Heating Bill Comparison



The *right* heating alternative.

A 2,000 ft² home in Michigan uses nearly 85.3 million BTU of heat (MBtu) per winter. The annual heating bill is calculated as such:

H = annual heating bill in dollars

A = fuel price

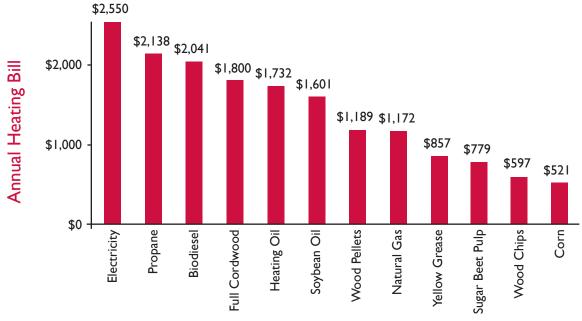
B = heat content of fuel

1 = 85.3 A

C = furnace efficiency factor

Fuel	Α	В	С	Н
Electricity	\$0.102 / kWh	0.00341 MBtu / kWh	I	\$2,550
Propane	\$1.95 / gal	0.0915 MBtu / gal	0.85	\$2,138
Biodiesel	\$2.55 / gal	0.13 MBtu / gal	0.82	\$2,041
Full Cordwood	\$140 / full cord	26.52 MBtu / full cord	0.25	\$1,800
Heating Oil	\$2.33 / gal	0.1399 MBtu / gal	0.82	\$1,732
Soybean Oil	\$2.00 / gal	0.13 MBtu / gal	0.82	\$1,601
Wood Pellets	\$175 / ton	I5.3 MBtu / ton	0.82	\$1,189
Natural Gas	\$12 / kcf*	1.0265 MBtu / kcf	0.85	\$1,172
Yellow Grease	\$1.07 / gal	0.13 MBtu / gal	0.82	\$857
Sugar Beet Pulp	\$100 / ton	13.34 MBtu / ton	0.82	\$779
Wood Chips	\$50 / ton	10.2 MBtu / ton	0.7	\$597
Corn	\$1.91 / bu	0.3809 MBtu / bu	0.82	\$521

^{*} kcf = thousand cubic feet



Date: July 18, 2006

Source: C.H. Schilling, Ph.D., Department of Mechanical Engineering, Saginaw Valley State University, University Center, Michigan 48710; phone: (989) 964-2601; email: schillin@svsu.edu