

Type of Fuel or Energy	Average Heating Value (Net or LHV)		Billing Units	Cost Comparisons Based On Heating Values									
				\$0.25	\$0.50	\$0.75	\$1.00	\$1.25	\$1.50	\$1.75	\$2.00	\$2.50	
NO. 2 FUEL OIL	Btu/gal	132,000	Per Gallon	\$2.75	\$3.00	\$3.50	\$3.75	\$4.00	\$4.50	\$5.00	\$5.25	\$5.50	
				\$0.25	\$0.50	\$0.75	\$1.00	\$1.25	\$1.50	\$1.75	\$2.00	\$2.50	
NO. 5 FUEL OIL	Btu/gal	143,250	Per Gallon	\$2.98	\$3.26	\$3.80	\$4.07	\$4.34	\$4.88	\$5.43	\$5.70	\$5.97	
				\$0.27	\$0.54	\$0.81	\$1.09	\$1.36	\$1.63	\$1.90	\$2.17	\$2.71	
PROPANE (LPG)	Btu/gal	84,345	Per Gallon	\$1.76	\$1.92	\$2.24	\$2.40	\$2.56	\$2.88	\$3.19	\$3.35	\$3.51	
				\$0.16	\$0.32	\$0.48	\$0.64	\$0.80	\$0.96	\$1.12	\$1.28	\$1.60	
NATURAL GAS	Btu/CCF (See note*)	90,500	Per CCF	\$1.89	\$2.06	\$2.40	\$2.57	\$2.74	\$3.09	\$3.43	\$3.60	\$3.77	
				\$0.17	\$0.34	\$0.51	\$0.69	\$0.86	\$1.03	\$1.20	\$1.37	\$1.71	
	Btu/Therm	100,000	Per Therm	\$2.08	\$2.27	\$2.65	\$2.84	\$3.03	\$3.41	\$3.79	\$3.98	\$4.17	
				\$0.19	\$0.38	\$0.57	\$0.76	\$0.95	\$1.14	\$1.33	\$1.52	\$1.89	
COAL	Btu/pound	12,000	Per Ton	\$500	\$545	\$636	\$682	\$727	\$818	\$909	\$955	\$1,000	
				\$45	\$91	\$136	\$182	\$227	\$273	\$318	\$364	\$455	
ELECTRICITY	Btu/Kwh	3,413	Per Kwh	\$0.07	\$0.08	\$0.09	\$0.10	\$0.10	\$0.12	\$0.13	\$0.14	\$0.14	
				\$0.01	\$0.01	\$0.02	\$0.03	\$0.03	\$0.04	\$0.05	\$0.05	\$0.06	

EQUIVALENT FUEL COSTS

This table compares fuel costs based on heating values. It also includes costs of electrical energy. Use it to identify which energy sources are the most economical at a particular period of time. This is useful to know if you have the ability to switch from one source to another.

Each *column* of cost comparisons relates the costs of one type of fuel or energy to another.

Two *rows* of costs are shown for each fuel or energy. The second row is actually a continuation of the first row. Rows are color coded for ease of use. Be sure to match costs from rows of the same color.

As an example, consider the cost of No. 2 fuel oil at \$3.00 per gallon. This is equivalent to a cost of \$3.26 for No. 5 fuel oil for the same Btu. Thus, if No. 2 fuel oil is \$3.00 per gallon it wouldn't pay to use No. 5 fuel oil unless it is *less* than \$3.26.

Likewise, it wouldn't pay to use electricity unless it is *less* than \$0.08 per Kwh when No. 2 fuel oil is \$3.00 per gallon.

The actual heating values of various fuels vary somewhat from one region to another. However, the values used here are averages for fuels commonly used in the U.S.

*Note: CCF stands for 100 cubic feet. The net heating value of one cubic foot of natural gas is 905 Btu. However, natural gas is normally billed at its gross heating value, which is approximately 1,000 Btu per cubic foot.

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