



SPECIFICATION SHEET for Keystone HELP Energy Efficiency Loan Installation

Please note that a household may receive only one Keystone HELP loan or one Keystone HELP rebate each fiscal year, which is defined as the period from July 1 until the following June 30.

Contractor		Contractor Sales Person	
Customer Name(s)		Contract Date	
Customer(s) Street Address, City, State, and Zip Code			
Approximate Start Date of Work		Approximate Completion Date of Work	

QUALIFYING IMPROVEMENTS FOR KEYSTONE HELP LOAN				
IMPROVEMENT	MANUFACTURER	MODEL	RATINGS	PRICE
Air Source Heat Pumps – ENERGY STAR			____SEER ____EER ____HPSF	\$
Air Source Heat Pumps – ADVANCED			____SEER ____EER ____HPSF	\$
Geothermal Heat Pump - ADVANCED			____EER ____COP	\$
Central AC Systems – ENERGY STAR			____SEER	\$
Central AC System Split Systems - ADVANCED			____SEER ____EER	\$
Central AC Package Systems - ADVANCED			____SEER ____EER	\$
Boilers (All Fuels) - ENERGY STAR			____AFUE Fuel _____	\$
Boilers (All Fuels) - ADVANCED			____AFUE Fuel _____	\$
Furnaces (All Fuels) – Must be ENERGY STAR (Except for Indoor Solid Fuel Wood, Coal etc. min 78% AFUE)			____AFUE Fuel _____	\$
Furnaces (All Fuels) - ADVANCED			____AFUE Fuel _____	\$
Water Heaters – ENERGY STAR			____EF Fuel _____	\$
Ceiling Fans – ENERGY STAR				\$
Programmable Thermostats – ENERGY STAR				\$
Ventilating Fans – ENERGY STAR				\$
Windows & Doors – ENERGY STAR <u>With NFRC label. U factor .35 or less</u>				\$
Air Sealing & Insulation			____R Ceiling ____R Floor	\$
Air Sealing & Insulation – ADVANCED			____R Ceiling ____R Floor ____R Wall	\$
Alternative Energy Heating & Cooling (excluding solar)				\$
Other Whole House Recommendation				\$
Other Whole House Recommendation				\$
Other Whole House Recommendation				\$
Other Improvements (Non-Qualifying)				\$
Other Improvements (Non-Qualifying)				\$
Other Improvements (Non-Qualifying)				\$
TOTAL PROJECT COST				\$
TOTAL FINANCED with KEYSTONE HELP LOAN				\$

Contractor hereby promises and agrees to install the qualifying improvements listed above in accordance with the installation standards on the reverse. Contractor makes this promise not only to the Customer, but also to the Commonwealth of Pennsylvania and its agencies and to any third-party bank, credit institution, finance company or other entity that will participate in the Keystone HELP program in connection with or as part of a transaction involving this Agreement between Contractor and Customer.

CONTRACTOR'S AUTHORIZED REPRESENTATIVE
SIGNATURE

QUALIFYING IMPROVEMENTS AND INSTALLATION STANDARDS

The Keystone HELP® program is for ENERGY STAR® rated and other high efficiency energy improvements. All work can be financed if at least 75 percent of the project consists of qualifying improvements as follows:

<u>LOAN or REBATE for ENERGY STAR</u>	<u>LOAN or REBATE for ADVANCED PERFORMANCE ENERGY STAR</u>	<u>LOAN Unsecured or Secured WHOLE HOUSE IMPROVEMENT</u>
<p>ENERGY STAR Air Source Heat Pumps ENERGY STAR Central AC Systems ENERGY STAR Boilers (All Fuels) ENERGY STAR Furnaces (All Fuels) <u>Must be ENERGY STAR certified</u> except for <i>indoor solid fuel burning furnaces</i> (wood, coal etc.) which must have a minimum 78% AFUE. ENERGY STAR Water Heaters ENERGY STAR Ceiling Fans ENERGY STAR Programmable Thermostats ENERGY STAR Ventilating Fans ENERGY STAR Windows/Doors <u>With NFRC label, U factor .35 or less</u></p> <p>Air Sealing and Insulation (ENERGY STAR certification not required), provided that all of the following must be completed:</p> <ul style="list-style-type: none"> • Air sealing of the home and ducts is performed, and • Ceiling insulation installed achieves R-38 or better*, and • Floor insulation installed achieves R-25 or better* <p>* Unless structural limitations prevent achievement of these insulation levels, in which instances the maximum R-value that can be achieved is required.</p> <p><u>Work must be performed by an:</u></p> <ul style="list-style-type: none"> • Approved Contractor or • Trained Contractor or • Certified Contractor 	<p>Air Source Heat Pump SEER ≥ 15.0, EER ≥ 13.0, HSPF ≥ 9.0 Central AC System Split Systems SEER ≥ 15.0, EER ≥ 12.5 Central AC Package Systems SEER ≥ 14.0, EER ≥ 12.0 Boilers (All Fuels) AFUE ≥ 95 Furnaces (All Fuels) AFUE ≥ 95 Alternative Energy Heating & Cooling Equipment or Systems - <i>Excluding solar technologies</i></p> <ul style="list-style-type: none"> • Must be professionally installed by a tradesperson experienced with the installation requirements of the system; • Be permanently affixed inside the home; • Meet or exceed ENERGY STAR performance standards for comparable heating or cooling equipment, devices or appliances; • Have appropriate labels and listings (UL for electrical, NFPA for fire protection, ASME for pressure vessels, etc.); • Meet all applicable state and local building codes; • Not use waste products or materials as a fuel source <p>Geothermal Heat Pumps <u>CLOSED LOOP GEO-EXCHANGESYSTEMS ONLY</u> EER ≥ 14.1, COP ≥ 3.3 Air Sealing and Insulation (ENERGY STAR certification not required), provided that all of the following must be completed:</p> <ul style="list-style-type: none"> • Air sealing of the home and ducts is performed, and • Ceiling insulation installed achieves R-38 or better*, and • Floor insulation installed achieves R-25 or better*, and • Wall insulation installed achieves R-15 or better.* <p>* Unless structural limitations prevent achievement of these insulation levels, in which instances the maximum R-value that can be achieved is required.</p> <p><i>Improvements under this category must be both Energy Star rated (except insulation) and also meet the Advanced Performance standards as outlined above. They may also be eligible for Federal Tax Credits – consult your tax advisor.</i></p> <p><u>Work must be performed by an:</u></p> <ul style="list-style-type: none"> • Approved Contractor or • Trained Contractor or • Certified Contractor 	<p>Qualifying Improvements consist of the comprehensive "Whole House" energy audit conducted by a Certified Auditor <u>and</u> the recommended energy improvements presented by the Certified Auditor as a result of the audit. Work must be performed by a Certified Contractor, or a Trained Contractor under the on-site oversight of a Certified Auditor.</p> <p>An initial energy audit is conducted, which recommends energy conservation measures and includes an overall home energy rating (HERS) index. Qualifying improvements are those that predict a minimum decrease of 25% from an original HERS index of more than 100 or a minimum decrease of 15% from an original HERS index or less than 100.</p> <p>A post construction audit is also conducted.</p> <p><i>Eligible Applicants will receive \$325 towards the cost of the energy audit from Keystone HELP upon completion of the post-construction audit.</i></p> <p><u>Work must be performed by a:</u></p> <ul style="list-style-type: none"> • Certified Contractor or • Trained Contractor under the on-site oversight of a Certified Auditor <p><u>Audit must be performed by a:</u></p> <ul style="list-style-type: none"> • Certified Auditor

Installation Standards:

- All equipment installations and the work of all trades shall be performed in accordance with applicable codes, manufacturers' written instructions and recommendations, industry best practices and standards, and federal, state, and local requirements.
- Installation best practices shall include:
 - The Air Conditioning Contractors of America, "HVAC Quality Installation Specification," Standard Number ANSI/ACCA 5 QI-2007 <http://www.ace1.org/resid/rs-ac/HVACQI/spec.pdf>
 - Technical standards developed by The Building Performance Institute <http://www.bpi.org/content/contractors/standards.php>
 - The American Society for Testing Materials, ASTM E 2112-07, "Standard Practice for Installation of Exterior Windows, Doors, and Skylights," www.astm.org
 - The Energy and Environmental Building Association (EEBA) Builder Guides, www.eeba.org/
 - BPI/RESNET "Standard for Conducting a Comprehensive Home Energy Audit," http://www.resnet.us/bpi/audit_standard/Home_Energy_Audit.pdf
 - The Insulation Contractors Association of America (ICAA), "25 Checkpoints for Inspecting Insulation," <http://www.insulate.org/ckpts.html>
 - "Guide to Sealing and Insulating with ENERGY STAR" http://www.energystar.gov/index.cfm?c=diy_diy_index
- Proper equipment sizing, controls, airflow, and fuel connections must be verified for all combustion appliances.
- Sealed combustion appliances only.
- All indoor solid-fuel burning furnaces must be certified under UL-391, and must be installed by an Approved Contractor with NFI certification.

