

Baltimore Gas and Electric Company (BGE) Residential HVAC Quality Installation

a BGE Smart Energy Savers ProgramSM

Overview for Customers

You try to do everything you can to save energy and improve the comfort of your home, including replacing your old heating and cooling equipment with new, energy-efficient models. But is your heating and cooling equipment performing at its best? Improper installation can reduce system efficiency by up to 30 percent—costing you more on your utility bills and possibly shortening the equipment's life. With BGE's Residential HVAC Quality Installation Program, you can ensure that your equipment is properly installed, and get a \$200 rebate.

Even the best equipment requires proper sizing and installation to achieve peak efficiency and performance. By taking advantage of the Quality Installation Program, you can boost energy savings, improve the comfort of your home, and protect yourself from spending thousands of dollars in premature replacement costs—plus get a \$200 rebate for each A/C system, heat pump, or gas-fired furnace that receives a Quality Installation!

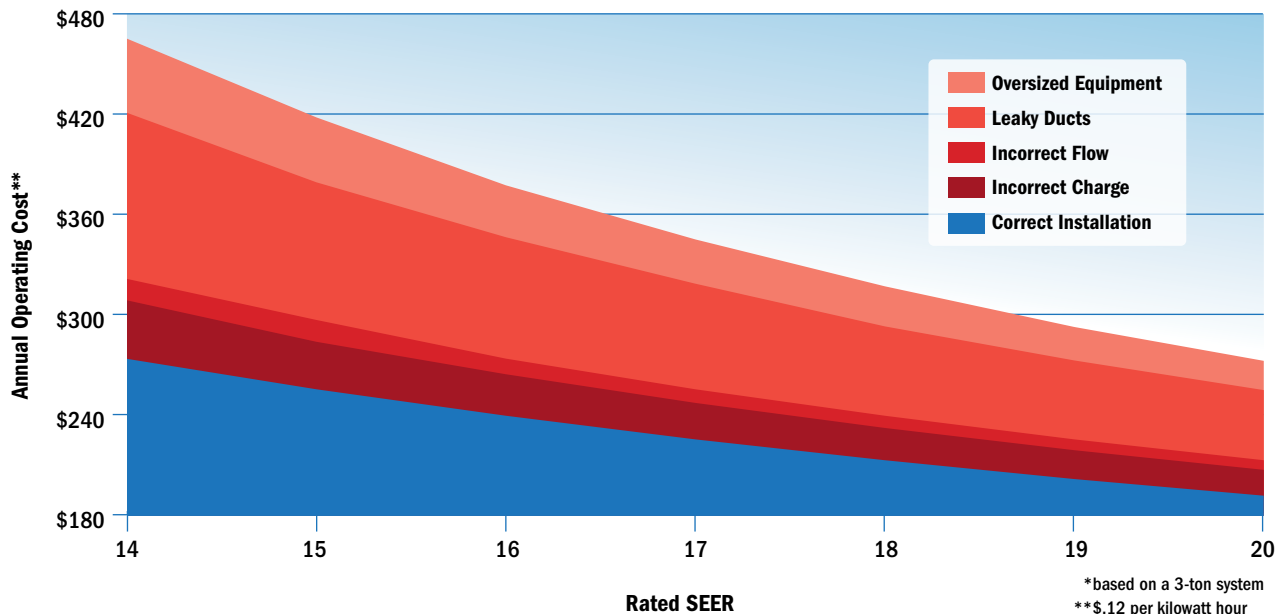
Quality Installation

BGE's Residential HVAC Quality Installation Program

focuses on how heating and cooling equipment is selected and installed. A Quality Installation includes accurate sizing of equipment, proper equipment selection, correct duct distribution design, proper refrigerant charge, and correct airflow. The result is improved comfort, optimal equipment operation, and maximizing the intended energy efficiency of the installed equipment. Quality Installation services also include:

- Measuring airflow across the coil and/or indoor heat exchanger.
- Verifying the proper refrigerant charge.

Impact of Typical HVAC Installation (Usage and Cost)*



*based on a 3-ton system
**\$.12 per kilowatt hour

(SEER refers to the Seasonal Energy Efficiency Rating of heating and cooling equipment. The higher the SEER, the more energy efficient the equipment is.)

- Measuring proper amperage and voltage for the heating and cooling system.
- Verifying the energy efficiency of gas-fired equipment.
- Verifying proper sizing and operation of combustion venting systems.
- Performing carbon monoxide (CO) testing.
- Inspecting and assuring proper operation of all system controls.

Did You Know...?

- The higher the Seasonal Energy Efficiency Rating (SEER) of heating and cooling equipment, the more energy efficient it is. However, equipment must be properly installed to perform at its peak SEER rating.
- Improperly installed heating and cooling equipment degrades the energy efficiency of the installed unit, which can result in increased energy consumption and higher energy bills. For example, an improperly installed 16 SEER A/C system can have a SEER rating as low as 11.5.
- Installing correctly sized equipment for your home is essential to getting the best performance and comfort. A system that is too large will not keep your home comfortable because of frequent “on/off” cycling, and can put stress on system components.
- Improving system airflow to recommended values can reduce residential cooling energy use by an average of 10 percent.
- Field studies in existing homes show that about 35 percent of a system’s cooling capacity is lost from duct leakage.

Collect Your \$200 Rebate

To qualify for the \$200 rebate, your home must be a separately metered, single-family home (detached or attached) located within BGE’s service territory with a gas or electric system. Customers applying for a Central A/C system or Air Source Heat Pump

incentive must receive electricity distribution service from BGE. Customers applying for a Gas Furnace incentive must receive gas distribution service from BGE. This offer is not valid for new construction homes or commercial properties.

Your contractor must be approved by the program prior to the installation, and is required to submit the necessary documentation on your behalf within 30 days of installation. Financial incentives are limited to one rebate per A/C system, heat pump, or gas-fired furnace that receives a Quality Installation. Tell your contractor whether you would like BGE to mail you the rebate or if you would rather the contractor discount your service for the rebate amount. If you choose to have the rebate mailed to you, please allow 6–8 weeks for processing. This is a one-time offer and cannot be renewed. Installations performed prior to October 12, 2009 are not eligible for rebates.

Our Commitment to Quality

Each Rebate Application submitted to the program is evaluated and verified to ensure that the Quality Installation meets the program’s performance standards, which are based on the Air Conditioning Contractors of America (ACCA) HVAC Quality Installation Standard and industry accepted best practices and standards. With our commitment to quality assurance, the BGE Smart Energy Savers ProgramSM provides additional levels of verification for a select percentage of applications, which require onsite inspections and verification of performance tests.

To find a participating contractor or to learn more about other energy-saving programs offered through the BGE Smart Energy Savers ProgramSM go to **BGESmartEnergy.com**, or call **877.685.SESP (7377)**.

This program supports the EmPOWER Maryland Energy Efficiency Act.

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