

New York State Energy Research & Development Authority

Energy Efficiency Programs

**Central Hudson Gas & Electric
Customer Education Seminars – Series 1
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NYSERDA

New York  State

New York State Energy Research & Development Authority

- Public benefit corporation established in 1975
- Statewide administrator of System Benefits Charge (SBC)
 - Orange & Rockland, **Central Hudson**, Con Edison, National Grid, NYSEG, Rochester Gas & Electric
- **Mission Statement:** Advance innovative energy solutions in ways that improve NY's economy and environment.
 - Reduce energy consumption
 - Promote energy efficiency and alternative resources
 - Protect the environment

How Can NYSERDA Help?

- **Technical Assistance**
 - Free or Cost-Shared Energy Studies
- **Financial Incentives**
 - Incentives/Rebates
 - Financing for Energy Efficiency
- **New Construction Assistance/Incentives**
 - Design/Energy Studies
 - Incentives/Rebates

Technical Assistance – Small Business

- **FlexTech Energy Audit Program**

- FREE energy audit for facilities with an average electric demand of **100 kW or less**.
- Audits help identify economically viable improvements that yield substantial annual energy savings.

- **GJGNY Energy Efficiency Financing Program**

- Eligibility: Average electric demand of ≤ 100 kW; Less than 100 Employees; & Qualified Energy Audit (NYSERDA or Utility)
- Works with local lenders to provide Small Businesses with access to low-interest energy efficiency project financing.
- NYSERDA provides $\frac{1}{2}$ of the eligible loan amount, up to \$26,000, at 0% interest. Loan term ≤ 10 yrs.

Technical Assistance – Businesses

- **FlexTech Program**
 - Provides eligible facilities with objective and customized information on a cost-shared basis (50-50) to help customers make informed energy decisions.
 - General Energy Feasibility Studies; Peak-Load Reduction/Load Management; Industrial Process Efficiency Analysis; Data Center Efficiency Analysis; Energy Procurement Strategies; Retro-Commissioning; etc.
- **FlexTech Benchmarking Pilot**
 - Provides facilities over 50,000 sq. ft. with benchmarking and onsite operational assessments free, up to \$7,000.
 - Develops site-specific reports recommending operational or system modifications that may result in energy savings.
 - Additional assistance above \$7k will be cost shared 50-50.

Incentives – Existing Facilities Program

- **Pre-Qualified (Small-Sized Energy Projects):**
 - **\$/unit Rebate** for energy efficiency upgrades, such as lighting, HVAC, chillers, motors, interval meters, variable frequency drives, commercial kitchen equipment, ~~gas efficiency~~.
 - Maximum Incentive = \$30,000
- **Performance-Based (Large-Scale Energy Projects):**
 - **\$/“Energy Saved” Rebate** for Electric Efficiency, Energy Storage, Combined Heat & Power, Demand Response, Industrial and Process Efficiency, and Monitoring-Based Commissioning.
 - Minimum incentive = \$30,000 ($\$30,000 \div \$0.12 = 250,000$ kWh)
 - Incentive: Electric Efficiency = \$0.12 kWh

New Construction Program

- **New Construction or Substantial Renovation Project**
 - **Technical Assistance** available to help evaluate energy-efficiency measures and provide guidance to your design team on incorporating new/emerging technologies. (>15,000 sq. ft.)
 - **Funding Available** to offset the additional costs associated with the purchase & installation of approved equipment.
 - **Additional Assistance** for commissioning and green building opportunities.
 - *Submit applications early to maximize assistance/incentives.*

Renewable Energy

Must be installed by an Eligible Installer – getenergysmart.org

- **Solar Electric – (25-35% cost)**
 - \$1,750/kW up to 50 kW per site/meter (\$87,500)
 - **Must be grid-connected**
- **Solar Thermal – (15-20% cost)**
 - Up to \$25,000 per site/meter
 - **Must be an upgrade to an existing electric hot water system**
- **Wind – (up to 50% cost)**
 - Incentive starts at \$3.50/kWh & depends on AEO
 - **Must use an eligible turbine from NYSERDA's list**
- **Program Opportunity Notice (PON)**

Questions? Comments?

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