

Table B23. Energy Sources, Floorspace for Non-Mall Buildings, 2003

| | Total Floorspace (million square feet) | | | | | | | | |
|--|--|-----------------------------------|---|-------------|----------|---------------|------------------------|---------|--------------------|
| | All Buildings* | Buildings Using Any Energy Source | Energy Sources Used (more than one may apply) | | | | | | |
| | | | Elec- tricity | Natural Gas | Fuel Oil | District Heat | District Chilled Water | Propane | Other ^a |
| All Buildings* | 64,783 | 63,343 | 63,307 | 43,468 | 15,157 | 5,443 | 2,853 | 7,076 | 1,401 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 6,789 | 6,362 | 6,346 | 3,084 | 600 | Q | Q | 806 | 199 |
| 5,001 to 10,000 | 6,585 | 6,212 | 6,197 | 3,692 | 716 | Q | Q | 725 | Q |
| 10,001 to 25,000 | 11,535 | 11,370 | 11,370 | 7,053 | 966 | 289 | Q | 1,014 | Q |
| 25,001 to 50,000 | 8,668 | 8,385 | 8,385 | 6,025 | 825 | 369 | 240 | 638 | Q |
| 50,001 to 100,000 | 9,057 | 9,031 | 9,031 | 6,683 | 1,740 | 574 | 332 | 925 | Q |
| 100,001 to 200,000 | 9,064 | 9,018 | 9,018 | 6,645 | 2,927 | 1,399 | 793 | 989 | Q |
| 200,001 to 500,000 | 7,176 | 7,056 | 7,051 | 5,679 | 3,400 | 1,018 | 495 | 1,165 | Q |
| Over 500,000 | 5,908 | 5,908 | 5,908 | 4,606 | 3,981 | 1,693 | 822 | Q | Q |
| Principal Building Activity | | | | | | | | | |
| Education | 9,874 | 9,874 | 9,871 | 7,045 | 1,864 | 1,145 | 768 | 855 | Q |
| Food Sales | 1,255 | 1,255 | 1,237 | 747 | Q | N | N | Q | Q |
| Food Service | 1,654 | 1,654 | 1,654 | 1,396 | Q | Q | Q | 220 | Q |
| Health Care | 3,163 | 3,163 | 3,163 | 2,544 | 1,882 | 493 | 297 | 397 | Q |
| Inpatient | 1,905 | 1,905 | 1,905 | 1,805 | 1,683 | 436 | 279 | 329 | Q |
| Outpatient | 1,258 | 1,258 | 1,258 | 739 | 199 | Q | Q | Q | N |
| Lodging | 5,096 | 5,096 | 5,096 | 4,256 | 2,193 | 345 | Q | 614 | Q |
| Retail (Other Than Mall)..... | 4,317 | 4,317 | 4,317 | 2,866 | 501 | Q | Q | 382 | Q |
| Office | 12,208 | 12,208 | 12,208 | 8,208 | 4,075 | 1,569 | 730 | 368 | 272 |
| Public Assembly | 3,939 | 3,935 | 3,935 | 2,723 | 939 | 547 | 458 | 393 | Q |
| Public Order and Safety | 1,090 | 1,090 | 1,090 | 637 | 620 | Q | Q | Q | Q |
| Religious Worship | 3,754 | 3,754 | 3,754 | 2,629 | 453 | Q | Q | 381 | N |
| Service | 4,050 | 3,982 | 3,982 | 2,496 | 626 | Q | N | 557 | 402 |
| Warehouse and Storage | 10,078 | 9,425 | 9,425 | 5,494 | 1,268 | Q | Q | 2,217 | Q |
| Other | 1,738 | 1,738 | 1,729 | 1,252 | 454 | Q | Q | Q | Q |
| Vacant | 2,567 | 1,852 | 1,846 | 1,176 | Q | Q | Q | Q | Q |
| Year Constructed | | | | | | | | | |
| Before 1920 | 3,769 | 3,732 | 3,730 | 2,759 | 961 | 294 | Q | 338 | Q |
| 1920 to 1945 | 6,871 | 6,597 | 6,595 | 4,679 | 1,986 | 1,207 | Q | 961 | Q |
| 1946 to 1959 | 7,045 | 6,840 | 6,838 | 4,659 | 2,048 | 705 | 359 | 726 | Q |
| 1960 to 1969 | 8,101 | 8,057 | 8,057 | 5,635 | 1,685 | 853 | 446 | 746 | 281 |
| 1970 to 1979 | 10,772 | 10,558 | 10,555 | 7,659 | 2,187 | 588 | 456 | 1,222 | 401 |
| 1980 to 1989 | 10,332 | 10,163 | 10,154 | 6,469 | 3,079 | 888 | 531 | 922 | Q |
| 1990 to 1999 | 12,360 | 12,096 | 12,078 | 8,177 | 2,086 | 705 | 804 | 1,428 | Q |
| 2000 to 2003 | 5,533 | 5,299 | 5,299 | 3,431 | 1,125 | Q | Q | 733 | Q |
| Census Region | | | | | | | | | |
| Northeast | 12,905 | 12,809 | 12,809 | 9,181 | 6,080 | 1,363 | 620 | 1,354 | 222 |
| Midwest | 17,080 | 16,729 | 16,701 | 13,163 | 2,832 | 1,648 | 596 | 2,189 | 505 |
| South | 23,489 | 22,774 | 22,766 | 13,311 | 4,122 | 1,766 | 1,150 | 2,360 | 306 |
| West | 11,310 | 11,030 | 11,030 | 7,813 | 2,123 | 667 | 487 | 1,173 | 367 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 10,622 | 10,404 | 10,393 | 7,645 | 2,499 | 825 | 350 | 1,607 | 483 |
| 5,500-7,000 HDD | 17,335 | 17,091 | 17,076 | 12,850 | 4,052 | 1,784 | 698 | 2,036 | 378 |
| 4,000-5,499 HDD | 11,504 | 11,381 | 11,375 | 8,113 | 4,628 | 1,349 | 514 | 1,102 | 268 |
| Fewer than 4,000 HDD | 15,739 | 15,172 | 15,172 | 10,509 | 2,337 | 1,025 | 659 | 1,403 | 223 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 9,584 | 9,295 | 9,290 | 4,350 | 1,642 | 460 | 633 | 928 | Q |

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| | Total Floorspace (million square feet) | | | | | | | | |
|--|--|-----------------------------------|---|-------------|----------|---------------|------------------------|---------|--------------------|
| | All Buildings* | Buildings Using Any Energy Source | Energy Sources Used (more than one may apply) | | | | | | |
| | | | Electricity | Natural Gas | Fuel Oil | District Heat | District Chilled Water | Propane | Other ^a |
| All Buildings* | 64,783 | 63,343 | 63,307 | 43,468 | 15,157 | 5,443 | 2,853 | 7,076 | 1,401 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 15,492 | 14,097 | 14,061 | 7,023 | 1,459 | 853 | Q | 2,092 | 307 |
| 5 to 9 | 6,166 | 6,147 | 6,147 | 4,084 | 625 | Q | Q | 564 | Q |
| 10 to 19 | 7,803 | 7,803 | 7,803 | 5,317 | 1,024 | Q | Q | 907 | Q |
| 20 to 49 | 10,989 | 10,962 | 10,962 | 8,212 | 1,602 | 667 | 327 | 907 | 319 |
| 50 to 99 | 7,934 | 7,934 | 7,934 | 6,156 | 2,131 | 474 | 505 | 956 | Q |
| 100 to 249 | 6,871 | 6,871 | 6,871 | 5,127 | 2,149 | 1,050 | 583 | 661 | Q |
| 250 or More | 9,528 | 9,528 | 9,528 | 7,549 | 6,168 | 2,191 | 1,219 | 989 | 205 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 6,863 | 5,934 | 5,900 | 3,259 | 576 | Q | Q | 692 | Q |
| 40 to 48 | 11,622 | 11,571 | 11,571 | 6,913 | 1,994 | 493 | Q | 942 | 238 |
| 49 to 60 | 15,723 | 15,705 | 15,702 | 10,191 | 3,015 | 1,590 | 658 | 2,034 | 313 |
| 61 to 84 | 10,334 | 10,312 | 10,312 | 7,468 | 2,089 | 785 | 347 | 927 | Q |
| 85 to 167 | 7,092 | 6,941 | 6,941 | 5,225 | 1,508 | 790 | 604 | 973 | Q |
| Open Continuously | 13,149 | 12,881 | 12,881 | 10,411 | 5,976 | 1,605 | 753 | 1,508 | 399 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 49,421 | 48,043 | 48,012 | 33,317 | 11,374 | 2,148 | 1,069 | 5,280 | 1,033 |
| Owner Occupied | 23,591 | 23,478 | 23,454 | 16,548 | 6,092 | 1,421 | 711 | 2,481 | 611 |
| Nonowner Occupied | 23,914 | 23,263 | 23,258 | 15,886 | 5,215 | 698 | 323 | 2,639 | 396 |
| Unoccupied | 1,916 | 1,301 | 1,299 | 883 | Q | Q | Q | Q | Q |
| Government Owned | 15,363 | 15,300 | 15,295 | 10,150 | 3,783 | 3,295 | 1,785 | 1,796 | 368 |
| Federal | 1,956 | 1,956 | 1,951 | 1,083 | 381 | Q | 247 | Q | Q |
| State | 3,808 | 3,786 | 3,786 | 2,438 | 962 | 1,694 | 1,051 | Q | Q |
| Local | 9,599 | 9,558 | 9,558 | 6,630 | 2,441 | 653 | 487 | 1,030 | Q |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 2,161 | 1,495 | 1,489 | 933 | Q | Q | Q | Q | Q |
| Mostly Vacant | 406 | Q | Q | Q | Q | N | N | Q | N |
| Partially Vacant | 12,382 | 12,201 | 12,199 | 8,446 | 4,346 | 1,483 | 681 | 1,199 | 274 |
| Not At All Vacant | 49,834 | 49,289 | 49,262 | 33,845 | 10,718 | 3,834 | 2,138 | 5,653 | 1,101 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 63,307 | 63,307 | 63,307 | 43,461 | 15,142 | 5,443 | 2,853 | 7,067 | 1,380 |
| Natural Gas | 43,468 | 43,468 | 43,461 | 43,468 | 10,383 | 2,444 | 1,765 | 2,470 | 903 |
| Fuel Oil | 15,157 | 15,157 | 15,142 | 10,383 | 15,157 | 1,731 | 986 | 2,139 | 359 |
| District Heat | 5,443 | 5,443 | 5,443 | 2,444 | 1,731 | 5,443 | 2,311 | Q | Q |
| District Chilled Water | 2,853 | 2,853 | 2,853 | 1,765 | 986 | 2,311 | 2,853 | Q | Q |
| Propane | 7,076 | 7,076 | 7,067 | 2,470 | 2,139 | Q | Q | 7,076 | 234 |
| Other | 1,401 | 1,401 | 1,380 | 903 | 359 | Q | Q | 234 | 1,401 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 60,028 | 60,028 | 59,991 | 42,974 | 14,942 | 5,378 | 2,734 | 6,790 | 1,399 |
| Buildings with Cooling | 56,940 | 56,940 | 56,925 | 41,023 | 13,890 | 4,653 | 2,853 | 5,713 | 1,225 |
| Buildings with Water Heating | 56,478 | 56,478 | 56,463 | 41,134 | 14,560 | 4,631 | 2,655 | 6,292 | 1,306 |
| Buildings with Cooking | 22,237 | 22,237 | 22,237 | 18,656 | 8,987 | 1,926 | 1,274 | 2,673 | 599 |
| Buildings with Manufacturing | 3,138 | 3,138 | 3,138 | 2,301 | 1,008 | Q | Q | 1,044 | Q |
| Buildings with Electricity Generation | 12,821 | 12,821 | 12,821 | 10,402 | 9,867 | 2,121 | 1,272 | 1,454 | 467 |

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| | Total Floorspace (million square feet) | | | | | | | | |
|---|--|-----------------------------------|---|-------------|----------|---------------|------------------------|---------|--------------------|
| | All Buildings* | Buildings Using Any Energy Source | Energy Sources Used (more than one may apply) | | | | | | |
| | | | Elec- tricity | Natural Gas | Fuel Oil | District Heat | District Chilled Water | Propane | Other ^a |
| All Buildings* | 64,783 | 63,343 | 63,307 | 43,468 | 15,157 | 5,443 | 2,853 | 7,076 | 1,401 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 22,223 | 22,223 | 22,223 | 18,644 | 8,987 | 1,926 | 1,274 | 2,659 | 599 |
| Activities with Large Amounts of Hot Water | 19,482 | 19,482 | 19,482 | 16,023 | 7,690 | 2,259 | 1,198 | 2,305 | 633 |
| Separate Computer Area | 26,873 | 26,873 | 26,873 | 20,615 | 10,251 | 3,268 | 1,858 | 2,618 | 569 |

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>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet.

^a "Other" includes wood, coal, solar, and all other energy sources.

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.

Note: Due to rounding, data may not sum to totals.

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