

Operating Energy Costs

Residential Annual Energy Costs - Water Heating

Natural Gas vs Heating Oil vs Propane

Annual Energy Cost	Natural Gas	Electric	Propane
Standard Water Heater	\$324	\$476	\$873
High Performance Water Heater	\$278	\$453	\$749
Tankless Water Heater	\$227	\$435	\$612

Natural gas price - \$1.242/therm; Electricity price – 9.8 ¢/kWh; Propane price – \$3.06 /gallon.

Monthly Natural gas price for Residential Customers in Georgia for January 2011. Source: U.S. EIA

Electricity-Average Retail Price for Residential Customers in Georgia for January 2011. Source: U.S. EIA

Monthly Propane Price for Residential Customers in Lower Atlantic region for January 2011. Source: U.S. EIA

Conversion factor of 0.9133 is used to convert price/gallon to price/therm.

Comparable tank models to get first hour rating between 60-80 gallons. Tankless Water Heater >=2.5 gallons per minute over a 77° F rise.

Cost methodology adopted from Gama Certified Efficiency Rating document on water heating equipment.

Energy cost only. Does not include equipment, installation or maintenance cost.

Comparison based on a 2,000 sq. ft home.