



**New Jersey Board of Public Utilities
Clean Energy Program Incentives
and
Proposed Hurricane Sandy Storm
Response
Energy Efficient
Equipment and Building Upgrades
February 2013**

Program Goals

- **Save** energy and lower operating costs
- **Protect** the environment and lower emissions
- **Change** the business mindset:
 - Think high efficiency first
 - Encourage early retirement of equipment
 - Increase efficient operations and maintenance
 - Promote renewable energy alternatives

Commercial & Industrial Program Focus

- Commercial Buildings
- Local Government Facilities
- Schools – K-12
- Industrial Facilities
- Manufacturing
- Healthcare Facilities
- Multifamily Buildings
- Hospitality Industry
- Higher Education Institutions

Free Benchmark Report

A building energy performance assessment designed to help you:

- Understand how energy is consumed and the cost trends at each building
- See how your building(s) compare to similar buildings using EPA Portfolio Manager
- Identify relevant NJCEP incentives for each facility
- **Report valued at \$1,500 and offer will end in June**
- **Request a sample report, benchmarking@trcsolutions.com**



Direct Install (DI)

- A turn-key, retrofit program designed to replace eligible lighting, HVAC and other inefficient operational equipment within your building
- For buildings $\leq 150\text{kW}$ peak monthly demand
- Incentives up to 70% of the project cost, customer pays remaining 30%
- Incentives are paid directly to the contractor on your behalf

Key DI Program Features

- Each project starts with a detailed no-cost measure assessment by the participating contractor
- A select group of pre-qualified contractors deliver all program services at negotiated flat fees for measures
- All permitting and disposal included
- Clean Energy staff oversee each project

Interfaith Neighbors

- 5,000 sq.ft. Building
- Lighting Retrofit & Controls
 - Fluorescents to T-8s
 - Occupancy Sensors
- HVAC & Gas
 - Packaged Units (3,4, & 5 ton)
 - 3-ton split system & gas fired furnace
- Total Project Cost \$66,216.55
- Direct Install Incentive \$50,450.73
- Customer Share of Cost \$15,765.82
- **Annual Savings**
 - **36,850 kWh and 157 therms**
 - **\$6,841**
- **Payback Period – 2.30 Years**



Connell Insurance

- Corner Retail Office Space
- Lighting & HVAC Retrofit
 - Incandescents to Screw-in CFLs
 - Fluorescents to T-8s
 - Replaced 12 Year Old 2.5 Ton AC
- Total Project Cost \$25,372
- Direct Install Incentive \$15,223 (60%)
- Customer Share of Cost \$10,149 (40%)
- **Annual Savings**
 - **7,989 kWh, 653 Therms**
 - **\$1,944**
- **Payback Period – 5.22 Years**



Woodbridge Library



- 52,000 sq.ft. Building
- Lighting Retrofit & Controls
 - Incandescents to Screw-in CFLs
 - Fluorescents to T-8s & LED Exit Signs
 - Occupancy Sensors
- Total Project Cost \$100,148
- Direct Install Incentive \$50,000 (Capped)
- Customer Share of Cost \$50,148
- **Annual Savings**
 - **260,260 kWh**
 - **\$39,149**
- **Payback Period – 1.28 Years**

Pay for Performance (P4P) Program

- Comprehensive, whole-building approach to saving energy in existing or new facilities
- Goal is to reduce facility energy consumption by 15% or more in existing or new buildings (over code)
- Uses a network of program partners who provide technical services under direct contract to you
- **The amount of the savings increase and the energy savings from the project increase**

P4P Eligibility Requirements

- Existing Building
 - Located in New Jersey
 - Annual peak monthly demand in excess of 100kW
- New Construction
 - Located in New Jersey within Smart Growth area
 - 50,000 square feet of conditioned planned space

P4P Incentives

- Participants pay Partner fees
- Requests for incentives filed by Partner
- Paid directly to participants to improve the performance of their buildings
- Incentives up to \$1 million per gas/electric meter or up to \$2 million total per project based on actual natural gas and electric savings
- Low interest EDA financing is available (\$250k to \$2.5 million/project)



Saker ShopRite

- 91,707 sq.ft. Supermarket
- Energy Efficiency Measures:
 - T-12s to T-8s, LED Retail Display
 - Compressor Upgrade, New Condensers
 - Radiant Floor Heat Recovery
 - Additional Wall & Roof Insulation
 - Reach-in Refrigerators/Freezers with LED Lights and ECM Motors, Controls
 - High Efficiency RTUs
- Project Cost \$1,201,830
- Incentives \$329,205 (over 27%!)
- **Annual Savings**
 - **1,354,812 kWh, 8,790 Therms, \$186,886**
- **Payback Period – Less Than 5 Years**



NJ SmartStart Incentives

- **Prescriptive and Custom**
 - Applicable to new construction, rehab, and retrofit projects
- **\$500k/year per metered account**
- **Don't install until we approve your project**
- **Offsets the incremental cost for high efficiency equipment**
- **Our office staff supports you**



Prescriptive Incentive Technologies

- Electric Chillers
- Natural Gas Cooling
- HVAC Systems & Controls
- Ground Source Heat Pumps
- Gas Heating
- Water Heating
- LED Lighting
- Variable Frequency Drives
- Motors*
- Lighting*
- Lighting Controls
- Refrigeration Doors/Covers and Controls

NOTE: *No more incentives for existing compact fluorescents (screw-in PAR, new fixtures) and LED exit signs and a new halogen baseline will be used to calculate program energy savings.*

Effective March 1, 2013

- Prescriptive lighting incentives will be eliminated for the replacement of existing T12 fixtures. The retrofit savings baseline will shift from T12s to T8s
- Incentives will be eliminated for premium efficiency motors
- Motors with greater than 200 HP will continue under custom measures
- Fractional HP electronically commutated motors (ECMs) for refrigerated/freezer cases will move to a prescriptive Refrigeration Controls/Motors application
- Applications for motor and T12 lighting incentives will be accepted through close of business February 28, 2013
- Approved applications must be completely installed one year from the program commitment date



Custom Electric/Gas Projects

- Custom measures may provide incentives for unique energy-efficiency measures
 - Incentives paid for approved projects per the lesser of three incentive values. 50% of project cost, buy down to a 1 year payback, or \$0.16/kWh // \$1.60 therm saved in the first year.
 - Eligible projects must have a minimum first year energy savings of 75,000 kWh or 1,500 therms

Local Government Energy Audit (free)

Eligibility for a Local Government Energy Audit will be limited to K-12 public schools that will implement the audit recommendations as part of an Energy Savings Investment Plan (ESIP), which provides for energy related improvements to be financed with the value of energy savings resulting from the project.



Enhanced Incentives Energy Efficiency Programs

- Storm response changes are targeted to customers whose residences, businesses or local government buildings are within zip codes designated by the New Jersey Board of Public Utilities
- Customers outside those zip codes who can demonstrate that their equipment was damaged by the hurricane may be eligible on a case-by-case basis
- Qualifying equipment purchased on or after October 29, 2012 and prior to June 30, 2013 will qualify





Enhanced Incentives

For Businesses & Local Governments

Proposed incentives available through
**NJ SmartStart Buildings Prescriptive
Program** have been increased by 50% in areas
affected by Hurricane Sandy



Enhanced Incentives

Mentioned earlier, Prescriptive measures include:

- Electric Chillers and Unitary HVAC
- Gas Heating, Cooling and Water Heating
- Ground Source Heat Pumps
- Variable Frequency Drives
- Premium Motors
- Lighting and Lighting Controls
- Refrigeration Doors, Covers and Controls

Enhanced Incentives

The other Commercial & Industrial Programs are **still available** but at the current incentive levels:

- Pay for Performance
- Direct Install
- Combined Heat & Power/Fuel Cells
- The combination of NJCEP, FEMA and utility company or other matching incentives/rebates can not exceed 100% of the cost of the project.

Food Service Equipment

For Hurricane Sandy Relief **only**, a new line of Prescriptive incentives has been added for high efficiency, commercial food service equipment, including:

- Dishwashers
- Fryers
- Griddles
- Hot Food Holding Cabinets
- Ice Machines
- Ovens
- Refrigerators & Freezers
- Steam Cookers

Streamlined Requirements

Modifications to standard program requirements for buildings located in Hurricane Sandy areas **only** include :

- Pre-inspections and pre-approvals may be waived where appropriate as will equipment inventory requirements for those with proof of existing conditions (i.e. maintenance records, recent photographs and energy audit reports)
- Restrictions on performance lighting measures in major rehabilitation projects have been eliminated
- Planned discontinuation of incentives for premium motors and T12 lighting replacements has been extended from March 1, 2013 to June 30, 2013

Application Procedures

- Check the list of zip codes in Sandy affected areas to verify your eligibility. If your zip code is not on the list, but you can demonstrate that your building's equipment was damaged by the hurricane, contact us at **866-NJSMART for instructions or visit <http://www.njcleanenergy.com/ssb>**
- Complete the Hurricane Sandy Certification Form
- Complete an application(s) for the NJ SmartStart Buildings energy efficiency measure for your project
- Attach the application(s) to the Certification Form and send it to the program manager at the address provided on the form

Enhanced Incentives

For Residents

Many people endured damage to their businesses and their homes and therefore can apply for both business and residential relief.



Enhanced Incentives

Proposed Residential Rebates for:

- Qualifying boilers, furnaces, water heaters, high efficiency central air conditioning units, and ENERGY STAR qualified clothes washers
- Some waived requirements for home rehab and new construction projects qualifying and enrolled on or after October 29, 2012 and prior to June 30, 2013
Visit NJCleanEnergy.com/SANDY to locate a New Jersey ENERGY STAR Homes builder
- The combination of NJCEP, FEMA and utility company or other matching incentives/rebates can not exceed 100% of the cost of the project.





For Sandy Relief Information:

Call 866-NJSMART or Visit

<http://www.njcleanenergy.com/ssb> or

http://nj.gov/nj/home/features/spotlight/hurricane_sandy.shtml

To Receive Program Information & Updates:

Visit <http://www.njcleanenergy.com/newsletter> & subscribe!

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