

Energy Conversion Factors

(Natural Gas)

1 CF (Cubic Foot)	= Approx. 1,000 BTU
1 CCF	= 100 CF = 1 Therm
1 MCF	= 1,000 CF
1 Therm	= 100,000 BTU
1 MBH	= 1,000 BTU/HR
1 Boiler HP	= 42 CFH
1 HP	= 746 Watts
1 DEKATHERM	= 10 THERMS = 1000 CF

Comparative Thermal Values

(Other Fuels)

Propane	1 Gallon = 91,600 BTU
#2 Fuel Oil	1 Gallon = 139,000 BTU
#6 Fuel Oil	1 Gallon = 150,000 BTU
Electric	1 kwhr = 3,412 BTU
Wood Pellets	40# Bag = 360,000 BTU

Fuel Price Equivalence

\$1.10/Therm (Natural Gas)	= \$1.01/gal (Propane)
$(0.916) \times (\text{Price } (\$/\text{Therm}))$ (Natural Gas)	= $(\text{Price } (\$/\text{gal.}))$ (Propane)
One Gallon L.P.	= 36.5 Cu Ft. Natural Gas
\$1.10/Therm (Natural Gas)	= (\$3.96/40# Bag) (Wood Pellets)
$(3.6) \times (\text{Price } (\$/\text{Therm}))$ (Natural Gas)	= $(\text{Price } (\$/40\# \text{ Bag}))$ (Wood Pellets)
\$1.10/Therm (Natural Gas)	= (\$1.53/gal.) (#2 Fuel Oil)
$(1.39) \times (\text{Price } (\$/\text{Therm}))$ (Natural Gas)	= $(\text{Price } (\$/\text{gal.}))$ (#2 Fuel Oil)
\$1.10/Therm	= \$0.038/kwhr Electric
$(.03412) \times (\text{price } \$/\text{therm})$ (Natural Gas)	= price \$/kwhr (Electric)

Revised: 03/10