

## Section 7. Electricity

**Overview.** In 2003, net generation of electricity totaled 3.8 trillion kilowatthours, down slightly compared with the total in 2002. Of the total generated, 96 percent came from the electric power sector; 4 percent was generated by combined-heat-and power plants and electricity-only plants in the industrial and commercial sectors. The Nation imported 30 billion kilowatthours and exported 24 billion kilowatthours of electricity in 2003.

**Net Generation.** In July 2004, total net generation of electricity was 372 billion kilowatthours, slightly higher than July 2003.

**Consumption of Combustible Fuels.** The consumption of coal for electricity generation and useful thermal output by all sectors was 95 million short tons in July 2004, 1 percent lower than in July 2003. Total petroleum consumption was 22 million barrels, 5 percent lower than a year earlier, and

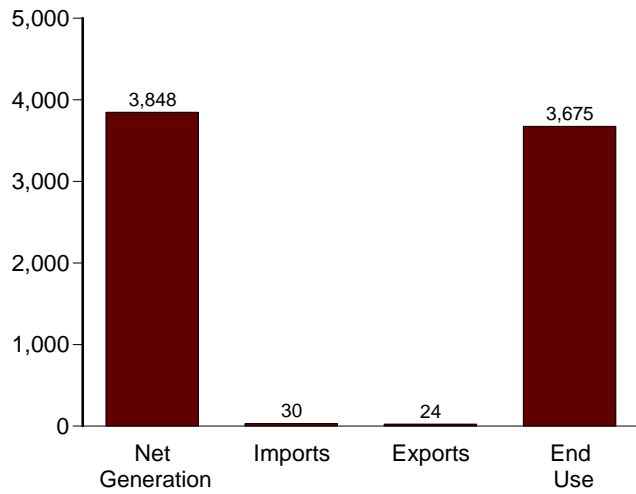
natural gas consumption was 714 billion cubic feet, slightly lower than a year ago.

**Stocks of Coal and Petroleum.** Stocks of coal held by the electric power sector in July 2004 were 111 million short tons, 16 percent below the level held a year earlier. Total petroleum was 51 million barrels in July 2004, 2 percent higher than a year earlier.

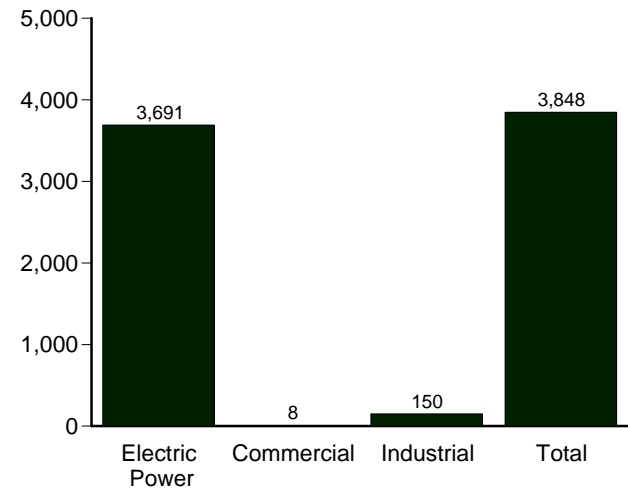
**Retail Sales of Electricity.** Total retail sales of electricity in July 2004 were 334 billion kilowatthours, slightly higher than sales in July 2003. Sales to residential users in July 2004 were 130 billion kilowatthours, slightly lower than a year ago; commercial sector sales were 116 billion kilowatt-hours, 1 percent lower than a year ago; and industrial sector sales were 89 billion kilowatthours, 3 percent higher than a year ago.

**Figure 7.1 Electricity Overview**  
(Billion Kilowatthours)

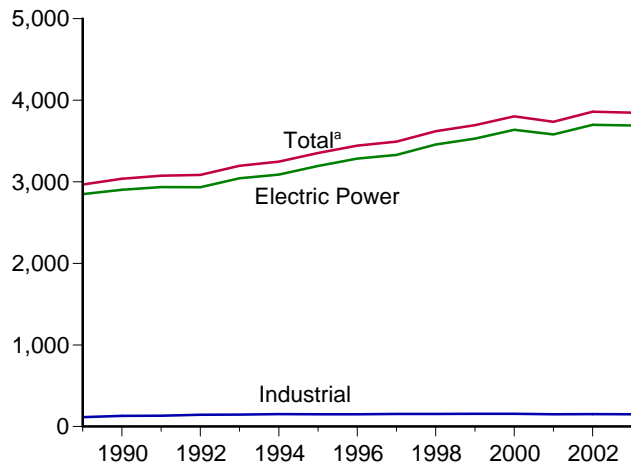
Overview, 2003



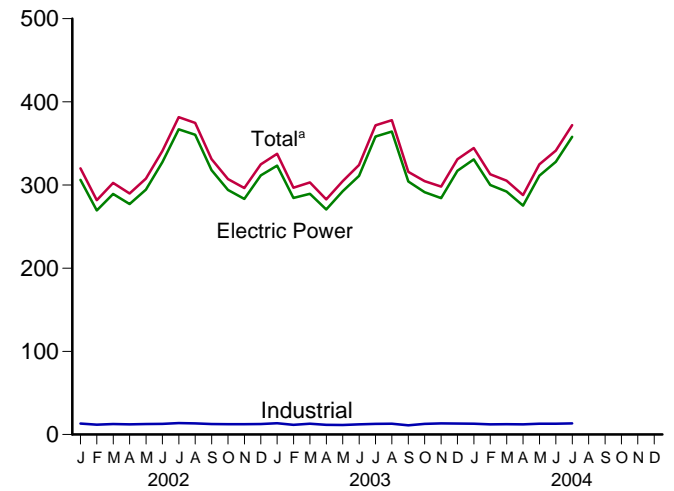
Net Generation, 2003



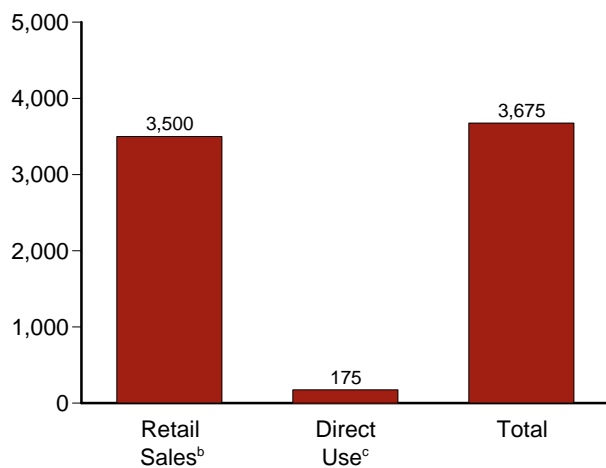
Net Generation by Sector, 1989-2003



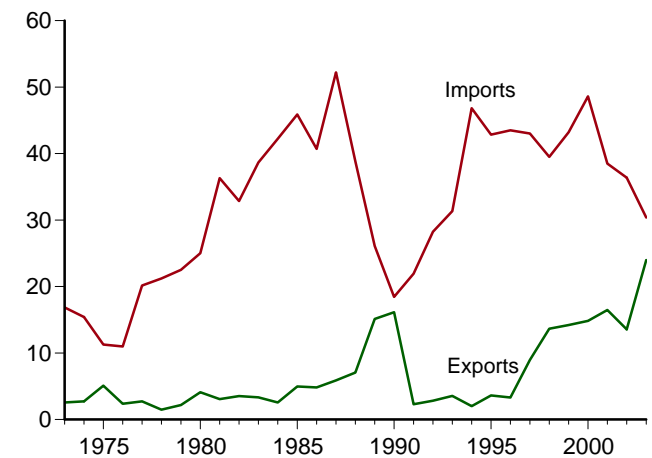
Net Generation by Sector, Monthly



End Use, 2003



Trade, 1973-2003



<sup>a</sup>Includes commercial sector.

<sup>b</sup>Electricity retail sales to ultimate customers reported by electric utilities and other energy service providers.

<sup>c</sup>Commercial and industrial facility use of onsite net electricity generation;

and electricity sales among adjacent or co-located facilities for which revenue information is not available.

Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

Sources: Table 7.1.

**Table 7.1 Electricity Overview**  
(Billion Kilowatthours)

|                    | Net Generation                     |                                |                                |       | Imports <sup>d</sup> | Exports <sup>d</sup> | Losses and Unaccounted for <sup>e</sup> | End Use                   |                         |       |
|--------------------|------------------------------------|--------------------------------|--------------------------------|-------|----------------------|----------------------|---|---------------------------|-------------------------|-------|
|                    | Electric Power Sector <sup>a</sup> | Commercial Sector <sup>b</sup> | Industrial Sector <sup>c</sup> | Total |                      |                      |   | Retail Sales <sup>f</sup> | Direct Use <sup>g</sup> | Total |
| 1973 Total         | 1,861                              | NA                             | 3                              | 1,864 | 17                   | 3                    | 165                                     | 1,713                     | NA                      | 1,713 |
| 1974 Total         | 1,867                              | NA                             | 3                              | 1,870 | 15                   | 3                    | 177                                     | 1,706                     | NA                      | 1,706 |
| 1975 Total         | 1,918                              | NA                             | 3                              | 1,921 | 11                   | 5                    | 180                                     | 1,747                     | NA                      | 1,747 |
| 1976 Total         | 2,038                              | NA                             | 3                              | 2,041 | 11                   | 2                    | 194                                     | 1,855                     | NA                      | 1,855 |
| 1977 Total         | 2,124                              | NA                             | 3                              | 2,127 | 20                   | 3                    | 197                                     | 1,948                     | NA                      | 1,948 |
| 1978 Total         | 2,206                              | NA                             | 3                              | 2,209 | 21                   | 1                    | 211                                     | 2,018                     | NA                      | 2,018 |
| 1979 Total         | 2,247                              | NA                             | 3                              | 2,251 | 23                   | 2                    | 200                                     | 2,071                     | NA                      | 2,071 |
| 1980 Total         | 2,286                              | NA                             | 3                              | 2,290 | 25                   | 4                    | 216                                     | 2,094                     | NA                      | 2,094 |
| 1981 Total         | 2,295                              | NA                             | 3                              | 2,298 | 36                   | 3                    | 184                                     | 2,147                     | NA                      | 2,147 |
| 1982 Total         | 2,241                              | NA                             | 3                              | 2,244 | 33                   | 4                    | 187                                     | 2,086                     | NA                      | 2,086 |
| 1983 Total         | 2,310                              | NA                             | 3                              | 2,313 | 39                   | 3                    | 198                                     | 2,151                     | NA                      | 2,151 |
| 1984 Total         | 2,416                              | NA                             | 3                              | 2,419 | 42                   | 3                    | 173                                     | 2,286                     | NA                      | 2,286 |
| 1985 Total         | 2,470                              | NA                             | 3                              | 2,473 | 46                   | 5                    | 190                                     | 2,324                     | NA                      | 2,324 |
| 1986 Total         | 2,487                              | NA                             | 3                              | 2,490 | 41                   | 5                    | 158                                     | 2,369                     | NA                      | 2,369 |
| 1987 Total         | 2,572                              | NA                             | 3                              | 2,575 | 52                   | 6                    | 164                                     | 2,457                     | NA                      | 2,457 |
| 1988 Total         | 2,704                              | NA                             | 3                              | 2,707 | 39                   | 7                    | 161                                     | 2,578                     | NA                      | 2,578 |
| 1989 Total         | 2,848                              | 4                              | 115                            | 2,967 | 26                   | 15                   | 223                                     | 2,647                     | 108                     | 2,755 |
| 1990 Total         | 2,901                              | 6                              | 131                            | 3,038 | 18                   | 16                   | 214                                     | 2,713                     | 114                     | 2,827 |
| 1991 Total         | 2,936                              | 6                              | 133                            | 3,074 | 22                   | 2                    | 213                                     | 2,762                     | 118                     | 2,880 |
| 1992 Total         | 2,934                              | 6                              | 143                            | 3,084 | 28                   | 3                    | 224                                     | 2,763                     | 122                     | 2,886 |
| 1993 Total         | 3,044                              | 7                              | 146                            | 3,197 | 31                   | 4                    | 236                                     | 2,861                     | 128                     | 2,989 |
| 1994 Total         | 3,089                              | 8                              | 151                            | 3,248 | 47                   | 2                    | 224                                     | 2,935                     | 134                     | 3,069 |
| 1995 Total         | 3,194                              | 8                              | 151                            | 3,353 | 43                   | 4                    | 235                                     | 3,013                     | 144                     | 3,157 |
| 1996 Total         | 3,284                              | 9                              | 151                            | 3,444 | 43                   | 3                    | 237                                     | 3,101                     | 146                     | 3,247 |
| 1997 Total         | 3,329                              | 9                              | 154                            | 3,492 | 43                   | 9                    | 232                                     | 3,146                     | 148                     | 3,294 |
| 1998 Total         | 3,457                              | 9                              | 154                            | 3,620 | 40                   | 14                   | 221                                     | 3,264                     | 161                     | 3,425 |
| 1999 Total         | 3,530                              | 9                              | 156                            | 3,695 | 43                   | 14                   | 229                                     | 3,312                     | 183                     | 3,495 |
| 2000 Total         | 3,638                              | 8                              | 157                            | 3,802 | 49                   | 15                   | 231                                     | 3,421                     | 183                     | 3,605 |
| 2001 Total         | 3,580                              | 7                              | 149                            | 3,737 | 39                   | 16                   | 215                                     | 3,370                     | E 174                   | 3,544 |
| 2002 January       | 306                                | 1                              | 13                             | 320   | 3                    | 1                    | 15                                      | 292                       | E 15                    | 307   |
| February           | 269                                | (s)                            | 12                             | 282   | 3                    | 1                    | 6                                       | 264                       | E 14                    | 278   |
| March              | 289                                | 1                              | 13                             | 303   | 3                    | 2                    | 22                                      | 267                       | E 15                    | 282   |
| April              | 277                                | 1                              | 12                             | 290   | 3                    | 1                    | 19                                      | 259                       | E 15                    | 273   |
| May                | 295                                | 1                              | 13                             | 308   | 2                    | 2                    | 24                                      | 269                       | E 15                    | 284   |
| June               | 328                                | 1                              | 13                             | 341   | 3                    | 1                    | 30                                      | 298                       | E 15                    | 313   |
| July               | 367                                | 1                              | 14                             | 382   | 4                    | 1                    | 33                                      | 337                       | E 15                    | 352   |
| August             | 360                                | 1                              | 13                             | 375   | 4                    | 1                    | 24                                      | 338                       | E 15                    | 353   |
| September          | 318                                | 1                              | 13                             | 331   | 3                    | 1                    | 9                                       | 309                       | E 15                    | 324   |
| October            | 294                                | 1                              | 12                             | 307   | 2                    | 1                    | 11                                      | 283                       | E 15                    | 298   |
| November           | 283                                | 1                              | 12                             | 296   | 3                    | 1                    | 21                                      | 262                       | E 15                    | 276   |
| December           | 312                                | 1                              | 13                             | 325   | 2                    | 1                    | 27                                      | 284                       | E 15                    | 299   |
| Total              | 3,698                              | 7                              | 153                            | 3,858 | 36                   | 14                   | 241                                     | 3,463                     | E 178                   | 3,641 |
| 2003 January       | 323                                | 1                              | 14                             | 338   | 3                    | 1                    | 16                                      | 308                       | E 15                    | 323   |
| February           | 284                                | 1                              | 12                             | 297   | 3                    | 2                    | 1                                       | 283                       | E 13                    | 297   |
| March              | 289                                | 1                              | 13                             | 303   | 3                    | 3                    | 14                                      | 274                       | E 15                    | 289   |
| April              | 270                                | 1                              | 12                             | 283   | 3                    | 2                    | 13                                      | 256                       | E 14                    | 270   |
| May                | 292                                | 1                              | 11                             | 305   | 3                    | 2                    | 21                                      | 269                       | E 15                    | 284   |
| June               | 311                                | 1                              | 12                             | 324   | 3                    | 2                    | 21                                      | 289                       | E 14                    | 304   |
| July               | 358                                | 1                              | 13                             | 372   | 4                    | 1                    | 26                                      | 334                       | E 15                    | 348   |
| August             | 364                                | 1                              | 13                             | 378   | 4                    | 1                    | 24                                      | 341                       | E 15                    | 356   |
| September          | 304                                | 1                              | 11                             | 316   | 2                    | 2                    | -6                                      | 307                       | E 14                    | 322   |
| October            | 291                                | 1                              | 13                             | 305   | 1                    | 3                    | 9                                       | 279                       | E 15                    | 293   |
| November           | 284                                | 1                              | 13                             | 298   | 1                    | 2                    | 19                                      | 264                       | E 14                    | 279   |
| December           | 317                                | 1                              | 13                             | 331   | 2                    | 2                    | 21                                      | 295                       | E 15                    | 310   |
| Total              | 3,691                              | 8                              | 150                            | 3,848 | 30                   | 24                   | 179                                     | 3,500                     | E 175                   | 3,675 |
| 2004 January       | 331                                | 1                              | 13                             | 344   | 2                    | 2                    | 23                                      | 307                       | E 15                    | 322   |
| February           | 300                                | 1                              | 12                             | 313   | 2                    | 2                    | R 12                                    | R 287                     | E 14                    | R 301 |
| March              | 292                                | 1                              | 12                             | 305   | 2                    | 3                    | 11                                      | 278                       | E 15                    | 293   |
| April              | 275                                | 1                              | 12                             | 288   | 2                    | 2                    | R 11                                    | 262                       | E 14                    | R 277 |
| May                | 311                                | 1                              | 13                             | 325   | 2                    | 2                    | 31                                      | 279                       | E 15                    | 294   |
| June               | R 328                              | 1                              | 13                             | R 341 | 3                    | 2                    | R 20                                    | R 308                     | E 14                    | R 322 |
| July               | 358                                | 1                              | 13                             | 372   | 4                    | 1                    | 26                                      | 334                       | E 15                    | 349   |
| 7-Month Total      | 2,195                              | 4                              | 89                             | 2,289 | 18                   | 15                   | 133                                     | 2,056                     | E 102                   | 2,158 |
| 2003 7-Month Total | 2,129                              | 5                              | 86                             | 2,220 | 20                   | 13                   | 113                                     | 2,013                     | E 102                   | 2,115 |
| 2002 7-Month Total | 2,131                              | 4                              | 89                             | 2,224 | 22                   | 8                    | 149                                     | 1,987                     | E 103                   | 2,090 |

<sup>a</sup> 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.

<sup>b</sup> Commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See note at end of section.

<sup>c</sup> Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See note at end of section. Through 1988, includes industrial hydroelectric power only.

<sup>d</sup> Electricity transmitted across U.S. borders with Canada and Mexico.

<sup>e</sup> Energy losses that occur between the point of generation and delivery to the customer, and data collection frame differences and nonsampling error. See Note 12 at end of Section 2 for discussion on electrical system energy losses.

<sup>f</sup> Electricity retail sales to ultimate customers reported by electric utilities and

other energy service providers.

<sup>g</sup> Commercial and industrial facility use of onsite net electricity generation; and electricity sales among adjacent or co-located facilities for which revenue information is not available.

R=Revised. E=Estimate. NA=Not available. (s)=Less than 0.5 billion kilowatthours.

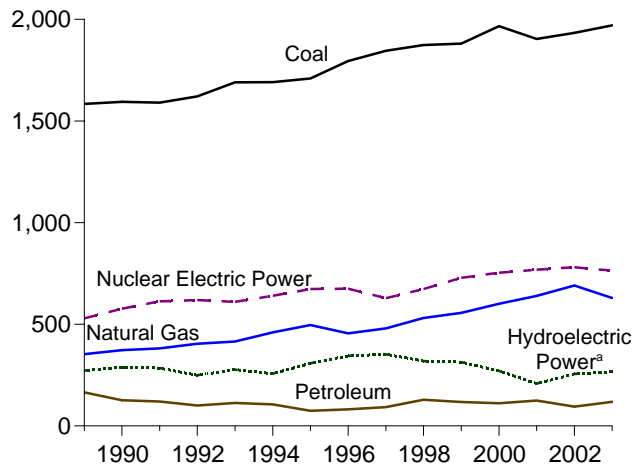
Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

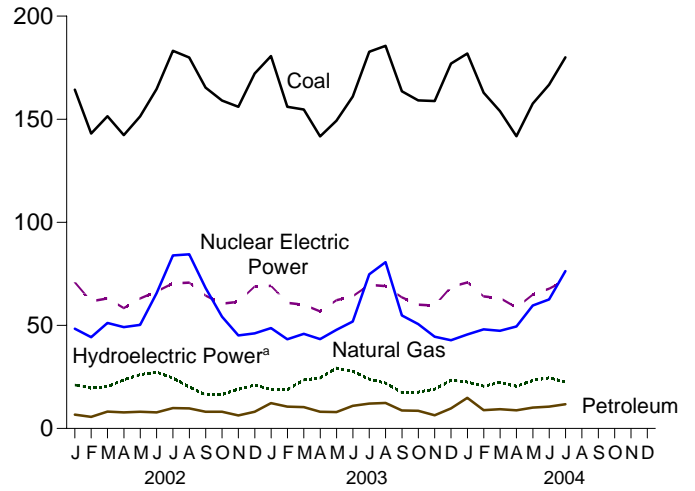
Sources: • **Net Generation:** Tables 7.2a-7.2c. • **Imports and Exports:** See end of section. • **Losses and Unaccounted for:** Calculated as the sum of total net generation and imports minus total end use and exports. • **End Use:** Table 7.5.

**Figure 7.2 Electricity Net Generation**  
(Billion Kilowatthours)

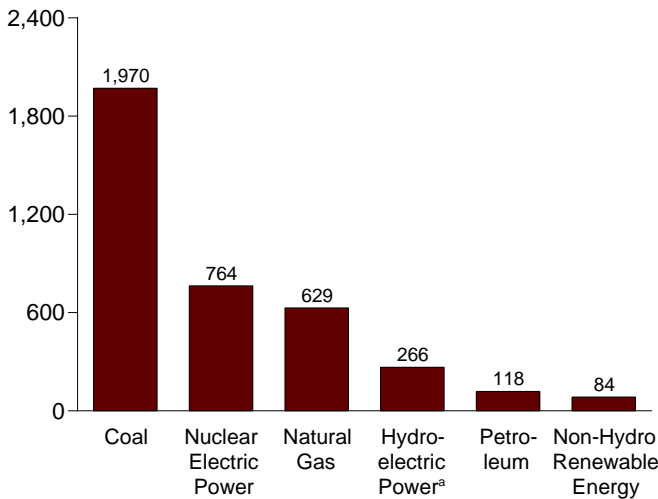
Total (All Sectors), Major Sources, 1989-2003



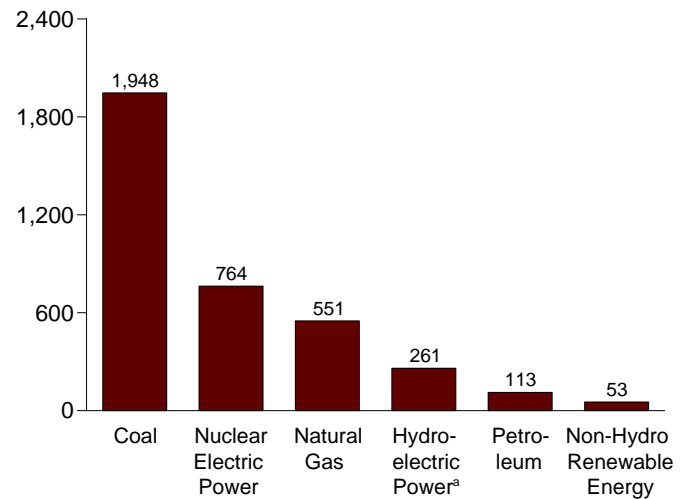
Total (All Sectors), Major Sources, Monthly



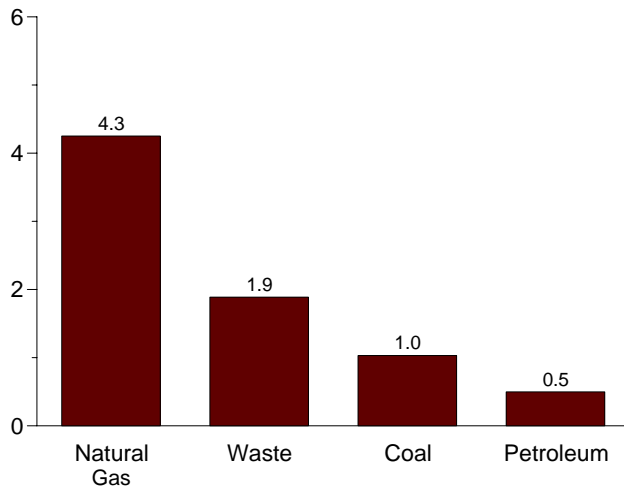
Total (All Sectors), Major Sources, 2003



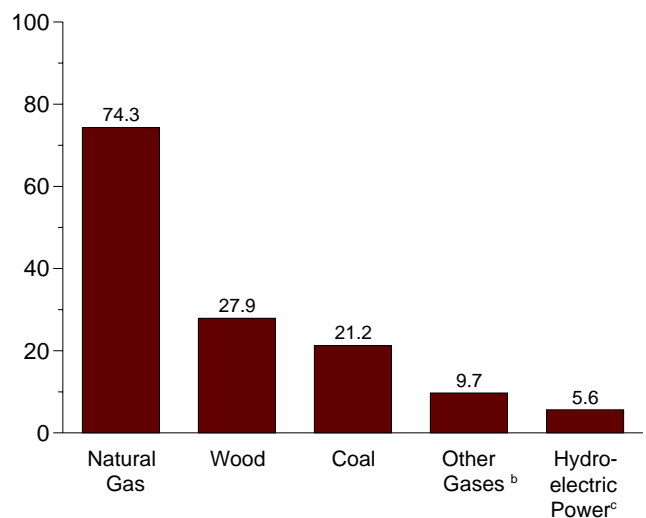
Electric Power Sector, Major Sources, 2003



Commercial Sector, Major Sources, 2003



Industrial Sector, Major Sources, 2003



<sup>a</sup>Conventional and pumped storage hydroelectric power.

<sup>b</sup>Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>c</sup>Conventional only.

Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

Sources: Tables 7.2a, 7.2b, and 7.2c.





**Table 7.2c Electricity Net Generation: Commercial and Industrial Sectors**  
(Million Kilowatthours)

|                                 | Commercial Sector <sup>a</sup> |                         |                          |                    |                    | Industrial Sector <sup>b</sup> |                         |                          |                          |                          |                   |                    |                    |
|---------------------------------|--------------------------------|-------------------------|--------------------------|--------------------|--------------------|--------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|
|                                 | Coal <sup>c</sup>              | Petro-leum <sup>d</sup> | Natural Gas <sup>e</sup> | Waste <sup>f</sup> | Total <sup>g</sup> | Coal <sup>c</sup>              | Petro-leum <sup>d</sup> | Natural Gas <sup>e</sup> | Other Gases <sup>h</sup> | Hydro-power <sup>i</sup> | Wood <sup>j</sup> | Waste <sup>f</sup> | Total <sup>k</sup> |
| <b>1989 Total</b> .....         | 736                            | 558                     | 2,155                    | 527                | 4,251              | 20,677                         | 4,955                   | 53,179                   | 7,297                    | 2,722                    | 21,557            | 893                | 114,828            |
| <b>1990 Total</b> .....         | 796                            | 589                     | 3,272                    | 812                | 5,837              | 21,107                         | 7,169                   | 60,007                   | 9,641                    | 2,975                    | 25,379            | 949                | 130,830            |
| <b>1991 Total</b> .....         | 775                            | 413                     | 3,213                    | 883                | 5,659              | 21,002                         | 6,540                   | 60,567                   | 10,501                   | 2,844                    | 25,863            | 927                | 132,579            |
| <b>1992 Total</b> .....         | 749                            | 302                     | 3,867                    | 961                | 6,228              | 22,743                         | 7,615                   | 65,933                   | 11,953                   | 2,950                    | 27,916            | 932                | 143,280            |
| <b>1993 Total</b> .....         | 864                            | 334                     | 4,471                    | 1,018              | 7,000              | 23,742                         | 7,028                   | 68,234                   | 11,890                   | 2,871                    | 28,358            | 1,092              | 146,294            |
| <b>1994 Total</b> .....         | 850                            | 417                     | 4,929                    | 1,162              | 7,619              | 23,568                         | 6,808                   | 69,600                   | 12,112                   | 6,028                    | 28,650            | 983                | 151,178            |
| <b>1995 Total</b> .....         | 998                            | 379                     | 5,162                    | 1,519              | 8,232              | 22,372                         | 6,030                   | 71,717                   | 11,943                   | 5,304                    | 28,868            | 900                | 151,025            |
| <b>1996 Total</b> .....         | 1,051                          | 369                     | 5,249                    | 2,176              | 9,030              | 22,172                         | 6,260                   | 71,049                   | 13,015                   | 5,878                    | 28,354            | 919                | 151,017            |
| <b>1997 Total</b> .....         | 1,040                          | 427                     | 4,725                    | 2,342              | 8,701              | 23,214                         | 5,649                   | 75,078                   | 11,814                   | 5,685                    | 28,225            | 882                | 154,097            |
| <b>1998 Total</b> .....         | 985                            | 383                     | 4,879                    | 2,335              | 8,748              | 22,337                         | 6,206                   | 77,085                   | 11,170                   | 5,349                    | 27,693            | 880                | 154,132            |
| <b>1999 Total</b> .....         | 995                            | 434                     | 4,607                    | 2,393              | 8,563              | 21,474                         | 6,088                   | 78,793                   | 12,519                   | 4,758                    | 28,060            | 686                | 156,264            |
| <b>2000 Total</b> .....         | 1,097                          | 432                     | 4,262                    | 1,985              | 7,903              | 22,056                         | 5,597                   | 78,798                   | 11,927                   | 4,135                    | 28,652            | 839                | 156,673            |
| <b>2001 Total</b> .....         | 995                            | 438                     | 4,434                    | 1,464              | 7,416              | 20,135                         | 5,293                   | 79,755                   | 8,454                    | 3,145                    | 26,888            | 815                | 149,175            |
| <b>2002</b> January .....       | 85                             | 35                      | 355                      | 111                | 597                | 1,752                          | 390                     | 7,231                    | 721                      | 296                      | 2,448             | 103                | 13,173             |
| February .....                  | 70                             | 36                      | 291                      | 92                 | 500                | 1,548                          | 327                     | 6,484                    | 653                      | 279                      | 2,190             | 92                 | 11,850             |
| March .....                     | 84                             | 32                      | 338                      | 110                | 573                | 1,677                          | 359                     | 7,001                    | 743                      | 276                      | 2,184             | 103                | 12,654             |
| April .....                     | 66                             | 27                      | 328                      | 117                | 546                | 1,741                          | 343                     | 6,118                    | 759                      | 317                      | 2,535             | 92                 | 12,176             |
| May .....                       | 69                             | 27                      | 314                      | 145                | 566                | 1,691                          | 333                     | 6,761                    | 781                      | 287                      | 2,459             | 86                 | 12,592             |
| June .....                      | 83                             | 30                      | 378                      | 141                | 642                | 1,848                          | 338                     | 6,567                    | 868                      | 255                      | 2,646             | 87                 | 12,829             |
| July .....                      | 101                            | 38                      | 448                      | 145                | 743                | 2,092                          | 371                     | 7,079                    | 873                      | 273                      | 2,638             | 103                | 13,820             |
| August .....                    | 102                            | 37                      | 490                      | 157                | 797                | 1,891                          | 350                     | 7,051                    | 915                      | 277                      | 2,589             | 102                | 13,438             |
| September .....                 | 88                             | 34                      | 392                      | 153                | 676                | 1,782                          | 339                     | 6,388                    | 872                      | 247                      | 2,505             | 89                 | 12,628             |
| October .....                   | 78                             | 31                      | 344                      | 138                | 600                | 1,827                          | 395                     | 5,925                    | 737                      | 343                      | 2,607             | 75                 | 12,363             |
| November .....                  | 78                             | 38                      | 294                      | 142                | 554                | 1,804                          | 432                     | 6,131                    | 730                      | 447                      | 2,405             | 89                 | 12,361             |
| December .....                  | 88                             | 65                      | 339                      | 120                | 622                | 1,872                          | 426                     | 6,277                    | 840                      | 529                      | 2,439             | 83                 | 12,697             |
| <b>Total</b> .....              | <b>992</b>                     | <b>431</b>              | <b>4,310</b>             | <b>1,572</b>       | <b>7,415</b>       | <b>21,525</b>                  | <b>4,403</b>            | <b>79,013</b>            | <b>9,493</b>             | <b>3,825</b>             | <b>29,643</b>     | <b>1,104</b>       | <b>152,580</b>     |
| <b>2003</b> January .....       | 90                             | 98                      | 376                      | 132                | 703                | 2,017                          | 587                     | 7,250                    | 797                      | 413                      | 2,155             | 75                 | 13,591             |
| February .....                  | 86                             | 77                      | 293                      | 121                | 584                | 1,710                          | 462                     | 6,220                    | 633                      | 362                      | 1,980             | 69                 | 11,685             |
| March .....                     | 85                             | 42                      | 356                      | 168                | 662                | 1,804                          | 476                     | 6,460                    | 802                      | 524                      | 2,396             | 88                 | 13,001             |
| April .....                     | 81                             | 23                      | 341                      | 171                | 632                | 1,696                          | 381                     | 5,698                    | 610                      | 414                      | 2,288             | 77                 | 11,593             |
| May .....                       | 66                             | 23                      | 415                      | 168                | 694                | 1,663                          | 406                     | 5,472                    | 652                      | 539                      | 2,187             | 85                 | 11,425             |
| June .....                      | 83                             | 32                      | 466                      | 165                | 752                | 1,686                          | 436                     | 6,150                    | 769                      | 499                      | 2,253             | 81                 | 12,225             |
| July .....                      | 100                            | 39                      | 396                      | 164                | 713                | 1,890                          | 434                     | 6,468                    | 805                      | 498                      | 2,289             | 82                 | 12,825             |
| August .....                    | 103                            | 44                      | 427                      | 161                | 745                | 1,892                          | 407                     | 6,748                    | 729                      | 497                      | 2,173             | 97                 | 12,963             |
| September .....                 | 87                             | 27                      | 284                      | 152                | 554                | 1,602                          | 343                     | 5,465                    | 736                      | 428                      | 1,992             | 101                | 11,001             |
| October .....                   | 79                             | 27                      | 322                      | 171                | 604                | 1,738                          | 461                     | 6,342                    | 926                      | 407                      | 2,389             | 100                | 12,766             |
| November .....                  | 82                             | 26                      | 293                      | 146                | 552                | 1,669                          | 345                     | 5,973                    | 1,124                    | 440                      | 3,281             | 102                | 13,315             |
| December .....                  | 89                             | 43                      | 284                      | 167                | 590                | 1,867                          | 497                     | 6,062                    | 1,125                    | 601                      | 2,511             | 98                 | 13,146             |
| <b>Total</b> .....              | <b>1,033</b>                   | <b>499</b>              | <b>4,252</b>             | <b>1,888</b>       | <b>7,785</b>       | <b>21,233</b>                  | <b>5,235</b>            | <b>74,308</b>            | <b>9,707</b>             | <b>5,621</b>             | <b>27,895</b>     | <b>1,053</b>       | <b>149,534</b>     |
| <b>2004</b> January .....       | 97                             | 102                     | 297                      | 137                | 639                | 1,929                          | 642                     | 5,937                    | 1,118                    | 514                      | 2,389             | 81                 | 12,890             |
| February .....                  | 98                             | 39                      | 313                      | 124                | 583                | 1,786                          | 367                     | 6,073                    | 1,039                    | 440                      | 2,245             | 80                 | 12,209             |
| March .....                     | 91                             | 37                      | 300                      | 141                | 581                | 1,781                          | 374                     | 6,251                    | 1,089                    | 408                      | 2,253             | 87                 | 12,432             |
| April .....                     | 72                             | 34                      | 285                      | 149                | 550                | 1,659                          | 370                     | 6,069                    | 1,099                    | 363                      | 2,325             | 107                | 12,186             |
| May .....                       | 90                             | 29                      | 337                      | 164                | 633                | 1,674                          | 362                     | 7,000                    | 1,096                    | 371                      | 2,219             | 101                | 13,042             |
| June .....                      | 97                             | 30                      | 342                      | R 158              | R 638              | R 1,742                        | R 400                   | R 6,722                  | R 1,128                  | 332                      | R 2,224           | R 96               | R 12,903           |
| July .....                      | 105                            | 35                      | 378                      | 160                | 683                | 1,905                          | 405                     | 6,926                    | 1,005                    | 335                      | 2,363             | 104                | 13,391             |
| <b>7-Month Total</b> .....      | <b>648</b>                     | <b>305</b>              | <b>2,252</b>             | <b>1,032</b>       | <b>4,307</b>       | <b>12,476</b>                  | <b>2,921</b>            | <b>44,977</b>            | <b>7,572</b>             | <b>2,764</b>             | <b>16,018</b>     | <b>657</b>         | <b>89,052</b>      |
| <b>2003 7-Month Total</b> ..... | <b>592</b>                     | <b>333</b>              | <b>2,643</b>             | <b>1,090</b>       | <b>4,739</b>       | <b>12,465</b>                  | <b>3,182</b>            | <b>43,717</b>            | <b>5,068</b>             | <b>3,249</b>             | <b>15,549</b>     | <b>555</b>         | <b>86,343</b>      |
| <b>2002 7-Month Total</b> ..... | <b>558</b>                     | <b>226</b>              | <b>2,452</b>             | <b>861</b>         | <b>4,166</b>       | <b>12,351</b>                  | <b>2,462</b>            | <b>47,240</b>            | <b>5,400</b>             | <b>1,982</b>             | <b>17,099</b>     | <b>667</b>         | <b>89,093</b>      |

<sup>a</sup> Commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See note at end of section.

<sup>b</sup> Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See note at end of section.

<sup>c</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>d</sup> Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

<sup>e</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>f</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>g</sup> Includes a small amount of other gases, wood, and other, which are not separately displayed.

<sup>h</sup> Blast furnace gas, propane gas, and other manufactured and waste gases

derived from fossil fuels.

<sup>i</sup> Conventional hydroelectric power.

<sup>j</sup> Wood, black liquor, and other wood waste.

<sup>k</sup> Includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies, which are not separately displayed.

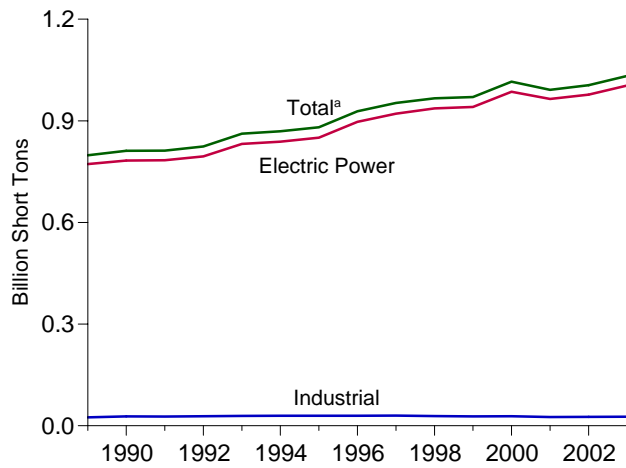
R=Revised.

Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia. Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

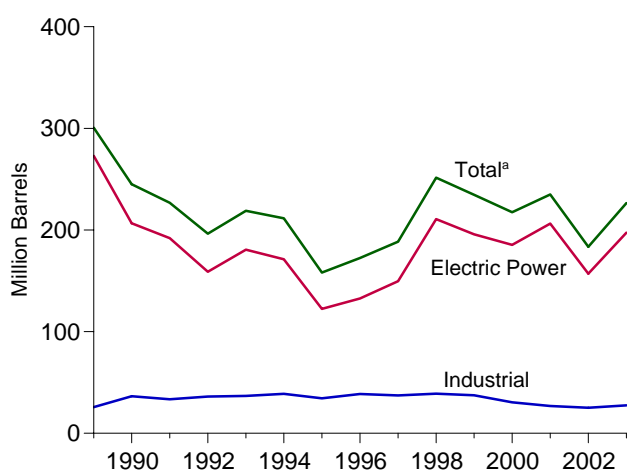
Sources: • **1989-1997:** Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • **1998-2000:** EIA, Form EIA-860B, "Annual Electric Generator Report-Nonutility." • **2001 and 2002:** EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report." • **2003 forward:** EIA, Form EIA-906, "Power Plant Report."

**Figure 7.3a Consumption of Selected Combustible Fuels for Electricity Generation and Useful Thermal Output**

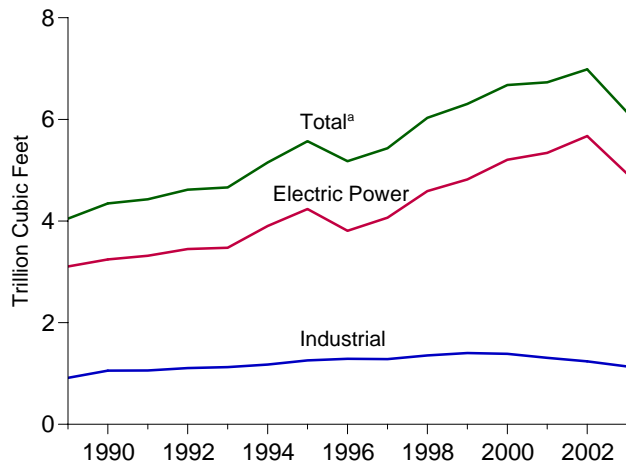
Coal by Sector, 1989-2003



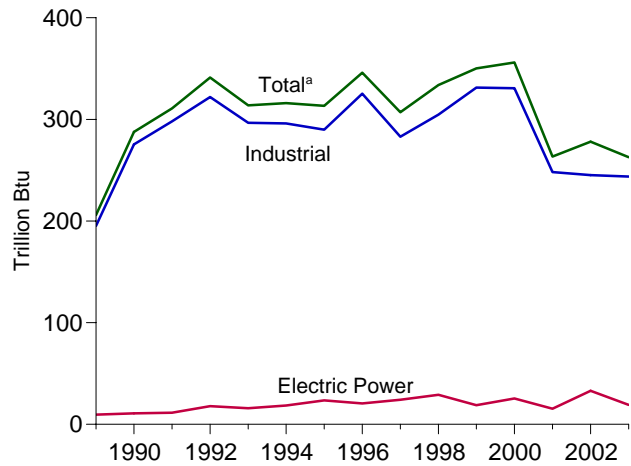
Petroleum by Sector, 1989-2003



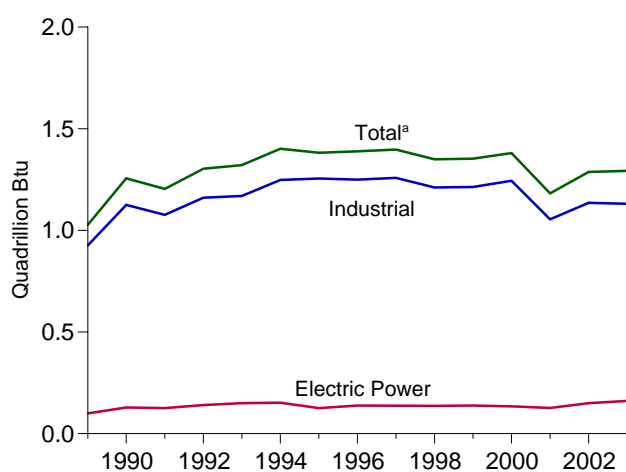
Natural Gas by Sector, 1989-2003



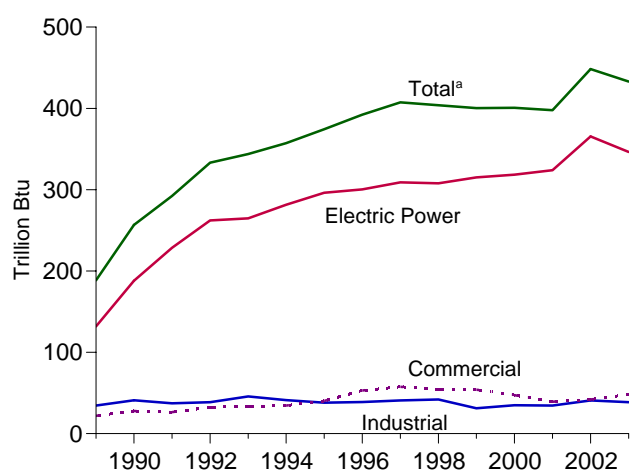
Other Gases<sup>b</sup> by Sector, 1989-2003



Wood by Sector, 1989-2003



Waste by Sector, 1989-2003



<sup>a</sup>Includes commercial sector.

<sup>b</sup>Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

Note: Because vertical scales differ, graphs should not be compared.  
Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.  
Sources: Tables 7.3a, 7.3b, and 7.3c.



**Table 7.3a Consumption of Combustible Fuels for Electricity Generation and Useful Thermal Output: Total (All Sectors)**

|                                 | Coal <sup>a</sup>   | Petroleum                        |                                |                            |                             |                     | Natural Gas <sup>f</sup> | Other Gases <sup>g</sup> | Wood <sup>h</sup> | Waste <sup>i</sup> | Other <sup>j</sup> |
|---------------------------------|---------------------|----------------------------------|--------------------------------|----------------------------|-----------------------------|---------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|
|                                 |                     | Distillate Fuel Oil <sup>b</sup> | Residual Fuel Oil <sup>c</sup> | Other Liquids <sup>d</sup> | Petroleum Coke <sup>e</sup> | Total <sup>e</sup>  |                          |                          |                   |                    |                    |
|                                 |                     |                                  |                                |                            |                             |                     |                          |                          |                   |                    |                    |
| <b>1989 Total</b> .....         | <b>798,181</b>      | <b>29,143</b>                    | <b>266,211</b>                 | <b>656</b>                 | <b>915</b>                  | <b>300,583</b>      | <b>4,049</b>             | <b>206</b>               | <b>1,028</b>      | <b>189</b>         | <b>88</b>          |
| <b>1990 Total</b> .....         | <b>811,538</b>      | <b>20,194</b>                    | <b>209,314</b>                 | <b>1,332</b>               | <b>2,832</b>                | <b>244,998</b>      | <b>4,346</b>             | <b>288</b>               | <b>1,256</b>      | <b>257</b>         | <b>86</b>          |
| <b>1991 Total</b> .....         | <b>812,124</b>      | <b>19,590</b>                    | <b>193,073</b>                 | <b>1,215</b>               | <b>2,566</b>                | <b>226,708</b>      | <b>4,429</b>             | <b>311</b>               | <b>1,204</b>      | <b>292</b>         | <b>114</b>         |
| <b>1992 Total</b> .....         | <b>824,512</b>      | <b>16,852</b>                    | <b>160,941</b>                 | <b>1,695</b>               | <b>3,366</b>                | <b>196,318</b>      | <b>4,618</b>             | <b>341</b>               | <b>1,303</b>      | <b>333</b>         | <b>92</b>          |
| <b>1993 Total</b> .....         | <b>861,904</b>      | <b>19,293</b>                    | <b>176,992</b>                 | <b>1,571</b>               | <b>4,200</b>                | <b>218,855</b>      | <b>4,662</b>             | <b>314</b>               | <b>1,321</b>      | <b>344</b>         | <b>85</b>          |
| <b>1994 Total</b> .....         | <b>869,405</b>      | <b>25,177</b>                    | <b>164,047</b>                 | <b>1,539</b>               | <b>4,157</b>                | <b>211,547</b>      | <b>5,151</b>             | <b>316</b>               | <b>1,401</b>      | <b>357</b>         | <b>92</b>          |
| <b>1995 Total</b> .....         | <b>881,012</b>      | <b>21,697</b>                    | <b>112,168</b>                 | <b>1,322</b>               | <b>4,590</b>                | <b>158,140</b>      | <b>5,572</b>             | <b>313</b>               | <b>1,382</b>      | <b>374</b>         | <b>97</b>          |
| <b>1996 Total</b> .....         | <b>928,015</b>      | <b>22,444</b>                    | <b>124,607</b>                 | <b>2,468</b>               | <b>4,596</b>                | <b>172,499</b>      | <b>5,178</b>             | <b>346</b>               | <b>1,389</b>      | <b>392</b>         | <b>91</b>          |
| <b>1997 Total</b> .....         | <b>952,955</b>      | <b>22,893</b>                    | <b>134,623</b>                 | <b>526</b>                 | <b>6,095</b>                | <b>188,517</b>      | <b>5,433</b>             | <b>307</b>               | <b>1,397</b>      | <b>407</b>         | <b>103</b>         |
| <b>1998 Total</b> .....         | <b>966,615</b>      | <b>30,006</b>                    | <b>189,267</b>                 | <b>1,230</b>               | <b>6,196</b>                | <b>251,486</b>      | <b>6,030</b>             | <b>334</b>               | <b>1,349</b>      | <b>404</b>         | <b>95</b>          |
| <b>1999 Total</b> .....         | <b>970,175</b>      | <b>30,616</b>                    | <b>172,319</b>                 | <b>1,812</b>               | <b>5,989</b>                | <b>234,694</b>      | <b>6,305</b>             | <b>350</b>               | <b>1,352</b>      | <b>400</b>         | <b>101</b>         |
| <b>2000 Total</b> .....         | <b>1,015,398</b>    | <b>34,572</b>                    | <b>156,673</b>                 | <b>2,904</b>               | <b>4,669</b>                | <b>217,494</b>      | <b>6,677</b>             | <b>356</b>               | <b>1,380</b>      | <b>401</b>         | <b>109</b>         |
| <b>2001 Total</b> .....         | <b>991,635</b>      | <b>33,724</b>                    | <b>177,137</b>                 | <b>1,418</b>               | <b>4,532</b>                | <b>234,940</b>      | <b>6,731</b>             | <b>263</b>               | <b>1,182</b>      | <b>398</b>         | <b>94</b>          |
| <b>2002</b>                     |                     |                                  |                                |                            |                             |                     |                          |                          |                   |                    |                    |
| January .....                   | 84,830              | 2,073                            | 8,147                          | 295                        | 570                         | 13,365              | 501                      | 23                       | 109               | 37                 | 7                  |
| February .....                  | 74,236              | 1,343                            | 6,768                          | 185                        | 566                         | 11,125              | 449                      | 20                       | 94                | 33                 | 8                  |
| March .....                     | 78,096              | 2,078                            | 10,451                         | 267                        | 603                         | 15,812              | 520                      | 22                       | 99                | 37                 | 8                  |
| April .....                     | 73,775              | 1,904                            | 9,743                          | 259                        | 575                         | 14,779              | 508                      | 21                       | 100               | 35                 | 7                  |
| May .....                       | 78,744              | 2,261                            | 9,748                          | 297                        | 634                         | 15,475              | 523                      | 22                       | 108               | 37                 | 6                  |
| June .....                      | 85,778              | 1,853                            | 9,761                          | 216                        | 693                         | 15,296              | 660                      | 24                       | 101               | 38                 | 6                  |
| July .....                      | 95,331              | 2,849                            | 12,533                         | 309                        | 654                         | 18,963              | 852                      | 25                       | 116               | 40                 | 9                  |
| August .....                    | 94,033              | 2,637                            | 12,336                         | 283                        | 709                         | 18,798              | 833                      | 24                       | 103               | 40                 | 7                  |
| September .....                 | 86,410              | 1,862                            | 10,086                         | 211                        | 651                         | 15,414              | 676                      | 25                       | 113               | 37                 | 9                  |
| October .....                   | 83,060              | 2,172                            | 10,271                         | 261                        | 572                         | 15,563              | 546                      | 23                       | 120               | 37                 | 9                  |
| November .....                  | 81,654              | 1,689                            | 8,045                          | 285                        | 533                         | 12,686              | 454                      | 24                       | 108               | 37                 | 8                  |
| December .....                  | 89,198              | 2,028                            | 10,747                         | 388                        | 594                         | 16,132              | 464                      | 25                       | 114               | 39                 | 7                  |
| <b>Total</b> .....              | <b>1,005,144</b>    | <b>24,749</b>                    | <b>118,637</b>                 | <b>3,257</b>               | <b>7,353</b>                | <b>183,409</b>      | <b>6,986</b>             | <b>278</b>               | <b>1,287</b>      | <b>448</b>         | <b>93</b>          |
| <b>2003</b>                     |                     |                                  |                                |                            |                             |                     |                          |                          |                   |                    |                    |
| January .....                   | 93,739              | 5,235                            | 15,522                         | 398                        | 527                         | 23,791              | 480                      | 21                       | 97                | 32                 | 4                  |
| February .....                  | 81,134              | 4,228                            | 13,434                         | 542                        | 438                         | 20,395              | 427                      | 19                       | 92                | 30                 | 4                  |
| March .....                     | 81,148              | 3,704                            | 13,768                         | 400                        | 395                         | 19,845              | 457                      | 23                       | 110               | 36                 | 5                  |
| April .....                     | 74,192              | 1,783                            | 11,277                         | 353                        | 538                         | 16,103              | 425                      | 20                       | 103               | 35                 | 5                  |
| May .....                       | 78,760              | 3,192                            | 9,724                          | 465                        | 516                         | 15,963              | 472                      | 18                       | 99                | 36                 | 5                  |
| June .....                      | 84,916              | 3,410                            | 13,330                         | 537                        | 624                         | 20,396              | 510                      | 22                       | 105               | 36                 | 4                  |
| July .....                      | 95,854              | 2,531                            | 15,918                         | 623                        | 710                         | 22,623              | 715                      | 23                       | 110               | 39                 | 4                  |
| August .....                    | 97,190              | 2,265                            | 16,990                         | 494                        | 684                         | 23,171              | 766                      | 22                       | 106               | 38                 | 4                  |
| September .....                 | 85,811              | 1,333                            | 11,095                         | 454                        | 658                         | 16,173              | 522                      | 19                       | 99                | 34                 | 4                  |
| October .....                   | 83,072              | 1,686                            | 11,055                         | 448                        | 685                         | 16,614              | 495                      | 23                       | 119               | 38                 | 4                  |
| November .....                  | 83,918              | 1,248                            | 7,730                          | 269                        | 680                         | 12,649              | 437                      | 26                       | 133               | 38                 | 4                  |
| December .....                  | 92,769              | 1,992                            | 12,909                         | 232                        | 733                         | 18,800              | 433                      | 28                       | 119               | 40                 | 5                  |
| <b>Total</b> .....              | <b>1,032,503</b>    | <b>32,608</b>                    | <b>152,752</b>                 | <b>5,214</b>               | <b>7,190</b>                | <b>226,522</b>      | <b>6,139</b>             | <b>263</b>               | <b>1,293</b>      | <b>433</b>         | <b>51</b>          |
| <b>2004</b>                     |                     |                                  |                                |                            |                             |                     |                          |                          |                   |                    |                    |
| January .....                   | 95,303              | 4,575                            | 19,330                         | 875                        | 721                         | 28,387              | 437                      | 32                       | 118               | 37                 | 5                  |
| February .....                  | 85,636              | 1,454                            | 12,224                         | 194                        | 607                         | 16,907              | 454                      | 29                       | 107               | 33                 | 3                  |
| March .....                     | 80,425              | 1,399                            | 12,759                         | 209                        | 622                         | 17,478              | 452                      | 33                       | 108               | 35                 | 3                  |
| April .....                     | 74,590              | 1,261                            | 11,726                         | 178                        | 624                         | 16,288              | 465                      | 33                       | 111               | 35                 | 3                  |
| May .....                       | 82,751              | 1,930                            | 13,261                         | 224                        | 653                         | 18,681              | 567                      | 33                       | 103               | 39                 | 3                  |
| June .....                      | <sup>R</sup> 87,827 | <sup>R</sup> 1,665               | <sup>R</sup> 14,635            | <sup>R</sup> 134           | 614                         | <sup>R</sup> 19,504 | <sup>R</sup> 589         | 31                       | <sup>R</sup> 103  | 38                 | <sup>R</sup> 4     |
| July .....                      | 95,263              | 1,465                            | 16,699                         | 185                        | 645                         | 21,576              | 714                      | 29                       | 112               | 37                 | 6                  |
| <b>7-Month Total</b> .....      | <b>601,794</b>      | <b>13,749</b>                    | <b>100,635</b>                 | <b>1,999</b>               | <b>4,487</b>                | <b>138,820</b>      | <b>3,678</b>             | <b>220</b>               | <b>763</b>        | <b>255</b>         | <b>26</b>          |
| <b>2003 7-Month Total</b> ..... | <b>589,743</b>      | <b>24,083</b>                    | <b>92,971</b>                  | <b>3,316</b>               | <b>3,749</b>                | <b>139,115</b>      | <b>3,486</b>             | <b>145</b>               | <b>716</b>        | <b>245</b>         | <b>30</b>          |
| <b>2002 7-Month Total</b> ..... | <b>570,789</b>      | <b>14,361</b>                    | <b>67,152</b>                  | <b>1,829</b>               | <b>4,295</b>                | <b>104,816</b>      | <b>4,012</b>             | <b>157</b>               | <b>728</b>        | <b>257</b>         | <b>51</b>          |

<sup>a</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>b</sup> For 1989-2000, electric utility data are for light oil (fuel oil nos. 1 and 2, and small amounts of kerosene and jet fuel).

<sup>c</sup> For 1989-2000, electric utility data are for heavy oil (fuel oil nos. 5 and 6, and small amounts of fuel oil no. 4).

<sup>d</sup> Jet fuel, kerosene, other petroleum liquids, and waste oil.

<sup>e</sup> Petroleum coke is converted from short tons to barrels by multiplying by 5.

<sup>f</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>g</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>h</sup> Wood, black liquor, and other wood waste.

<sup>i</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>j</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

<sup>R</sup>=Revised.

Notes: • Data are for fuels consumed to produce electricity and useful thermal output at electricity-only and combined-heat-and-power (CHP) plants. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emer/mer/elect.html>

Sources: See sources for Tables 7.3b and 7.3c.

**Table 7.3b Consumption of Combustible Fuels for Electricity Generation and Useful Thermal Output: Electric Power Sector**

|                                 | Coal <sup>a</sup>   | Petroleum                        |                                |                            |                             |                     | Natural Gas <sup>f</sup> | Other Gases <sup>g</sup> | Wood <sup>h</sup> | Waste <sup>i</sup> | Other <sup>j</sup> |
|---------------------------------|---------------------|----------------------------------|--------------------------------|----------------------------|-----------------------------|---------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|
|                                 |                     | Distillate Fuel Oil <sup>b</sup> | Residual Fuel Oil <sup>c</sup> | Other Liquids <sup>d</sup> | Petroleum Coke <sup>e</sup> | Total <sup>e</sup>  |                          |                          |                   |                    |                    |
|                                 |                     | Thousand Short Tons              | Thousand Barrels               |                            |                             | Thousand Short Tons |                          |                          |                   |                    |                    |
| <b>1989 Total</b> .....         | <b>772,190</b>      | <b>26,156</b>                    | <b>244,179</b>                 | <b>10</b>                  | <b>517</b>                  | <b>272,931</b>      | <b>3,105</b>             | <b>9</b>                 | <b>100</b>        | <b>132</b>         | <b>3</b>           |
| <b>1990 Total</b> .....         | <b>782,567</b>      | <b>16,567</b>                    | <b>184,915</b>                 | <b>26</b>                  | <b>1,008</b>                | <b>206,550</b>      | <b>3,245</b>             | <b>11</b>                | <b>129</b>        | <b>188</b>         | <b>(s)</b>         |
| <b>1991 Total</b> .....         | <b>783,874</b>      | <b>14,359</b>                    | <b>172,625</b>                 | <b>59</b>                  | <b>974</b>                  | <b>191,911</b>      | <b>3,316</b>             | <b>11</b>                | <b>126</b>        | <b>229</b>         | <b>4</b>           |
| <b>1992 Total</b> .....         | <b>795,094</b>      | <b>12,623</b>                    | <b>138,726</b>                 | <b>128</b>                 | <b>1,494</b>                | <b>158,948</b>      | <b>3,448</b>             | <b>18</b>                | <b>140</b>        | <b>262</b>         | <b>5</b>           |
| <b>1993 Total</b> .....         | <b>831,645</b>      | <b>14,849</b>                    | <b>152,481</b>                 | <b>239</b>                 | <b>2,611</b>                | <b>180,625</b>      | <b>3,473</b>             | <b>16</b>                | <b>150</b>        | <b>265</b>         | <b>5</b>           |
| <b>1994 Total</b> .....         | <b>838,354</b>      | <b>20,612</b>                    | <b>138,222</b>                 | <b>771</b>                 | <b>2,315</b>                | <b>171,178</b>      | <b>3,903</b>             | <b>19</b>                | <b>152</b>        | <b>282</b>         | <b>3</b>           |
| <b>1995 Total</b> .....         | <b>850,230</b>      | <b>18,553</b>                    | <b>90,023</b>                  | <b>499</b>                 | <b>2,674</b>                | <b>122,447</b>      | <b>4,237</b>             | <b>24</b>                | <b>125</b>        | <b>296</b>         | <b>2</b>           |
| <b>1996 Total</b> .....         | <b>896,921</b>      | <b>18,780</b>                    | <b>99,951</b>                  | <b>653</b>                 | <b>2,642</b>                | <b>132,593</b>      | <b>3,807</b>             | <b>20</b>                | <b>138</b>        | <b>300</b>         | <b>2</b>           |
| <b>1997 Total</b> .....         | <b>921,364</b>      | <b>18,989</b>                    | <b>113,669</b>                 | <b>152</b>                 | <b>3,372</b>                | <b>149,668</b>      | <b>4,065</b>             | <b>24</b>                | <b>137</b>        | <b>309</b>         | <b>1</b>           |
| <b>1998 Total</b> .....         | <b>936,619</b>      | <b>23,300</b>                    | <b>166,528</b>                 | <b>431</b>                 | <b>4,102</b>                | <b>210,769</b>      | <b>4,588</b>             | <b>29</b>                | <b>137</b>        | <b>308</b>         | <b>2</b>           |
| <b>1999 Total</b> .....         | <b>940,922</b>      | <b>24,058</b>                    | <b>152,493</b>                 | <b>544</b>                 | <b>3,735</b>                | <b>195,769</b>      | <b>4,820</b>             | <b>19</b>                | <b>138</b>        | <b>315</b>         | <b>1</b>           |
| <b>2000 Total</b> .....         | <b>985,821</b>      | <b>30,016</b>                    | <b>138,513</b>                 | <b>454</b>                 | <b>3,275</b>                | <b>185,358</b>      | <b>5,206</b>             | <b>25</b>                | <b>134</b>        | <b>318</b>         | <b>1</b>           |
| <b>2001 Total</b> .....         | <b>964,433</b>      | <b>29,274</b>                    | <b>159,504</b>                 | <b>377</b>                 | <b>3,427</b>                | <b>206,291</b>      | <b>5,342</b>             | <b>15</b>                | <b>126</b>        | <b>324</b>         | <b>0</b>           |
| <b>2002 January</b> .....       | 82,424              | 1,838                            | 6,872                          | 92                         | 441                         | 11,007              | 381                      | 3                        | 13                | 30                 | (s)                |
| February .....                  | 72,144              | 1,137                            | 5,789                          | 45                         | 459                         | 9,265               | 344                      | 2                        | 10                | 27                 | 1                  |
| March .....                     | 75,823              | 1,827                            | 9,271                          | 58                         | 486                         | 13,588              | 407                      | 3                        | 13                | 30                 | (s)                |
| April .....                     | 71,560              | 1,740                            | 8,687                          | 105                        | 464                         | 12,851              | 404                      | 2                        | 11                | 28                 | (s)                |
| May .....                       | 76,528              | 2,017                            | 8,671                          | 136                        | 523                         | 13,441              | 410                      | 2                        | 11                | 30                 | 1                  |
| June .....                      | 83,565              | 1,698                            | 8,746                          | 86                         | 564                         | 13,348              | 551                      | 2                        | 12                | 31                 | 1                  |
| July .....                      | 92,766              | 2,613                            | 11,437                         | 173                        | 500                         | 16,721              | 734                      | 3                        | 13                | 33                 | 1                  |
| August .....                    | 91,752              | 2,430                            | 11,306                         | 166                        | 562                         | 16,710              | 718                      | 3                        | 13                | 33                 | 1                  |
| September .....                 | 84,144              | 1,640                            | 9,031                          | 104                        | 511                         | 13,331              | 569                      | 3                        | 14                | 31                 | 1                  |
| October .....                   | 80,714              | 1,921                            | 9,091                          | 93                         | 430                         | 13,255              | 442                      | 3                        | 13                | 30                 | (s)                |
| November .....                  | 79,301              | 1,343                            | 6,687                          | 79                         | 412                         | 10,171              | 352                      | 3                        | 13                | 30                 | (s)                |
| December .....                  | 86,784              | 1,672                            | 9,186                          | 132                        | 464                         | 13,308              | 360                      | 3                        | 14                | 32                 | (s)                |
| <b>Total</b> .....              | <b>977,507</b>      | <b>21,876</b>                    | <b>104,773</b>                 | <b>1,267</b>               | <b>5,816</b>                | <b>156,996</b>      | <b>5,672</b>             | <b>33</b>                | <b>150</b>        | <b>365</b>         | <b>7</b>           |
| <b>2003 January</b> .....       | 91,109              | 4,441                            | 14,061                         | 251                        | 402                         | 20,764              | 367                      | 2                        | 15                | 27                 | (s)                |
| February .....                  | 78,838              | 3,691                            | 11,984                         | 387                        | 343                         | 17,778              | 329                      | 2                        | 12                | 24                 | (s)                |
| March .....                     | 78,770              | 3,273                            | 12,320                         | 260                        | 292                         | 17,311              | 353                      | 2                        | 13                | 29                 | (s)                |
| April .....                     | 71,993              | 1,590                            | 10,123                         | 87                         | 432                         | 13,960              | 333                      | 2                        | 12                | 28                 | (s)                |
| May .....                       | 76,714              | 2,378                            | 8,778                          | 87                         | 401                         | 13,249              | 381                      | 1                        | 11                | 29                 | (s)                |
| June .....                      | 82,659              | 3,159                            | 12,227                         | 99                         | 493                         | 17,951              | 411                      | 1                        | 13                | 29                 | (s)                |
| July .....                      | 93,326              | 2,283                            | 14,758                         | 136                        | 589                         | 20,122              | 609                      | 1                        | 14                | 32                 | (s)                |
| August .....                    | 94,649              | 2,047                            | 15,767                         | 187                        | 575                         | 20,874              | 654                      | 2                        | 15                | 30                 | (s)                |
| September .....                 | 83,695              | 1,192                            | 10,255                         | 91                         | 547                         | 14,273              | 434                      | 2                        | 13                | 27                 | (s)                |
| October .....                   | 80,710              | 1,475                            | 9,724                          | 92                         | 559                         | 14,087              | 391                      | 2                        | 15                | 30                 | (s)                |
| November .....                  | 81,620              | 1,088                            | 6,671                          | 157                        | 577                         | 10,799              | 338                      | 2                        | 14                | 30                 | (s)                |
| December .....                  | 90,201              | 1,668                            | 11,402                         | 124                        | 588                         | 16,133              | 329                      | 2                        | 15                | 32                 | (s)                |
| <b>Total</b> .....              | <b>1,004,283</b>    | <b>28,285</b>                    | <b>138,070</b>                 | <b>1,959</b>               | <b>5,797</b>                | <b>197,301</b>      | <b>4,930</b>             | <b>19</b>                | <b>161</b>        | <b>346</b>         | <b>2</b>           |
| <b>2004 January</b> .....       | 92,386              | 4,036                            | 16,948                         | 700                        | 628                         | 24,825              | 342                      | 2                        | 15                | 30                 | (s)                |
| February .....                  | 83,183              | 1,251                            | 10,723                         | 79                         | 525                         | 14,677              | 356                      | 2                        | 14                | 26                 | (s)                |
| March .....                     | 78,005              | 1,215                            | 11,352                         | 116                        | 542                         | 15,394              | 355                      | 3                        | 14                | 28                 | (s)                |
| April .....                     | 72,349              | 1,098                            | 10,484                         | 85                         | 542                         | 14,377              | 369                      | 3                        | 12                | 28                 | (s)                |
| May .....                       | 80,710              | 1,760                            | 12,136                         | 140                        | 569                         | 16,882              | 456                      | 3                        | 13                | 30                 | (s)                |
| June .....                      | <sup>R</sup> 85,475 | <sup>R</sup> 1,499               | <sup>R</sup> 13,401            | <sup>R</sup> 64            | 515                         | <sup>R</sup> 17,539 | <sup>R</sup> 486         | <sup>R</sup> 3           | <sup>R</sup> 12   | 29                 | (s)                |
| July .....                      | 92,731              | 1,309                            | 15,409                         | 77                         | 546                         | 19,525              | 601                      | 3                        | 16                | 30                 | (s)                |
| <b>7-Month Total</b> .....      | <b>584,838</b>      | <b>12,168</b>                    | <b>90,453</b>                  | <b>1,260</b>               | <b>3,867</b>                | <b>123,217</b>      | <b>2,965</b>             | <b>20</b>                | <b>96</b>         | <b>201</b>         | <b>1</b>           |
| <b>2003 7-Month Total</b> ..... | <b>573,408</b>      | <b>20,816</b>                    | <b>84,251</b>                  | <b>1,308</b>               | <b>2,952</b>                | <b>121,135</b>      | <b>2,783</b>             | <b>11</b>                | <b>90</b>         | <b>197</b>         | <b>1</b>           |
| <b>2002 7-Month Total</b> ..... | <b>554,811</b>      | <b>12,871</b>                    | <b>59,472</b>                  | <b>694</b>                 | <b>3,437</b>                | <b>90,222</b>       | <b>3,232</b>             | <b>18</b>                | <b>83</b>         | <b>210</b>         | <b>4</b>           |

<sup>a</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>b</sup> For 1989-2000, electric utility data are for light oil (fuel oil nos. 1 and 2, and small amounts of kerosene and jet fuel).

<sup>c</sup> For 1989-2000, electric utility data are for heavy oil (fuel oil nos. 5 and 6, and small amounts of fuel oil no. 4).

<sup>d</sup> Jet fuel, kerosene, other petroleum liquids, and waste oil.

<sup>e</sup> Petroleum coke is converted from short tons to barrels by multiplying by 5.

<sup>f</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>g</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>h</sup> Wood, black liquor, and other wood waste.

<sup>i</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>j</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

R=Revised. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for fuels consumed to produce electricity and useful thermal output at electricity-only and combined-heat-and-power (CHP) plants. • 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: <http://www.eia.doe.gov/emeu/mer/elect.html>.

Sources: • **1989-1997:** Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report" and Form EIA-867, "Annual Nonutility Power Producer Report." • **1998-2000:** EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001 and 2002:** EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report." • **2003 forward:** EIA, Form EIA-906, "Power Plant Report."

**Table 7.3c Consumption of Selected Combustible Fuels for Electricity Generation and Useful Thermal Output: Commercial and Industrial Sectors**

|                                 | Commercial Sector <sup>a</sup> |                        |                          |                    | Industrial Sector <sup>b</sup> |                        |                          |                          |                   |                    |                    |
|---------------------------------|--------------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|
|                                 | Coal <sup>c</sup>              | Petroleum <sup>d</sup> | Natural Gas <sup>e</sup> | Waste <sup>f</sup> | Coal <sup>c</sup>              | Petroleum <sup>d</sup> | Natural Gas <sup>e</sup> | Other Gases <sup>g</sup> | Wood <sup>h</sup> | Waste <sup>f</sup> | Other <sup>i</sup> |
|                                 | Thousand Short Tons            | Thousand Barrels       | Billion Cubic Feet       | Trillion Btu       | Thousand Short Tons            | Thousand Barrels       | Billion Cubic Feet       | Trillion Btu             |                   |                    |                    |
| <b>1989 Total</b> .....         | 1,125                          | 1,967                  | 30                       | 22                 | 24,867                         | 25,685                 | 914                      | 195                      | 926               | 35                 | 85                 |
| <b>1990 Total</b> .....         | 1,191                          | 2,056                  | 46                       | 28                 | 27,781                         | 36,392                 | 1,055                    | 275                      | 1,125             | 41                 | 86                 |
| <b>1991 Total</b> .....         | 1,228                          | 1,337                  | 52                       | 26                 | 27,021                         | 33,460                 | 1,061                    | 298                      | 1,076             | 37                 | 110                |
| <b>1992 Total</b> .....         | 1,175                          | 1,235                  | 62                       | 32                 | 28,244                         | 36,135                 | 1,107                    | 322                      | 1,161             | 39                 | 87                 |
| <b>1993 Total</b> .....         | 1,373                          | 1,515                  | 65                       | 33                 | 28,886                         | 36,715                 | 1,124                    | 297                      | 1,169             | 46                 | 80                 |
| <b>1994 Total</b> .....         | 1,344                          | 1,625                  | 72                       | 35                 | 29,707                         | 38,744                 | 1,176                    | 296                      | 1,248             | 41                 | 89                 |
| <b>1995 Total</b> .....         | 1,419                          | 1,245                  | 78                       | 40                 | 29,363                         | 34,448                 | 1,258                    | 290                      | 1,255             | 38                 | 95                 |
| <b>1996 Total</b> .....         | 1,660                          | 1,246                  | 82                       | 53                 | 29,434                         | 38,661                 | 1,289                    | 325                      | 1,249             | 39                 | 89                 |
| <b>1997 Total</b> .....         | 1,738                          | 1,584                  | 87                       | 58                 | 29,853                         | 37,265                 | 1,282                    | 283                      | 1,259             | 41                 | 102                |
| <b>1998 Total</b> .....         | 1,443                          | 1,807                  | 87                       | 54                 | 28,553                         | 38,910                 | 1,355                    | 305                      | 1,211             | 42                 | 93                 |
| <b>1999 Total</b> .....         | 1,490                          | 1,613                  | 84                       | 54                 | 27,763                         | 37,312                 | 1,401                    | 331                      | 1,213             | 31                 | 99                 |
| <b>2000 Total</b> .....         | 1,547                          | 1,615                  | 85                       | 47                 | 28,031                         | 30,520                 | 1,386                    | 331                      | 1,244             | 35                 | 108                |
| <b>2001 Total</b> .....         | 1,448                          | 1,832                  | 79                       | 39                 | 25,755                         | 26,817                 | 1,310                    | 248                      | 1,054             | 35                 | 94                 |
| <b>2002</b> January .....       | 127                            | 99                     | 6                        | 3                  | 2,278                          | 2,259                  | 114                      | 20                       | 97                | 4                  | 7                  |
| February .....                  | 102                            | 92                     | 5                        | 3                  | 1,990                          | 1,768                  | 100                      | 18                       | 84                | 3                  | 7                  |
| March .....                     | 124                            | 88                     | 6                        | 3                  | 2,150                          | 2,136                  | 107                      | 20                       | 86                | 4                  | 7                  |
| April .....                     | 100                            | 84                     | 6                        | 3                  | 2,115                          | 1,844                  | 97                       | 19                       | 89                | 3                  | 7                  |
| May .....                       | 105                            | 81                     | 5                        | 4                  | 2,110                          | 1,953                  | 107                      | 20                       | 96                | 3                  | 6                  |
| June .....                      | 112                            | 87                     | 6                        | 4                  | 2,101                          | 1,861                  | 102                      | 22                       | 89                | 3                  | 5                  |
| July .....                      | 126                            | 115                    | 7                        | 4                  | 2,439                          | 2,127                  | 111                      | 22                       | 103               | 3                  | 8                  |
| August .....                    | 127                            | 114                    | 8                        | 4                  | 2,153                          | 1,974                  | 108                      | 21                       | 90                | 3                  | 6                  |
| September .....                 | 116                            | 90                     | 7                        | 4                  | 2,150                          | 1,993                  | 101                      | 22                       | 99                | 3                  | 9                  |
| October .....                   | 114                            | 89                     | 6                        | 4                  | 2,231                          | 2,219                  | 97                       | 20                       | 107               | 3                  | 9                  |
| November .....                  | 116                            | 130                    | 5                        | 4                  | 2,237                          | 2,385                  | 97                       | 21                       | 95                | 4                  | 8                  |
| December .....                  | 134                            | 181                    | 6                        | 3                  | 2,279                          | 2,643                  | 98                       | 22                       | 100               | 4                  | 7                  |
| <b>Total</b> .....              | 1,405                          | 1,250                  | 74                       | 42                 | 26,232                         | 25,163                 | 1,240                    | 245                      | 1,136             | 41                 | 85                 |
| <b>2003</b> January .....       | 146                            | 322                    | 6                        | 3                  | 2,484                          | 2,705                  | 106                      | 19                       | 82                | 3                  | 4                  |
| February .....                  | 127                            | 270                    | 5                        | 3                  | 2,169                          | 2,347                  | 93                       | 17                       | 79                | 3                  | 3                  |
| March .....                     | 125                            | 155                    | 6                        | 4                  | 2,254                          | 2,378                  | 98                       | 21                       | 96                | 3                  | 5                  |
| April .....                     | 110                            | 86                     | 5                        | 4                  | 2,089                          | 2,056                  | 87                       | 18                       | 92                | 3                  | 4                  |
| May .....                       | 94                             | 67                     | 6                        | 4                  | 1,952                          | 2,647                  | 85                       | 17                       | 88                | 3                  | 5                  |
| June .....                      | 118                            | 104                    | 7                        | 4                  | 2,139                          | 2,341                  | 93                       | 21                       | 92                | 3                  | 4                  |
| July .....                      | 137                            | 144                    | 7                        | 4                  | 2,391                          | 2,356                  | 99                       | 21                       | 96                | 3                  | 4                  |
| August .....                    | 144                            | 155                    | 8                        | 4                  | 2,397                          | 2,142                  | 104                      | 21                       | 91                | 3                  | 4                  |
| September .....                 | 121                            | 80                     | 5                        | 4                  | 1,995                          | 1,820                  | 83                       | 17                       | 87                | 4                  | 4                  |
| October .....                   | 114                            | 83                     | 6                        | 4                  | 2,247                          | 2,444                  | 98                       | 21                       | 104               | 4                  | 4                  |
| November .....                  | 118                            | 80                     | 5                        | 4                  | 2,180                          | 1,770                  | 95                       | 24                       | 119               | 4                  | 4                  |
| December .....                  | 137                            | 163                    | 5                        | 4                  | 2,431                          | 2,504                  | 98                       | 26                       | 103               | 4                  | 5                  |
| <b>Total</b> .....              | 1,492                          | 1,709                  | 71                       | 48                 | 26,728                         | 27,511                 | 1,138                    | 244                      | 1,131             | 39                 | 50                 |
| <b>2004</b> January .....       | 157                            | 338                    | 6                        | 4                  | 2,760                          | 3,223                  | 89                       | 30                       | 103               | 4                  | 5                  |
| February .....                  | 148                            | 188                    | 6                        | 4                  | 2,305                          | 2,042                  | 92                       | 26                       | 93                | 3                  | 3                  |
| March .....                     | 143                            | 156                    | 6                        | 4                  | 2,278                          | 1,928                  | 91                       | 31                       | 94                | 3                  | 3                  |
| April .....                     | 113                            | 110                    | 6                        | 4                  | 2,128                          | 1,801                  | 90                       | 30                       | 99                | 3                  | 2                  |
| May .....                       | 127                            | 98                     | 6                        | 4                  | 1,914                          | 1,702                  | 104                      | 30                       | 91                | 5                  | 3                  |
| June .....                      | 126                            | 101                    | 6                        | 4                  | <sup>R</sup> 2,226             | <sup>R</sup> 1,865     | <sup>R</sup> 97          | 28                       | <sup>R</sup> 90   | 5                  | <sup>R</sup> 4     |
| July .....                      | 128                            | 111                    | 7                        | 4                  | 2,404                          | 1,939                  | 106                      | 25                       | 96                | 3                  | 5                  |
| <b>7-Month Total</b> .....      | 943                            | 1,103                  | 42                       | 28                 | 16,013                         | 14,500                 | 671                      | 200                      | 666               | 26                 | 25                 |
| <b>2003 7-Month Total</b> ..... | 858                            | 1,149                  | 42                       | 28                 | 15,477                         | 16,831                 | 661                      | 135                      | 626               | 20                 | 29                 |
| <b>2002 7-Month Total</b> ..... | 796                            | 647                    | 42                       | 24                 | 15,182                         | 13,948                 | 738                      | 139                      | 644               | 23                 | 46                 |

<sup>a</sup> Commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See note at end of section.

<sup>b</sup> Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See note at end of section.

<sup>c</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>d</sup> Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

<sup>e</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>f</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>g</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>h</sup> Wood, black liquor, and other wood waste.

<sup>i</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

R=Revised.

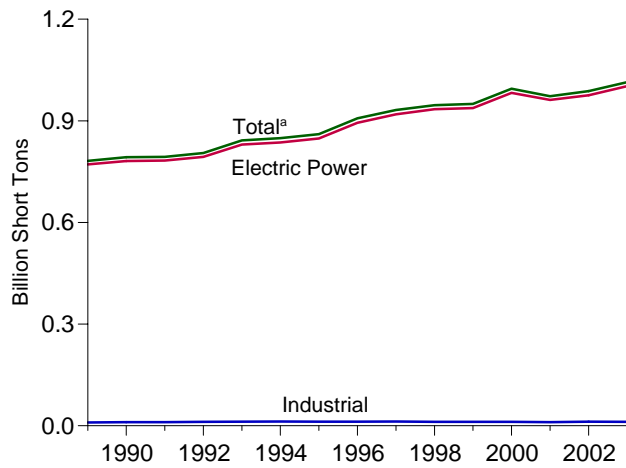
Notes: • Data are for fuels consumed to produce electricity and useful thermal output at electricity-only and combined-heat-and-power (CHP) plants. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

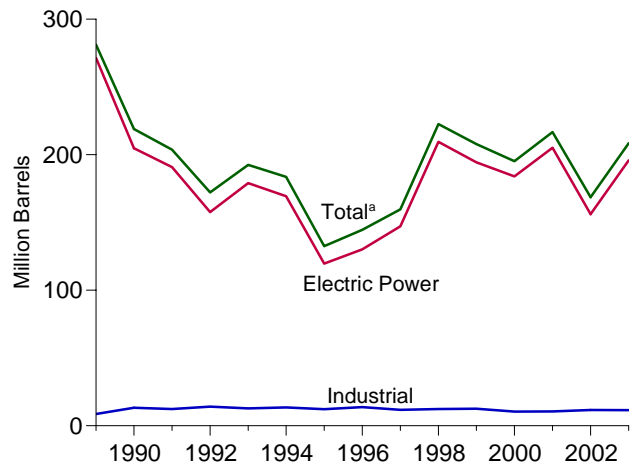
Sources: • **1989-1997:** Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • **1998-2000:** EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001 and 2002:** EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report." • **2003 forward:** EIA, Form EIA-906, "Power Plant Report."

**Figure 7.3b Consumption of Selected Combustible Fuels for Electricity Generation**

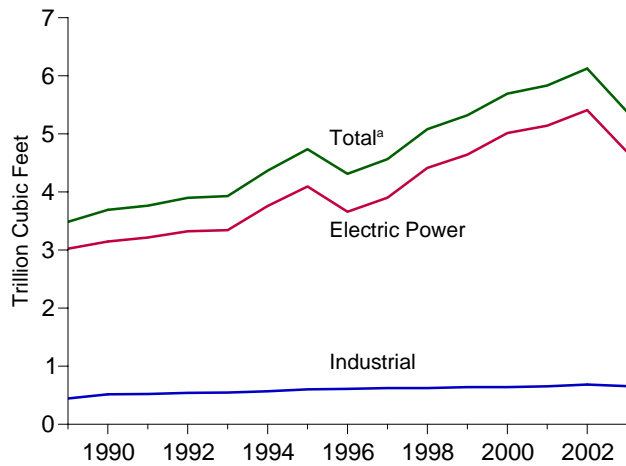
**Coal by Sector, 1989-2003**



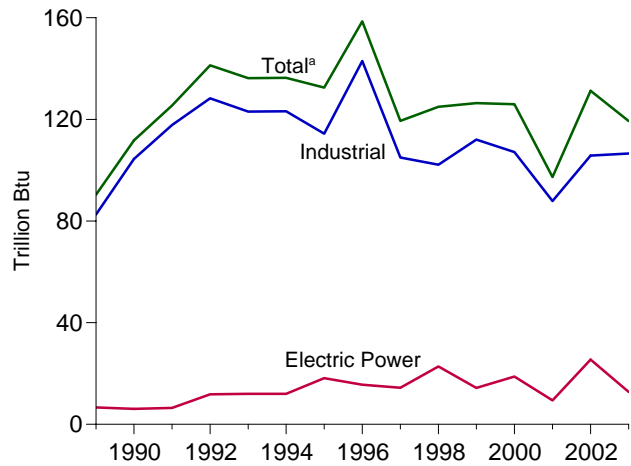
**Petroleum by Sector, 1989-2003**



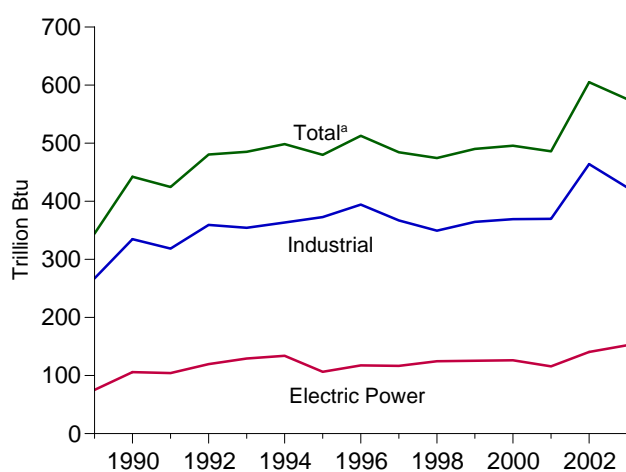
**Natural Gas by Sector, 1989-2003**



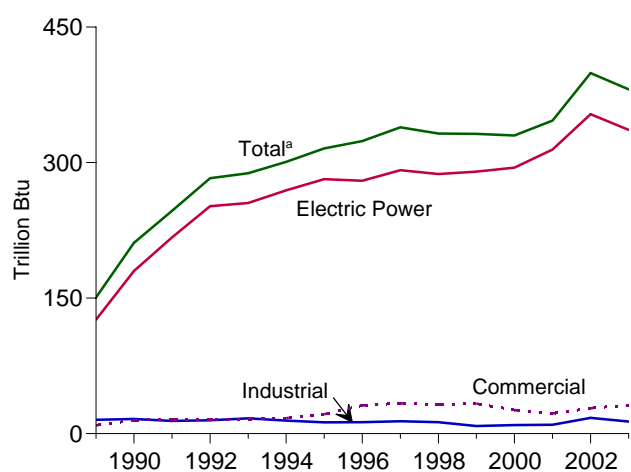
**Other Gases<sup>b</sup> by Sector, 1989-2003**



**Wood by Sector, 1989-2003**



**Waste by Sector, 1989-2003**



<sup>a</sup>Includes commercial sector.

<sup>b</sup>Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

Note: Because vertical scales differ, graphs should not be compared.  
 Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.  
 Sources: Tables 7.3d, 7.3e, and 7.3f.

**Table 7.3d Consumption of Combustible Fuels for Electricity Generation: Total (All Sectors)**

|                         | Coal <sup>a</sup><br>Thousand Short Tons | Petroleum                        |                                |                            |                             |                     | Natural Gas <sup>f</sup><br>Billion Cubic Feet | Other Gases <sup>g</sup> | Wood <sup>h</sup> | Waste <sup>i</sup> | Other <sup>j</sup> |
|-------------------------|--|----------------------------------|--------------------------------|----------------------------|-----------------------------|---------------------|--|--------------------------|-------------------|--------------------|--------------------|
|                         |  | Distillate Fuel Oil <sup>b</sup> | Residual Fuel Oil <sup>c</sup> | Other Liquids <sup>d</sup> | Petroleum Coke <sup>e</sup> | Total <sup>e</sup>  |  |                          |                   |                    |                    |
|                         |  | Thousand Barrels                 |                                |                            |                             | Thousand Short Tons |  |                          |                   |                    |                    |
| 1973 Total              | 389,212                                  | 47,058                           | 513,190                        | NA                         | 507                         | 562,781             | 3,660  | NA                       | 1                 | 2                  | NA                 |
| 1974 Total              | 391,811                                  | 53,128                           | 483,146                        | NA                         | 625                         | 539,399             | 3,443  | NA                       | 1                 | 2                  | NA                 |
| 1975 Total              | 405,962                                  | 38,907                           | 467,221                        | NA                         | 70                          | 506,479             | 3,158  | NA                       | (s)               | 2                  | NA                 |
| 1976 Total              | 448,371                                  | 41,843                           | 514,077                        | NA                         | 68                          | 556,261             | 3,081  | NA                       | 1                 | 2                  | NA                 |
| 1977 Total              | 477,126                                  | 48,837                           | 574,869                        | NA                         | 98                          | 624,193             | 3,191  | NA                       | 3                 | 2                  | NA                 |
| 1978 Total              | 481,235                                  | 47,520                           | 588,319                        | NA                         | 398                         | 637,830             | 3,188  | NA                       | 2                 | 1                  | NA                 |
| 1979 Total              | 527,051                                  | 30,691                           | 492,606                        | NA                         | 268                         | 524,636             | 3,491  | NA                       | 3                 | 2                  | NA                 |
| 1980 Total              | 569,274                                  | 29,051                           | 391,163                        | NA                         | 179                         | 421,110             | 3,682  | NA                       | 3                 | 2                  | NA                 |
| 1981 Total              | 596,797                                  | 21,313                           | 329,798                        | NA                         | 139                         | 351,806             | 3,640  | NA                       | 3                 | 1                  | NA                 |
| 1982 Total              | 593,666                                  | 15,337                           | 234,434                        | NA                         | 149                         | 250,517             | 3,226  | NA                       | 2                 | 1                  | NA                 |
| 1983 Total              | 625,211                                  | 16,512                           | 228,984                        | NA                         | 261                         | 246,804             | 2,911  | NA                       | 2                 | 2                  | NA                 |
| 1984 Total              | 664,399                                  | 15,190                           | 189,289                        | NA                         | 252                         | 205,736             | 3,111  | NA                       | 5                 | 4                  | NA                 |
| 1985 Total              | 693,841                                  | 14,635                           | 158,779                        | NA                         | 231                         | 174,571             | 3,044  | NA                       | 8                 | 7                  | NA                 |
| 1986 Total              | 685,056                                  | 14,326                           | 216,156                        | NA                         | 313                         | 232,046             | 2,602  | NA                       | 5                 | 7                  | NA                 |
| 1987 Total              | 717,894                                  | 15,367                           | 184,011                        | NA                         | 348                         | 201,116             | 2,844  | NA                       | 8                 | 7                  | NA                 |
| 1988 Total              | 758,372                                  | 18,769                           | 229,327                        | NA                         | 409                         | 250,141             | 2,636  | NA                       | 10                | 8                  | NA                 |
| 1989 Total <sup>k</sup> | 781,672                                  | 27,733                           | 249,820                        | 303                        | 667                         | 281,192             | 3,485  | 90                       | 345               | 151                | 39                 |
| 1990 Total              | 792,457                                  | 18,143                           | 190,849                        | 437                        | 1,914                       | 218,997             | 3,692  | 112                      | 442               | 211                | 36                 |
| 1991 Total              | 793,666                                  | 16,564                           | 177,780                        | 380                        | 1,789                       | 203,669             | 3,765  | 125                      | 425               | 247                | 59                 |
| 1992 Total              | 805,140                                  | 14,493                           | 144,467                        | 759                        | 2,504                       | 172,241             | 3,900  | 141                      | 481               | 283                | 40                 |
| 1993 Total              | 842,153                                  | 16,845                           | 159,059                        | 715                        | 3,169                       | 192,462             | 3,929  | 136                      | 485               | 288                | 34                 |
| 1994 Total              | 848,796                                  | 22,365                           | 145,225                        | 929                        | 3,020                       | 183,618             | 4,367  | 136                      | 498               | 301                | 40                 |
| 1995 Total              | 860,594                                  | 19,615                           | 95,507                         | 680                        | 3,355                       | 132,578             | 4,738  | 133                      | 480               | 316                | 42                 |
| 1996 Total              | 907,209                                  | 20,252                           | 106,055                        | 1,712                      | 3,322                       | 144,626             | 4,312  | 159                      | 513               | 324                | 37                 |
| 1997 Total              | 931,949                                  | 20,309                           | 118,741                        | 237                        | 4,086                       | 159,715             | 4,565  | 119                      | 484               | 339                | 36                 |
| 1998 Total              | 946,295                                  | 25,062                           | 172,728                        | 549                        | 4,860                       | 222,640             | 5,081  | 125                      | 475               | 332                | 36                 |
| 1999 Total              | 949,802                                  | 25,951                           | 158,187                        | 974                        | 4,552                       | 207,871             | 5,322  | 126                      | 490               | 332                | 41                 |
| 2000 Total              | 994,933                                  | 31,675                           | 143,381                        | 1,450                      | 3,744                       | 195,228             | 5,691  | 126                      | 496               | 330                | 46                 |
| 2001 Total              | 972,691                                  | 31,150                           | 165,312                        | 855                        | 3,871                       | 216,672             | 5,832  | 97                       | 486               | 347                | 41                 |
| 2002 January            | 83,186                                   | 1,963                            | 7,271                          | 148                        | 524                         | 12,003              | 424  | 11                       | 51                | 32                 | 4                  |
| February                | 72,845                                   | 1,239                            | 6,108                          | 88                         | 527                         | 10,069              | 381  | 9                        | 46                | 29                 | 4                  |
| March                   | 76,541                                   | 1,943                            | 9,696                          | 112                        | 569                         | 14,594              | 448  | 10                       | 48                | 32                 | 4                  |
| April                   | 72,379                                   | 1,819                            | 9,044                          | 143                        | 530                         | 13,657              | 439  | 10                       | 50                | 31                 | 3                  |
| May                     | 77,322                                   | 2,130                            | 9,003                          | 175                        | 590                         | 14,258              | 453  | 10                       | 47                | 33                 | 3                  |
| June                    | 84,412                                   | 1,788                            | 9,076                          | 119                        | 645                         | 14,209              | 589  | 12                       | 50                | 34                 | 3                  |
| July                    | 93,763                                   | 2,730                            | 11,793                         | 208                        | 600                         | 17,730              | 777  | 13                       | 53                | 37                 | 5                  |
| August                  | 92,604                                   | 2,549                            | 11,635                         | 202                        | 660                         | 17,688              | 759  | 12                       | 52                | 37                 | 4                  |
| September               | 84,932                                   | 1,759                            | 9,359                          | 135                        | 616                         | 14,333              | 605  | 11                       | 52                | 34                 | 5                  |
| October                 | 81,613                                   | 2,049                            | 9,453                          | 183                        | 529                         | 14,333              | 475  | 11                       | 54                | 33                 | 5                  |
| November                | 80,234                                   | 1,492                            | 7,123                          | 177                        | 498                         | 11,282              | 385  | 12                       | 50                | 33                 | 4                  |
| December                | 87,752                                   | 1,825                            | 9,674                          | 204                        | 548                         | 14,442              | 390  | 11                       | 50                | 34                 | 3                  |
| Total                   | 987,583                                  | 23,286                           | 109,235                        | 1,894                      | 6,836                       | 168,597             | 6,126  | 131                      | 605               | 399                | 49                 |
| 2003 January            | 92,030                                   | 4,816                            | 14,529                         | 298                        | 460                         | 21,941              | 408  | 10                       | 50                | 29                 | 2                  |
| February                | 79,659                                   | 3,956                            | 12,367                         | 415                        | 388                         | 18,679              | 365  | 8                        | 44                | 26                 | 2                  |
| March                   | 79,600                                   | 3,427                            | 12,768                         | 320                        | 338                         | 18,203              | 391  | 9                        | 49                | 32                 | 3                  |
| April                   | 72,784                                   | 1,670                            | 10,478                         | 196                        | 478                         | 14,732              | 365  | 8                        | 46                | 31                 | 2                  |
| May                     | 77,505                                   | 2,682                            | 9,095                          | 257                        | 453                         | 14,299              | 417  | 8                        | 42                | 32                 | 3                  |
| June                    | 83,468                                   | 3,270                            | 12,594                         | 297                        | 560                         | 18,960              | 452  | 10                       | 46                | 32                 | 2                  |
| July                    | 94,233                                   | 2,425                            | 15,076                         | 353                        | 649                         | 21,097              | 646  | 9                        | 47                | 35                 | 2                  |
| August                  | 95,573                                   | 2,166                            | 16,077                         | 345                        | 611                         | 21,642              | 697  | 10                       | 47                | 34                 | 2                  |
| September               | 84,466                                   | 1,267                            | 10,470                         | 273                        | 598                         | 15,001              | 468  | 8                        | 43                | 30                 | 2                  |
| October                 | 81,518                                   | 1,590                            | 10,245                         | 307                        | 619                         | 15,236              | 432  | 11                       | 52                | 33                 | 2                  |
| November                | 82,392                                   | 1,164                            | 6,982                          | 195                        | 625                         | 11,465              | 374  | 14                       | 57                | 33                 | 2                  |
| December                | 91,078                                   | 1,856                            | 11,876                         | 156                        | 659                         | 17,182              | 366  | 14                       | 53                | 35                 | 3                  |
| Total                   | 1,014,307                                | 30,290                           | 142,557                        | 3,411                      | 6,435                       | 208,436             | 5,380  | 119                      | 576               | 381                | 27                 |
| 2004 January            | 93,288                                   | 4,236                            | 17,748                         | 725                        | 666                         | 26,038              | 376  | 14                       | 49                | 31                 | 2                  |
| February                | 84,006                                   | 1,310                            | 11,210                         | 104                        | 560                         | 15,425              | 394  | 13                       | 45                | 27                 | 1                  |
| March                   | 78,874                                   | 1,284                            | 11,817                         | 148                        | 569                         | 16,093              | 394  | 15                       | 44                | 30                 | 1                  |
| April                   | 73,166                                   | 1,192                            | 10,915                         | 132                        | 574                         | 15,108              | 407  | 16                       | 48                | 31                 | 1                  |
| May                     | 81,436                                   | 1,842                            | 12,580                         | 175                        | 605                         | 17,622              | 505  | 16                       | 49                | 32                 | 2                  |
| June                    | R 86,662                                 | R 1,592                          | R 13,943                       | R 114                      | 594                         | R 18,621            | R 540  | R 18                     | 56                | 33                 | 2                  |
| July                    | 94,000                                   | 1,402                            | 15,978                         | 173                        | 609                         | 20,599              | 661  | 16                       | 60                | 34                 | 3                  |
| 7-Month Total           | 591,432                                  | 12,857                           | 94,192                         | 1,571                      | 4,177                       | 129,505             | 3,277  | 107                      | 352               | 218                | 13                 |
| 2003 7-Month Total      | 579,279                                  | 22,247                           | 86,907                         | 2,136                      | 3,324                       | 127,911             | 3,043  | 63                       | 324               | 216                | 16                 |
| 2002 7-Month Total      | 560,449                                  | 13,612                           | 61,991                         | 993                        | 3,985                       | 96,520              | 3,510  | 74                       | 346               | 228                | 27                 |

<sup>a</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>b</sup> For 1973-1979, gas turbine and internal combustion plant use of petroleum. For 1980-2000, electric utility data are for light oil (fuel oil nos. 1 and 2, and small amounts of kerosene and jet fuel.)

<sup>c</sup> For 1973-1979, steam plant use of petroleum. For 1980-2000, electric utility data are for heavy oil (fuel oil nos. 5 and 6, and small amounts of fuel oil no. 4.)

<sup>d</sup> Jet fuel, kerosene, other petroleum liquids, and waste oil.

<sup>e</sup> Petroleum coke is converted from short tons to barrels by multiplying by 5.

<sup>f</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>g</sup> Blast furnace gas, propane gas, and other manufactured and waste gases

derived from fossil fuels.

<sup>h</sup> Wood, black liquor, and other wood waste.

<sup>i</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>j</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

<sup>k</sup> Through 1988, data are for consumption at electric utilities only. Beginning in 1989, data also include consumption at independent power producers, commercial plants, and industrial plants.

R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes, Web Page, and Sources: See end of section.

**Table 7.3e Consumption of Combustible Fuels for Electricity Generation:  
Electric Power Sector**

|                         | Coal <sup>a</sup><br>Thousand Short Tons | Petroleum                        |                                |                            |                             |                    | Natural Gas <sup>i</sup><br>Billion Cubic Feet | Other Gases <sup>g</sup> | Wood <sup>h</sup> | Waste <sup>i</sup> | Other <sup>j</sup> |
|-------------------------|--|----------------------------------|--------------------------------|----------------------------|-----------------------------|--------------------|--|--------------------------|-------------------|--------------------|--------------------|
|                         |  | Distillate Fuel Oil <sup>b</sup> | Residual Fuel Oil <sup>c</sup> | Other Liquids <sup>d</sup> | Petroleum Coke <sup>e</sup> | Total <sup>e</sup> |  |                          |                   |                    |                    |
|                         |  | Thousand Barrels                 |                                |                            |                             |                    |  |                          |                   |                    |                    |
| 1973 Total              | 389,212                                  | 47,058                           | 513,190                        | NA                         | 507                         | 562,781            | 3,660  | NA                       | 1                 | 2                  | NA                 |
| 1974 Total              | 391,811                                  | 53,128                           | 483,146                        | NA                         | 625                         | 539,399            | 3,443  | NA                       | 1                 | 2                  | NA                 |
| 1975 Total              | 405,962                                  | 38,907                           | 467,221                        | NA                         | 70                          | 506,479            | 3,158  | NA                       | (s)               | 2                  | NA                 |
| 1976 Total              | 448,371                                  | 41,843                           | 514,077                        | NA                         | 68                          | 556,261            | 3,081  | NA                       | 1                 | 2                  | NA                 |
| 1977 Total              | 477,126                                  | 48,837                           | 574,869                        | NA                         | 98                          | 624,193            | 3,191  | NA                       | 3                 | 2                  | NA                 |
| 1978 Total              | 481,235                                  | 47,520                           | 588,319                        | NA                         | 398                         | 637,830            | 3,188  | NA                       | 2                 | 1                  | NA                 |
| 1979 Total              | 527,051                                  | 30,691                           | 492,606                        | NA                         | 268                         | 524,636            | 3,491  | NA                       | 3                 | 2                  | NA                 |
| 1980 Total              | 569,274                                  | 29,051                           | 391,163                        | NA                         | 179                         | 421,110            | 3,682  | NA                       | 3                 | 2                  | NA                 |
| 1981 Total              | 596,797                                  | 21,313                           | 329,798                        | NA                         | 139                         | 351,806            | 3,640  | NA                       | 3                 | 1                  | NA                 |
| 1982 Total              | 593,666                                  | 15,337                           | 234,434                        | NA                         | 149                         | 250,517            | 3,226  | NA                       | 2                 | 1                  | NA                 |
| 1983 Total              | 625,211                                  | 16,512                           | 228,984                        | NA                         | 261                         | 246,804            | 2,911  | NA                       | 2                 | 2                  | NA                 |
| 1984 Total              | 664,399                                  | 15,190                           | 189,289                        | NA                         | 252                         | 205,736            | 3,111  | NA                       | 5                 | 4                  | NA                 |
| 1985 Total              | 693,841                                  | 14,635                           | 158,779                        | NA                         | 231                         | 174,571            | 3,044  | NA                       | 8                 | 7                  | NA                 |
| 1986 Total              | 685,056                                  | 14,326                           | 216,156                        | NA                         | 313                         | 232,046            | 2,602  | NA                       | 5                 | 7                  | NA                 |
| 1987 Total              | 717,894                                  | 15,367                           | 184,011                        | NA                         | 348                         | 201,116            | 2,844  | NA                       | 8                 | 7                  | NA                 |
| 1988 Total              | 758,372                                  | 18,769                           | 229,327                        | NA                         | 409                         | 250,141            | 2,636  | NA                       | 10                | 8                  | NA                 |
| 1989 Total <sup>k</sup> | 771,551                                  | 26,036                           | 242,708                        | 9                          | 517                         | 271,340            | 3,024  | 7                        | 75                | 126                | 2                  |
| 1990 Total              | 781,301                                  | 16,394                           | 183,285                        | 25                         | 1,008                       | 204,745            | 3,147  | 6                        | 106               | 180                | (s)                |
| 1991 Total              | 782,653                                  | 14,255                           | 171,629                        | 58                         | 974                         | 190,810            | 3,216  | 6                        | 104               | 217                | 4                  |
| 1992 Total              | 793,390                                  | 12,469                           | 137,681                        | 118                        | 1,490                       | 157,719            | 3,325  | 12                       | 120               | 252                | 3                  |
| 1993 Total              | 829,851                                  | 14,559                           | 151,407                        | 213                        | 2,571                       | 179,034            | 3,344  | 12                       | 129               | 255                | 3                  |
| 1994 Total              | 836,113                                  | 20,241                           | 137,198                        | 667                        | 2,256                       | 169,387            | 3,758  | 12                       | 134               | 269                | 2                  |
| 1995 Total              | 847,854                                  | 18,066                           | 88,895                         | 441                        | 2,452                       | 119,663            | 4,094  | 18                       | 106               | 282                | 2                  |
| 1996 Total              | 894,400                                  | 18,472                           | 98,795                         | 567                        | 2,467                       | 130,168            | 3,660  | 16                       | 117               | 280                | 2                  |
| 1997 Total              | 919,009                                  | 18,646                           | 112,423                        | 130                        | 3,201                       | 147,202            | 3,903  | 14                       | 117               | 292                | 1                  |
| 1998 Total              | 934,126                                  | 23,166                           | 165,875                        | 411                        | 3,999                       | 209,447            | 4,416  | 23                       | 125               | 287                | 2                  |
| 1999 Total              | 937,888                                  | 23,875                           | 151,921                        | 514                        | 3,607                       | 194,345            | 4,644  | 14                       | 125               | 290                | 1                  |
| 2000 Total              | 982,713                                  | 29,722                           | 138,047                        | 403                        | 3,155                       | 183,946            | 5,014  | 19                       | 126               | 294                | 1                  |
| 2001 Total              | 961,523                                  | 29,056                           | 159,150                        | 374                        | 3,308                       | 205,119            | 5,142  | 9                        | 116               | 314                | 0                  |
| 2002 January            | 82,197                                   | 1,832                            | 6,853                          | 89                         | 431                         | 10,928             | 360  | 3                        | 12                | 29                 | (s)                |
| February                | 71,972                                   | 1,134                            | 5,772                          | 43                         | 450                         | 9,198              | 324  | 2                        | 9                 | 26                 | 1                  |
| March                   | 75,613                                   | 1,823                            | 9,258                          | 57                         | 476                         | 13,515             | 385  | 2                        | 12                | 29                 | (s)                |
| April                   | 71,377                                   | 1,738                            | 8,680                          | 103                        | 456                         | 12,800             | 384  | 1                        | 11                | 28                 | (s)                |
| May                     | 76,367                                   | 2,012                            | 8,658                          | 135                        | 514                         | 13,373             | 390  | 2                        | 10                | 29                 | 1                  |
| June                    | 83,393                                   | 1,696                            | 8,729                          | 85                         | 552                         | 13,268             | 529  | 2                        | 11                | 30                 | 1                  |
| July                    | 92,575                                   | 2,611                            | 11,419                         | 170                        | 487                         | 16,637             | 710  | 2                        | 12                | 32                 | 1                  |
| August                  | 91,543                                   | 2,428                            | 11,289                         | 163                        | 553                         | 16,646             | 693  | 3                        | 13                | 32                 | 1                  |
| September               | 83,958                                   | 1,638                            | 9,016                          | 101                        | 507                         | 13,292             | 546  | 2                        | 13                | 30                 | 1                  |
| October                 | 80,533                                   | 1,918                            | 9,070                          | 91                         | 423                         | 13,194             | 421  | 2                        | 12                | 29                 | (s)                |
| November                | 79,132                                   | 1,338                            | 6,668                          | 77                         | 405                         | 10,105             | 330  | 3                        | 12                | 29                 | (s)                |
| December                | 86,591                                   | 1,642                            | 9,164                          | 128                        | 453                         | 13,199             | 336  | 2                        | 13                | 31                 | (s)                |
| Total                   | 975,251                                  | 21,810                           | 104,577                        | 1,243                      | 5,705                       | 156,154            | 5,408  | 25                       | 141               | 353                | 7                  |
| 2003 January            | 90,900                                   | 4,349                            | 13,974                         | 237                        | 392                         | 20,522             | 343  | 1                        | 14                | 26                 | (s)                |
| February                | 78,666                                   | 3,641                            | 11,906                         | 364                        | 336                         | 17,589             | 308  | 1                        | 11                | 23                 | (s)                |
| March                   | 78,581                                   | 3,235                            | 12,281                         | 257                        | 280                         | 17,175             | 332  | 1                        | 13                | 28                 | (s)                |
| April                   | 71,814                                   | 1,586                            | 10,084                         | 86                         | 419                         | 13,850             | 312  | 1                        | 11                | 27                 | (s)                |
| May                     | 76,535                                   | 2,376                            | 8,754                          | 86                         | 392                         | 13,178             | 365  | 1                        | 10                | 28                 | (s)                |
| June                    | 82,496                                   | 3,153                            | 12,207                         | 98                         | 485                         | 17,883             | 394  | 1                        | 12                | 28                 | (s)                |
| July                    | 93,165                                   | 2,280                            | 14,690                         | 136                        | 582                         | 20,015             | 588  | 1                        | 14                | 31                 | (s)                |
| August                  | 94,486                                   | 2,044                            | 15,696                         | 186                        | 553                         | 20,690             | 634  | 1                        | 14                | 30                 | (s)                |
| September               | 83,551                                   | 1,190                            | 10,187                         | 91                         | 539                         | 14,164             | 416  | 1                        | 12                | 26                 | (s)                |
| October                 | 80,557                                   | 1,478                            | 9,706                          | 92                         | 551                         | 14,031             | 373  | 1                        | 14                | 29                 | (s)                |
| November                | 81,447                                   | 1,075                            | 6,603                          | 157                        | 573                         | 10,699             | 317  | 1                        | 13                | 29                 | (s)                |
| December                | 90,010                                   | 1,655                            | 11,333                         | 123                        | 583                         | 16,027             | 306  | 1                        | 14                | 31                 | (s)                |
| Total                   | 1,002,210                                | 28,062                           | 137,421                        | 1,912                      | 5,685                       | 195,823            | 4,688  | 13                       | 152               | 336                | 1                  |
| 2004 January            | 92,181                                   | 3,944                            | 16,939                         | 668                        | 614                         | 24,619             | 323  | 2                        | 13                | 28                 | (s)                |
| February                | 82,992                                   | 1,225                            | 10,718                         | 77                         | 513                         | 14,586             | 340  | 1                        | 13                | 25                 | (s)                |
| March                   | 77,821                                   | 1,199                            | 11,348                         | 114                        | 520                         | 15,259             | 339  | 2                        | 13                | 27                 | (s)                |
| April                   | 72,205                                   | 1,094                            | 10,479                         | 83                         | 528                         | 14,297             | 353  | 2                        | 11                | 27                 | (s)                |
| May                     | 80,538                                   | 1,750                            | 12,130                         | 133                        | 561                         | 16,816             | 440  | 2                        | 12                | 29                 | (s)                |
| June                    | R 85,321                                 | R 1,495                          | R 13,396                       | R 63                       | 515                         | R 17,527           | R 473  | 2                        | 12                | R 28               | (s)                |
| July                    | 92,581                                   | 1,306                            | 15,403                         | 76                         | 546                         | 19,514             | 589  | 3                        | 15                | 29                 | (s)                |
| 7-Month Total           | 583,640                                  | 12,012                           | 90,413                         | 1,214                      | 3,796                       | 122,619            | 2,859  | 14                       | 89                | 193                | 1                  |
| 2003 7-Month Total      | 572,158                                  | 20,620                           | 83,896                         | 1,264                      | 2,887                       | 120,212            | 2,642  | 7                        | 85                | 191                | 1                  |
| 2002 7-Month Total      | 553,493                                  | 12,846                           | 59,369                         | 684                        | 3,364                       | 89,719             | 3,082  | 13                       | 78                | 202                | 4                  |

<sup>a</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>b</sup> For 1973-1979, gas turbine and internal combustion plant use of petroleum. For 1980-2000, electric utility data are for light oil (fuel oil nos. 1 and 2, and small amounts of kerosene and jet fuel.)

<sup>c</sup> For 1973-1979, steam plant use of petroleum. For 1980-2000, electric utility data are for heavy oil (fuel oil nos. 5 and 6, and small amounts of fuel oil no. 4.)

<sup>d</sup> Jet fuel, kerosene, other petroleum liquids, and waste oil.

<sup>e</sup> Petroleum coke is converted from short tons to barrels by multiplying by 5.

<sup>f</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>g</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>h</sup> Wood, black liquor, and other wood waste.

<sup>i</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>j</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

<sup>k</sup> Through 1988, data are for consumption at electric utilities only. Beginning in 1989, data also include consumption at independent power producers.

R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes, Web Page, and Sources: See end of section.

**Table 7.3f Estimated Consumption of Selected Combustible Fuels for Electricity Generation: Commercial and Industrial Sectors**

|                                 | Commercial Sector <sup>a</sup> |                        |                          |                    | Industrial Sector <sup>b</sup> |                        |                          |                          |                   |                    |                    |
|---------------------------------|--------------------------------|------------------------|--------------------------|--------------------|--------------------------------|------------------------|--------------------------|--------------------------|-------------------|--------------------|--------------------|
|                                 | Coal <sup>c</sup>              | Petroleum <sup>d</sup> | Natural Gas <sup>e</sup> | Waste <sup>f</sup> | Coal <sup>c</sup>              | Petroleum <sup>d</sup> | Natural Gas <sup>e</sup> | Other Gases <sup>g</sup> | Wood <sup>h</sup> | Waste <sup>f</sup> | Other <sup>i</sup> |
|                                 | Thousand Short Tons            | Thousand Barrels       | Billion Cubic Feet       | Trillion Btu       | Thousand Short Tons            | Thousand Barrels       | Billion Cubic Feet       | Trillion Btu             |                   |                    |                    |
| <b>1989 Total</b> .....         | <b>414</b>                     | <b>1,165</b>           | <b>18</b>                | <b>9</b>           | <b>9,707</b>                   | <b>8,688</b>           | <b>444</b>               | <b>83</b>                | <b>267</b>        | <b>15</b>          | <b>37</b>          |
| <b>1990 Total</b> .....         | <b>417</b>                     | <b>953</b>             | <b>28</b>                | <b>15</b>          | <b>10,740</b>                  | <b>13,299</b>          | <b>517</b>               | <b>104</b>               | <b>335</b>        | <b>16</b>          | <b>36</b>          |
| <b>1991 Total</b> .....         | <b>403</b>                     | <b>576</b>             | <b>27</b>                | <b>15</b>          | <b>10,610</b>                  | <b>12,283</b>          | <b>522</b>               | <b>118</b>               | <b>318</b>        | <b>14</b>          | <b>55</b>          |
| <b>1992 Total</b> .....         | <b>371</b>                     | <b>429</b>             | <b>33</b>                | <b>16</b>          | <b>11,379</b>                  | <b>14,093</b>          | <b>542</b>               | <b>128</b>               | <b>359</b>        | <b>15</b>          | <b>37</b>          |
| <b>1993 Total</b> .....         | <b>404</b>                     | <b>672</b>             | <b>37</b>                | <b>16</b>          | <b>11,898</b>                  | <b>12,755</b>          | <b>547</b>               | <b>123</b>               | <b>355</b>        | <b>17</b>          | <b>31</b>          |
| <b>1994 Total</b> .....         | <b>404</b>                     | <b>694</b>             | <b>41</b>                | <b>17</b>          | <b>12,279</b>                  | <b>13,537</b>          | <b>568</b>               | <b>123</b>               | <b>364</b>        | <b>14</b>          | <b>38</b>          |
| <b>1995 Total</b> .....         | <b>569</b>                     | <b>649</b>             | <b>43</b>                | <b>21</b>          | <b>12,171</b>                  | <b>12,265</b>          | <b>601</b>               | <b>114</b>               | <b>373</b>        | <b>13</b>          | <b>40</b>          |
| <b>1996 Total</b> .....         | <b>656</b>                     | <b>645</b>             | <b>42</b>                | <b>31</b>          | <b>12,153</b>                  | <b>13,813</b>          | <b>610</b>               | <b>143</b>               | <b>394</b>        | <b>13</b>          | <b>35</b>          |
| <b>1997 Total</b> .....         | <b>630</b>                     | <b>790</b>             | <b>39</b>                | <b>34</b>          | <b>12,311</b>                  | <b>11,723</b>          | <b>623</b>               | <b>105</b>               | <b>367</b>        | <b>14</b>          | <b>36</b>          |
| <b>1998 Total</b> .....         | <b>440</b>                     | <b>802</b>             | <b>41</b>                | <b>32</b>          | <b>11,728</b>                  | <b>12,392</b>          | <b>625</b>               | <b>102</b>               | <b>349</b>        | <b>13</b>          | <b>35</b>          |
| <b>1999 Total</b> .....         | <b>481</b>                     | <b>931</b>             | <b>39</b>                | <b>33</b>          | <b>11,432</b>                  | <b>12,595</b>          | <b>639</b>               | <b>112</b>               | <b>364</b>        | <b>8</b>           | <b>39</b>          |
| <b>2000 Total</b> .....         | <b>514</b>                     | <b>823</b>             | <b>37</b>                | <b>26</b>          | <b>11,706</b>                  | <b>10,459</b>          | <b>640</b>               | <b>107</b>               | <b>369</b>        | <b>10</b>          | <b>45</b>          |
| <b>2001 Total</b> .....         | <b>532</b>                     | <b>1,023</b>           | <b>36</b>                | <b>22</b>          | <b>10,636</b>                  | <b>10,530</b>          | <b>654</b>               | <b>88</b>                | <b>370</b>        | <b>10</b>          | <b>41</b>          |
| <b>2002</b> January .....       | 46                             | 67                     | 3                        | 2                  | 943                            | 1,008                  | 61                       | 8                        | 39                | 1                  | 3                  |
| February .....                  | 30                             | 64                     | 2                        | 2                  | 843                            | 808                    | 55                       | 8                        | 36                | 1                  | 3                  |
| March .....                     | 42                             | 56                     | 3                        | 2                  | 887                            | 1,022                  | 60                       | 8                        | 36                | 1                  | 4                  |
| April .....                     | 36                             | 49                     | 3                        | 2                  | 966                            | 807                    | 53                       | 8                        | 39                | 2                  | 3                  |
| May .....                       | 36                             | 51                     | 2                        | 3                  | 919                            | 835                    | 61                       | 8                        | 37                | 1                  | 2                  |
| June .....                      | 39                             | 56                     | 3                        | 3                  | 980                            | 885                    | 57                       | 10                       | 39                | 2                  | 2                  |
| July .....                      | 41                             | 71                     | 3                        | 3                  | 1,147                          | 1,022                  | 63                       | 10                       | 41                | 2                  | 4                  |
| August .....                    | 46                             | 73                     | 4                        | 3                  | 1,015                          | 969                    | 62                       | 10                       | 40                | 2                  | 3                  |
| September .....                 | 44                             | 62                     | 3                        | 3                  | 930                            | 979                    | 56                       | 9                        | 39                | 1                  | 5                  |
| October .....                   | 39                             | 59                     | 3                        | 3                  | 1,041                          | 1,080                  | 52                       | 9                        | 42                | 1                  | 5                  |
| November .....                  | 37                             | 92                     | 2                        | 3                  | 1,064                          | 1,084                  | 53                       | 9                        | 38                | 1                  | 4                  |
| December .....                  | 41                             | 135                    | 2                        | 2                  | 1,120                          | 1,108                  | 52                       | 9                        | 37                | 1                  | 3                  |
| <b>Total</b> .....              | <b>477</b>                     | <b>834</b>             | <b>33</b>                | <b>28</b>          | <b>11,855</b>                  | <b>11,608</b>          | <b>685</b>               | <b>106</b>               | <b>464</b>        | <b>18</b>          | <b>41</b>          |
| <b>2003</b> January .....       | 48                             | 228                    | 3                        | 2                  | 1,082                          | 1,192                  | 62                       | 9                        | 36                | 1                  | 2                  |
| February .....                  | 41                             | 186                    | 2                        | 2                  | 952                            | 904                    | 54                       | 7                        | 33                | 1                  | 2                  |
| March .....                     | 40                             | 90                     | 3                        | 3                  | 978                            | 938                    | 56                       | 8                        | 37                | 1                  | 3                  |
| April .....                     | 36                             | 53                     | 3                        | 3                  | 934                            | 829                    | 50                       | 7                        | 35                | 1                  | 2                  |
| May .....                       | 33                             | 46                     | 3                        | 3                  | 937                            | 1,075                  | 49                       | 8                        | 32                | 1                  | 3                  |
| June .....                      | 43                             | 71                     | 4                        | 3                  | 929                            | 1,006                  | 54                       | 10                       | 34                | 1                  | 2                  |
| July .....                      | 50                             | 100                    | 3                        | 3                  | 1,018                          | 983                    | 55                       | 8                        | 34                | 1                  | 2                  |
| August .....                    | 51                             | 100                    | 4                        | 3                  | 1,036                          | 852                    | 59                       | 8                        | 33                | 1                  | 2                  |
| September .....                 | 44                             | 56                     | 2                        | 2                  | 871                            | 781                    | 49                       | 7                        | 31                | 1                  | 2                  |
| October .....                   | 36                             | 57                     | 3                        | 3                  | 925                            | 1,148                  | 56                       | 10                       | 39                | 1                  | 2                  |
| November .....                  | 35                             | 58                     | 3                        | 3                  | 910                            | 708                    | 55                       | 13                       | 43                | 1                  | 2                  |
| December .....                  | 44                             | 116                    | 2                        | 3                  | 1,025                          | 1,039                  | 57                       | 13                       | 38                | 1                  | 3                  |
| <b>Total</b> .....              | <b>501</b>                     | <b>1,161</b>           | <b>35</b>                | <b>32</b>          | <b>11,596</b>                  | <b>11,453</b>          | <b>656</b>               | <b>107</b>               | <b>424</b>        | <b>13</b>          | <b>25</b>          |
| <b>2004</b> January .....       | 48                             | 207                    | 3                        | 2                  | 1,059                          | 1,212                  | 51                       | 12                       | 36                | 1                  | 2                  |
| February .....                  | 48                             | 87                     | 3                        | 2                  | 966                            | 751                    | 51                       | 12                       | 32                | 1                  | 1                  |
| March .....                     | 49                             | 80                     | 3                        | 2                  | 1,005                          | 753                    | 52                       | 14                       | 31                | 1                  | 1                  |
| April .....                     | 36                             | 77                     | 3                        | 3                  | 925                            | 734                    | 51                       | 14                       | 37                | 1                  | 1                  |
| May .....                       | 44                             | 65                     | 3                        | 2                  | 853                            | 740                    | 62                       | 13                       | 38                | 1                  | 1                  |
| June .....                      | 52                             | 76                     | 3                        | 3                  | <sup>R</sup> 1,290             | <sup>R</sup> 1,018     | 63                       | 15                       | 44                | 1                  | <sup>R</sup> 2     |
| July .....                      | 53                             | 89                     | 4                        | 3                  | 1,366                          | 996                    | 68                       | 13                       | 45                | 1                  | 3                  |
| <b>7-Month Total</b> .....      | <b>329</b>                     | <b>681</b>             | <b>21</b>                | <b>17</b>          | <b>7,463</b>                   | <b>6,205</b>           | <b>397</b>               | <b>93</b>                | <b>263</b>        | <b>7</b>           | <b>12</b>          |
| <b>2003 7-Month Total</b> ..... | <b>291</b>                     | <b>773</b>             | <b>21</b>                | <b>19</b>          | <b>6,830</b>                   | <b>6,926</b>           | <b>380</b>               | <b>56</b>                | <b>239</b>        | <b>6</b>           | <b>15</b>          |
| <b>2002 7-Month Total</b> ..... | <b>271</b>                     | <b>413</b>             | <b>19</b>                | <b>15</b>          | <b>6,685</b>                   | <b>6,388</b>           | <b>410</b>               | <b>60</b>                | <b>268</b>        | <b>11</b>          | <b>22</b>          |

<sup>a</sup> Commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See note at end of section.

<sup>b</sup> Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See note at end of section.

<sup>c</sup> Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

<sup>d</sup> Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

<sup>e</sup> Natural gas, plus a small amount of supplemental gaseous fuels that cannot be identified separately.

<sup>f</sup> Municipal solid waste, landfill gas, sludge waste, tires, agricultural byproducts, and other biomass.

<sup>g</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>h</sup> Wood, black liquor, and other wood waste.

<sup>i</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

R=Revised.

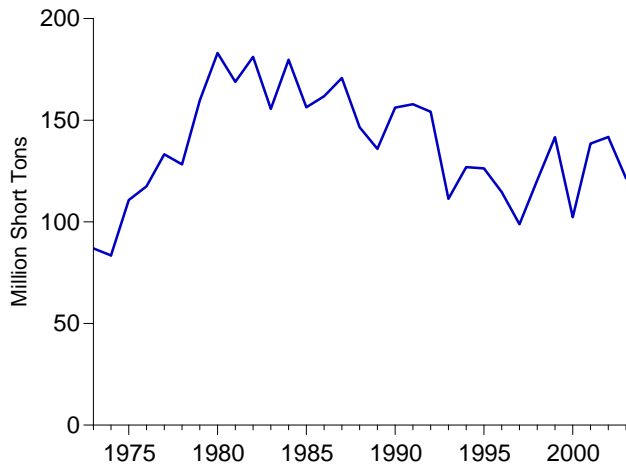
Notes: • Estimates are for fuels consumed to produce electricity; they exclude fuels consumed to produce useful thermal output. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

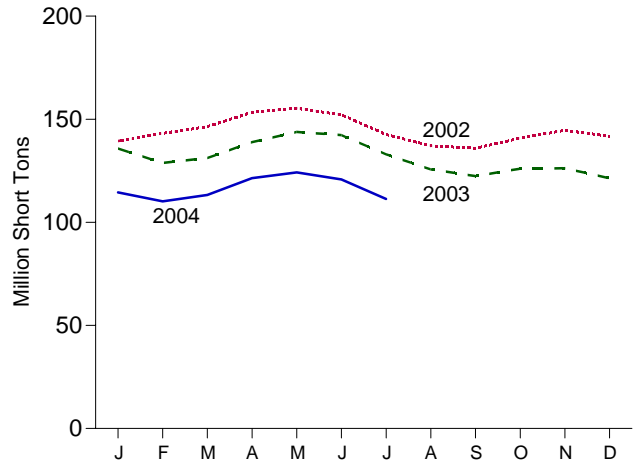
Sources: • **1989-1997:** Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • **1998-2000:** EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001 and 2002:** EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report." • **2003 forward:** EIA, Form EIA-906, "Power Plant Report."

**Figure 7.4 Stocks of Coal and Petroleum: Electric Power Sector**

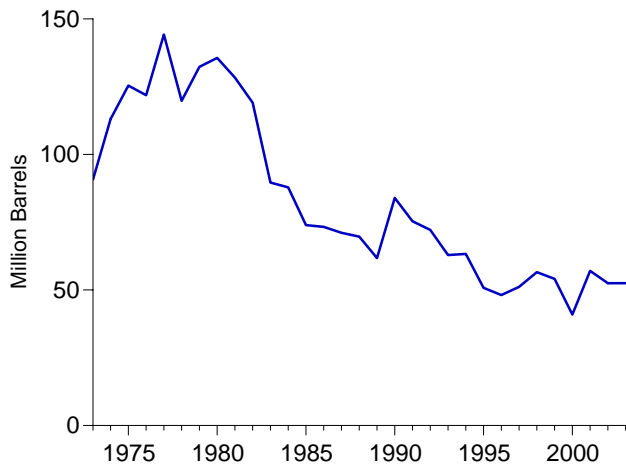
Coal, 1973-2003



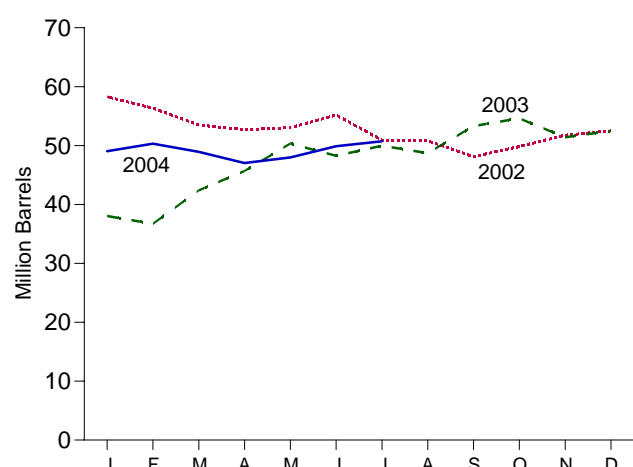
Coal, Monthly



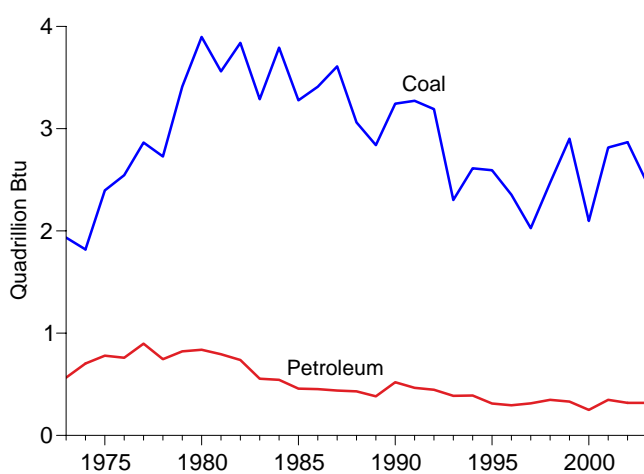
Total Petroleum, 1973-2003



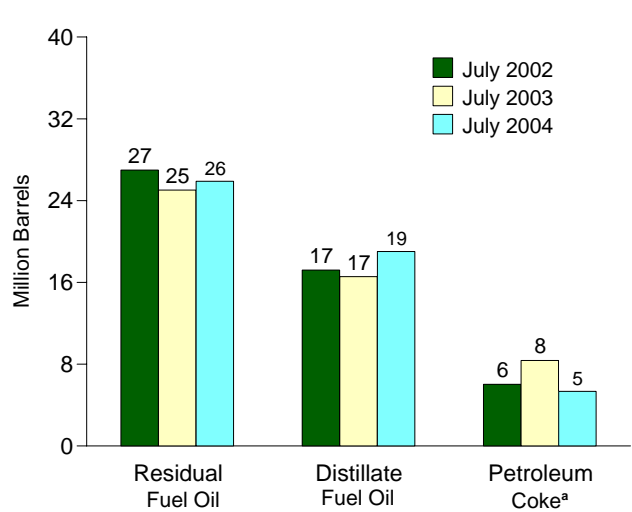
Total Petroleum, Monthly



Coal and Petroleum Stocks, 1973-2003



Petroleum by Type, End of Month



<sup>a</sup>Converted from short tons to barrels by multiplying by 5.  
Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.  
Source: Tables 7.4, A1, and A5.



**Table 7.4 Stocks of Coal and Petroleum: Electric Power Sector**

|                                      | Coal <sup>a</sup> | Petroleum                        |                                |                            |                             |                    |
|--------------------------------------|-------------------|----------------------------------|--------------------------------|----------------------------|-----------------------------|--------------------|
|                                      |                   | Distillate Fuel Oil <sup>b</sup> | Residual Fuel Oil <sup>c</sup> | Other Liquids <sup>d</sup> | Petroleum Coke <sup>e</sup> | Total <sup>e</sup> |
|                                      |                   | Thousand Barrels                 |                                |                            | Thousand Short Tons         | Thousand Barrels   |
| <b>1973 Total</b> .....              | <b>86,967</b>     | <b>10,095</b>                    | <b>79,121</b>                  | <b>NA</b>                  | <b>312</b>                  | <b>90,776</b>      |
| <b>1974 Total</b> .....              | <b>83,509</b>     | <b>15,199</b>                    | <b>97,718</b>                  | <b>NA</b>                  | <b>35</b>                   | <b>113,091</b>     |
| <b>1975 Total</b> .....              | <b>110,724</b>    | <b>16,432</b>                    | <b>108,825</b>                 | <b>NA</b>                  | <b>31</b>                   | <b>125,413</b>     |
| <b>1976 Total</b> .....              | <b>117,436</b>    | <b>14,703</b>                    | <b>106,993</b>                 | <b>NA</b>                  | <b>32</b>                   | <b>121,857</b>     |
| <b>1977 Total</b> .....              | <b>133,219</b>    | <b>19,281</b>                    | <b>124,750</b>                 | <b>NA</b>                  | <b>44</b>                   | <b>144,252</b>     |
| <b>1978 Total</b> .....              | <b>128,225</b>    | <b>16,386</b>                    | <b>102,402</b>                 | <b>NA</b>                  | <b>198</b>                  | <b>119,778</b>     |
| <b>1979 Total</b> .....              | <b>159,714</b>    | <b>20,301</b>                    | <b>111,121</b>                 | <b>NA</b>                  | <b>183</b>                  | <b>132,338</b>     |
| <b>1980 Total</b> .....              | <b>183,010</b>    | <b>30,023</b>                    | <b>105,351</b>                 | <b>NA</b>                  | <b>52</b>                   | <b>135,635</b>     |
| <b>1981 Total</b> .....              | <b>168,893</b>    | <b>26,094</b>                    | <b>102,042</b>                 | <b>NA</b>                  | <b>42</b>                   | <b>128,345</b>     |
| <b>1982 Total</b> .....              | <b>181,132</b>    | <b>23,369</b>                    | <b>95,515</b>                  | <b>NA</b>                  | <b>41</b>                   | <b>119,090</b>     |
| <b>1983 Total</b> .....              | <b>155,598</b>    | <b>18,801</b>                    | <b>70,573</b>                  | <b>NA</b>                  | <b>55</b>                   | <b>89,652</b>      |
| <b>1984 Total</b> .....              | <b>179,727</b>    | <b>19,116</b>                    | <b>68,503</b>                  | <b>NA</b>                  | <b>50</b>                   | <b>87,870</b>      |
| <b>1985 Total</b> .....              | <b>156,376</b>    | <b>16,386</b>                    | <b>57,304</b>                  | <b>NA</b>                  | <b>49</b>                   | <b>73,933</b>      |
| <b>1986 Total</b> .....              | <b>161,806</b>    | <b>16,269</b>                    | <b>56,841</b>                  | <b>NA</b>                  | <b>40</b>                   | <b>73,313</b>      |
| <b>1987 Total</b> .....              | <b>170,797</b>    | <b>15,759</b>                    | <b>55,069</b>                  | <b>NA</b>                  | <b>51</b>                   | <b>71,084</b>      |
| <b>1988 Total</b> .....              | <b>146,507</b>    | <b>15,099</b>                    | <b>54,187</b>                  | <b>NA</b>                  | <b>86</b>                   | <b>69,714</b>      |
| <b>1989 Total</b> .....              | <b>135,860</b>    | <b>13,824</b>                    | <b>47,446</b>                  | <b>NA</b>                  | <b>105</b>                  | <b>61,795</b>      |
| <b>1990 Total</b> .....              | <b>156,166</b>    | <b>16,471</b>                    | <b>67,030</b>                  | <b>NA</b>                  | <b>94</b>                   | <b>83,970</b>      |
| <b>1991 Total</b> .....              | <b>157,876</b>    | <b>16,357</b>                    | <b>58,636</b>                  | <b>NA</b>                  | <b>70</b>                   | <b>75,343</b>      |
| <b>1992 Total</b> .....              | <b>154,130</b>    | <b>15,714</b>                    | <b>56,135</b>                  | <b>NA</b>                  | <b>67</b>                   | <b>72,183</b>      |
| <b>1993 Total</b> .....              | <b>111,341</b>    | <b>15,674</b>                    | <b>46,770</b>                  | <b>NA</b>                  | <b>89</b>                   | <b>62,890</b>      |
| <b>1994 Total</b> .....              | <b>126,897</b>    | <b>16,644</b>                    | <b>46,344</b>                  | <b>NA</b>                  | <b>69</b>                   | <b>63,333</b>      |
| <b>1995 Total</b> .....              | <b>126,304</b>    | <b>15,392</b>                    | <b>35,102</b>                  | <b>NA</b>                  | <b>65</b>                   | <b>50,821</b>      |
| <b>1996 Total</b> .....              | <b>114,623</b>    | <b>15,216</b>                    | <b>32,473</b>                  | <b>NA</b>                  | <b>91</b>                   | <b>48,146</b>      |
| <b>1997 Total</b> .....              | <b>98,826</b>     | <b>15,456</b>                    | <b>33,336</b>                  | <b>NA</b>                  | <b>469</b>                  | <b>51,138</b>      |
| <b>1998 Total</b> .....              | <b>120,501</b>    | <b>16,343</b>                    | <b>37,451</b>                  | <b>NA</b>                  | <b>559</b>                  | <b>56,591</b>      |
| <b>1999 Total</b> <sup>f</sup> ..... | <b>141,604</b>    | <b>17,995</b>                    | <b>34,256</b>                  | <b>NA</b>                  | <b>372</b>                  | <b>54,109</b>      |
| <b>2000 Total</b> .....              | <b>102,296</b>    | <b>15,127</b>                    | <b>24,748</b>                  | <b>NA</b>                  | <b>211</b>                  | <b>40,932</b>      |
| <b>2001 Total</b> .....              | <b>138,496</b>    | <b>20,486</b>                    | <b>34,594</b>                  | <b>NA</b>                  | <b>390</b>                  | <b>57,031</b>      |
| <b>2002</b> January .....            | 139,400           | 18,558                           | 34,833                         | 903                        | 798                         | 58,283             |
| February .....                       | 143,151           | 18,314                           | 32,792                         | 688                        | 912                         | 56,353             |
| March .....                          | 146,443           | 18,866                           | 28,447                         | 774                        | 1,082                       | 53,500             |
| April .....                          | 153,375           | 17,693                           | 28,485                         | 787                        | 1,144                       | 52,683             |
| May .....                            | 155,313           | 18,305                           | 28,241                         | 758                        | 1,149                       | 53,047             |
| June .....                           | 152,134           | 18,113                           | 30,412                         | 638                        | 1,206                       | 55,190             |
| July .....                           | 142,634           | 17,206                           | 26,986                         | 692                        | 1,208                       | 50,921             |
| August .....                         | 137,130           | 17,439                           | 25,697                         | 718                        | 1,393                       | 50,820             |
| September .....                      | 135,962           | 16,967                           | 22,841                         | 768                        | 1,508                       | 48,117             |
| October .....                        | 140,800           | 16,838                           | 23,926                         | 731                        | 1,667                       | 49,829             |
| November .....                       | 144,608           | 16,959                           | 25,127                         | 1,111                      | 1,714                       | 51,767             |
| December .....                       | 141,714           | 17,413                           | 25,723                         | 800                        | 1,711                       | 52,490             |
| <b>2003</b> January .....            | 135,771           | 15,431                           | 20,870                         | NA                         | 350                         | 38,051             |
| February .....                       | 128,828           | 14,564                           | 20,621                         | NA                         | 306                         | 36,713             |
| March .....                          | 131,162           | 19,849                           | 20,961                         | NA                         | 315                         | 42,385             |
| April .....                          | 138,895           | 15,351                           | 22,737                         | NA                         | 1,519                       | 45,681             |
| May .....                            | 143,884           | 15,058                           | 26,772                         | NA                         | 1,702                       | 50,339             |
| June .....                           | 142,325           | 15,426                           | 24,447                         | NA                         | 1,675                       | 48,250             |
| July .....                           | 132,964           | 16,570                           | 25,029                         | NA                         | 1,672                       | 49,957             |
| August .....                         | 125,725           | 15,771                           | 24,758                         | NA                         | 1,638                       | 48,722             |
| September .....                      | 122,425           | 20,509                           | 24,796                         | NA                         | 1,601                       | 53,309             |
| October .....                        | 126,002           | 21,213                           | 25,831                         | NA                         | 1,514                       | 54,617             |
| November .....                       | 126,200           | 16,776                           | 26,699                         | NA                         | 1,585                       | 51,400             |
| December .....                       | 121,371           | 19,563                           | 25,653                         | NA                         | 1,455                       | 52,489             |
| <b>2004</b> January .....            | 114,537           | 18,567                           | 24,020                         | 38                         | 1,286                       | 49,053             |
| February .....                       | 110,145           | 18,502                           | 25,609                         | 38                         | 1,235                       | 50,322             |
| March .....                          | 113,310           | 18,137                           | 24,489                         | 38                         | 1,254                       | 48,936             |
| April .....                          | 121,440           | 17,568                           | 24,291                         | 38                         | 1,026                       | 47,025             |
| May .....                            | 124,232           | 18,156                           | 24,853                         | 38                         | 987                         | 47,981             |
| June .....                           | 120,777           | 18,454                           | 25,908                         | 38                         | 1,097                       | 49,885             |
| July .....                           | 111,346           | 19,018                           | 25,885                         | 470                        | 1,068                       | 50,714             |

<sup>a</sup> Anthracite, bituminous coal, subbituminous coal, and lignite.

<sup>b</sup> For 1973-1979, gas turbine and internal combustion plant stocks of petroleum. For 1980-2001, electric utility data are for light oil (fuel oil nos. 1 and 2, and small amounts of kerosene and jet fuel).

<sup>c</sup> For 1973-1979, steam plant stocks of petroleum. For 1980-2001, electric utility data are for heavy oil (fuel oil nos. 5 and 6, and small amounts of fuel oil no. 4).

<sup>d</sup> Jet fuel, kerosene, other petroleum liquids, and waste oil.

<sup>e</sup> Petroleum coke is converted from short tons to barrels by multiplying by 5.

<sup>f</sup> Through 1998, data are for stocks at electric utilities only. Beginning in 1999, data also include stocks at independent power producers.

NA=Not available.

Notes: • 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.

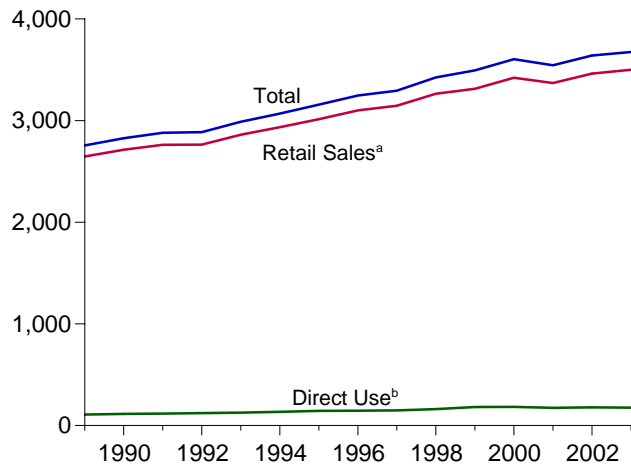
• Stocks are at end of year. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>.

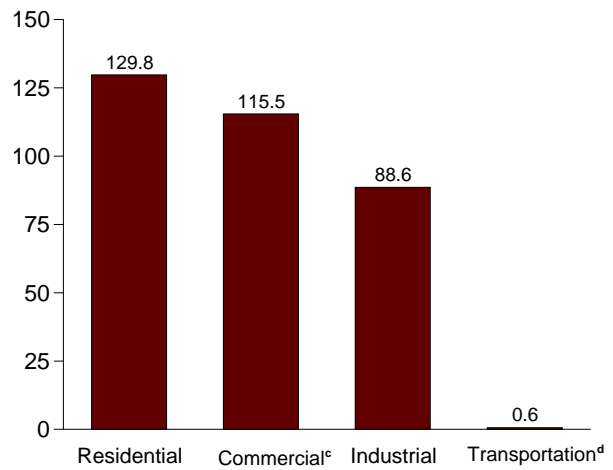
Sources: • **1973-September 1977:** Federal Power Commission, Form FPC-4, "Monthly Power Plant Report." • **October 1977-1981:** Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report." • **1982-1988:** Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." • **1989-1997:** EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-867, "Annual Nonutility Power Producer Report." • **1998-2000:** EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001:** EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report." • **2002 forward:** EIA, Form EIA-906, "Power Plant Report."

**Figure 7.5 Electricity End Use**  
(Billion Kilowatthours)

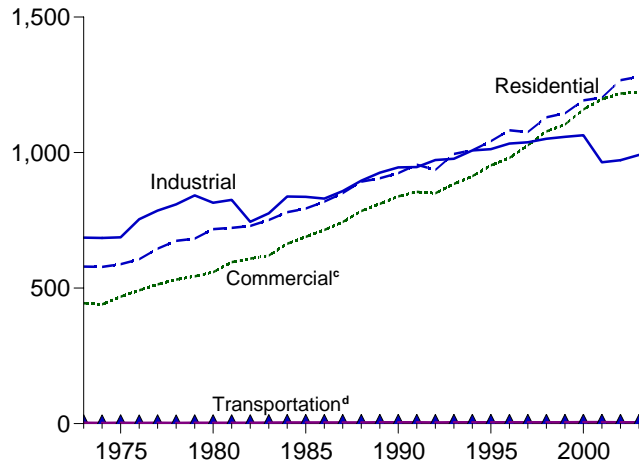
Electricity End Use Overview, 1989-2003



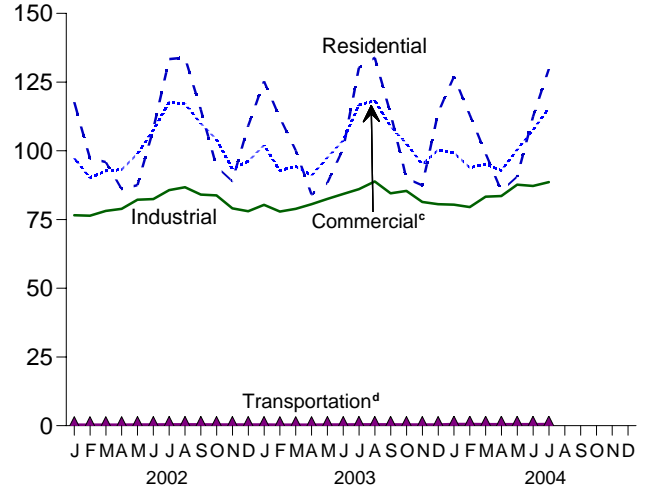
Retail Sales^a by Sector, July 2004



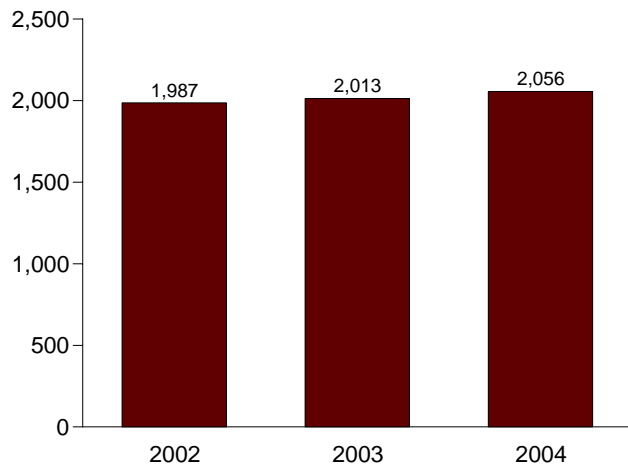
Retail Sales^a by Sector, 1973-2003



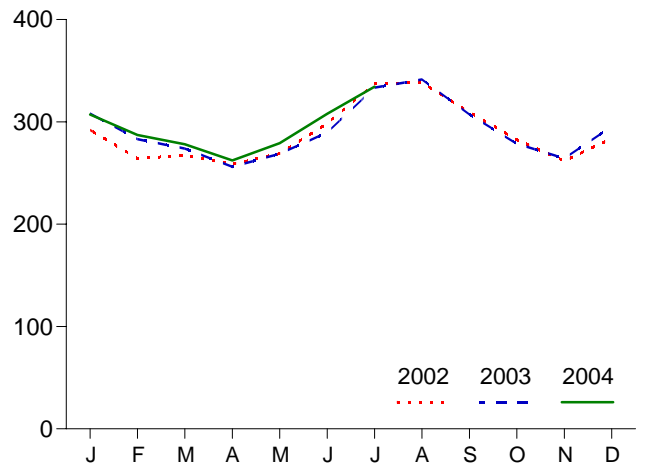
Retail Sales^a by Sector, Monthly



Retail Sales^a Total, January-July



Retail Sales^a Total, Monthly



<sup>a</sup>Electricity retail sales to ultimate customers reported by electric utilities and other energy service providers.

<sup>b</sup>Commercial and industrial facility use of onsite net electricity generation; and electricity sales among adjacent or co-located facilities for which revenue information is not available.

<sup>c</sup>Commercial sector, including public street and highway lighting, interdepartmental sales, and other sales to public authorities.

<sup>d</sup>Transportation sector, including sales to railroads and railways.

Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/elect.html>

Source: Table 7.5.



## Electricity

### Note. Classification of Power Plants Into Energy-Use Sectors

The Energy Information Administration (EIA) classifies power plants (both electricity-only and combined-heat-and-power plants) into energy-use sectors based on the North American Industry Classification System (NAICS), which replaced the Standard Industrial Classification (SIC) system in 1997. Plants with a NAICS code of 22 are assigned to the Electric Power Sector. Those with NAICS codes beginning with 11 (agriculture, forestry, fishing, and hunting); 21 (mining, including oil and gas extraction); 23 (construction); 31-33 (manufacturing); 2212 (natural gas distribution); and 22131 (water supply and irrigation systems) are assigned to the Industrial Sector. Those with all other codes are assigned to the Commercial Sector. Form EIA-860, "Annual Electric Generator Report," asks respondents to indicate the primary purpose of the facility by assigning a NAICS code from the universal list at: [www.census.gov/epcd/naics02/naicod02.htm](http://www.census.gov/epcd/naics02/naicod02.htm).

### Table 7.1 Sources: Imports and Exports of Electricity

#### Electricity Trade With Canada and Mexico, 1973-1989:

1973–September 1977: Unpublished Federal Power Commission data.

October 1977–1980: Unpublished Economic Regulatory Administration (ERA) data.

1981: Department of Energy (DOE), Office of Energy Emergency Operations, "Report on Electric Energy Exchanges with Canada and Mexico for Calendar Year 1981," April 1982 (revised June 1982).

1982 and 1983: DOE, ERA, *Electricity Exchanges Across International Borders*.

1984–1986: DOE, ERA, *Electricity Transactions Across International Borders*.

1987 and 1988: DOE, ERA, Form ERA-781R, "Annual Report of International Electrical Export/Import Data."

1989: DOE, Fossil Energy, Form FE-781R, "Annual Report of International Electrical Export/Import Data."

#### Electricity Trade with Canada, 1990 Forward:

National Energy Board of Canada, data for total sales (firm and interruptible; which exclude non-revenue, inadvertent, and service) from Canada to the United States, and data for total purchases (which exclude non-revenue, inadvertent, and service) by Canada from the United States.

#### Electricity Trade with Mexico, 1990 Forward:

DOE, Fossil Energy, Office of Fuels Programs, Form FE-781R, "Annual Report of International Electrical Export/Import Data."

#### Table 7.2a Notes:

• Totals may not equal sum of components due to independent-

ent rounding. • Geographic coverage is the 50 states and the District of Columbia.

#### Table 7.2a Web Page:

[Http://www.eia.doe.gov/emeu/mer/elect.html](http://www.eia.doe.gov/emeu/mer/elect.html).

#### Table 7.2a Sources:

See sources for Tables 7.2b and 7.2c.

#### Table 7.2b Notes:

• 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.

#### Table 7.2b Web Page:

<http://www.eia.doe.gov/emeu/mer/elect.html>.

#### Table 7.2b Sources:

1973–September 1977: Federal Power Commission, Form FPC-4, "Monthly Power Plant Report."

October 1977–1981: Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report."

1982–1988: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report."

1989–1997: EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-860B, "Annual Electric Generator Report-Nonutility."

2001 and 2002: EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report."

2003 forward: EIA, Form EIA-906, "Power Plant Report."

#### Table 7.3d Notes:

• Data are for fuels consumed to produce electricity; they exclude fuels consumed to produce useful thermal output. Consumption for electricity generation at combined-heat-and-power (CHP) plants is estimated. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

#### Table 7.3d Web Page:

[Http://www.eia.doe.gov/emeu/mer/elect.html](http://www.eia.doe.gov/emeu/mer/elect.html).

#### Table 7.3d Sources:

See sources for Tables 7.3e and 7.3f.

**Table 7.3e Notes:**

• Data are for fuels consumed to produce electricity; they exclude fuels consumed to produce useful thermal output. Consumption for electricity generation at combined-heat-and-power (CHP) plants is estimated. • 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.

**Table 7.3e Web Page:**

[Http://www.eia.doe.gov/emeu/mer/elect.html](http://www.eia.doe.gov/emeu/mer/elect.html).

**Table 7.3e Sources:**

1973-September 1977: Federal Power Commission, Form FPC-4, "Monthly Power Plant Report."  
 1977-1981: Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report."  
 1982-1988: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report."  
 1989-1997: EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-867, "Annual Nonutility Power Producer Report."  
 1998-2000: EIA, Form EIA-759, "Monthly Power Plant Report" and Form EIA-860B, "Annual Electric Generator Report-Nonutility."  
 2001 and 2002: EIA, Form EIA-860, "Annual Electric Generator Report" and Form EIA-906, "Power Plant Report."  
 2003 forward: EIA, Form EIA-906, "Power Plant Report."

**Table 7.5 Notes:**

• Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

[Http://www.eia.doe.gov/emeu/mer/elect.html](http://www.eia.doe.gov/emeu/mer/elect.html).

**Table 7.5 Sources:****Retail Sales:**

1973-September 1977: Federal Power Commission (FPC), Form FPC-5, "Monthly Statement of Electric Operating Revenue and Income."  
 October 1977-February 1980: Federal Energy Regulatory Commission (FERC), Form FPC-5, "Monthly Statement of Electric Operating Revenue and Income."  
 March 1980-1982: FERC, Form FPC-5, "Electric Utility Company Monthly Statement."  
 1983: Energy Information Administration (EIA), Form EIA-826, "Monthly Electric Utility Sales and Revenue Report with State Distributions" (formerly "Electric Utility Company Monthly Statement").  
 1984-1989: EIA, Form EIA-861, "Annual Electric Utility Report."  
 1990 forward: EIA, *Electric Power Monthly*, October 2004, Table 5.1.

**Direct Use, Annual:**

1989-1997: EIA, Form EIA-867, "Annual Nonutility Power Producer Report."  
 1998-2000: EIA, Form EIA-860B, "Annual Electric Generator Report-Nonutility."  
 2001-2003: Estimates are based on the 2000 value adjusted by the percentage increase in commercial and industrial net generation on Table 7.1.

**Direct Use, Monthly:** Estimates are derived by dividing the annual value by the number of days in the year and then multiplying by the number of days in the month. (To derive monthly estimates for the current year, the previous year's annual value is used in the calculation.)

**Table 7.5 Web Page:**