



New Jersey Home Performance with ENERGY STAR®

2011 Fact Sheet

Home Performance with ENERGY STAR (HPwES) offers "whole-house" solutions to reduce both your energy costs and carbon footprint. Installing energy efficient upgrades can save you up to 30% on energy costs and increase the comfort, safety, and durability of your home.

The HPwES Program is available to all New Jersey's natural gas and electric utility customers and, for a limited time, to municipal electric, oil, and propane customers, as well.

The first step is to schedule an assessment (audit) of your home's current conditions. A certified technician will conduct the audit, recommend energy efficiency upgrades, and explain the available HPwES financial incentives. A listing of HPwES participating contractors is available at

the New Jersey Clean Energy Program's website at NJCleanEnergy.com/hp. It is recommended that you contact several contractors before selecting one to install your upgrades.

The program offers generous incentives to homeowners based on the home's estimated total energy savings (TES) as a result of installing energy efficient measures. Your contractor uses the program software to calculate the natural gas and electricity energy savings as a percentage of your annual consumption, which is reflected on the printed Proposed Measures report from your contractor. If the percentage of savings achieves 25% or higher, the project qualifies for the \$4,000 rebate and the 0% interest financing. Ask your contractor about the additional 2011 Fall Discount.

2011 HPwES Incentives for Single Family or Townhouse projects

REQUIREMENTS	CUSTOMER INCENTIVES
10% TES or greater: Install air sealing and/or insulation, with the option of installing hot water heater, duct sealing and/or duct insulation measures, with estimated TES of at least 10% and less than 20%.	<ul style="list-style-type: none"> • \$1,000 rebate, not to exceed 50% of the costs of the eligible measures used by your contractor to calculate TES.* • For NJNG customers only: 0% interest repayment plan up to \$10,000 • \$500 Additional Fall Discount**
20% TES or greater: Install air sealing, insulation, HVAC, hot water heater, and/or other eligible measures with estimated TES of at least 20% and less than 25%.	<ul style="list-style-type: none"> • \$3,000 rebate, not to exceed 50% of the costs of the measures used to calculate TES and • 0% interest loan or repayment plan up to \$10,000 • \$750 Additional Fall Discount**
25% TES or greater: Install air sealing, insulation, HVAC, hot water heater, and/or other eligible measures with estimated TES of at least 25%.	<ul style="list-style-type: none"> • \$4,000 rebate, not to exceed 50% of the costs of the measures used to calculate TES and • 0% interest loan or repayment plan up to \$10,000 • \$1,000 Additional Fall Discount**

* Example; If your project achieved 10% TES and you paid \$2,500 for the eligible measures, you would receive a \$1,000 rebate; or, if you only paid \$1,700, you would receive a 50% rebate of \$850.

** Projects must be enrolled in the HPwES Program no later than December 31, 2011, to qualify for the Fall Discount.

If you have already received a HPwES rebate for a particular property, you will only be eligible for additional incentives if you have not exceeded the above incentive caps. For details, see the Frequently Asked Questions at NJCleanEnergy.com/hp.

Loan & Repayment Options for Single Family or Townhouse projects

- **0% loan up to \$10,000 available through Energy Finance Solutions (EFS).** To be eligible, your project must achieve 20% TES or higher. Applications are available at www.energyfinesolutions.com.
- **0% On-bill Repayment Program (OBRP) up to \$10,000 available through New Jersey Natural Gas (NJNG).** To be eligible, you must be a NJNG customer and your project must achieve 10% TES or higher. NJNG OBRP applications are available through HPwES contractors.

For more information, contact: *New Jersey's Clean Energy Program*

866-NJSMART * info@njcep.com * NJCleanEnergy.com/hp



**2011 New Jersey
Home Performance with ENERGY STAR®**

ELIGIBLE MEASURES

Last Updated: October 1, 2011

Home Performance with ENERGY STAR® is designed to transform the way energy efficiency services are delivered to existing 1-4 family homes and low-rise multifamily buildings. To qualify for cash incentives and financing options offered through the Program, the energy efficiency improvements must be installed by a BPI accredited contractor participating in the Program, must meet minimum efficiency requirements listed below and, one measure must be a major measure (furnace, boiler, insulation, water heater etc.). The minimum loan amount is \$2,500. A single measure or combination of measures from the following list can be financed, which the maximum loan amount is \$10,000.

Primary Heating System	Minimum Efficiency Requirements²
Furnace – Natural Gas/ Propane Furnace- Oil Boiler – Hot Water – Natural Gas/ Propane/ Oil Boiler – Steam – Natural Gas/ Propane Boiler - Steam - Oil Air Source Heat Pump (electric split system) ¹ Air Source Heat Pump (gas-fired) ¹ Ground Source Heat Pump ¹ Duct Sealing ²	AFUE 92.0% AFUE 85.0% AFUE 85.0% AFUE 83.0% AFUE 85.0% 12.0 EER / 14.5 SEER / 8.5 HSPF 1.2 COP (h) / 1.25 COP © 14.1 EER / 3.3 COP UL 181 B Mastic or other permanent sealant; use of tape is disallowed
Cooling Equipment	Minimum Efficiency Requirement²
Central Air Conditioner (split system)	14.5 SEER / 12.0 EER
Water Heater	Minimum Efficiency Requirement²
Tank- Natural Gas/ Propane On-demand- Natural Gas/ propane Indirect-Fired Tank Heat Pump Water Heaters	EF .62 power vent EF .82(instantaneous water heaters) Installed with qualifying boiler, at least 30 gal, R-16 EF ≥2.0
Building Shell	Minimum Efficiency Requirements⁴
Insulation (attic, wall, floor, band joist, basement, crawl space) Air Sealing	State or local code and efficiency requirement Conducted by professional with blower door testing
Mechanical Ventilation	Minimum Efficiency Requirements
Exhaust Ventilation Fans Heat/Energy Recovery Ventilator HVAC integrated with fan control and mechanical damper	ENERGY STAR ENERGY STAR Qualified (must vent to exterior of building shell) No minimum efficiency requirement. Installed with qualifying furnace with ECM motor.
Health and Safety Measures	
Smoke Detectors, Radon Detectors, and Carbon Monoxide Detectors Repairs/upgrades to venting systems and power venting kits Measures to provide sufficient combustion air and prevent Combustion Appliance Zone (CAZ) depressurization, spillage or inadequate draft. Vapor barriers Attic ventilation Fuel line leak repairs Clothes dryer venting Exhaust fan venting	These measures can be either hard wired or battery operated Per code and/or manufacturer specifications as appropriate Allowed when BPI-required combustion safety tests indicate problem(s) with CAZ depressurization, draft or spillage, per BPI standards Minimum 6-mil plastic Passive ventilation only At least semi-rigid metal, vented to outside, R-7 in unconditioned space Vented to outside, pitched up to outside, R-7 in unconditioned space

¹ Duct Systems for warm air furnaces, heat pumps and central air conditioners should be tested and sealed to reduce leakage
² Requires submittal of AHRI Certificate, GAMMA Certificate, or an Energy Star listing as verification of system efficiency
³ Requires BPI Heating Certification and submittal of pre & post duct pressurization and post system airflow testing
⁴ Requires BPI Shell Certification and submittal of pre & post blower door testing when required per BPI Standards



FINANCING OPTIONS

Home Performance with ENERGY STAR offers a 50% work scope incentive of up to \$4,000. The balance of the cost, up to \$10,000, can be financed at 0% interest rate but specific features and requirements vary. For the purpose of calculating the maximum financing amount, the contractor shall use the cost of the project minus any other available incentives such as manufacturer rebates and/or discounts.

QUALIFIED ACCESSORIES

The costs associated with the installation of qualified accessories for Eligible Measures are eligible for incorporation into a 0% interest rate financing offered through the Program. These costs can also be included in the portion of the work scope being incentivized through the Home Performance work scope subsidy.

- **Qualified Eligible Accessories include:** hydronic distribution parts, ductwork, grills, diffusers, chimney liners, mechanical air cleaners, and programmable thermostats as part of an installation of a qualified central HVAC system. ICAT Rated Energy Star qualified recessed light fixtures as part of an eligible attic floor insulation upgrade. Service contracts and extended warranties are also eligible for incorporation into the financing and subsidy.
- Accessory items included in work scopes that involve fuel switching (for example electric baseboard heating to natural gas furnace) are eligible for incorporation into the financing and subsidy offered through the Program, provided the new heating system is installed through the Home Performance with ENERGY STAR Program, is an eligible measure. Examples of these fuel switching accessories are: gas main extensions, service laterals, and piping.
- Services associated with the eligible improvements (Home Energy Audit, blower door test) are eligible for incorporation into a reduced interest rate loan offered through the Program and the Home Performance work scope subsidy incentives. An accredited participating Home Performance with ENERGY STAR Contractor must perform these services.

The first \$2,000 of costs associated with any combination of the following measures is eligible for incorporation into the workscope.

- Asbestos abatement or electrical service upgrade necessary to install the new heating/cooling unit.
- Upgrade of knob and tube wiring in order to install insulation.
- Radon and lead abatement work.
- The cost of removing an oil tank is eligible when done in connection with a heating system replacement.
- Repairs to the home due to water damage, molds and mildew, ice dams or other symptoms of poor building performance, as long as the cause(s) of building performance-related damage are being addressed.

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