

Saving Energy for Commercial Buildings

March 18, 2011

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Mid-Hudson Energy Smart Communities

NYSERDA

New York  State

New York State Energy Research Development Authority

- Public benefit corporation established in 1975
- Statewide administrator of System Benefits Charge (SBC)
- Promote Energy Awareness, Efficiency and Alternative Resources

How Can NYSERDA Help?

- **Cost-Sharing for Energy Studies / Technical Assistance:**
 - Energy Audit, FlexTech
- **Financial Incentives to Support Energy Project Implementation:**
 - Existing Facilities, New Construction, PV/Small Wind
- **Outreach / Application Support Services:**
 - Focus on Hospitality, Green Grocer Initiative, Commercial Lighting Program

Energy Audit Program

Lower Energy Bills and Improve Energy Performance

- *An Energy Audit Can Help You:*
 - Make informed electrical energy decisions
 - Identify economically viable improvements that yield substantial annual energy savings
 - Implement energy efficiency strategies

Annual Electric Bills	Energy Audit Fee*
Less than \$25,000	\$100
\$25,000 - \$75,000	\$400

**Fee is refunded when recommended measures are implemented.*

Sample Energy Savings

Description	Cost	Savings	Payback (years)
Upgrade the lighting	\$2,861	\$683	4.2
New Programmable Thermostat	\$230	\$722	0.3
Install High Efficiency Motors	\$8,738	\$1,378	6.3
Install LED Exit Signs	\$400	\$103	3.9
Totals	\$12,229	\$2,866	4.2

How to Participate in:

The Energy Audit Program

- **Complete and Submit Application**

- Online Registration
- Mail/Fax in Application

Region 2 Contact:

L + S Energy

Contact: Michelle Woodell

Phone: 518-383-9405 ext.223

Fax: 518-383-9406

Name of Facility: _____
Address: _____
City: _____ Zip: _____
County: _____
Contact Person: _____
Title: _____
Phone: _____ Fax: _____
Size of Facility (in square feet): _____
Number of Employees: _____
Total Annual Energy Costs: _____
Annual Energy Costs By Source:
Electric: \$ _____; Natural Gas: \$ _____
Fuel Oil: \$ _____; Other: \$ _____
Electric Account Number: _____
Federal ID Number: _____

I certify that I am acting, or I am authorized to act on behalf of, the facility and that the information provided as part of this application is true to the best of my knowledge.

AUTHORIZED SIGNATURE _____ DATE _____



FlexTech Program

Cost-shared energy studies for larger facilities

- Energy Audit for buildings w/ annual electricity bills >\$75,000 or any paying demand charges
- Energy Feasibility studies
- Peak-Load Reduction & Load Management
- Energy Procurement Strategies
- Energy Efficiency Retro-Commissioning
- Long-Term Energy Management

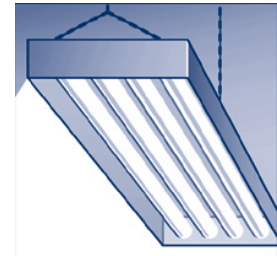


Existing Facilities Program

Pre-Qualified Incentives

- Incentives for **energy efficiency improvements** or **equipment replacement** in existing buildings
- Per-unit payment for Pre-Qualified Incentives
- Maximum award \$60,000
 - (\$30,000 Electric/\$30,000 Natural Gas)

- Lighting
- HVAC
- Chillers
- Motors
- Interval meters
- Variable Frequency Drives
- Commercial Refrigeration
- Commercial Kitchen Equipment & Washers
- Natural Gas Efficiency



Existing Facilities Program

Performance Based Incentives

Base Incentive*	Amount
Electric Efficiency	\$0.12 kWh
Energy Storage	\$300/kW
Natural Gas	\$15/MMBtu
Combined Heat and Power	\$0.10/kWh + \$600/kW
Demand Response	\$100/kW
Industrial and Process Efficiency	\$0.12 kWh 15/MMBtu
Monitoring-Based Commissioning	\$0.05/kWh

**Minimum incentive of \$10,000*

How to Participate in:

The Existing Facilities Program

- *Check appropriate Pre-Qualified Measure Worksheets to make sure that all proposed equipment meets the eligibility criteria!!*
- Purchase and install equipment
- Complete and submit the required documentation:
 - Existing Facilities Program Application
 - Appropriate Pre-Qualified Measure Worksheets
 - Current Utility Bill
 - Equipment specification sheets supporting eligibility
 - Invoices/Receipts for purchasing equipment

New Construction Program

Transform Building Design and Construction

- Incorporate energy efficiency measures into the design, construction, and operation of new and substantially renovated buildings
 - Technical Assistance, Green Building Services, & Commissioning available
 - Financial Assistance to offset costs of energy-efficient equipment and systems



Multifamily Buildings

- *New Construction*
- *Existing Buildings*
- Market-rate and low- to moderate-income
- Choose from approved network of Multifamily Performance Partners
- Varying incentives

Renewable Energy Programs

Visit www.PowerNaturally.org

- **Solar PV Incentives**
 - \$1.75/watt
 - Max incentive = 50kW or \$87,500
 - Clean Power Estimator Tool
- **Wind Turbine Incentives**
 - Incentive starts at \$3.50/kWh
 - Max Incentive = 50% of total cost
 - New York State windExplorer Tool
- **Solar Thermal Incentives: *Max \$25,000***



How to Participate in:

Solar or Wind Incentive Programs

- Visit GetEnergySmart.org to find an eligible installer:
 - Contact at least 3 eligible installers for price quotes on comparable systems
 - Request and check their customer references
 - Make certain they are insured
- *Wind: Eligible turbines listed on website*

Questions?

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Please visit:

www.nyserda.org

www.powernaturally.org

www.getenergysmart.org