

Table 5.1 Energy Value of Common Sources

Type of Energy	Unit of Measure	Conventional Unit, Btu	IS Unit, kcal
Electricity	Kilowatt-hour (kwh)	3,413	860
Gasoline	Gallon (gal)	128,000	32,000
Fuel oil (No.2)	Gallon (gal)	140,000	35,000
Residual oil (NO.6)	Gallon (gal)	147,000	37,000
Natural Gas	Cubic feet (cf)	1000	250
	Therms (tm)	100,000	25,000
Liquid petroleum gas (butane)	Gallon (gal)	102,600	26,600
Liquid petroleum gas (propane)	Gallon (gal)	93,000	23,300
	Cubic feet (cf)	2,500	625
Steam (at 14.7 psia)	Pound (lb)	1,150	290
Steam (at 200 psia)	Pound (lb)	1,200	300
Coal (average)	Pound (lb)	10,000	2,500
Wood (12% moisture)	Pound (lb)	8,000	2000

Btu = British thermal unit; kcal = kilocalorie. Energy values shown in the table may vary with source