

Energy Content - Biofuels

Bio Fuel	Energy Content (kJ/kg)	Energy Content (Btu/lb)
Charcoal	30,000	12,900
Coal	28,000	12,040
Commercial Wastes	16,000	6,880
Domestic Refuse	9,000	3,870
Dried Dung	16,000	6,880
Fresh Grass	4,000	1,720
Methane from Biogas	55,000	23,650
Paper	17,000	7,310
Baled Straw	15,000	6,450
Sugar Cane Residues	17,000	7,310
Palm Oil Mill Waste	16,500	7,095
Green Wood (60% moisture)	6,000	2,580
Air-Dried Wood (<20% moisture)	15,000	6,450
Oven-Dried Wood (0% moisture)	18,000	7,740
Diesel Oil (for comparison purposes)	42,000	18,060