

**Table A5. Approximate Heat Content of Coal and Coal Coke**  
(Million Btu per Short Ton)

|            | Coal                    |                                  |   |                     |                     |                                      |                     |                     |                     | Coal Coke           |
|------------|-------------------------|----------------------------------|---|---------------------|---------------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|
|            | Production <sup>a</sup> | Waste Coal Supplied <sup>b</sup> | Consumption                                     |                     |                     |                                      |                     | Imports             | Exports             | Imports and Exports |
|            |                         |                                  | Residential and Commercial Sectors <sup>c</sup> | Industrial Sector   |                     | Electric Power Sector <sup>e,f</sup> | Total               |                     |                     |                     |
|            |                         |                                  |   | Coke Plants         | Other <sup>d</sup>  |                                      |                     |                     |                     |                     |
| 1950 ..... | 25.090                  | NA                               | 24.461  | 26.798              | 24.820              | 23.937                               | 24.989              | 25.020              | 26.788              | 24.800              |
| 1955 ..... | 25.201                  | NA                               | 24.373  | 26.794              | 24.821              | 24.056                               | 24.982              | 25.000              | 26.907              | 24.800              |
| 1960 ..... | 24.906                  | NA                               | 24.226  | 26.791              | 24.609              | 23.927                               | 24.713              | 25.003              | 26.939              | 24.800              |
| 1965 ..... | 24.775                  | NA                               | 24.028  | 26.787              | 24.385              | 23.780                               | 24.537              | 25.000              | 26.973              | 24.800              |
| 1970 ..... | 23.842                  | NA                               | 23.203  | 26.784              | 22.983              | 22.573                               | 23.440              | 25.000              | 26.982              | 24.800              |
| 1975 ..... | 22.897                  | NA                               | 22.261  | 26.782              | 22.436              | 21.642                               | 22.506              | 25.000              | 26.562              | 24.800              |
| 1980 ..... | 22.415                  | NA                               | 22.543  | 26.790              | 22.690              | 21.295                               | 21.947              | 25.000              | 26.384              | 24.800              |
| 1981 ..... | 22.308                  | NA                               | 22.474  | 26.794              | 22.585              | 21.085                               | 21.713              | 25.000              | 26.160              | 24.800              |
| 1982 ..... | 22.239                  | NA                               | 22.695  | 26.797              | 22.712              | 21.194                               | 21.674              | 25.000              | 26.223              | 24.800              |
| 1983 ..... | 22.052                  | NA                               | 22.775  | 26.798              | 22.691              | 21.133                               | 21.576              | 25.000              | 26.291              | 24.800              |
| 1984 ..... | 22.010                  | NA                               | 22.844  | 26.799              | 22.543              | 21.101                               | 21.573              | 25.000              | 26.402              | 24.800              |
| 1985 ..... | 21.870                  | NA                               | 22.646  | 26.798              | 22.020              | 20.959                               | 21.366              | 25.000              | 26.307              | 24.800              |
| 1986 ..... | 21.913                  | NA                               | 22.947  | 26.798              | 22.198              | 21.084                               | 21.462              | 25.000              | 26.292              | 24.800              |
| 1987 ..... | 21.922                  | NA                               | 23.404  | 26.799              | 22.381              | 21.136                               | 21.517              | 25.000              | 26.291              | 24.800              |
| 1988 ..... | 21.823                  | NA                               | 23.571  | 26.799              | 22.360              | 20.900                               | 21.328              | 25.000              | 26.299              | 24.800              |
| 1989 ..... | 21.765                  | <sup>b</sup> 10.391              | 23.650  | 26.800              | 22.347              | <sup>e</sup> 20.898                  | 21.307              | 25.000              | 26.160              | 24.800              |
| 1990 ..... | 21.822                  | 9.303                            | 23.137  | 26.799              | 22.457              | 20.779                               | 21.197              | 25.000              | 26.202              | 24.800              |
| 1991 ..... | 21.681                  | 10.758                           | 23.114  | 26.799              | 22.460              | 20.730                               | 21.120              | 25.000              | 26.188              | 24.800              |
| 1992 ..... | 21.682                  | 10.396                           | 23.105  | 26.799              | 22.250              | 20.709                               | 21.068              | 25.000              | 26.161              | 24.800              |
| 1993 ..... | 21.418                  | 10.638                           | 22.994  | 26.800              | 22.123              | 20.677                               | 21.010              | 25.000              | 26.335              | 24.800              |
| 1994 ..... | 21.394                  | 11.097                           | 23.112  | 26.800              | 22.068              | 20.589                               | 20.929              | 25.000              | 26.329              | 24.800              |
| 1995 ..... | 21.326                  | 11.722                           | 23.118  | 26.800              | 21.950              | 20.543                               | 20.880              | 25.000              | 26.180              | 24.800              |
| 1996 ..... | 21.322                  | 12.147                           | 23.011  | 26.800              | 22.105              | 20.547                               | 20.870              | 25.000              | 26.174              | 24.800              |
| 1997 ..... | 21.296                  | 12.158                           | 22.494  | 26.800              | 22.172              | 20.518                               | 20.830              | 25.000              | 26.251              | 24.800              |
| 1998 ..... | 21.418                  | 12.639                           | 21.620  | 27.426              | 23.164              | 20.516                               | 20.881              | 25.000              | 26.800              | 24.800              |
| 1999 ..... | 21.070                  | 12.552                           | 23.880  | 27.426              | 22.489              | 20.490                               | 20.818              | 25.000              | 26.081              | 24.800              |
| 2000 ..... | 21.072                  | 12.360                           | 25.020  | 27.426              | 22.433              | 20.511                               | 20.828              | 25.000              | 26.117              | 24.800              |
| 2001 ..... | <sup>a</sup> 20.772     | 12.169                           | 24.909  | 27.426              | 22.622              | 20.337                               | 20.671              | 25.000              | 25.998              | 24.800              |
| 2002 ..... | 20.673                  | 12.165                           | 22.962  | 27.426              | 22.562              | 20.238                               | 20.541              | 25.000              | 26.062              | 24.800              |
| 2003 ..... | 20.499                  | 12.360                           | 22.242  | 27.425              | 22.468              | 20.082                               | 20.387              | 25.000              | 25.972              | 24.800              |
| 2004 ..... | 20.424                  | 12.266                           | 22.324  | 27.426              | 22.473              | 19.980                               | 20.290              | 25.000              | 26.108              | 24.800              |
| 2005 ..... | 20.348                  | 12.093                           | 22.342  | 26.279              | 22.178              | 19.988                               | 20.246              | 25.000              | 25.494              | 24.800              |
| 2006 ..... | 20.310                  | 12.080                           | 22.066  | 26.271              | 22.050              | 19.931                               | 20.181              | 25.000              | 25.453              | 24.800              |
| 2007 ..... | 20.340                  | 12.090                           | 22.069  | 26.329              | 22.371              | 19.909                               | 20.168              | 25.000              | 25.466              | 24.800              |
| 2008 ..... | 20.208                  | 12.121                           | <sup>c</sup> 23.035                             | 26.281              | 22.304              | 19.713                               | 19.979              | 25.000              | 25.399              | 24.800              |
| 2009 ..... | 19.963                  | 12.076                           | 22.852  | 26.334              | 21.823              | 19.521                               | 19.741              | 25.000              | 25.633              | 24.800              |
| 2010 ..... | 20.173                  | 11.960                           | 22.611  | 26.295              | 21.846              | 19.623                               | 19.870              | 25.000              | 25.713              | 24.800              |
| 2011 ..... | 20.142                  | 11.604                           | 22.099  | 26.299              | 21.568              | 19.341                               | 19.600              | 25.000              | 25.645              | 24.800              |
| 2012 ..... | 20.215                  | 11.539                           | 21.300  | 28.636              | 21.449              | 19.211                               | 19.544              | 23.128              | 24.551              | 24.800              |
| 2013 ..... | 20.182                  | 11.103                           | 21.233  | 28.705              | 21.600              | 19.174                               | 19.513              | 22.379              | 24.605              | 24.800              |
| 2014 ..... | 20.146                  | 11.474                           | 21.307  | 28.458              | 21.525              | 19.290                               | 19.611              | 22.187              | 25.032              | 24.800              |
| 2015 ..... | 19.880                  | 11.527                           | 20.699  | 28.526              | 21.258              | 19.146                               | 19.482              | 22.633              | 25.048              | 24.800              |
| 2016 ..... | <sup>E</sup> 19.880     | <sup>E</sup> 11.527              | <sup>E</sup> 20.699                             | <sup>E</sup> 28.526 | <sup>E</sup> 21.258 | <sup>E</sup> 19.146                  | <sup>E</sup> 19.482 | <sup>E</sup> 22.633 | <sup>E</sup> 25.048 | <sup>E</sup> 24.800 |

<sup>a</sup> Beginning in 2001, includes a small amount of refuse recovery (coal recaptured from a refuse mine, and cleaned to reduce the concentration of noncombustible materials).

<sup>b</sup> Waste coal (including fine coal, coal obtained from a refuse bank or slurry dam, anthracite culm, bituminous gob, and lignite waste) consumed by the electric power and industrial sectors. Beginning in 1989, waste coal supplied is counted as a supply-side item to balance the same amount of waste coal included in "Consumption."

<sup>c</sup> Through 2007, used as the thermal conversion factor for coal consumption by the residential and commercial sectors. Beginning in 2008, used as the thermal conversion factor for coal consumption by the commercial sector only.

<sup>d</sup> Includes transportation. Excludes coal synfuel plants.

<sup>e</sup> Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

<sup>f</sup> Electric power sector factors are for anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and, beginning in 1998, coal synfuel.

E=Estimate. NA=Not available.

Note: The values in this table are for gross heat contents. See "Heat Content" in Glossary.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#appendices> (Excel and CSV files) for all available annual data beginning in 1949.

Sources: See "Thermal Conversion Factor Source Documentation," which follows Table A6.