

Fuel Type	Fuel code	HHV mmBtu per unit	unit	kg CO ₂ per mmBtu	g CH ₄ per mmBtu	g N ₂ O per mmBtu	kg CO ₂ per unit	unit	g CH ₄ per unit	unit	g N ₂ O per unit	unit
Coal and Coke	Anthracite	25.09	ton	103.69	11	1.6	2,602	ton	276	ton	40	ton
Coal and Coke	Bituminous	24.93	ton	93.28	11	1.6	2,325	ton	274	ton	40	ton
Coal and Coke	Sub-bituminous	17.25	ton	97.17	11	1.6	1,676	ton	190	ton	28	ton
Coal and Coke	Lignite	14.21	ton	97.72	11	1.6	1,389	ton	156	ton	23	ton
Coal and Coke	Mixed (Commercial Sector)	21.39	ton	94.27	11	1.6	2,016	ton	235	ton	34	ton
Coal and Coke	Mixed (Electric Power Sector)	19.73	ton	95.52	11	1.6	1,885	ton	217	ton	32	ton
Coal and Coke	Mixed (Industrial Coking)	26.28	ton	93.90	11	1.6	2,468	ton	289	ton	42	ton
Coal and Coke	Mixed (Industrial Sector)	22.35	ton	94.67	11	1.6	2,116	ton	246	ton	36	ton
Coal and Coke	Coal Coke	24.80	ton	113.67	11	1.6	2,819	ton	273	ton	40	ton
Other Fuels - Solid	Municipal Solid Waste	9.95	ton	90.70	32	4.2	902	ton	318	ton	42	ton
Other Fuels - Solid	Petroleum Coke (Solid)	30.00	ton	102.41	32	4.2	3,072	ton	960	ton	126	ton
Other Fuels - Solid	Plastics	38.00	ton	75.00	32	4.2	2,850	ton	1,216	ton	160	ton
Other Fuels - Solid	Tires	28.00	ton	85.97	32	4.2	2,407	ton	896	ton	118	ton
Biomass Fuels - Solid	Agricultural Byproducts	8.25	ton	118.17	32	4.2	975	ton	264	ton	35	ton
Biomass Fuels - Solid	Peat	8.00	ton	111.84	32	4.2	895	ton	256	ton	34	ton
Biomass Fuels - Solid	Solid Byproducts	10.39	ton	105.51	32	4.2	1,096	ton	332	ton	44	ton
Biomass Fuels - Solid	Wood and Wood Residuals	17.48	ton	93.80	7.2	3.6	1,640	ton	126	ton	63	ton
Natural Gas	Natural Gas	0.001026	scf	53.06	1.0	0.10	0.05444	scf	0.00103	scf	0.00010	scf
Other Gaseous Fuels	Blast Furnace Gas	0.000092	scf	274.32	0.022	0.10	0.02524	scf	0.000002	scf	0.000009	scf
Other Gaseous Fuels	Coke Oven Gas	0.000599	scf	46.85	0.48	0.10	0.02806	scf	0.000288	scf	0.000060	scf
Other Gaseous Fuels	Fuel Gas	0.001388	scf	59.00	3.0	0.60	0.08189	scf	0.004164	scf	0.000833	scf
Other Gaseous Fuels	Propane Gas	0.002516	scf	61.46	3.0	0.60	0.15463	scf	0.007548	scf	0.001510	scf
Other Gaseous Fuels	Landfill Gas	0.000485	scf	52.07	3.2	0.63	0.025254	scf	0.001552	scf	0.000306	scf
Other Gaseous Fuels	Other Biomass Gases	0.000655	scf	52.07	3.2	0.63	0.034106	scf	0.002096	scf	0.000413	scf
Petroleum Products	Asphalt and Road Oil	0.158	gallon	75.36	3.0	0.60	11.91	gallon	0.47	gallon	0.09	gallon

Petroleum Products	Aviation Gasoline	0.120	gallon	69.25	3.0	0.60	8.31	gallon	0.36	gallon	0.07	gallon
Petroleum Products	Butane	0.103	gallon	64.77	3.0	0.60	6.67	gallon	0.31	gallon	0.06	gallon
Petroleum Products	Butylene	0.105	gallon	68.72	3.0	0.60	7.22	gallon	0.32	gallon	0.06	gallon
Petroleum Products	Crude Oil	0.138	gallon	74.54	3.0	0.60	10.29	gallon	0.41	gallon	0.08	gallon
Petroleum Products	Distillate Fuel Oil No. 1	0.139	gallon	73.25	3.0	0.60	10.18	gallon	0.42	gallon	0.08	gallon
Petroleum Products	Distillate Fuel Oil No. 2	0.138	gallon	73.96	3.0	0.60	10.21	gallon	0.41	gallon	0.08	gallon
Petroleum Products	Distillate Fuel Oil No. 4	0.146	gallon	75.04	3.0	0.60	10.96	gallon	0.44	gallon	0.09	gallon
Petroleum Products	Ethane	0.068	gallon	59.60	3.0	0.60	4.05	gallon	0.20	gallon	0.04	gallon
Petroleum Products	Ethylene	0.058	gallon	65.96	3.0	0.60	3.83	gallon	0.17	gallon	0.03	gallon
Petroleum Products	Heavy Gas Oils	0.148	gallon	74.92	3.0	0.60	11.09	gallon	0.44	gallon	0.09	gallon
Petroleum Products	Isobutane	0.099	gallon	64.94	3.0	0.60	6.43	gallon	0.30	gallon	0.06	gallon
Petroleum Products	Isobutylene	0.103	gallon	68.86	3.0	0.60	7.09	gallon	0.31	gallon	0.06	gallon
Petroleum Products	Kerosene	0.135	gallon	75.20	3.0	0.60	10.15	gallon	0.41	gallon	0.08	gallon
Petroleum Products	Kerosene-Type Jet Fuel	0.135	gallon	72.22	3.0	0.60	9.75	gallon	0.41	gallon	0.08	gallon
Petroleum Products	Liquefied Petroleum Gases (LPG)	0.092	gallon	61.71	3.0	0.60	5.68	gallon	0.28	gallon	0.06	gallon
Petroleum Products	Lubricants	0.144	gallon	74.27	3.0	0.60	10.69	gallon	0.43	gallon	0.09	gallon
Petroleum Products	Motor Gasoline	0.125	gallon	70.22	3.0	0.60	8.78	gallon	0.38	gallon	0.08	gallon
Petroleum Products	Naphtha (<401 deg F)	0.125	gallon	68.02	3.0	0.60	8.50	gallon	0.38	gallon	0.08	gallon
Petroleum Products	Natural Gasoline	0.110	gallon	66.88	3.0	0.60	7.36	gallon	0.33	gallon	0.07	gallon
Petroleum Products	Other Oil (>401 deg F)	0.139	gallon	76.22	3.0	0.60	10.59	gallon	0.42	gallon	0.08	gallon
Petroleum Products	Pentanes Plus	0.110	gallon	70.02	3.0	0.60	7.70	gallon	0.33	gallon	0.07	gallon
Petroleum Products	Petrochemical Feedstocks	0.125	gallon	71.02	3.0	0.60	8.88	gallon	0.38	gallon	0.08	gallon
Petroleum Products	Propane	0.091	gallon	62.87	3.0	0.60	5.72	gallon	0.27	gallon	0.05	gallon
Petroleum Products	Propylene	0.091	gallon	67.77	3.0	0.60	6.17	gallon	0.27	gallon	0.05	gallon
Petroleum Products	Residual Fuel Oil No. 5	0.140	gallon	72.93	3.0	0.60	10.21	gallon	0.42	gallon	0.08	gallon
Petroleum Products	Residual Fuel Oil No. 6	0.150	gallon	75.10	3.0	0.60	11.27	gallon	0.45	gallon	0.09	gallon

Petroleum Products	Special Naphtha	0.125	gallon	72.34	3.0	0.60	9.04	gallon	0.38	gallon	0.08	gallon
Petroleum Products	Unfinished Oils	0.139	gallon	74.54	3.0	0.60	10.36	gallon	0.42	gallon	0.08	gallon
Petroleum Products	Used Oil	0.138	gallon	74.00	3.0	0.60	10.21	gallon	0.41	gallon	0.08	gallon
Biomass Fuels - Liquid	Biodiesel (100%)	0.128	gallon	73.84	1.1	0.11	9.45	gallon	0.14	gallon	0.01	gallon
Biomass Fuels - Liquid	Ethanol (100%)	0.084	gallon	68.44	1.1	0.11	5.75	gallon	0.09	gallon	0.01	gallon
Biomass Fuels - Liquid	Rendered Animal Fat	0.125	gallon	71.06	1.1	0.11	8.88	gallon	0.14	gallon	0.01	gallon
Biomass Fuels - Liquid	Vegetable Oil	0.120	gallon	81.55	1.1	0.11	9.79	gallon	0.13	gallon	0.01	gallon
Biomass Fuels - Kraft Pulping Liquor, by Wood Furnish	North American Softwood			94.4	1.9	0.42						
Biomass Fuels - Kraft Pulping Liquor, by Wood Furnish	North American Hardwood			93.7	1.9	0.42						
Biomass Fuels - Kraft Pulping Liquor, by Wood Furnish	Bagasse			95.5	1.9	0.42						
Biomass Fuels - Kraft Pulping Liquor, by Wood Furnish	Bamboo			93.7	1.9	0.42						
Biomass Fuels - Kraft Pulping Liquor, by Wood Furnish	Straw			95.1	1.9	0.42						