

2013 New Jersey
Home Performance with ENERGY STAR®



ELIGIBLE MEASURES (As of January 1, 2013)

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, projects must include at least air leakage reduction measure and Tier 3 projects must also include one additional eligible measure (heating system, cooling equipment, water heater, or building shell insulation). The minimum financing amount is \$2,500. A combination of measures from the following list can be financed, which the maximum financed amount is \$10,000.

<p>Primary Heating System</p> <p>Furnace¹ – Natural Gas/Propane⁸</p> <p>Furnace¹ – Oil⁸</p> <p>Boiler¹ – Hot Water – Natural Gas/Propane⁸/Oil⁸</p> <p>Boiler¹ – Steam – Natural Gas/Propane⁸/Oil⁸</p> <p>Air Source Heat Pump (Mini/Central Split System)⁴</p> <p>Ground Source Heat Pump⁴</p>	<p>Minimum Efficiency Requirements^{2,3}</p> <p>AFUE 95.0% + 2%e Blower Motor</p> <p>AFUE 85.0% + 2%e Blower Motor</p> <p>AFUE 85.0%</p> <p>AFUE 82.0%</p> <p>12.0 EER / 14.5 SEER / 8.5 HSPF</p> <p>14.1 EER / 3.3 COP</p>
<p>Cooling Equipment</p> <p>Air Conditioner (Mini/Central Split System)</p>	<p>Minimum Efficiency Requirements^{2,3,4}</p> <p>14.5 SEER / 12.0 EER</p>
<p>Ducted Distribution System</p> <p>Duct Sealing</p> <p>Duct Insulation</p>	<p>Minimum Requirements^{1,5}</p> <p>UL 181 B Mastic; tape is disallowed, submit pre & post leak testing</p> <p>R-8 supplies in attics, all other R-6 (except ducts inside thermal)</p>
<p>Water Heater</p> <p>Tank- Natural Gas/Propane⁸</p> <p>On-Demand- Natural Gas/Propane⁸</p> <p>Indirect-Fired Tank</p> <p>Heat Pump Water Heaters.....</p>	<p>Minimum Efficiency Requirements²</p> <p>Energy Factor (EF) 0.62 <u>power vent</u> (i.e. positive vent pressure)</p> <p>Energy Factor (EF) 0.82 (instantaneous water heaters)</p> <p>Installed with qualifying boiler, at least 30 gal, R-16</p> <p>Energy Factor ≥ 2.0</p>
<p>Building Shell</p> <p>Insulation (if proposing an upgrade to the following):</p> <p>Attic floor or roof deck (may not be combined)</p> <p>Walls- above grade, band joists</p> <p>Floors</p> <p>Foundation walls- basement, crawl space</p> <p>Air Sealing.....</p>	<p>Minimum Requirements^{6,7}</p> <p>NJ State code and efficiency requirement</p> <p>R-38</p> <p>R-13</p> <p>R-19</p> <p>R-10</p> <p>Conducted by BPI contractor with pre & post blower door testing</p>
<p>Mechanical Ventilation</p> <p>Exhaust Ventilation Fans</p> <p>Heat/Energy Recovery Ventilator</p> <p>HVAC integrated with fan control and mechanical damper.....</p>	<p>Minimum Efficiency Requirements</p> <p>ENERGY STAR Qualified (must vent to exterior of building shell)</p> <p>No minimum efficiency requirement</p> <p>Installed with qualifying furnace with ECM motor</p>
<p>Health and Safety Measures</p> <p>Smoke, Radon, or Carbon Monoxide Detectors.....</p> <p>Repairs/upgrades to venting systems and power venting kits....</p> <p>Measures to provide sufficient combustion air and prevent</p> <p>Combustion Appliance Zone (CAZ) depressurization, spillage or inadequate draft</p> <p>Vapor barriers.....</p> <p>Attic ventilation</p> <p>Fuel line leak repairs.....</p> <p>Clothes dryer venting</p> <p>Exhaust fan venting</p>	<p>Minimum Requirements</p> <p>These measures can be either hard wired or battery operated</p> <p>Per code and/or manufacturer specifications as appropriate</p> <p>Allowed when BPI-required combustion safety tests indicate problem(s) with CAZ depressurization, draft or spillage, per BPI standards</p> <p>Minimum 6-mil plastic</p> <p>Passive ventilation only</p> <p>Permanent repairs</p> <p>At least semi-rigid metal, vented to outside, R-7 in unconditioned space</p> <p>Vented to outside, pitched up to outside, R-7 in unconditioned space</p>

¹ Requires BPI Heating Certification

² Requires submittal of [AHRI Certificate](#), [CEE Directory](#), or [ENERGY STAR listing](#) as verification of system efficiency

³ Installed system must be properly sized with Manual J calculation by ACCA procedures or equivalent

⁴ Refrigerant based systems require BPI AC/Heat Pump Certification and must be served by IOU electric utility

⁵ Requires submittal of pre & post duct pressurization testing for duct work outside the thermal envelope and post system airflow testing

⁶ Requires BPI Envelope Certification and submittal of pre & post blower door testing when required per BPI Standards

⁷ When proposing insulation for enclosed cavities, the installed insulation should meet the listed R-values or at a minimum fill the cavity

⁸ Oil/Propane equipment upgrades are eligible until June 30, 2013 or until SEP funds are fully exhausted

FINANCING OPTIONS

Home Performance with ENERGY STAR offers a 50% work scope incentive of up to \$5,000. 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 rebate and financing amounts, 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, advanced boiler controls, 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. Drain Water Heat Recovery (DWHR) with installation of a qualifying DHW. Service contracts and extended warranties are eligible for incorporation into financing offered through the Program.
- Accessory items included in work scopes that involve fuel switching (for example electric baseboard heating to natural gas furnace) are eligible for incorporation into financing offered through the Program, provided the new heating system is installed through the Home Performance with ENERGY STAR Program and 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, or construction management) are eligible for incorporation into financing offered through the Program and the Home Performance work scope subsidy. An accredited participating Home Performance with ENERGY STAR Contractor must perform these services.

The first \$2,000 of costs associated with any Health and Safety Measures on page 1 and/or 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.

EFFICIENCY DOCUMENTATION SOURCES

- AHRI Certificate www.ahridirectory.org
- CEE Directory www.ceedirectory.org
- ENERGY STAR listing www.energystar.gov

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