Generation

- Interval Meters - \$1,500/meter statewide
- Load Control Technologies - \$200/kW reduced in Con Ed, \$50/kW ROS
- Common Measures – EMS hardware upgrades & programming, communication infrastructure, etc.
- SCR participation required

Generation Based DR

- \$150/kW reduced – in Con Ed only
- Incentives available for installation of new generators or upgrades to existing generators
- No base loaded generators
- Common Measures – New generator install, switchgear to connect additional loads, emissions reduction, etc.
- Must work within proposed DEC DG rule

Generation Based DR Emissions Limits

- Generators clean enough to qualify with DEC for continuous use don't count towards the DEC's MW cap for DR generators

Generator Emission Limits

Microturbines	.54 g/bhp-h
Rich Burn Engines	2.0 g/bhp-h
Lean Burn Engines	3.0 g/bhp-h
Diesel Engines	7.5 g/bhp-h
Gas Turbines	50 ppmv @ 15% O ₂
Oil Turbines	100 ppmv @ 15% O ₂

Controllable Appliances

- Incentives available for both manufacturing assistance and purchase and installation
- Controls must be embedded within the appliance and tamper proof
- Appliances must be high efficiency

Questions/Comments?

- We're always open to new ideas – Call to discuss
- 1-866-NYSERDA or 518-862-1090
 - Chris Smith ext 3360
 - Andrew Tighe ext 3515