



Residential HVAC Rebate Program



2009 COOL SMART Offerings

- 1) ENERGY STAR® Quality Installation Verification for SEER 13 and above replacement systems, including systems replaced within the past 3 years, with an Environmental Protection Agency (EPA) certificate and \$100 customer incentive through participating contractors. The EPA requires sizing, duct sealing, and airflow and charge adjustments to specific American National Standards Institute/Air Conditioning Contractors of America (ACCA) standards.
 - a. The duct sealing requirement will be funded through the customer/contractor incentive described below.
 - b. Contractors will receive a \$300 incentive for QIV and advanced airflow measurement (installation of a CO monitor is required).
 - c. If duct modifications (i.e., adding return ducts and/or turning vanes) are needed to meet airflow requirements, contractors may receive an additional \$400 incentive.
- 2) Early Replacement incentives of \$900 total for customers and \$425 for contractors (\$225 for performing both pre- and post-QIV tests on existing equipment with a nominal **9 or 10 SEER only**, \$100 for the required Manual J calculation, and \$100 for the early replacement). New equipment must be SEER 14.5 EER 12.
- 3) A contractor incentive of \$175 to cover the \$100 customer instant credit on a customer's bill for the digital checkup performed in conjunction with the tune-up or repair of an eligible unit or \$175 for system commissioning (w/o credit to customer) provided the unit passes or meets the exception condition (airflow is within acceptable parameters).
- 4) COOL SMART will promote attic duct sealing and provide additional training with incentive of \$2 per CFM of duct leakage reduction, split 50/50 with customer up to \$600. (Note: Duct sealing only saves enough when in spaces outside the thermal envelope.)
- 5) A \$300 customer rebate on central air conditioners and air source heat pumps that meet or exceed the ENERGY STAR standard SEER 14.5, EER 12, and HSPF 8.2.
- 6) A \$400 customer rebate for higher efficiency (SEER 15, EER 12.5 or higher) equipment. (New Federal tax credits may be available for these units as well.)
- 7) A \$500 customer rebate for a SEER of 14.5, EER 12 or greater, and HSPF of 8.2 for split ductless air conditioning or air-to-air heat pump systems with inverter technology
- 8) A \$200 customer incentive and a \$100 contractor incentive when Manual J sizing is completed for 2009 ENERGY STAR (or better) equipment except mini splits.
- 9) A \$500 per ½ ton downsizing incentive split 50/50 between customer and contractor.

Sponsors for Massachusetts and Rhode Island customers:

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COOL SMART • c/o Conservation Services Group
40 Washington Street • Westborough, MA 01581
Web: www.mycoolsmart.com
Phone: 1-800-473-1105 • Fax: 508-836-3181





ENERGY STAR® Quality Installation

The ENERGY STAR QI program blends an industry-accepted set of installation guidelines, based on Air Conditioning Contractors of America (ACCA) QI specifications, with the government's recognized ENERGY STAR label to help consumers identify high-quality installations. In 2009 COOL SMART is offering the ENERGY STAR QI program as another option in addition to QIV for consumers and contractors. To complete an installation that meets this ESQI standard, complete these steps:

Calculate the actual heat gain of the house and size the air conditioner appropriately using ACCA Manual J and Manual S and ACCA guidelines for design temperatures.

Airflow supplied by the fan and carried by the duct system must match the OEM's recommendation, usually 350 to 450 cfm per ton of capacity. Airflow must be measured using tools such as a flow grid or hot wire anemometer. (Note: the split temperature approach of HSAT and *CheckMe!* does not meet the ACCA standard.)

Refrigerant charge is tested and adjusted using superheat for fixed orifice systems and subcooling for TXV systems.

Ducts are first tested with duct blaster or blower door, or ACCA acceptable equivalent, then sealed to allow less than 20% total leakage.

Document your installation in a commissioning report that includes temperatures, pressures and other measurements.

Participating brings benefits to you and your contracting business. Benefits include:

- Listing your ESQI and/or duct sealing services on the COOL SMART website
- Additional significant COOL SMART incentives for you and your customers
- Additional slow season business from sales of duct sealing and duct modifications to save on heating and cooling dollars
- Increased customer and employee satisfaction and reduced call backs
- Company differentiation by capitalizing on customer interest in green savings and proof of quality installation using the ENERGY STAR brand
- Opportunities to sell add-ons or upgrades such as high SEER equipment, replacement furnaces, IAQ products, etc.