

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 Coeffic	lbs./gal @60°F @ 1 Atmosphere	Gaseous Cubic Feet per Gallon	Price Date	
1	Natural Gas	Atmospheric (CH4)	mmBtu	1,000,000	1.00						-263 °F	-250 °F		0.66 kg/m <sup>3</sup>					
	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	(at -256°F)		
	Propane	HD5 (C3H8)	Gallon	91,690	0.09		100	n/a			-43 °F	-156 °F		0.51	0.00132	4.2400	36.39		
	Butane	(C4H10)	Gallon	102,400	0.10		92	n/a			32 °F			0.58		4.8100	31.26		
	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	AirDry 20%MC	Ton	13,760,000	13.76														
	Wood	AirDry Maple/Oak 2	Cord	24,000,000	24.00														
	Wood	KilnDry 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														
	Prepared by																		
	<b>Sean Cota</b>																		
	Partner, Lake Rudd & Company																		
	www.lakerudd.com																		
	sean.cota@lakerudd.com																		
	Serving as:																		
	Past Chairman, Petroleum Marketers of America Assoc. (PMAA)																		
	National Association For Oilheat Research **and** Education (NAORE)																		
	National Oilheat Research Alliance (NORA)																		
	Commodity Futures Trading Commission (CFTC): Member of the Energy and Environment Markets Advisory Committee																		
	New England Fuel Institute (NEFI) Past President. Cota & Cota, Inc. Heating Fuels, Past President																		
	Washington DC office:																		
	145 Fleet Street, Suite 114																		
	National Harbor MD 20745																		
	Cell/Voicemail: 802.380.1571																		
	95 Chestnut Street 4th Floor																		
	Providence RI 02903																		
1	See Reference Data Tab for unit data																		
2	See Wood BTU's tab for more detail																		

NYMEX Price If Relivant	Local Retail Price	\$/mmBtu NYMEX	\$/mmBtu Local Retail Price
\$4.00	\$19.40	\$4.00	\$19.40
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
	\$2.50	\$0.00	\$27.27
		\$0.00	\$0.00
	\$4.00	\$0.00	\$31.29
		\$0.00	\$0.00
		\$0.00	\$0.00
\$3.00	\$3.50	\$21.65	\$25.25
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
	\$275.00	\$0.00	\$8.99
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
	\$200.00	\$0.00	\$8.33
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
\$7.50		\$19.13	\$0.00
o confirm your numbers			