

2011 New Jersey
Home Performance with ENERGY STAR®



ELIGIBLE MEASURES

Home Performance with ENERGY STAR® is designed to transform the way energy efficiency services are delivered to existing 1-4 family homes and certain 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 combination of measures from the following list can be financed, which the maximum loan amount is \$10,000.

<p><u>Primary Heating System</u> Furnace – Natural Gas/ Propane¹ Furnace – Oil¹ 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 Pump¹ Duct Sealing³</p>	<p><u>Minimum Efficiency Requirements²</u> AFUE 92% AFUE 85% AFUE 85% AFUE 83% AFUE 85% 12 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</p>
<p><u>Cooling Equipment</u> Central Air Conditioner (split system)¹</p>	<p><u>Minimum Efficiency Requirements²</u> 14.5 SEER / 12 EER</p>
<p><u>Water Heater</u> Tank- Natural Gas/ Propane On-demand- Natural Gas/ propane Indirect-Fired Tank Heat Pump Water Heaters</p>	<p><u>Minimum Efficiency Requirements²</u> EF .62 power vent EF .82 (instantaneous water heaters) Installed with qualifying boiler, at least 30 gal, R-16 EF ≥2.0</p>
<p><u>Building Shell</u> Insulation (attic, wall, floor, band joist, basement, crawl space) Air Sealing</p>	<p><u>Minimum Requirements⁴</u> State or local code and efficiency requirement Conducted by professional with blower door testing</p>
<p><u>Mechanical Ventilation</u> Exhaust Ventilation Fans Heat/Energy Recovery Ventilator HVAC integrated with fan control and mechanical damper</p>	<p><u>Minimum Efficiency Requirements</u> ENERGY STAR Qualified (must vent to exterior of building shell) No minimum efficiency requirement Installed with qualifying furnace with ECM motor</p>
<p><u>Health and Safety Measures</u> 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</p>	<p><u>Minimum Requirements</u> 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</p>

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

The New Jersey Home Performance Program offers different financing options at low interest rate but specific features and requirements vary. For the purpose of calculating the maximum loan amount, the contractor shall use the cost of the project minus any other available incentives from other programs for the installation of high efficiency equipment and appliances.

ADDITIONAL SUPPORT

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 with the low-interest loan. For the purpose of calculating the maximum loan amount, the contractor shall use the cost of the project, minus the Home Performance Cash Back Incentive and any available incentives from other programs for the installation of high efficiency equipment and appliances.

QUALIFIED ACCESSORIES

- The costs associated with the installation of qualified accessories for Eligible Measures are eligible for incorporation into a reduced interest rate loan offered through the Program. These costs can also be included in the portion of the work scope being subsidized 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 eligible for incorporation into a reduced interest rate loan 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 a reduce interest loan 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, or construction management) 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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