

Table 7.4b Consumption of Combustible Fuels for Electricity Generation and Useful Thermal Output: Electric Power Sector (Subset of Table 7.4a)

| | Coal ^a | Petroleum | | | | | Natural Gas ^f | Other Gases ^g | Biomass | | Other ^j |
|-------------------------------------|-------------------|----------------------------------|--------------------------------|----------------------------|-----------------------------|--------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|
| | | Distillate Fuel Oil ^b | Residual Fuel Oil ^c | Other Liquids ^d | Petroleum Coke ^e | Total ^e | | | Wood ^h | Waste ⁱ | |
| | | | | | | | | | | | |
| 1950 Total | 91,871 | 5,423 | 69,998 | NA | NA | 75,421 | 629 | NA | 5 | NA | NA |
| 1955 Total | 143,759 | 5,412 | 69,862 | NA | NA | 75,274 | 1,153 | NA | 3 | NA | NA |
| 1960 Total | 176,685 | 3,824 | 84,371 | NA | NA | 88,195 | 1,725 | NA | 2 | NA | NA |
| 1965 Total | 244,788 | 4,928 | 110,274 | NA | NA | 115,203 | 2,321 | NA | 3 | NA | NA |
| 1970 Total | 320,182 | 24,123 | 311,381 | NA | 636 | 338,686 | 3,932 | NA | 1 | 2 | NA |
| 1975 Total | 405,962 | 38,907 | 467,221 | NA | 70 | 506,479 | 3,158 | NA | (s) | 2 | NA |
| 1980 Total | 569,274 | 29,051 | 391,163 | NA | 179 | 421,110 | 3,682 | NA | 3 | 2 | NA |
| 1985 Total | 693,841 | 14,635 | 158,779 | NA | 231 | 174,571 | 3,044 | NA | 8 | 7 | NA |
| 1990 Total^k | 782,567 | 16,567 | 184,915 | 26 | 1,008 | 206,550 | 3,245 | 11 | 129 | 188 | (s) |
| 1995 Total | 850,230 | 18,553 | 90,023 | 499 | 2,674 | 122,447 | 4,237 | 24 | 125 | 296 | 2 |
| 2000 Total | 985,821 | 30,016 | 138,513 | 454 | 3,275 | 185,358 | 5,206 | 25 | 134 | 318 | 1 |
| 2005 Total | 1,037,485 | 19,675 | 139,409 | 2,685 | 8,083 | 202,184 | 5,869 | 84 | 185 | 221 | 123 |
| 2006 Total | 1,026,636 | 12,646 | 57,345 | 1,870 | 5,119 | 107,365 | 6,222 | 65 | 182 | 231 | 125 |
| 2007 Total | 1,045,141 | 15,327 | 63,086 | 2,594 | 5,685 | 109,431 | 6,841 | 61 | 186 | 237 | 124 |
| 2008 Total | 1,040,580 | 12,547 | 38,241 | 2,670 | 5,119 | 79,056 | 6,668 | 61 | 177 | 258 | 131 |
| 2009 Total | 933,627 | 12,035 | 28,782 | 2,210 | 4,611 | 66,081 | 6,873 | 55 | 180 | 261 | 124 |
| 2010 Total | 975,052 | 13,790 | 24,503 | 1,877 | 4,777 | 64,055 | 7,387 | 52 | 196 | 264 | 124 |
| 2011 Total | 932,484 | 11,021 | 14,803 | 1,658 | 4,837 | 51,667 | 7,574 | 50 | 182 | 255 | 143 |
| 2012 Total | 823,551 | 9,080 | 12,203 | 1,339 | 2,974 | 37,495 | 9,111 | 54 | 190 | 262 | 143 |
| 2013 Total | 857,962 | 9,598 | 12,283 | 1,489 | 4,285 | 44,794 | 8,191 | 60 | 207 | 262 | 139 |
| 2014 Total | 851,602 | 14,235 | 15,132 | 2,208 | 4,132 | 52,235 | 8,146 | 44 | 251 | 279 | 137 |
| 2015 Total | 738,444 | 12,193 | 14,929 | 2,131 | 3,907 | 48,787 | 9,613 | 44 | 244 | 281 | 136 |
| 2016 Total | 678,554 | 9,510 | 11,242 | 1,322 | 4,138 | 42,763 | 9,985 | 45 | 224 | 281 | 139 |
| 2017 Total | 664,993 | 9,481 | 10,464 | 1,375 | 3,399 | 38,318 | 9,266 | 46 | 229 | 280 | 132 |
| 2018 Total | 637,217 | 13,967 | 12,446 | 1,855 | 3,549 | 46,013 | 10,599 | 47 | 221 | 275 | 136 |
| 2019 Total | 538,606 | 9,336 | 9,352 | 1,750 | 2,655 | 33,712 | 11,299 | 47 | 201 | 248 | 145 |
| 2020 Total | 435,827 | 7,673 | 8,382 | 1,543 | 3,057 | 32,885 | 11,632 | 40 | 185 | 242 | 144 |
| 2021 | | | | | | | | | | | |
| January | 45,196 | 708 | 841 | 151 | 286 | 3,131 | 864 | 4 | 18 | 20 | 12 |
| February | 47,938 | 1,915 | 854 | 216 | 276 | 4,364 | 785 | 2 | 17 | 18 | 10 |
| March | 34,514 | 681 | 654 | 121 | 259 | 2,750 | 742 | 2 | 16 | 20 | 12 |
| April | 30,056 | 751 | 599 | 121 | 173 | 2,333 | 761 | 3 | 13 | 19 | 11 |
| May | 35,651 | 758 | 646 | 86 | 217 | 2,573 | 814 | 3 | 15 | 20 | 11 |
| June | 48,002 | 822 | 711 | 160 | 195 | 2,668 | 1,087 | 4 | 17 | 19 | 11 |
| July | 56,375 | 706 | 739 | 157 | 279 | 2,995 | 1,238 | 4 | 19 | 19 | 12 |
| August | 56,256 | 863 | 1,077 | 220 | 306 | 3,691 | 1,262 | 4 | 19 | 19 | 12 |
| September | 44,390 | 691 | 866 | 159 | 256 | 2,994 | 989 | 4 | 16 | 19 | 11 |
| October | 35,615 | 742 | 732 | 147 | 258 | 2,910 | 939 | 4 | 14 | 18 | 11 |
| November | 32,849 | 801 | 681 | 149 | 323 | 3,245 | 868 | 3 | 15 | 18 | 11 |
| December | 34,593 | 921 | 714 | 149 | 249 | 3,032 | 879 | 3 | 17 | 20 | 12 |
| Total | 501,435 | 10,359 | 9,115 | 1,835 | 3,075 | 36,686 | 11,229 | 40 | 197 | 229 | 134 |
| 2022 | | | | | | | | | | | |
| January | 48,629 | 2,598 | 2,195 | 242 | 221 | 6,142 | 961 | 3 | 17 | 19 | 11 |
| February | 39,803 | 897 | 752 | 140 | 242 | 3,000 | 815 | 3 | 18 | 17 | 10 |
| March | 34,224 | 825 | 729 | 134 | 208 | 2,728 | 779 | 3 | 16 | 19 | 11 |
| April | 30,730 | 664 | 593 | 106 | 207 | 2,399 | 748 | 3 | 13 | 17 | 10 |
| May | 34,920 | 792 | 693 | 57 | 271 | 2,896 | 925 | 4 | 16 | 18 | 11 |
| June | 41,608 | 852 | 659 | 139 | 269 | 2,994 | 1,146 | 3 | 18 | 18 | 11 |
| July | 49,348 | 887 | 804 | 163 | NM | NM | 1,400 | 4 | 20 | 18 | 11 |
| August | 48,211 | 889 | 782 | 176 | 232 | 3,007 | 1,375 | 3 | 19 | 18 | 11 |
| September | 37,196 | 748 | 885 | 139 | 261 | 3,075 | 1,122 | 3 | 17 | 17 | 10 |
| October | 31,397 | 749 | 916 | 155 | 243 | 3,036 | 950 | 3 | 15 | 17 | 10 |
| November | 32,264 | 762 | 808 | 131 | 244 | 2,918 | 903 | 3 | 15 | 17 | 10 |
| December | 41,608 | 4,466 | 1,729 | 686 | 306 | 8,411 | 993 | 3 | 17 | 17 | 11 |
| Total | 469,938 | 15,129 | 11,544 | 2,268 | 2,905 | 43,463 | 12,118 | 38 | 200 | 213 | 127 |
| 2023 | | | | | | | | | | | |
| January | 34,594 | 805 | 820 | 170 | 163 | 2,612 | 968 | 3 | 16 | 18 | 10 |
| February | 26,724 | 762 | 1,072 | 145 | 147 | 2,715 | 872 | 3 | 14 | 16 | 9 |
| March | 28,465 | 765 | 807 | 161 | 136 | 2,415 | 930 | 3 | 15 | 17 | 9 |
| April | 22,639 | 713 | 762 | 133 | NM | NM | 867 | 3 | 10 | 15 | 9 |
| May | 25,400 | 807 | 767 | 217 | 130 | 2,443 | 995 | 3 | 14 | 16 | R 9 |
| June | 33,507 | 734 | 763 | 141 | 143 | 2,355 | 1,172 | 3 | 15 | 15 | 8 |
| 6-Month Total | 171,329 | 4,586 | 4,991 | 968 | 828 | 14,687 | 5,804 | 18 | 84 | 97 | 53 |
| 2022 6-Month Total | 229,913 | 6,628 | 5,620 | 818 | 1,419 | 20,159 | 5,375 | 20 | 97 | 108 | 64 |
| 2021 6-Month Total | 241,357 | 5,634 | 4,305 | 854 | 1,405 | 17,818 | 5,053 | 18 | 96 | 116 | 66 |

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Fuel oil nos. 1, 2, and 4. For 1949–1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

^c Fuel oil nos. 5 and 6. For 1949–1979, data are for steam plant use of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

^d Jet fuel, kerosene, other petroleum liquids, waste oil, and, beginning in 2011, propane.

^e Petroleum coke is converted from short tons to barrels by multiplying by 5.

^f Natural gas, plus a small amount of supplemental gaseous fuels.

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and

tire-derived fuels).

^j Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

NA=Not available. NM=Not meaningful. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • The electric power sector comprises 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. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.