

Home Energy Audit

Name _____

Type of Residence: Frame, brick, etc. _____

Year built _____ How many in family living in residence? _____

Floor plan of house: (label each floor)

Conditioned floor area of house (ft²) _____

Orientation of home and landscaping _____

	Type of Insulation	Thickness (in)	Total R factor
Ceiling			
Walls			
Floor			

Windows: single, double, storms, etc. _____

Doors : wood, metal with foam, with storms, etc. _____

Type of hot water heater: gas, electric, other _____

Source used for cooking: gas, electric, other _____

Thermostat setting: Day _____ Night _____

Date	T _{av}	Degree Days*	Gas Reading	Electric Reading

*May be heating or cooling depending on weather.

Total number of degree days _____

CCF of gas used _____ BTU of gas (10⁵ BTU/CCF) _____
 (1 CCF = 100. ft³)

kWh electricity used _____ BTU of electricity (3,413 BTU/kWh) _____

Other energy used _____ BTU of other energy used _____

Total BTU used _____

Energy efficiency of home = $\frac{\text{BTU/ft}^2}{\text{DD}}$ _____

Cost of gas/ccf _____ total cost of gas _____

Cost of electricity / kWh _____ total cost of electricity _____

Cost of other energy _____

Total cost of energy _____

Energy cost of home = $\frac{\text{cents/ft}^2}{\text{DD}}$ _____

Projected cost for a heating or cooling season of 3696 heating degree days or 1700 cooling degree days _____ (Choose one or the other, not both) – show calculation

Specific recommendations for saving energy based on this audit.