

Conversion factors

Table G1. Heat rates

Fuel	Units	Approximate heat content
Coal¹		
Production	million Btu per short ton	20.192
Consumption	million Btu per short ton	19.847
Coke plants	million Btu per short ton	26.297
Industrial	million Btu per short ton	20.433
Residential and commercial	million Btu per short ton	21.188
Electric power sector	million Btu per short ton	19.623
Imports	million Btu per short ton	24.719
Exports	million Btu per short ton	25.698
Coal coke	million Btu per short ton	24.800
Crude oil		
Production	million Btu per barrel	5.800
Imports ¹	million Btu per barrel	5.989
Petroleum products and other liquids		
Consumption ¹	million Btu per barrel	5.254
Motor gasoline ¹	million Btu per barrel	5.100
Jet fuel	million Btu per barrel	5.670
Distillate fuel oil ¹	million Btu per barrel	5.771
Diesel fuel ¹	million Btu per barrel	5.762
Residual fuel oil	million Btu per barrel	6.287
Liquefied petroleum gases ¹	million Btu per barrel	3.557
Kerosene	million Btu per barrel	5.670
Petrochemical feedstocks ¹	million Btu per barrel	5.510
Unfinished oils	million Btu per barrel	6.118
Imports ¹	million Btu per barrel	5.337
Exports ¹	million Btu per barrel	5.851
Ethanol	million Btu per barrel	3.561
Biodiesel	million Btu per barrel	5.359
Natural gas plant liquids		
Production ¹	million Btu per barrel	3.674
Natural gas¹		
Production, dry	Btu per cubic foot	1,024
Consumption	Btu per cubic foot	1,024
End-use sectors	Btu per cubic foot	1,025
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 2010.

Btu = British thermal unit.

Sources: U.S. Energy Information Administration (EIA), *Annual Energy Review 2010*, DOE/EIA-0384(2010) (Washington, DC, October 2011), and EIA, AEO2012 National Energy Modeling System run REF2012.D020112C.