



Compare costs to purchase the same amount of heat using different energy sources.

<u>Fuel</u>	<u>Average Price</u> As sold to the public	<u>Price per MMBTU</u> The cost to get the same amount of heat
Natural Gas	\$0.705 per Therm	\$7.05
Electricity	\$0.106 per KWH	\$30.95
Propane	\$3.190 per Gallon	\$34.75
Kerosene	\$8.999 per Gallon	\$66.66
Gasoline	\$2.799 per Gallon	\$22.39
Coal	\$96.23 per Ton	\$4.18

Annual Operating Costs of Typical Household Appliances



Water Heater	Average Energy Use	Operating Cost
Natural Gas	277 Therms	\$195.29
Electric	5,670 KWH	\$598.98

Annual Savings using Gas
\$403.69

Over the projected 13-year life of the water heater that adds up to a savings of \$5,248.02



Range	Average Energy Use	Operating Cost
Natural Gas	42 Therms	\$29.61
Electric	1,200 KWH	\$126.77

Annual Savings using Gas
\$97.16

Natural gas is cleaner & more efficient to use directly for cooking than electricity is.



Clothes Dryer	Average Energy Use	Operating Cost
Natural Gas	40 Therms	\$28.20
Electric	1,000 KWH	\$105.64

Annual Savings using Gas
\$77.44

Average household does 270-280 loads of laundry per year. Cost per load: Natural Gas \$0.10 vs. Electric \$0.38

OTHER Natural Gas Appliances

		Operating Cost
Logs & Inserts	120-360 Therms	\$85 - \$254 based on 600-hours per year
Space Heaters	240-480 Therms	\$169 - \$338 avg. 800-hours of heating
Gas Lights	144-216 Therms	\$102 - \$152 year-round appliance
Gas Grills	20 Therms	\$14 less than 600-hours per year

Source of Fuel Price Data:	Monthly Customer Charges
Natural Gas: MTNG November 2024 Rates w/ 100 Therms Monthly Usage	\$8
Electricity: Caney Fork Electric Cooperative November 2024 Residential Rates	\$30.46
Propane: Tractor Supply Company, Smithville, TN 11/1/2024	
Kerosene: Mapco, Smithville, TN 11/1/2024	
Gasoline: Mapco, Smithville, TN 11/1/2024	
Coal: EIA Annual Coal Report 10/30/24	

NOTE: These charges are not included in fuel cost comparison calculations.