

**Table 2.10 Commercial Buildings Energy Consumption and Expenditure Indicators, Selected Years, 1979-2003**

| Energy Source and Year            | Building Characteristics |                   |                          | Energy Consumption |              |                 |                  | Energy Expenditures          |                               |                      |                      |
|-----------------------------------|--------------------------|-------------------|--------------------------|--------------------|--------------|-----------------|------------------|------------------------------|-------------------------------|----------------------|----------------------|
|                                   | Number of Buildings      | Total Square Feet | Square Feet per Building | Total              | Per Building | Per Square Foot | Per Employee     | Total                        | Per Building                  | Per Square Foot      | Per Million Btu      |
|                                   | Thousands                | Millions          | Thousands                | Trillion Btu       | Million Btu  | Thousand Btu    | Million Btu      | Million Dollars <sup>1</sup> | Thousand Dollars <sup>1</sup> | Dollars <sup>1</sup> | Dollars <sup>1</sup> |
| <b>Major Sources <sup>2</sup></b> |                          |                   |                          |                    |              |                 |                  |                              |                               |                      |                      |
| 1979 .....                        | 3,073                    | 43,546            | 14.2                     | 5,008              | 1,630        | 115.0           | 85.0             | 33,821                       | 11.0                          | 0.78                 | 6.75                 |
| 1983 .....                        | 3,185                    | 49,471            | 15.5                     | 4,856              | 1,525        | 98.2            | 65.7             | 55,764                       | 17.5                          | 1.13                 | 11.48                |
| 1986 .....                        | 4,154                    | 58,199            | 14.0                     | 5,040              | 1,213        | 86.6            | 68.6             | 60,762                       | 14.6                          | 1.04                 | 12.06                |
| 1989 .....                        | 4,528                    | 63,184            | 14.0                     | 5,788              | 1,278        | 91.6            | 81.9             | 70,826                       | 15.6                          | 1.12                 | 12.24                |
| 1992 .....                        | 4,806                    | 67,876            | 14.1                     | 5,490              | 1,142        | 80.9            | 77.1             | 71,821                       | 14.9                          | 1.06                 | 13.08                |
| 1995 <sup>3</sup> .....           | 4,579                    | 58,772            | 12.8                     | 5,321              | 1,162        | 90.5            | 69.3             | 69,918                       | 15.3                          | 1.19                 | 13.14                |
| 1999 .....                        | 4,657                    | 67,338            | 14.5                     | 5,733              | 1,231        | 85.1            | 70.0             | 81,552                       | 17.5                          | 1.21                 | 14.22                |
| 2003 .....                        | 4,859                    | 71,658            | 14.7                     | 6,523              | 1,342        | 91.0            | ( <sup>5</sup> ) | 107,897                      | 22.2                          | 1.51                 | 16.54                |
| <b>Electricity <sup>4</sup></b>   |                          |                   |                          |                    |              |                 |                  |                              |                               |                      |                      |
| 1979 .....                        | 3,001                    | 43,153            | 14.4                     | 1,908              | 636          | 44.2            | 32.4             | 23,751                       | 7.9                           | .55                  | 12.45                |
| 1983 .....                        | 3,052                    | 48,327            | 15.8                     | 2,129              | 697          | 44.1            | 28.9             | 39,279                       | 12.9                          | .81                  | 18.45                |
| 1986 .....                        | 3,965                    | 56,508            | 14.3                     | 2,390              | 603          | 42.3            | 32.7             | 47,186                       | 11.9                          | .84                  | 19.74                |
| 1989 .....                        | 4,294                    | 61,563            | 14.3                     | 2,773              | 646          | 45.0            | 39.3             | 55,943                       | 13.0                          | .91                  | 20.17                |
| 1992 .....                        | 4,611                    | 66,525            | 14.4                     | 2,609              | 566          | 39.2            | 36.6             | 57,619                       | 12.5                          | .87                  | 22.09                |
| 1995 <sup>3</sup> .....           | 4,343                    | 57,076            | 13.1                     | 2,608              | 600          | 45.7            | 34.1             | 56,621                       | 13.0                          | .99                  | 21.71                |
| 1999 .....                        | 4,395                    | 65,716            | 15.0                     | 3,098              | 706          | 47.1            | 37.9             | 66,424                       | 15.1                          | 1.01                 | 21.44                |
| 2003 .....                        | 4,617                    | 70,181            | 15.2                     | 3,559              | 771          | 50.7            | ( <sup>5</sup> ) | 82,783                       | 17.9                          | 1.18                 | 23.26                |
| <b>Natural Gas</b>                |                          |                   |                          |                    |              |                 |                  |                              |                               |                      |                      |
| 1979 .....                        | 1,864                    | 30,477            | 16.4                     | 2,174              | 1,167        | 71.3            | 52.5             | 5,814                        | 3.1                           | .19                  | 2.67                 |
| 1983 .....                        | 1,904                    | 33,935            | 17.8                     | 2,091              | 1,098        | 61.6            | 40.6             | 11,443                       | 6.0                           | .34                  | 5.47                 |
| 1986 .....                        | 2,214                    | 37,263            | 16.8                     | 1,723              | 778          | 46.2            | 35.2             | 8,355                        | 3.8                           | .22                  | 4.85                 |
| 1989 .....                        | 2,420                    | 41,143            | 17.0                     | 2,073              | 857          | 50.4            | 43.2             | 9,204                        | 3.8                           | .22                  | 4.44                 |
| 1992 .....                        | 2,657                    | 44,994            | 16.9                     | 2,174              | 818          | 48.3            | 42.5             | 9,901                        | 3.7                           | .22                  | 4.55                 |
| 1995 <sup>3</sup> .....           | 2,478                    | 38,145            | 15.4                     | 1,946              | 785          | 51.0            | 38.7             | 9,018                        | 3.6                           | .24                  | 4.63                 |
| 1999 .....                        | 2,670                    | 45,525            | 17.1                     | 2,023              | 758          | 44.4            | 36.0             | 10,609                       | 4.0                           | .23                  | 5.24                 |
| 2003 .....                        | 2,538                    | 48,473            | 19.1                     | 2,100              | 828          | 43.3            | ( <sup>5</sup> ) | 16,010                       | 6.3                           | .33                  | 7.62                 |
| <b>Fuel Oil <sup>6</sup></b>      |                          |                   |                          |                    |              |                 |                  |                              |                               |                      |                      |
| 1979 .....                        | 641                      | 11,397            | 17.8                     | 681                | 1,063        | 59.7            | 40.5             | 2,765                        | 4.3                           | .24                  | 4.06                 |
| 1983 .....                        | 441                      | 9,409             | 21.3                     | 314                | 714          | 33.4            | 19.8             | 2,102                        | 4.8                           | .22                  | 6.68                 |
| 1986 .....                        | 534                      | 11,005            | 20.6                     | 442                | 827          | 40.1            | 27.7             | 2,059                        | 3.9                           | .19                  | 4.66                 |
| 1989 .....                        | 581                      | 12,600            | 21.7                     | 357                | 614          | 28.3            | 21.0             | 1,822                        | 3.1                           | .14                  | 5.11                 |
| 1992 .....                        | 560                      | 13,215            | 23.6                     | 272                | 487          | 20.6            | 15.1             | 1,400                        | 2.5                           | .11                  | 5.14                 |
| 1995 <sup>3</sup> .....           | 607                      | 14,421            | 23.7                     | 235                | 387          | 16.3            | 10.2             | 1,175                        | 1.9                           | .08                  | 5.00                 |
| 1999 .....                        | 434                      | 13,285            | 30.6                     | 179                | 412          | 13.5            | 9.1              | 956                          | 2.2                           | .07                  | 5.35                 |
| 2003 .....                        | 465                      | 16,265            | 35.0                     | 228                | 490          | 14.0            | ( <sup>5</sup> ) | 1,826                        | 3.9                           | .11                  | 8.01                 |
| <b>District Heat <sup>7</sup></b> |                          |                   |                          |                    |              |                 |                  |                              |                               |                      |                      |
| 1979 .....                        | 47                       | 3,722             | 79.0                     | 201                | 4,267        | 54.0            | 26.5             | 1,267                        | 26.9                          | .34                  | 6.30                 |
| 1983 .....                        | 64                       | 4,643             | 72.9                     | 289                | 4,530        | 62.1            | 34.4             | 2,627                        | 41.2                          | .57                  | 9.10                 |
| 1986 .....                        | 77                       | 4,625             | 59.7                     | 422                | 5,446        | 91.2            | 52.4             | 2,620                        | 33.8                          | .57                  | 6.21                 |
| 1989 .....                        | 98                       | 6,578             | 67.0                     | 585                | 5,964        | 89.0            | 56.5             | 3,857                        | 39.3                          | .59                  | 6.59                 |
| 1992 .....                        | 95                       | 5,245             | 55.4                     | 435                | 4,596        | 82.9            | 60.9             | 2,901                        | 30.7                          | .55                  | 6.67                 |
| 1995 <sup>3</sup> .....           | 110                      | 5,658             | 51.5                     | 533                | 4,849        | 94.1            | 51.2             | 3,103                        | 28.3                          | .55                  | 5.83                 |
| 1999 .....                        | 117                      | 5,891             | 50.2                     | 433                | 3,692        | 73.6            | 50.1             | 3,564                        | 30.4                          | .60                  | 8.23                 |
| 2003 .....                        | 67                       | 5,576             | 83.0                     | 636                | 9,470        | 114.0           | ( <sup>5</sup> ) | 7,279                        | 108.4                         | 1.31                 | 11.45                |

<sup>1</sup> Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

<sup>2</sup> Includes electricity, natural gas, fuel oil, and district heat.

<sup>3</sup> Beginning in 1995, excludes commercial buildings at multi-building manufacturing facilities, and parking garages.

<sup>4</sup> Electricity only; excludes electricity system energy losses.

<sup>5</sup> Total number of employees not collected in 2003.

<sup>6</sup> Distillate fuel oil, residual fuel oil, and kerosene.

<sup>7</sup> Through 1983, includes purchased steam only. Beginning in 1986, includes purchased and

non-purchased steam and hot water.

Note: Data are estimates. Statistics for individual fuels are for all buildings using each fuel. Statistics for major sources are for all buildings, even buildings using no major fuel.

Web Page: For related information, see <http://www.eia.gov/emeu/cbecs>.

Sources: • 1979—U.S. Energy Information Administration (EIA), Form EIA-143, "Nonresidential Buildings Energy Consumption Survey." • 1983—EIA, Form EIA-788, "Nonresidential Buildings Energy Consumption Survey." • 1986—EIA, Form EIA-871, "Nonresidential Buildings Energy Consumption Survey." • 1989 forward—EIA, Form EIA-871A-F, "Commercial Buildings Energy Consumption Survey."