



# New Jersey Clean Energy Program Hurricane Sandy – Special Incentives

## Fact Sheet – January 2013

New Jersey's Clean Energy Program has announced a package of enhanced incentives to help those impacted by Hurricane Sandy with their efforts to recover and rebuild. The temporary financial incentives are available for homeowners and for buildings owned by businesses and local governments.

### Eligibility

FEMA has designated specific areas that were damaged by Hurricane Sandy. A list of zip codes is available on the [NJCleanEnergy.com/SANDY](http://NJCleanEnergy.com/SANDY) web page. Applications for Hurricane Sandy relief outside of those eligible zip codes will be reviewed on a case-by-case basis.

### Homeowners

The residential enhanced Hurricane Sandy incentives are retroactive for purchases made on or after October 29, 2012.

#### *Furnaces, Boilers and Natural Gas Water Heaters (WARMAdvantage)*

- An enhanced \$200 incentive per unit will be offered on qualifying furnaces, boilers, and water heaters in addition to the incentive payments shown on the following page\*.

#### *Heat Pumps and Ductless Mini-Split Units (COOLAdvantage)*

- An enhanced \$200 incentive per unit incentive will also be offered on qualifying heat pumps and ductless mini-split units in addition to the incentive payments shown on the following page\*.

#### *Central Air Conditioners (COOLAdvantage) and Clothes Washers*

- Central air conditioners with a minimum efficiency level SEER 16 and EER 13 will receive a \$500 incentive.
- Clothes washers with a modified energy factor of 2.2 or higher qualify for a \$50 rebate.

#### *State Energy Program (SEP) HVAC Program:*

- Hurricane Sandy enhanced incentives also apply to municipal, co-op electric, propane and oil customers and will continue through June 30, 2013 or until funds are exhausted.

#### *New Construction*

- Incentives for new construction are normally restricted to areas designated for growth in the NJ State Development and Redevelopment Plan. Smart growth requirements are being waived for NJ ENERGY STAR Homes built in areas impacted by Hurricane Sandy.

**COOLAdvantage Minimum Efficiency Levels and Incentives**

Equipment Type	Minimum Efficiency Criteria for units	Sizing and Selection	Purchase Before 2/24/13	On or After 2/24/13
Central A/C	Compressor and coil combination >= SEER 16 and EER 13	Manual J and S Calculations	\$500	\$0*
Heat Pump or Ductless Mini-Split System	Compressor and coil Combination >= SEER 16 and EER 13 and in the case of heat pumps HSPF 8.5.	Manual J and S Calculations (not required for ductless mini-split systems)	\$500	\$500
Geothermal Heat Pump	ENERGY STAR	Manual J and S calculations	\$500	\$500

**WARMAvantage Minimum Efficiency Levels and Incentives**

Equipment Type	Minimum Efficiency Criteria	2012 Incentive	2013 Effective Purchase Dates	2013 Incentive
Gas Water Heater	EF .82 or greater, ENERGY STAR	\$300	1/24/13	\$500
Gas Water Heater	TE 90% or greater with sealed combustion	\$300	1/24/13	\$500
Power Vent Water Heater	EF .67 or greater, ENERGY STAR	N/A	1/24/13	\$500
Gas Furnace	AFUE 92% or greater (with/without ECM) ENERGY STAR purchased on or after 10/29/12 statewide	\$400	2/24/13	\$250
Combination System Install	Qualifying AFUE 92% Furnace with Qualifying Water Heater	N/A	1/24/13	\$900
Oil Furnace	AFUE 85% or greater, ENERGY STAR	\$300	2/24/13	\$250
Gas Boiler-Hydronic	AFUE 85% or greater, ENERGY STAR	\$300	Continues from 2012	\$300
Gas Boiler-Steam	AFUE 82% or greater	\$300	Continues from 2012	\$300
Oil Boiler-Hydronic	AFUE 85% or greater, ENERGY STAR	\$300	Continues from 2012	\$300
Oil Boiler-Steam	AFUE 82% or greater	\$300	Continues from 2012	\$300
Solar Water Heater	Electric or Gas backup, ENERGY STAR (SRCC OG-300 listed and SF=>.5)	\$1,200	Continues from 2012	\$1,200

## Businesses, Local Governments, and Schools

### *NJ SmartStart Buildings*

- Equipment replacement incentives for high efficiency measures have been increased by 50% over standard levels for buildings impacted by Hurricane Sandy. Qualifying equipment must be purchased on or after October 29, 2012 through June 30, 2013 to be eligible. The 50% increase will be applied to the following standard equipment incentive levels up to a maximum 100% of material costs.
  - Electric Chillers
    - Water-cooled chillers (\$12 - \$170 per ton)
    - Air-cooled chillers (\$8 - \$52 per ton)
  - Gas Cooling
    - Gas absorption chillers (\$185-\$450 per ton)
    - Gas Engine-Driven Chillers (Calculated through Custom Measure Path)
  - Desiccant Systems (\$1.00 per cfm - gas or electric)
  - Electric Unitary HVAC
    - Unitary AC and split systems (\$73 - \$92 per ton)
    - Air-to-air heat pumps (\$73 - \$92 per ton)
    - Water-source heat pumps (\$81 per ton)
    - Packaged terminal AC & HP (\$65 per ton)
    - Central DX AC Systems (\$40 - \$72 per ton)
    - Dual Enthalpy Economizer Controls (\$250)
    - Occupancy Controlled Thermostats (\$75 each)
    - A/C Economizing Controls (\$85 - \$170 each)
  - Ground Source Heat Pumps - Closed Loop (\$450-750 per ton)
  - Gas Heating
    - Gas-fired boilers < 300 MBH (\$300 per unit)
    - Gas-fired boilers ≥ 300 MBH - 1500 MBH (\$1.75 per MBH)
    - Gas-fired boilers ≥ 1500 MBH - ≤ 4000 MBH (\$1.00 per MBH)
    - Gas-fired boilers > 4000 MBH (Calculated through Custom Measure Path)
    - Gas furnaces (\$300-\$400 per unit)
    - Gas infrared heaters - indoor only (\$300 - \$500 per unit)
    - Boiler economizing controls (\$1,200 - \$2,700 per unit)
  - Variable Frequency Drives
    - Variable air volume (\$65 - \$155 per hp)
    - Chilled-water pumps (\$60 per hp)
    - Compressors (\$5,250 to \$12,500 per drive)

- Natural Gas Water Heating
  - Gas water heaters ≤ 50 gallons (\$50 per unit)
  - Gas-fired water heaters > 50 gallons (\$1.00 - \$2.00 per MBH)
  - Tankless water heaters replacing a free standing water heater > 82% energy factor (\$300 per heater)
  - Gas-fired booster water heaters (\$17 - \$35 per MBH)
- Premium Motors
  - Fractional (< 1 HP) Electronic Commutated Motors (ECM) (\$40 per ECM for replacement of existing shaded-pole motor in refrigerated/freezer cases)
  - Three-phase motors (\$45 - \$700 per motor) (Incentive to be discontinued effective March 1, 2013)
- Prescriptive Lighting
  - T-12 to T-5 and T-8 lamps with electronic ballast in existing facilities (\$10 per fixture, 1-4 lamps) (Incentive to be discontinued effective March 1, 2013 for T-12 retrofits and replacements)
  - T-8 to reduced wattage T-8 (28W/25W 4') retrofit with ballast replacement (\$10 per fixture, 1-4 lamps)
  - Metal halide w/pulse start (\$25 per fixture)
  - T-5 and T-8 High Bay Fixtures (\$16 - \$200 per fixture) (Incentive to be discontinued effective March 1, 2013 for T-12 retrofits and replacements)
- Lighting Controls
  - Occupancy Sensors
    - Wall mounted (\$20 per control)
    - Remote mounted (\$35 per control)
    - Daylight dimmers (\$25 per fixture controlled, \$50 per fixture for office applications only)
    - Occupancy controlled hi-low fluorescent controls (\$25 per fixture controlled)
  - HID or Fluorescent Hi-Bay Controls
    - Occupancy hi-low (\$75 per fixture controlled)
    - Daylight dimming (\$75 per fixture controlled)
- Refrigeration
  - Refrigeration Covers and Doors
    - Energy-Efficient doors for open refrigerated doors/covers (\$100 per door)
    - Aluminum Night Curtains for open refrigerated cases (\$3.50 per linear foot)

- Refrigeration Controls
      - Door Heater Control (\$50 per control)
      - Electric Defrost Control (\$50 per control)
      - Evaporator Fan Control (\$75 per control)
      - Novelty Cooler Shutoff (\$50 per control)
- In order to assist food providers in Hurricane Sandy areas, a new line of commercial food service equipment incentives has been added for high efficiency:
  - Combination Oven/Steamer (Electric) - \$1,000/oven
  - Combination Oven/Steamer (Natural Gas) - \$750/oven
  - Convection Oven (Electric)- \$350/oven
  - Convection Oven (Natural Gas)- \$500/oven
  - Rack Oven (Natural Gas) - \$1,000/single oven, \$2,000/double oven
  - Conveyor Oven (Natural Gas) - \$500/small deck, \$750/large deck
  - Fryer (Electric) - \$250/vat
  - Fryer (Natural Gas) - \$749/vat
  - Large Vat Fryer (Electric) - \$200/vat
  - Large Vat Fryer (Natural Gas) - \$500/vat
  - Griddle (Electric) - \$300/griddle
  - Griddle (Natural Gas) - \$125/griddle
  - Steam Cooker (Electric) - \$1,250/steamer
  - Steam Cooker (Natural Gas) - \$2,000/steamer
  - Insulated Holding Cabinets - \$200 to \$300/unit
  - Glass Door Refrigerators - \$75 to \$150/unit
  - Solid Door Refrigerators - \$50 to \$200/unit
  - Glass Door Freezers - \$200 to \$1,000/unit
  - Solid Door Freezers - \$100 to \$600/unit
  - Ice Machines - \$50 to \$500/unit
  - Dishwashers - \$400 to \$1,500/unit
- Additional enhancements for buildings located in Hurricane Sandy areas include the following modifications to standard program requirements:
  - Pre-inspections and pre-approvals will 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.
  - The planned discontinuation of incentives for premium motors and T12 lighting has been extended from March 1, 2013 to June 30, 2013 for buildings affected by Hurricane Sandy.