

Conversion factors

Table G1. Heat contents

Fuel	Units	Approximate heat content
Coal¹		
Production	million Btu per short ton	20.136
Consumption	million Btu per short ton	19.810
Coke plants	million Btu per short ton	26.304
Industrial.....	million Btu per short ton	23.651
Residential and commercial	million Btu per short ton	20.698
Electric power sector	million Btu per short ton	19.370
Imports.....	million Btu per short ton	25.394
Exports	million Btu per short ton	25.639
Coal coke.....	million Btu per short ton	24.800
Crude oil		
Production	million Btu per barrel	5.800
Imports ¹	million Btu per barrel	5.967
Petroleum products and other liquids		
Consumption ¹	million Btu per barrel	5.353
Motor gasoline ¹	million Btu per barrel	5.048
Jet fuel.....	million Btu per barrel	5.670
Distillate fuel oil ¹	million Btu per barrel	5.762
Diesel fuel ¹	million Btu per barrel	5.759
Residual fuel oil.....	million Btu per barrel	6.287
Liquefied petroleum gases ¹	million Btu per barrel	3.577
Kerosene	million Btu per barrel	5.670
Petrochemical feedstocks ¹	million Btu per barrel	5.114
Unfinished oils	million Btu per barrel	6.039
Imports ¹	million Btu per barrel	5.580
Exports ¹	million Btu per barrel	5.619
Ethanol	million Btu per barrel	3.560
Biodiesel.....	million Btu per barrel	5.359
Natural gas plant liquids		
Production ¹	million Btu per barrel	3.566
Natural gas¹		
Production, dry	Btu per cubic foot	1,022
Consumption	Btu per cubic foot	1,022
End-use sectors.....	Btu per cubic foot	1,023
Electric power sector	Btu per cubic foot	1,021
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 2011.

Btu = British thermal unit.

Sources: U.S. Energy Information Administration (EIA), *Annual Energy Review 2011*, DOE/EIA-0384(2011) (Washington, DC, September 2012), and EIA, AEO2013 National Energy Modeling System run REF2013.D102312A.