

Table C21A. Electricity Consumption and Conditional Energy Intensity by Building Size for All Buildings, 2003

| | Total Electricity Consumption (billion kWh) | | | Total Floorspace of Buildings Using Electricity (million square feet) | | | Electricity Energy Intensity (kWh/square foot) | | |
|--------------------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings | 201 | 412 | 431 | 13,124 | 31,858 | 25,200 | 15.3 | 12.9 | 17.1 |
| Principal Building Activity | | | | | | | | | |
| Education | 9 | 55 | 45 | 806 | 5,378 | 3,687 | 11.1 | 10.2 | 12.2 |
| Food Sales | 36 | 24 | Q | 747 | 467 | Q | 48.8 | 51.1 | Q |
| Food Service | 47 | 16 | Q | 986 | 664 | Q | 47.8 | 24.5 | Q |
| Health Care | 6 | 17 | 50 | 445 | 835 | 1,883 | 13.1 | 20.5 | 26.3 |
| Inpatient | N | Q | 47 | N | Q | 1,723 | N | Q | 27.0 |
| Outpatient | 6 | 11 | Q | 445 | 652 | Q | 13.1 | 17.4 | Q |
| Lodging | 4 | 31 | 34 | 260 | 2,274 | 2,563 | 14.0 | 13.5 | 13.5 |
| Mercantile | 28 | 99 | 89 | 1,944 | 5,204 | 4,044 | 14.2 | 19.0 | 21.9 |
| Retail (Other Than Mall) | 17 | 28 | 18 | 1,363 | 2,133 | 821 | 12.2 | 12.9 | 21.5 |
| Enclosed and Strip Malls | 11 | 71 | 71 | 581 | 3,071 | 3,223 | 19.1 | 23.1 | 22.0 |
| Office | 30 | 75 | 105 | 2,320 | 4,602 | 5,286 | 12.9 | 16.4 | 19.9 |
| Public Assembly | 10 | 21 | 19 | 850 | 1,851 | 1,233 | 11.6 | 11.2 | Q |
| Public Order and Safety | 2 | 6 | Q | 231 | 390 | Q | 10.4 | 14.9 | Q |
| Religious Worship | 5 | 11 | Q | 1,160 | 2,391 | Q | 4.5 | 4.7 | Q |
| Service | 14 | 19 | Q | 1,687 | 1,862 | Q | 8.2 | 10.2 | Q |
| Warehouse and Storage | 7 | 25 | 40 | 1,256 | 4,482 | 3,687 | 5.8 | 5.5 | 10.8 |
| Other | 2 | 11 | 25 | 206 | 601 | 922 | 9.6 | 19.1 | 27.6 |
| Vacant | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| Year Constructed | | | | | | | | | |
| Before 1920 | 6 | 14 | 6 | 959 | 1,981 | 805 | 6.8 | 7.3 | 7.0 |
| 1920 to 1945 | 16 | 19 | 28 | 1,514 | 2,426 | 2,768 | 10.9 | 7.8 | 10.0 |
| 1946 to 1959 | 16 | 28 | 28 | 1,517 | 3,301 | 2,237 | 10.8 | 8.5 | 12.4 |
| 1960 to 1969 | 20 | 49 | 37 | 1,584 | 4,457 | 2,556 | 12.5 | 11.0 | 14.3 |
| 1970 to 1979 | 37 | 82 | 82 | 2,369 | 5,388 | 4,301 | 15.7 | 15.3 | 19.2 |
| 1980 to 1989 | 38 | 79 | 114 | 1,968 | 4,912 | 5,410 | 19.2 | 16.2 | 21.1 |
| 1990 to 1999 | 52 | 95 | 94 | 2,325 | 6,647 | 4,726 | 22.3 | 14.3 | 20.0 |
| 2000 to 2003 | 15 | 44 | 42 | 887 | 2,745 | 2,396 | 16.8 | 16.2 | 17.7 |
| Census Region and Division | | | | | | | | | |
| Northeast | 25 | 64 | 83 | 2,159 | 5,754 | 5,985 | 11.6 | 11.1 | 13.9 |
| New England | 8 | 18 | 16 | 729 | 1,630 | 1,071 | 10.7 | 11.0 | 14.5 |
| Middle Atlantic | 17 | 46 | 68 | 1,431 | 4,124 | 4,914 | 12.0 | 11.2 | 13.7 |
| Midwest | 47 | 98 | 89 | 3,299 | 8,321 | 6,104 | 14.3 | 11.8 | 14.6 |
| East North Central | 30 | 65 | 74 | 1,797 | 5,505 | 4,900 | 16.5 | 11.8 | 15.0 |
| West North Central | 18 | 33 | 15 | 1,502 | 2,816 | 1,204 | 11.7 | 11.8 | 12.6 |
| South | 89 | 176 | 187 | 5,050 | 12,123 | 8,844 | 17.6 | 14.5 | 21.2 |
| South Atlantic | 48 | 94 | 111 | 2,622 | 6,074 | 5,141 | 18.2 | 15.5 | 21.7 |
| East South Central | 13 | 30 | 15 | 868 | 2,081 | 597 | 14.4 | 14.6 | 24.3 |
| West South Central | 29 | 51 | 61 | 1,560 | 3,969 | 3,105 | 18.4 | 12.8 | 19.8 |
| West | 40 | 74 | 71 | 2,615 | 5,659 | 4,267 | 15.2 | 13.1 | 16.7 |
| Mountain | 12 | 28 | 27 | 890 | 1,993 | 1,282 | 13.9 | 14.1 | 21.4 |
| Pacific | 27 | 46 | 44 | 1,725 | 3,667 | 2,984 | 15.9 | 12.5 | 14.7 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 31 | 60 | 47 | 2,385 | 5,382 | 3,534 | 13.0 | 11.1 | 13.2 |
| 5,500-7,000 HDD | 45 | 102 | 108 | 3,270 | 8,627 | 6,652 | 13.6 | 11.8 | 16.2 |
| 4,000-5,499 HDD | 29 | 71 | 89 | 1,986 | 4,872 | 5,516 | 14.6 | 14.5 | 16.2 |
| Fewer than 4,000 HDD | 59 | 97 | 105 | 3,666 | 7,762 | 5,636 | 16.0 | 12.5 | 18.6 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 37 | 83 | 82 | 1,817 | 5,215 | 3,863 | 20.6 | 15.8 | 21.2 |

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|--|--|--|-----------------------------------|--|--|-----------------------------------|---|--|-----------------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings | 201 | 412 | 431 | 13,124 | 31,858 | 25,200 | 15.3 | 12.9 | 17.1 |
| Number of Establishments | | | | | | | | | |
| One | 166 | 252 | 208 | 10,331 | 20,970 | 13,077 | 16.0 | 12.0 | 15.9 |
| 2 to 5 | 31 | 76 | 73 | 2,372 | 6,221 | 3,934 | 13.2 | 12.3 | 18.6 |
| 6 to 10 | Q | 41 | 23 | Q | 2,060 | 1,106 | Q | 20.0 | 20.6 |
| 11 to 20 | Q | 32 | 31 | Q | 1,548 | 1,819 | Q | 21.0 | 17.2 |
| More than 20 | Q | 8 | 94 | Q | 462 | 4,571 | Q | 18.4 | 20.5 |
| Currently Unoccupied | Q | Q | Q | Q | Q | Q | Q | Q | Q |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 201 | 412 | 431 | 13,124 | 31,858 | 25,200 | 15.3 | 12.9 | 17.1 |
| Natural Gas | 118 | 292 | 333 | 7,142 | 21,928 | 19,396 | 16.6 | 13.3 | 17.2 |
| Fuel Oil | 13 | 59 | 203 | 1,327 | 3,790 | 11,133 | 9.6 | 15.5 | 18.3 |
| District Heat | Q | 20 | 80 | Q | 1,232 | 4,244 | Q | 16.4 | 18.8 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 188 | 400 | 418 | 11,963 | 29,981 | 24,466 | 15.7 | 13.3 | 17.1 |
| Buildings with Cooling | 189 | 403 | 418 | 10,918 | 28,985 | 23,642 | 17.3 | 13.9 | 17.7 |
| Buildings with Water Heating | 180 | 397 | 414 | 10,551 | 28,569 | 23,692 | 17.1 | 13.9 | 17.5 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 4 | Q | Q | 1,954 | Q | Q | 1.8 | Q | Q |
| 10,001 to 50,000 | 39 | 6 | Q | 5,607 | 3,534 | Q | 7.0 | 1.8 | Q |
| 50,001 to 100,000 | 41 | 14 | Q | 2,782 | 3,382 | Q | 14.6 | 4.1 | Q |
| 100,001 to 500,000 | 102 | 133 | 3 | 2,628 | 13,156 | 1,838 | 38.7 | 10.1 | 1.6 |
| 500,001 to 1,000,000 | Q | 90 | 8 | Q | 5,538 | 1,696 | Q | 16.2 | 4.6 |
| 1,000,001 to 5,000,000 | Q | 166 | 164 | Q | 5,369 | 10,206 | Q | 30.9 | 16.1 |
| Over 5,000,000 | N | Q | 255 | N | Q | 10,720 | N | Q | 23.8 |

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site <http://www.eia.doe.gov/emeu/cbecs>.

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample that use electricity.

Notes: • Statistics for the "Energy End Uses" category represent total consumption in buildings that have the end use, not consumption specifically for that particular end use. • Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.