

Conversion factors

Table G1. Heat contents

Fuel	Units	Approximate heat content
Coal¹		
Production	million Btu per short ton	20.142
Consumption	million Btu per short ton	19.622
Coke plants	million Btu per short ton	26.304
Industrial	million Btu per short ton	22.999
Residential and commercial	million Btu per short ton	21.122
Electric power sector	million Btu per short ton	19.176
Imports	million Btu per short ton	25.132
Exports	million Btu per short ton	25.606
Coal coke	million Btu per short ton	24.800
Crude oil¹		
Production	million Btu per barrel	5.850
Imports	million Btu per barrel	5.992
Petroleum products and other liquids		
Consumption ¹	million Btu per barrel	5.316
Motor gasoline ¹	million Btu per barrel	5.047
Jet fuel	million Btu per barrel	5.670
Distillate fuel oil ¹	million Btu per barrel	5.761
Diesel fuel ¹	million Btu per barrel	5.757
Residual fuel oil	million Btu per barrel	6.287
Liquefied petroleum gases and other ^{1,2} ..	million Btu per barrel	3.550
Kerosene	million Btu per barrel	5.670
Petrochemical feedstocks ¹	million Btu per barrel	5.066
Unfinished oils ¹	million Btu per barrel	6.098
Imports ¹	million Btu per barrel	5.548
Exports ¹	million Btu per barrel	5.584
Ethanol ³	million Btu per barrel	3.560
Biodiesel	million Btu per barrel	5.359
Natural gas plant liquids¹		
Production	million Btu per barrel	3.667
Natural gas¹		
Production, dry	Btu per cubic foot	1,022
Consumption	Btu per cubic foot	1,022
End-use sectors	Btu per cubic foot	1,022
Electric power sector	Btu per cubic foot	1,022
Imports	Btu per cubic foot	1,025
Exports	Btu per cubic foot	1,009
Electricity consumption	Btu per kilowatthour	3,412

¹Conversion factor varies from year to year. The value shown is for 2012.

²Includes ethane, natural gasoline, and refinery olefins.

³Includes denaturant.

Btu = British thermal unit.

Sources: U.S. Energy Information Administration (EIA), *Monthly Energy Review*, DOE/EIA-0035(2013/09) (Washington, DC, September 2013), and EIA, AEO2014 National Energy Modeling System run REF2014.D102413A.

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