

MTNG


Fuel Cost Comparison

Feb-25

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	\$0.850 per Therm	\$8.50
Electricity	\$0.108 per KWH	\$31.64
Propane	\$3.690 per Gallon	\$40.20
Kerosene	\$8.999 per Gallon	\$66.66
Gasoline	\$2.699 per Gallon	\$21.59
Coal	\$96.23 per Ton	\$4.18

Annual Operating Costs of Typical Household Appliances



Water Heater

Average Energy Use
Operating Cost
Annual Savings using Gas
Natural Gas
277 Therms
\$235.45
\$376.74
Electric
5,670 KWH
\$612.19

Over the projected 13-year life of the water heater that adds up to a savings of \$4,897.62



Range

Average Energy Use
Operating Cost
Annual Savings using Gas
Natural Gas
42 Therms
\$35.70
\$93.86
Electric
1,200 KWH
\$129.56

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



Clothes Dryer

Average Energy Use
Operating Cost
Annual Savings using Gas
Natural Gas
40 Therms
\$34.00
\$73.97
Electric
1,000 KWH
\$107.97

Average household does 270-280 loads of laundry per year. Cost per load: Natural Gas \$0.12 vs. Electric \$0.39

OTHER Natural Gas Appliances

Operating Cost

Logs & Inserts	120-360 Therms	\$102 - \$306	based on 600-hours per year
Space Heaters	240-480 Therms	\$204 - \$408	avg. 800-hours of heating
Gas Lights	144-216 Therms	\$122 - \$184	year-round appliance
Gas Grills	20 Therms	\$17	less than 600-hours per year

Source of Fuel Price Data:

Natural Gas: MTNG February 2025 Rates w/ 100 Therms Monthly Usage
 Electricity: Caney Fork Electric Cooperative February 2025 Residential Rates
 Propane: Tractor Supply Company, Smithville, TN 2/3/2025
 Kerosene: Mapco, Smithville, TN 2/3/2025
 Gasoline: Mapco, Smithville, TN 2/3/2025
 Coal: EIA Annual Coal Report 10/30/24

Monthly Customer Charges

\$8

\$30.46

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