

# Appendix I

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## Abbreviations

B	billion or 10 <sup>9</sup>
bbl	barrel
Bcf	Billion cubic feet
Btu	British thermal unit
cf	cubic foot
CO <sub>2</sub>	carbon dioxide
gal	gallon
GDP	gross domestic product
GSP	gross state product
GWh	gigawatt-hour or million kWh
kWh	kilowatt-hour
LPG	liquefied petroleum gas
M	thousand or 10 <sup>3</sup>
Mcf	Thousand cubic feet
MM	million or 10 <sup>6</sup>
N/A	Not applicable
n.a.	Not available
OPEC	Organization of Petroleum Exporting Countries
T	trillion or 10 <sup>12</sup>

## Conversion Factors

Approximate heat content of various fuels (2021)

### Coal

Electric generation	25,847,000 Btu/ton
Industrial end use sector	25,413,000 Btu/ton

### Natural Gas

Electric generation	1,032 Btu/cf
Other end use sectors	1,026 Btu/cf

### Wood (20,000,000 Btu/cord)

Electricity Sales	3,412 Btu/kWh
Electricity Generation	7,851 Btu/kWh

(Three-year statewide weighted average annual heat rate for fossil-fueled power plants)

### Petroleum Products (One barrel equals 42 gallons)

Distillate fuel oil	5,764,000 Btu/barrel
Ethanol	3,539,000 Btu/barrel
Jet fuel, kerosene-type	5,670,000 Btu/barrel
Kerosene	5,670,000 Btu/barrel
Motor gasoline	5,052,000 Btu/barrel
HGL (propane)	3,841,000 Btu/barrel
Residual fuel oil	6,287,000 Btu/barrel