

**Comparison of Energy Rates: Subject to Energy Price Change!**

Annual cost to provide Heat & Hot Water for a typical single family Home

This comparison is based on using 1200 gallons of fuel oil per year. Adjust numbers proportionally for your consumption.

Energy Costs on 1-15-2012 in Homer City and Kachemak City Alaska

**Residential Rates**

Source	Unit	Average \$ Per Unit	BTU per Unit	AFUE Equipment Efficiency	Net BTU per Unit	Annual Units	CO2 # per Year	Annual Cost	Average Per Month Cost
Electricity	KWH	0.1844524	3,412	100	3,412	38,114	50,978	\$ 7,030	\$ 586
Propane	Gallon	4.79	92,000	82	75,440	1,768	29,929	\$ 8,469	\$ 706
#1 Fuel Oil	Gallon	3.83	135,500	82	111,110	1,200	34,796	\$ 4,596	\$ 383
*For Comparison: Residential Natural Gas Rate Anticipated for Homer City and Kachemak City (Enstar G1 Rate + \$1 per MCF)									
Natural Gas	CCF	1.01578	103,000	82	84,460	1,578	24,868	\$ 1,603	\$ 134

Sales Taxes not included

Each source will vary with market prices.

Electricity & Natural Gas prices include monthly customer charge.

#1 Fuel Oil is Jet A (low sulfur)

Fuels priced at typical delivery quantities

Note: Combustion equipment efficiency can vary widely. A constant 82% efficiency is used to enable a base comparison between fuels and electricity. Many gas and oil fired units function at higher efficiencies.

KWH=Kilowatt Hours

AFUE= Annual Fuel Utilization efficiency

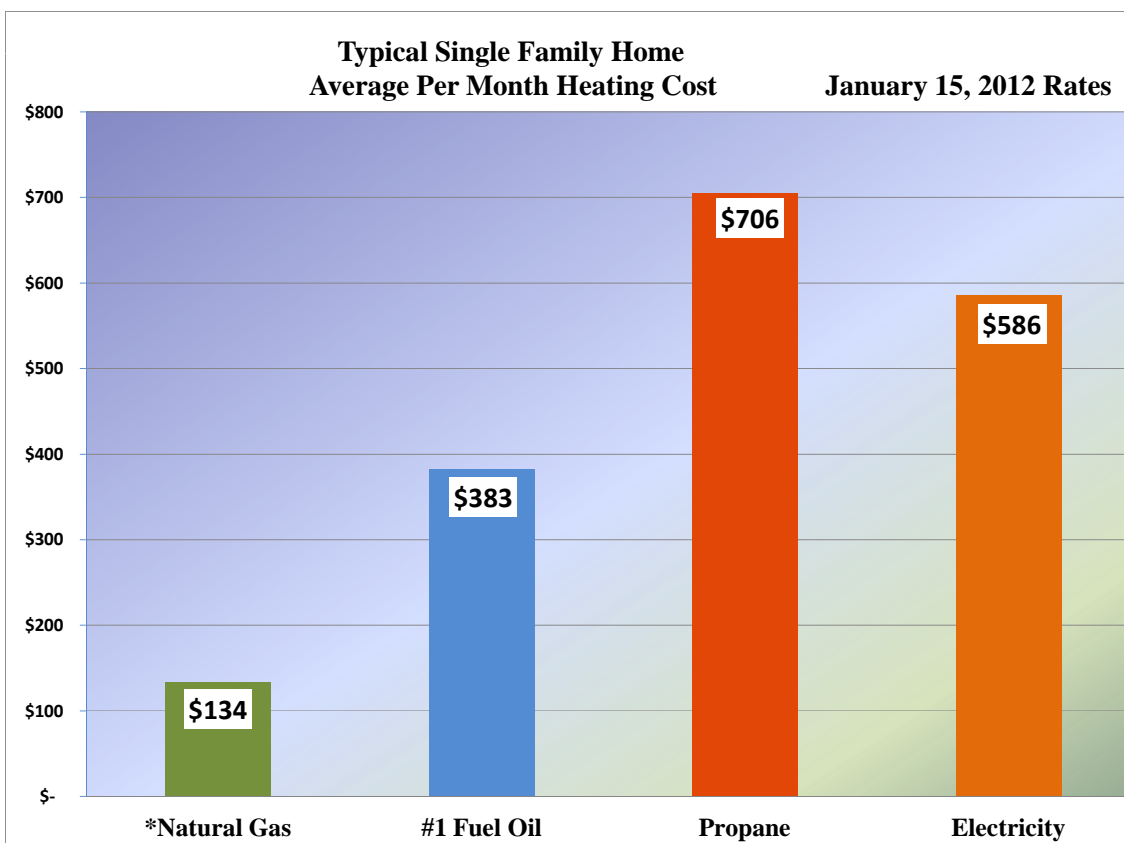
BTU= British Thermal Unit (Amount of heat needed to raise 1 pound of water 1 degree farenheit)

CO2= Carbon dioxide

CCF= Hundred Cubic Feet

This energy cost comparison is also valid for small commercial users

Prepared by Bill Smith



\*For Comparison: Residential Natural Gas Rate Anticipated for Homer City and Kachemak City (Enstar G1 Rate + \$1 per MCF)