

**Table 1.3 Primary Energy Consumption Estimates by Source, Selected Years, 1949-2011**  
(Quadrillion Btu)

| Year              | Fossil Fuels |                                    |                          |                        |         | Nuclear Electric Power | Renewable Energy <sup>1</sup> |   |                      |                      |        | Electricity Net Imports <sup>3</sup> | Total    |
|-------------------|--------------|------------------------------------|--------------------------|------------------------|---------|------------------------|-------------------------------|---|----------------------|----------------------|--------|--------------------------------------|----------|
|                   | Coal         | Coal Coke Net Imports <sup>3</sup> | Natural Gas <sup>4</sup> | Petroleum <sup>5</sup> | Total   |                        | Noncombustible <sup>2</sup>   |   |                      | Biomass <sup>7</sup> | Total  |                                      |          |
|                   |              |                                    |                          |                        |         |                        | Captured Energy <sup>6</sup>  | Adjustment for Fossil Fuel Equivalence <sup>6</sup> | Total <sup>6,7</sup> |                      |        |                                      |          |
| 1949              | 11.981       | -0.007                             | 5.145                    | 11.883                 | 29.002  | 0.000                  | 0.323                         | 1.101   | 1.425                | 1.549                | 2.974  | 0.005                                | 31.982   |
| 1950              | 12.347       | .001                               | 5.968                    | 13.315                 | 31.632  | .000                   | .344                          | 1.071   | 1.415                | 1.562                | 2.978  | .006                                 | 34.616   |
| 1955              | 11.167       | -.010                              | 8.998                    | 17.255                 | 37.410  | .000                   | .397                          | .963  | 1.360                | 1.424                | 2.784  | .014                                 | 40.208   |
| 1960              | 9.838        | -.006                              | 12.385                   | 19.919                 | 42.137  | .006                   | .510                          | 1.098   | 1.608                | 1.320                | 2.928  | .015                                 | 45.086   |
| 1965              | 11.581       | -.018                              | 15.769                   | 23.246                 | 50.577  | .043                   | .673                          | 1.388   | 2.061                | 1.335                | 3.396  | (s)                                  | 54.015   |
| 1970              | 12.265       | -.058                              | 21.795                   | 29.521                 | 63.522  | .239                   | .858                          | 1.781   | 2.639                | 1.431                | 4.070  | .007                                 | 67.838   |
| 1975              | 12.663       | .014                               | 19.948                   | 32.732                 | 65.357  | 1.900                  | 1.045                         | 2.143   | 3.188                | 1.499                | 4.687  | .021                                 | 71.965   |
| 1976              | 13.584       | (s)                                | 20.345                   | 35.178                 | 69.107  | 2.111                  | .991                          | 2.022   | 3.014                | 1.713                | 4.727  | .029                                 | 75.975   |
| 1977              | 13.922       | .015                               | 19.931                   | 37.124                 | 70.991  | 2.702                  | .775                          | 1.595   | 2.371                | 1.838                | 4.209  | .059                                 | 77.961   |
| 1978              | 13.766       | .125                               | 20.000                   | 37.963                 | 71.854  | 3.024                  | .977                          | 1.990   | 2.968                | 2.038                | 5.005  | .067                                 | 79.950   |
| 1979              | 15.040       | .063                               | 20.666                   | 37.122                 | 72.891  | 2.776                  | .979                          | 1.992   | 2.971                | 2.152                | 5.123  | .069                                 | 80.859   |
| 1980              | 15.423       | -.035                              | 20.235                   | 34.205                 | 69.828  | 2.739                  | .970                          | 1.983   | 2.953                | 2.476                | 5.428  | .071                                 | 78.067   |
| 1981              | 15.908       | -.016                              | 19.747                   | 31.932                 | 67.571  | 3.008                  | .920                          | 1.898   | 2.817                | 2.596                | 5.414  | .113                                 | 76.106   |
| 1982              | 15.322       | -.022                              | 18.356                   | 30.232                 | 63.888  | 3.131                  | 1.082                         | 2.234   | 3.316                | 2.663                | 5.980  | .100                                 | 73.099   |
| 1983              | 15.894       | -.016                              | 17.221                   | 30.052                 | 63.152  | 3.203                  | 1.165                         | 2.426   | 3.591                | 2.904                | 6.496  | .121                                 | 72.971   |
| 1984              | 17.071       | -.011                              | 18.394                   | 31.053                 | 66.506  | 3.553                  | 1.133                         | 2.334   | 3.467                | 2.971                | 6.438  | .135                                 | 76.632   |
| 1985              | 17.478       | -.013                              | 17.703                   | 30.925                 | 66.093  | 4.076                  | 1.002                         | 2.066   | 3.068                | 3.016                | 6.084  | .140                                 | 76.392   |
| 1986              | 17.260       | -.017                              | 16.591                   | 32.198                 | 66.033  | 4.380                  | 1.038                         | 2.141   | 3.179                | 2.932                | 6.111  | .122                                 | 76.647   |
| 1987              | 18.008       | .009                               | 17.640                   | 32.864                 | 68.521  | 4.754                  | .900                          | 1.847   | 2.747                | 2.875                | 5.622  | .158                                 | 79.054   |
| 1988              | 18.846       | .040                               | 18.448                   | 34.223                 | 71.557  | 5.587                  | .807                          | 1.634   | 2.441                | 3.016                | 5.457  | .108                                 | 82.709   |
| 1989              | 19.070       | .030                               | 19.602                   | 34.209                 | 72.911  | 5.602                  | 1.048                         | 2.028   | 3.076                | 3.159                | 6.235  | .037                                 | 84.786   |
| 1990              | 19.173       | .005                               | 19.603                   | 33.552                 | 72.332  | 6.104                  | 1.128                         | 2.177   | 3.306                | 2.735                | 6.041  | .008                                 | 84.485   |
| 1991              | 18.992       | .010                               | 20.033                   | 32.846                 | 71.880  | 6.422                  | 1.121                         | 2.166   | 3.287                | 2.782                | 6.069  | .067                                 | 84.438   |
| 1992              | 19.122       | .035                               | 20.714                   | 33.525                 | 73.396  | 6.479                  | 1.001                         | 1.889   | 2.890                | 2.932                | 5.821  | .087                                 | 85.783   |
| 1993              | 19.835       | .027                               | 21.229                   | 33.745                 | 74.836  | 6.410                  | 1.100                         | 2.074   | 3.174                | 2.908                | 6.083  | .095                                 | 87.424   |
| 1994              | 19.909       | .058                               | 21.728                   | 34.561                 | 76.256  | 6.694                  | 1.030                         | 1.930   | 2.961                | 3.028                | 5.988  | .153                                 | 89.091   |
| 1995              | 20.089       | .061                               | 22.671                   | 34.438                 | 77.259  | 7.075                  | 1.197                         | 2.262   | 3.459                | 3.101                | 6.560  | .134                                 | 91.029   |
| 1996              | 21.002       | .023                               | 23.085                   | 35.675                 | 79.785  | 7.087                  | 1.326                         | 2.530   | 3.857                | 3.157                | 7.014  | .137                                 | 94.022   |
| 1997              | 21.445       | .046                               | 23.223                   | 36.159                 | 80.873  | 6.597                  | 1.360                         | 2.550   | 3.910                | 3.105                | 7.016  | .116                                 | 94.602   |
| 1998              | 21.656       | .067                               | 22.830                   | 36.816                 | 81.369  | 7.068                  | 1.247                         | 2.318   | 3.565                | 2.927                | 6.493  | .088                                 | 95.018   |
| 1999              | 21.623       | .058                               | 22.909                   | 37.838                 | 82.427  | 7.610                  | 1.240                         | 2.312   | 3.552                | 2.963                | 6.516  | .099                                 | 96.652   |
| 2000              | 22.580       | .065                               | 23.824                   | 38.262                 | 84.731  | 7.862                  | 1.090                         | 2.008   | 3.098                | 3.008                | 6.106  | .115                                 | R98.814  |
| 2001              | 21.914       | .029                               | 22.773                   | 38.186                 | 82.902  | 8.029                  | .893                          | 1.647   | 2.540                | 2.622                | 5.163  | .075                                 | 96.168   |
| 2002              | 21.904       | .061                               | R23.510                  | 38.224                 | R83.699 | 8.145                  | 1.070                         | 1.959   | 3.029                | 2.701                | 5.729  | .072                                 | R97.645  |
| 2003              | 22.321       | .051                               | 22.831                   | 38.811                 | 84.014  | 7.959                  | 1.114                         | 2.062   | 3.176                | 2.807                | 5.983  | .022                                 | 97.978   |
| 2004              | 22.466       | .138                               | R22.923                  | 40.292                 | R85.819 | 8.222                  | 1.103                         | 1.969   | 3.073                | 3.010                | 6.082  | .039                                 | R100.162 |
| 2005              | 22.797       | .044                               | R22.565                  | 40.388                 | R85.794 | 8.161                  | 1.127                         | 1.998   | 3.125                | R3.117               | 6.242  | .085                                 | R100.282 |
| 2006              | 22.447       | .061                               | R22.239                  | 39.955                 | R84.702 | 8.215                  | 1.229                         | 2.153   | 3.382                | R3.267               | R6.649 | .063                                 | R99.629  |
| 2007              | 22.749       | .025                               | R23.663                  | 39.774                 | R86.211 | 8.455                  | 1.125                         | 1.924   | 3.048                | R3.474               | R6.523 | .107                                 | R101.296 |
| 2008              | 22.385       | .041                               | R23.843                  | 37.280                 | R83.549 | 8.427                  | 1.238                         | 2.099   | 3.338                | R3.849               | R7.186 | .112                                 | R99.275  |
| 2009              | 19.692       | -.024                              | R23.416                  | 35.403                 | R78.488 | 8.356                  | 1.382                         | 2.306   | 3.688                | R3.912               | R7.600 | .116                                 | R94.559  |
| 2010              | R20.850      | -.006                              | R24.256                  | R36.010                | R81.109 | R8.434                 | R1.440                        | R2.355  | R3.796               | R4.294               | R8.090 | R.089                                | R97.722  |
| 2011 <sup>P</sup> | 19.643       | .011                               | 24.843                   | 35.283                 | 79.779  | 8.259                  | 1.785                         | 2.939   | 4.724                | 4.411                | 9.135  | .127                                 | 97.301   |

<sup>1</sup> Most data are estimates. See Note, "Renewable Energy Production and Consumption," at end of Section 10.

<sup>2</sup> Conventional hydroelectric power, geothermal, solar thermal, photovoltaic, and wind. See Note 1, "Noncombustible Renewable Energy," at end of section.

<sup>3</sup> Net imports equal imports minus exports. A minus sign indicates exports are greater than imports.

<sup>4</sup> Natural gas only; excludes supplemental gaseous fuels. See Note 1, "Supplemental Gaseous Fuels," at end of Section 6.

<sup>5</sup> Petroleum products supplied, including natural gas plant liquids and crude oil burned as fuel. Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass." For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of Section 5.

<sup>6</sup> See Note 1, "Noncombustible Renewable Energy," at end of section.

<sup>7</sup> See Table 10.1 for a breakdown of individual sources.

R=Revised. P=Preliminary. (s)=Less than 0.0005 and greater than -0.0005 quadrillion Btu.

Notes: • See "Primary Energy Consumption" in Glossary. • See Table E1 for estimated energy consumption for 1635–1945. • See Note 3, "Electricity Imports and Exports," at end of Section 8. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#summary> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all annual data beginning in 1949.

Sources: Tables 5.12, 6.1, 7.1, 7.8, 8.1, 8.2a, 10.1, 10.3, A4, A5, and A6.