

Energy Conversion Factors

Energy Type	BTU/BARREL	BTU/GALLON
CRUDE OIL	5,855,795	139,424
MOTOR GASOLINE	5,250,000	125,000
AVIATION GASOLINE	5,005,224	119,172
JET FUEL	5,434,926	129,403
L.P.G.	4,054,470	96,535
PROPANE	3,836,000	91,333
ETHANE	3,082,000	73,381
BUTANE	4,326,000	103,000
KEROSENE	5,670,000	135,000
#1 DISTILLATE	5,706,000	135,857
#2 DISTILLATE	5,825,000	138,690
#4 DISTILLATE	6,062,000	144,333
RESIDUAL OIL	6,287,000	149,690
	BTU/TON	BTU/POUND
ANTHRACITE COAL	25,400,000	12,700
BITUMINOUS COAL	23,750,000	11,875
	BTU/KWH	
ELECTRICITY (END-USERS)	3,412	
ELECTRICITY (GENERATION)	10,908	
	BTU/CUBIC FOOT	
NATURAL GAS	1,031	
	BTU/CORD	
WOOD (OAK)	22,750,000	
WOOD (MAPLE)	21,850,000	
		BTU/POUND
REFUSE DERIVED FUEL (GOOD)		7,200
REFUSE DERIVED FUEL (AVERAGE MASS BURN)		5,500

- 1 BARREL = 42 GALLONS
- 1 BARREL OF CRUDE OIL = 0.150 SHORT TONS = 0.136 METRIC TONS
- 1 SHORT TON = 2,000 POUNDS = 6.65 BARRELS OF CRUDE OIL
- 1 METRIC TON = 2,204.62 POUNDS = 7.33 BARRELS OF CRUDE OIL
- 1 METRIC TON OF GASOLINE = 345 GALLONS
- 1 METRIC TON OF HEATING OIL = 312 GALLONS
- 1 METRIC TON OF RESIDUAL OIL = 6.5 BARRELS
- 1 CCF = 100 CUBIC FEET
- 1 MCF = 1,000 CUBIC FEET
- 1 THERM = 100,000 BTU = APPROX. 100 CUBIC FEET OF NATURAL GAS