

Note	Energy	Grade	Unit of Meas	BTU's per Unit	mmBtu unit equivalent	GGE (Gasoline gallon equivalent)	Octane/Centane Rating	Pour Point ° F	Cloud Point	CFPP	Evapor Point ° F	Flash Point ° F	API Gravity	Specific Gravity	US Thermal Coefficient	lbs./gal @60°F @ 1 Atmosphere
1	Natural Gas	Atmospheric (CH4)	mmBtu	1,000,000	1.00						-263 °F	-250 °F		0.66 kg/m³		
	Natural Gas	Atmospheric (CH4)	CCF	95,000	0.10			n/a			-263 °F	-250 °F		0.3		n/a
	Natural Gas	CNG	CCF	95,000	0.10	126.67 cu ft.					-263 °F	-250 °F		0.41 kg/L to 0.5 kg/L		
	Natural Gas	CNG	GGE	95,000	0.10	126.67 cu ft.					-263 °F	-250 °F				
	Natural Gas	LNG	Gallon	75,000	0.08	1.52					-263 °F	-250 °F				4.1727
	Propane	HD5 (C3H8)	Gallon	91,690	0.09		100	n/a			-43 °F	-156 °F		0.51	0.00132	4.2400
	Butane	(C4H10)	Gallon	102,400	0.10		92	n/a			32 °F			0.58		4.8100
	Kerosene	ULSK	Gallon	127,856	0.13			-40 °F	-35 °F	-22 °F	310 °F	108 °F	43.6		0.00050	6.7542
	Kerosene	Jet A\ K1	Gallon	127,856	0.13			-40 °F	-35 °F	-22 °F	310 °F	108 °F	43.6		0.00050	6.7542
	Diesel	blends vary	Gallon	132,000	0.13	0.88	46	-18 °F	18 °F	5 °F	340 °F	125 °F	33.4		0.00045	7.0340
	Fuel Oil	**	Gallon	138,600	0.14	0.80		-20 °F	17 °F	10 °F	340 °F	145 °F			0.00045	7.1630
	BioFuel B100	ASTM D6751	Gallon	125,000	0.13		45	32 °F	45 °F	45 °F		300 °F				7.3500
	#4 Fuel Oil	n/a	Gallon	145,000	0.15			30 °F			420 °F	140 °F			0.00047	
	#6 Fuel Oil	n/a	Gallon	150,000	0.15			60 °F			500 °F	140 °F				
	Gasoline	87 Octane	Gallon	105,000	0.11		87				70-350	-45 °F	58.5		0.00070	6.2000
	Gasoline	89 Octane	Gallon	110,200	0.11	1.00	89					-45 °F	58.3		0.00070	6.2100
	Gasoline	92 Octane	Gallon	115,000	0.12		92					-45 °F	52.2		0.00070	6.4130
	Gasoline E10	87 Octane	Gallon	101,850	0.10		87				70-350	-45 °F	58.5		0.00070	6.2000
	Gasoline E10	89 Octane	Gallon	106,894	0.11		89					-45 °F	58.3		0.00070	6.2100
	Gasoline E10	92 Octane	Gallon	111,550	0.11		92					-45 °F	52.2		0.00070	6.4130
	Coal	Anthracite	lbs.	15,300	0.02			n/a			n/a	n/a	n/a			n/a
	Coal	Anthracite	Ton	30,600,000	30.60			n/a			n/a	n/a	n/a			n/a
	Coal	Bituminous	lbs.	10,500	0.01			n/a			n/a	n/a	n/a			n/a
	Coal	Bituminous	Ton	21,000,000	21.00			n/a			n/a	n/a	n/a			n/a
	Wood Pellets	Premium	lbs.	8,200	0.01			n/a			n/a	n/a	n/a			n/a
	Wood Pellets	Premium	Ton	16,400,000	16.40			n/a			n/a	n/a	n/a			n/a
2	Wood	Green 50% MC	Ton	6,600,000	6.60											
	Wood	SemiDry 30%MC	Ton	12,040,000	12.04											
	Wood	Air-dry 20%MC	Ton	13,760,000	13.76											
	Wood	Air-dry Maple/Oak 20%MC	Cord	24,000,000	24.00											
	Wood	Kiln Dry 0%MC	Ton	17,200,000	17.20											
	Wood	SoftKilnDry 13%MC	Ton	15,824,000	15.82											
	Wood	HardKilnDry 8%MC	Ton	15,996,000	16.00											
	Corn	Shelled 15%MC	BU	392,000	0.39											
Special Note: These are figures that I've gathered over years to try to have a quick reference point for key energy data. There may be mistakes, so please check to confirm your number																
	Prepared by	Serving as:														
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1	See Reference Data Tab for unit data															

2	See Wood BTU's tab for more detail														
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Gaseous Cubic Feet per Gallon
(at -256°F)
36.39
31.26
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