ENERGY COST CALCULATOR

Enter the Appliance Btu input Rating in Column B
Enter the Unit Price of each fuel type in Column E
Enter the Heat Efficiency for the appliance in Column G

Fuel Type	Appliance Btu Input per /hour	BTU'S	Per Unit	Unit Price *		Heat Conversion Efficiency	%	Heat COST PER 10,000 BTU	Cost Per Hour
Kerosene	100000	134,000	BTU/gal	$4.0000	/gal	85	%	$0.35	$3.51
#2 Fuel Oil	100000	138,000	BTU/gal	$2.4000	/gal	80	%	$0.22	$2.17
Propane Furnace	100000	91,547	BTU/gal	$1.5700	/gal	92	%	$0.19	$1.86
Propane Water Heat	40000	91,547	BTU/gal	$1.7690	/gal	85	%	$0.23	$0.91
Propane Range	45000	91,547	BTU/gal	$1.7690	/gal	85	%	$0.23	$1.02
Propane Dryer	35000	91,547	BTU/gal	$1.7690	/gal	90	%	$0.21	$0.75
Natural Gas Furnace	100000	100,000	BTU/therm	$0.9800	/therm**	92	%	$0.11	$1.07
Natural Gas Water heat	100000	100,000	BTU/therm	$1.0210	/therm**	92	%	$0.11	$1.11
Natural Gas Range	100000	100,000	BTU/therm	$1.0210	/therm**	92	%	$0.11	$1.11
Natural Gas Dryer	100000	100,000	BTU/therm	$1.0210	/therm**	92	%	$0.11	$1.11
***Electric Furnace	100000	3,412	BTU/kWh	$0.1300	/kWh***	100	%	$0.38	$3.81
Electric Water Heater	40000	3,412	BTU/kWh	$0.0977	/kWh***	100	%	$0.29	$1.14
Electric Range	45000	3,412	BTU/kWh	$0.0800	/kWh***	100	%	$0.23	$1.06
Electric Dryer	35000	3,412	BTU/kWh	$0.0977	/kWh***	100	%	$0.29	$1.00
Coal	100000	13,200	BTU/lb	$165.0000	/ton	75	%	$0.08	$0.83
Firewood-Hardwood	100000	24,000,000	BTU/cord	$110.0000	/cord	60	%	$0.08	$0.76
Wood Pellets	100000	8,200	BTU/lb	$220.0000	/ton	80	%	$0.17	$1.68
Shelled Corn	100000	6,800	BTU/lb	$3.2000	/bushel	75	%	$0.11	$1.12

***Unit Price should be figured by taking the total cost from your bill divided by the total units.**

**Enter the price of natural gas as the price per therm. If your price for natural gas is based on $ per 1,000

** Enter the price of electricity in dollars per kwh.

*** Furnace may be rated KWH. If that is the case multiply KHW by 3412 to get appliance input per hour.