

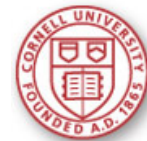
NYSERDA Commercial and Industrial Incentive Programs

Presented by Dee Gamble

Lead Coordinator

Southern Tier Energy \$mart Communities

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Overview

This presentation provides an overview of several of NYSERDA's commercial/industrial programs and Solar PV and Thermal Incentives.

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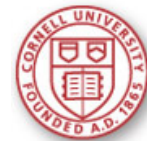


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Who is NYSERDA

- NYSERDA is the New York State Energy and Research and Development Authority.
 - NYSERDA is a public benefit corporation that helps New York meet its energy goals. Those goals include reducing energy consumption, promoting energy efficiency, encouraging the use of renewable energy sources, and protecting the environment

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NYSERDA's Goals

NYSERDA's Vision Statement

- To serve as a catalyst — advancing energy innovation and technology, transforming New York's economy, empowering people to choose clean and efficient energy as part of their everyday lives



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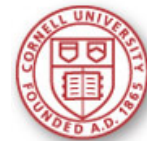


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NYSERDA Programs

- NYSERDA is funded through various means, Federal and State funds, as well as Systems Benefit funds from utility ratepayers. These monies fund a multitude of programs designed to benefit the ratepayers and citizens of NY in support of NYSERDA's energy goals.
- These programs are available to eligible participants and can assist homeowners/renters with the implementation of energy efficient measures.
- One of these programs is the New York Energy \$mart Communities Program.

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New York Energy \$mart Communities

- The New York Energy \$martSM Communities (E \$C) Program offers local, convenient, community-based access to the New York State Energy Research and Development Authority's (NYSERDA's) energy-efficiency and research and development (R&D) programs.
- NYSERDA works with 10 Communities Coordinators strategically located throughout the State to help extend NYSERDA's program outreach to residential, commercial, institutional, municipal, and industrial customers

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Southern Tier – E\$C Coordinators

- Cornell Cooperative Extension of Tompkins County, is the contracted regional Energy \$mart Coordinator for the Southern Tier.
- Energy \$mart Coordinators can help you find the program that fits your needs.

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Energy \$mart Coordinators

- In the Southern Tier there are four E\$Cs

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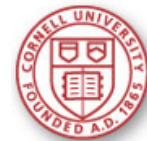
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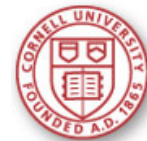


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NYSERDA Incentive Programs

- Here are some of the programs that we will be discussing in this presentation:
 - Existing Facilities Program
 - FlexTech Program
 - New Construction Program
 - Energy Audit Program
 - Solar PV Program Incentives
 - Solar Thermal Program Incentives

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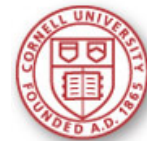


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Existing Facilities Program

This program offers a portfolio of incentive opportunities to offset the cost of energy improvements in existing commercial facilities across New York State

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Existing Facilities Pre-Qualified

Small, Simple Equipment Changeouts - Up to \$30,000

- Fixed incentives are available on a dollar-per-unit basis for smaller-scale lighting, HVAC, commercial refrigeration, commercial kitchen, gas equipment and other categories
- Measure worksheets help you calculate potential incentives
- Maximum incentives of up to \$30,000 for energy efficiency improvements
- No minimum incentive
- Submit your application for eligible equipment incentives up to 90 days after project completion

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Existing Facilities Pre-Qualified

Pre-Qualified Incentives

- [Lighting](#)
- [HVAC](#)
- [Chillers](#)
- [Motors](#)
- [Interval Meters](#)
- [Variable Frequency Drives](#)
- [Commercial Refrigeration](#)
- [Commercial Kitchen Equipment and Washers](#)
- [National Fuel gas customers \$\leq 12,000\$ Mcf](#)

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Existing Facilities Performance Based

Large, Custom Improvements - Up to \$5 Million

- Custom incentives for larger-scale electric, natural gas, energy storage, demand response and other projects
- Be confident about your return on investment through verified savings supported by engineering calculations
- Maximum incentives of up to \$2,000,000
- Minimum incentives of \$30,000
- Submit your application either before or within 90 days of contracting for the project

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Existing Facilities Performance Based

Summary of Performance Based Incentives

- Electric Efficiency
Incentives are offered to offset capital costs of cost effective efficiency projects that reduce electric consumption at eligible facilities.
- Natural Gas Efficiency
Incentives are offered to offset capital costs of cost-effective efficiency projects that reduce natural gas consumption at eligible facilities.
- Demand Response
Incentives are offered to offset a portion of the technology costs that enable facilities to participate in Demand Response Programs.
- Monitoring-Based Commissioning (MBCx)
Incentives are offered to support the implementation of continuous commissioning programs, as well as protocols and systems that promote persistent and measurable operational-based energy savings

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FlexTech Program

The FlexTechProgram provides New York State commercial, industrial, institutional, government, and not-for-profit sectors with objective and customized information to help customers make informed energy decisions.

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FlexTech Program

FlexTech's goal is to increase productivity and economic competitiveness of participating facilities by identifying and encouraging the implementation of:

- Cost-effective energy efficiency
- Carbon reduction measures
- Peak-load curtailment
- Combined heat & power (CHP) and renewable generation projects.

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FlexTech Program

Cost-sharing incentives are available to eligible participants for the following types of studies:

- General Feasibility Studies
- Peak-Load Reduction and Load Management
- Industrial and Process Efficiency Analysis
- Data Center Efficiency Analysis
- Energy Procurement Strategies
- Energy Efficiency Retro-Commissioning
- Long-Term Energy and Carbon Management
- CHP & Renewable Generation Studies
- Peak-Load Reduction Plans

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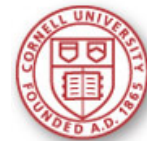


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New Construction Program

The New Construction Program (NCP) can provide assistance when incorporating energy-efficiency measures into the design, construction, and operation of new and substantially renovated buildings.

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New Construction Program

Incentives are available for the purchase and installation of energy efficient equipment that reduces electric energy consumption in new and substantially renovated buildings.

- Technical Assistance is available to help evaluate energy-efficiency measures and provide guidance to your design team on incorporating new and emerging energy-efficient technologies into your building.
- Funding is available to offset the additional costs associated with the purchase and installation of approved equipment.
- Assistance also may be available for commissioning services and green building opportunities.

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Energy Audit Program

Free energy audits are available to small businesses and not-for-profits with an average electric demand of 100 kW or less.

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Solar PV Program Incentives

The Solar PV Incentive Program offers homeowner incentives to help reduce the installation costs associated with photovoltaic (PV) or solar-electric systems 7 kilowatt (kW) and smaller. A 2 kW PV system provides about 20-30 percent of an average home's energy needs.

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Solar PV Program Incentives

Key Benefits

- Save 40-70% off the purchase cost and install a solar electric system by combining this program with other New York Energy \$martSM programs.
- Automatically receive a full five-year parts and labor warranty.
- Generate excess electricity with a system smaller than 25 kW and get credited on your utility bill for the amount of electricity you produce over and above what you use.

Solar Thermal Program Incentives

Incentives are available to residential (single and multifamily), commercial, and non-profit customers for new end-use Solar Thermal water heating system. You may be eligible to receive incentives to help fund the installation cost of Solar Thermal (ST) for the production of hot water to displace electrically heated hot water. Systems are capped at \$4,000.00 per site/ meter for residential systems.

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Solar Thermal Program Incentives

Key Benefits

- On average, incentives for a typical residential or commercial system are expected to cover approximately 15 to 20% of the installed cost of a ST system.
- Solar thermal systems can supply 50-80% of your hot water needs.

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Conclusion

This presentation has been provided to offer a brief overview of NYSERDA's commercial/industrial programs and solar program incentives.

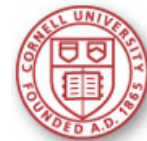
More information can be found on the NYSERDA website:

- <http://www.nyserda.ny.gov/>

You can also contact your local Energy \$mart Coordinators at Cooperative Extension of Tompkins County.

- E-mail: dee.gamble@cornell.edu
- Phone: 607.279-7197

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