

# Appendix H

## Conversion Factors

**Table H1. Heat Rates**

Fuel	Units	Approximate Heat Content
<b>Coal<sup>1</sup></b>		
Production .....	million Btu per short ton	20.861
Consumption .....	million Btu per short ton	20.754
Coke Plants .....	million Btu per short ton	27.425
Industrial .....	million Btu per short ton	22.468
Residential and Commercial .....	million Btu per short ton	24.916
Electric Power Sector .....	million Btu per short ton	20.381
Imports .....	million Btu per short ton	25.000
Exports .....	million Btu per short ton	25.972
<b>Coal Coke</b> .....	million Btu per short ton	24.800
<b>Crude Oil</b>		
Production .....	million Btu per barrel	5.800
Imports .....	million Btu per barrel	5.975
<b>Petroleum Products</b>		
Consumption <sup>2</sup> .....	million Btu per barrel	5.345
Motor Gasoline <sup>2</sup> .....	million Btu per barrel	5.194
Jet Fuel .....	million Btu per barrel	5.670
Distillate Fuel Oil .....	million Btu per barrel	5.825
Residual Fuel Oil .....	million Btu per barrel	6.287
Liquefied Petroleum Gas <sup>2</sup> .....	million Btu per barrel	3.612
Kerosene .....	million Btu per barrel	5.670
Petrochemical Feedstocks <sup>2</sup> .....	million Btu per barrel	5.533
Unfinished Oils .....	million Btu per barrel	5.825
Imports <sup>2</sup> .....	million Btu per barrel	5.435
Exports <sup>2</sup> .....	million Btu per barrel	5.846
<b>Natural Gas Plant Liquids</b>		
Production <sup>2</sup> .....	million Btu per barrel	3.735
<b>Natural Gas</b>		
Production, Dry .....	Btu per cubic foot	1,027
Consumption .....	Btu per cubic foot	1,027
End-Use Sectors .....	Btu per cubic foot	1,029
Electric Power Sector .....	Btu per cubic foot	1,020
Imports .....	Btu per cubic foot	1,023
Exports .....	Btu per cubic foot	1,010
<b>Electricity Consumption</b> .....	Btu per kilowatthour	3,412

Btu = British thermal unit.

<sup>1</sup>Coal conversion factors vary from year to year. Values correspond to those published by EIA for 2003 and may differ slightly from model results.

<sup>2</sup>Conversion factors vary from year to year. 2010 values are reported.

Sources: Energy Information Administration (EIA), *Annual Energy Review 2003*, DOE/EIA-0384(2003) (Washington, DC, September 2004), and EIA, AEO2005 National Energy Modeling System run AEO2005.D102004A.