

Con Edison Steam Seminar

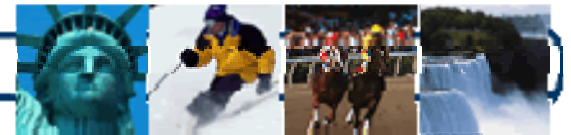
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NYSERDA

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NEW YORK STATE



NYSERDA Mission

Use innovation to solve New York's toughest energy and environmental problems in ways that stimulate the State's economy

- **Design & Implement Programs**
 - Current Programs:
 - SBC
 - RPS
 - DOE SEP
 - Future Programs:
 - EEPS
 - RGGI
 - CAIR
- **Support Regulators**
 - State Purchasing/Appliance Standards
 - State Energy Code, DOS/USDOE grants
 - Green Building Tax Credit
- **Policy Implementation & Assistance**
 - Governor's 15 x 15 initiative
 - Mayors 30 x 30 initiative
 - Executive Orders



NYSERDA Programs-Steam

- Existing Facilities Program (7/1/08)
 - ECIPP/PLRP combined
- FlexTech/Technical Assistance
- Loan Fund Program
- New Construction Program

NYSERDA Programs

- FlexTech/Technical Assistance
 - 50% NYSERDA cost share studies, \$1M
 - Fuel neutral, efficiency opportunities, steam traps, etc.
 - NYSERDA selected consultants/customer selected consultants
- Loan Fund Program
 - 6.5% interest rate buy down
 - \$1M loan, 10 yr payback
 - Participating lenders
 - May be combined w/other programs
- New Construction Program
 - \$1,000/kW avoided electric load
 - Stand alone steam system or hybrid systems

Programs for Existing Buildings

Current Expiration 6/30/08

- Peak Load Reduction Program (PLRP)
 - Incentives kW reductions
 - Permanent Demand Reduction
 - Load Curtailment
 - Interval meters
 - DG for DR
- Enhanced Commercial Industrial Performance Program (ECIPP)
 - Incentives annual kWh savings
 - CHP
 - Custom measures
 - Prescriptive incentives
 - M&V requirements

New Program 7/1/08

Existing Facilities Program

Combine PLRP & ECIPP into a Single Program

- Single, open enrollment program to cover EE, DR, and CHP for existing buildings
- Targeted release July 1, 2008
- User friendly participation/streamlining process
- Details not completely finalized

Existing Facilities Program

Program will cover broad range of energy projects

- Pre-Qualified Incentives (electric & gas)
- Performance Based Incentives (electric, steam & gas)
- Demand Response-NYISO/Rider U
- Combined Heat and Power (CHP)
- Incentive structures
 - \$/kW NYISO/Rider U Demand Response
 - \$/kWh other measures

Existing Facilities Program

- Steam options
 - Steam retention
 - Replace electric cooling load with steam equipment
 - Use steam cooling as DR measure with NYISO participation or Con Edison Rider U
 - Hybrid system w/ability to participate in NYISO DR programs, Con Edison Rider U

Existing Facilities Program

Performance Based Electric Incentives

- Incentive one time payment based on the annual energy savings (proposed \$0.16/kWh in Con Edison)
- All projects will require an engineering analysis to determine savings
- Large projects will also require M&V/
commissioning
 - Lighting Projects above 1,000,000 kWh
 - All others above 500,000 kWh

Steam Projects - Existing Facilities Program

- Available for systems served by Con Edison Steam only
- kWh savings will be based on a electric chiller baseline of 0.55 kW/ton and chiller logs of operation
- Facilities must be granted a SC-5 negotiated steam rate from Con Edison Steam
- NYSERDA incentive is capped at the incremental cost above an electric chiller (including electric service upgrades)
- COP must be at least 1.02

Staff Changes

Energy Efficiency Services (C&I) Deployment Group

- Program Director – Tom Barone
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- Program Manager – Todd Baldyga
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