



***Energy assessments provide insights on energy usage and a better understanding of how energy dollars are spent.***

### ***Working with our partners***

HCE is currently conducting virtual audits; however, we coordinate with our partners Energy Smart Colorado, CORE, Walking Mountains and CLEER to conduct in-person audits to learn more about your home, provide energy saving tips and rebates.

The Energy Smart Colorado energy assessment is a comprehensive evaluation of a home's performance in energy efficiency, comfort, health and safety. The assessment is conducted by an Energy Smart Colorado building analyst, certified at a minimum through the nationally recognized Building Performance Institute (BPI). On-the-spot installation of energy conservation measures (quick-fix items) and a comprehensive assessment report is generated specific to each building.

The assessment report details the health and safety of a home's combustion appliances, results of diagnostic air-sealing tests, as well as recommended energy improvements and their return on investment, including conservation measures related to air sealing, insulation, lighting, windows and doors, heat tape, HVAC equipment, and appliances.

### ***Residential energy assessments include:***

- Collection of previous 12 months of energy consumption and baseline analysis
- Visual inspection of building envelope features (windows, doors, insulation, ducts) and exterior walls
- Description of heating, cooling and ventilation equipment, characteristics and ages
- Description of appliance and lighting characteristics
- Identification of comfort complaints
- Identification of visible moisture issues
- Identification of visible or detectable health and safety issues
- Inspection of attic areas and crawlspaces or basements when accessible
- Utilization of sensor to check gas appliances for gas leaks
- All accessible gas lines should be checked for leaks as per BPI standards
- Use of thermal scans to highlight air infiltration around electric gaskets, entry door, top plates, can light, fireplaces, and/or windows, and other air leakage locations
- Compliance with ANSI BPI-1200-s-2017 Standard Practice Basic Analysis of Buildings standards for completing an energy audit, including diagnostic testing, infrared imaging, blower door testing, and diagnostic testing including full infrared imaging, and blower door testing
- Compliance with ANSI BPI-1200-s-2017 Standard Practice Basic Analysis of Buildings for Combustion Appliance Zone testing including worst case draft test, flue gas analysis (when possible), gas leak detection, flue pipe inspection



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