

Table B27. Space-heating energy sources, floorspace, 2012

| | Total floorspace (million square feet) | | | | | | | |
|--|--|------------------------------|---|-------------|------------------|---------|-------|-------|
| | All buildings | Buildings with space heating | Space-heating energy sources used (more than one may apply) | | | | | |
| Elec- tricity | | | Natural gas | Fuel oil | District heat | Propane | | |
| All buildings | 87,093 | 80,078 | 49,030 | 49,511 | 4,351 | 5,925 | 3,067 | 1,010 |
| Building floorspace (square feet) | | | | | | | | |
| 1,001 to 5,000 | 8,041 | 6,699 | 4,185 | 3,323 | 412 | Q | 538 | 129 |
| 5,001 to 10,000 | 8,900 | 7,590 | 4,384 | 4,343 | 366 | Q | 682 | 213 |
| 10,001 to 25,000 | 14,105 | 12,744 | 7,716 | 7,989 | 725 | Q | 767 | Q |
| 25,001 to 50,000 | 11,917 | 10,911 | 6,897 | 7,228 | 576 | 213 | 329 | Q |
| 50,001 to 100,000 | 13,918 | 13,114 | 8,668 | 8,524 | 698 | 704 | Q | Q |
| 100,001 to 200,000 | 12,415 | 11,941 | 7,321 | 7,507 | 548 | 1,313 | Q | Q |
| 200,001 to 500,000 | 10,724 | 10,348 | 5,991 | 6,990 | 632 | 1,553 | Q | Q |
| Over 500,000 | 7,074 | 6,730 | 3,869 | 3,608 | 394 | 1,974 | Q | Q |
| Principal building activity | | | | | | | | |
| Education | 12,239 | 12,099 | 6,254 | 7,967 | 1,074 | 1,155 | 307 | Q |
| Food sales | 1,252 | 1,196 | 883 | 667 | Q | N | Q | Q |
| Food service | 1,819 | 1,762 | 1,017 | 1,023 | Q | Q | 124 | Q |
| Health care | 4,155 | 4,109 | 2,083 | 2,616 | 502 | 671 | Q | Q |
| Inpatient | 2,374 | 2,354 | 1,008 | 1,627 | 430 | 563 | Q | Q |
| Outpatient | 1,781 | 1,754 | 1,076 | 989 | Q | Q | Q | Q |
| Lodging | 5,826 | 5,696 | 3,878 | 3,153 | Q | 621 | Q | Q |
| Mercantile | 11,330 | 10,794 | 8,132 | 7,435 | 306 | Q | 386 | Q |
| Retail (other than mall) | 5,439 | 5,088 | 3,041 | 3,050 | 256 | Q | 306 | Q |
| Enclosed and strip malls | 5,890 | 5,706 | 5,091 | 4,385 | Q | Q | Q | Q |
| Office | 15,952 | 15,753 | 10,281 | 8,555 | 560 | 1,794 | 209 | Q |
| Public assembly | 5,559 | 5,323 | 2,645 | 3,337 | Q | 888 | 306 | Q |
| Public order and safety | 1,440 | 1,391 | 643 | 851 | Q | Q | Q | Q |
| Religious worship | 4,557 | 4,511 | 2,656 | 2,671 | Q | N | 366 | Q |
| Service | 4,630 | 4,157 | 2,193 | 2,758 | 393 | Q | 432 | 370 |
| Warehouse and storage | 13,077 | 9,987 | 6,476 | 6,499 | Q | Q | 293 | Q |
| Other | 2,002 | 1,886 | 1,185 | 1,218 | Q | Q | Q | Q |
| Vacant | 3,256 | 1,415 | 702 | 760 | Q | Q | Q | Q |
| Year constructed | | | | | | | | |
| Before 1920 | 3,983 | 3,583 | 1,867 | 1,970 | 622 | 523 | 164 | Q |
| 1920 to 1945 | 6,025 | 5,527 | 2,744 | 3,202 | 551 | 888 | Q | Q |
| 1946 to 1959 | 7,381 | 6,895 | 3,836 | 4,908 | 616 | 446 | 203 | Q |
| 1960 to 1969 | 10,362 | 9,730 | 5,387 | 6,574 | 695 | 1,002 | 388 | Q |
| 1970 to 1979 | 10,846 | 10,045 | 5,931 | 6,549 | 590 | 930 | 425 | Q |
| 1980 to 1989 | 15,230 | 13,723 | 9,378 | 7,995 | 421 | 446 | 330 | Q |
| 1990 to 1999 | 13,803 | 12,389 | 7,947 | 7,613 | 370 | 642 | 539 | Q |
| 2000 to 2003 | 7,215 | 6,707 | 4,181 | 3,758 | 203 | Q | 347 | Q |
| 2004 to 2007 | 6,524 | 5,972 | 4,077 | 3,454 | Q | Q | 306 | Q |
| 2008 to 2012 | 5,723 | 5,505 | 3,683 | 3,488 | Q | Q | Q | Q |

Table B27. Space-heating energy sources, floorspace, 2012

Total floorspace (million square feet)

| | Space-heating energy sources used (more than one may apply) | | | | | | | |
|---------------------------------------|---|------------------------------|-------------|-------------|----------|---------------|---------|--------------------|
| | All buildings | Buildings with space heating | Electricity | Natural gas | Fuel oil | District heat | Propane | Other ¹ |
| All buildings | 87,093 | 80,078 | 49,030 | 49,511 | 4,351 | 5,925 | 3,067 | 1,010 |
| Census region and division | | | | | | | | |
| Northeast | 15,534 | 15,053 | 7,276 | 9,352 | 2,851 | 1,981 | 653 | 206 |
| New England | 4,302 | 4,090 | 1,848 | 1,990 | 1,270 | Q | 314 | Q |
| Middle Atlantic | 11,232 | 10,963 | 5,428 | 7,362 | 1,581 | 1,628 | 339 | Q |
| Midwest | 18,919 | 18,055 | 8,638 | 14,031 | 667 | 906 | 1,003 | 301 |
| East North Central | 12,742 | 12,240 | 5,687 | 10,122 | 292 | 574 | 280 | Q |
| West North Central | 6,178 | 5,815 | 2,951 | 3,909 | 375 | 332 | 723 | Q |
| South | 34,279 | 30,499 | 22,558 | 15,438 | 765 | 2,171 | 927 | Q |
| South Atlantic | 17,981 | 15,883 | 12,514 | 7,309 | 458 | 1,148 | 498 | Q |
| East South Central | 4,904 | 4,692 | 3,170 | 2,662 | Q | Q | 218 | Q |
| West South Central | 11,394 | 9,923 | 6,874 | 5,467 | Q | 637 | Q | Q |
| West | 18,360 | 16,471 | 10,559 | 10,690 | Q | 867 | 484 | Q |
| Mountain | 4,981 | 4,704 | 2,791 | 3,180 | Q | 482 | 141 | Q |
| Pacific | 13,379 | 11,767 | 7,768 | 7,509 | Q | 385 | 343 | Q |
| Climate region² | | | | | | | | |
| Very cold/Cold | 31,898 | 30,469 | 15,252 | 22,436 | 2,375 | 1,926 | 1,520 | 677 |
| Mixed-humid | 27,873 | 26,716 | 17,288 | 15,774 | 1,721 | 3,002 | 1,056 | Q |
| Mixed-dry/Hot-dry | 12,037 | 10,484 | 6,815 | 6,268 | Q | Q | 389 | Q |
| Hot-humid | 12,831 | 10,090 | 8,300 | 3,316 | Q | 362 | Q | N |
| Marine | 2,454 | 2,319 | 1,374 | 1,717 | Q | Q | Q | Q |
| Number of workers (main shift) | | | | | | | | |
| Fewer than 5 | 17,751 | 12,931 | 6,806 | 7,144 | 998 | Q | 1,222 | 284 |
| 5 to 9 | 8,973 | 8,492 | 5,390 | 4,655 | 348 | Q | 465 | Q |
| 10 to 19 | 9,623 | 8,970 | 5,488 | 5,914 | 311 | Q | 390 | Q |
| 20 to 49 | 14,514 | 14,126 | 9,380 | 9,275 | 555 | 623 | 388 | Q |
| 50 to 99 | 13,476 | 13,184 | 8,881 | 8,947 | 786 | 669 | Q | Q |
| 100 to 249 | 10,941 | 10,805 | 6,410 | 7,504 | 710 | 1,096 | Q | Q |
| 250 or more | 11,815 | 11,570 | 6,676 | 6,072 | 644 | 3,053 | Q | Q |
| Weekly operating hours | | | | | | | | |
| Fewer than 40 | 8,220 | 5,763 | 2,920 | 3,370 | 339 | Q | 523 | Q |
| 40 to 48 | 15,828 | 14,867 | 9,120 | 8,966 | 1,006 | 403 | 502 | Q |
| 49 to 60 | 20,529 | 19,365 | 11,893 | 12,179 | 944 | 1,099 | 769 | 428 |
| 61 to 84 | 15,867 | 15,148 | 10,229 | 9,927 | 814 | 828 | 345 | Q |
| 85 to 167 | 9,395 | 8,711 | 4,995 | 5,964 | Q | 631 | 359 | Q |
| Open continuously | 17,253 | 16,224 | 9,873 | 9,106 | 988 | 2,792 | 569 | Q |

Table B27. Space-heating energy sources, floorspace, 2012

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| | Space-heating energy sources used (more than one may apply) | | | | | | | |
| | All buildings | Buildings with space heating | Electricity | Natural gas | Fuel oil | District heat | Propane | Other ¹ |
| All buildings | 87,093 | 80,078 | 49,030 | 49,511 | 4,351 | 5,925 | 3,067 | 1,010 |
| Ownership and occupancy | | | | | | | | |
| Nongovernment owned | 67,550 | 61,341 | 39,210 | 37,495 | 2,844 | 3,119 | 2,429 | 834 |
| Owner occupied | 30,637 | 28,745 | 16,986 | 16,788 | 1,691 | 1,825 | 1,638 | 523 |
| Leased to tenant(s) | 26,115 | 23,766 | 16,368 | 15,108 | 734 | 730 | 497 | Q |
| Owner occupied and leased | 8,873 | 8,328 | 5,641 | 5,282 | 392 | 557 | 285 | Q |
| Unoccupied | 1,925 | 502 | 214 | 317 | Q | Q | Q | N |
| Government owned | 19,543 | 18,736 | 9,821 | 12,016 | 1,507 | 2,807 | 638 | Q |
| Federal | 1,573 | 1,557 | 798 | 657 | Q | 697 | Q | Q |
| State | 5,539 | 5,411 | 2,730 | 3,069 | Q | 1,526 | Q | Q |
| Local | 12,431 | 11,768 | 6,293 | 8,290 | 1,169 | 584 | 397 | Q |
| Energy sources (more than one may apply) | | | | | | | | |
| Electricity | 84,869 | 80,053 | 49,030 | 49,511 | 4,351 | 5,925 | 3,052 | 985 |
| Natural gas | 58,725 | 58,129 | 32,047 | 49,511 | 1,908 | 2,833 | 487 | 485 |
| Fuel oil | 20,200 | 19,670 | 10,619 | 10,235 | 4,351 | 3,088 | 787 | 261 |
| District heat | 5,964 | 5,962 | 1,895 | 361 | Q | 5,925 | Q | Q |
| District chilled water | 4,608 | 4,561 | 1,510 | 707 | Q | 3,718 | Q | Q |
| Propane | 7,706 | 7,332 | 4,182 | 2,701 | 1,257 | Q | 3,067 | Q |
| Other | 3,826 | 3,826 | 1,944 | 2,377 | 311 | 335 | Q | 1,010 |
| Primary space-heating energy source | | | | | | | | |
| Electricity | 26,205 | 26,205 | 26,205 | 5,856 | 421 | Q | 590 | Q |
| Natural gas | 42,988 | 42,988 | 19,376 | 42,988 | 1,122 | Q | 227 | Q |
| Fuel oil | 2,542 | 2,542 | 663 | Q | 2,542 | Q | Q | Q |
| District heat | 5,797 | 5,797 | 1,765 | 308 | Q | 5,797 | N | Q |
| Propane | 1,948 | 1,948 | 882 | Q | Q | N | 1,948 | Q |
| Other | 598 | 598 | Q | Q | Q | N | Q | 598 |
| Cooling energy sources (more than one may apply) | | | | | | | | |
| Electricity | 76,034 | 73,613 | 47,155 | 47,299 | 3,656 | 3,399 | 2,685 | 812 |
| Natural gas | 732 | 732 | 220 | 714 | Q | Q | N | N |
| District chilled water | 4,608 | 4,561 | 1,510 | 707 | Q | 3,718 | Q | Q |
| Water-heating energy sources (more than one may apply) | | | | | | | | |
| Electricity | 42,755 | 40,801 | 30,763 | 20,740 | 2,094 | 1,841 | 1,630 | 475 |
| Natural gas | 39,523 | 39,083 | 21,539 | 34,731 | 1,169 | 834 | 296 | 278 |
| Fuel oil | 1,911 | 1,805 | 618 | 506 | 1,617 | Q | Q | Q |
| District heat | 4,551 | 4,551 | 1,360 | 217 | Q | 4,515 | N | Q |
| Propane | 1,575 | 1,478 | 1,007 | Q | Q | Q | 1,201 | Q |
| Cooking energy sources (more than one may apply) | | | | | | | | |
| Electricity | 25,151 | 24,576 | 16,437 | 15,271 | 1,532 | 2,207 | 895 | 342 |
| Natural gas | 24,770 | 24,425 | 15,237 | 19,231 | 1,158 | 1,636 | Q | Q |
| Propane | 2,001 | 1,877 | 1,108 | Q | 555 | Q | 773 | Q |

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| | All buildings | Buildings with space heating | Electricity | Natural gas | Fuel oil | District heat | Propane | Other ¹ |
| All buildings | 87,093 | 80,078 | 49,030 | 49,511 | 4,351 | 5,925 | 3,067 | 1,010 |
| Energy end uses (more than one may apply) | | | | | | | | |
| Buildings with space heating | 80,078 | 80,078 | 49,030 | 49,511 | 4,351 | 5,925 | 3,067 | 1,010 |
| Buildings with cooling | 79,294 | 76,834 | 47,914 | 47,836 | 3,660 | 5,864 | 2,685 | 821 |
| Buildings with water heating | 79,015 | 76,584 | 46,987 | 47,816 | 4,139 | 5,783 | 2,889 | 881 |
| Buildings with cooking | 38,546 | 37,771 | 23,802 | 24,658 | 2,443 | 3,116 | 1,449 | 400 |
| Buildings with manufacturing | 5,078 | 4,790 | 3,256 | 3,397 | Q | Q | Q | Q |
| Buildings with electricity generation | 25,642 | 25,155 | 14,799 | 15,867 | 1,644 | 3,710 | 748 | Q |
| Percent of floorspace heated | | | | | | | | |
| Not heated | 7,015 | N | N | N | N | N | N | N |
| 1 to 50 | 10,130 | 10,130 | 6,797 | 4,940 | 751 | Q | 490 | Q |
| 51 to 99 | 14,650 | 14,650 | 9,640 | 9,298 | 606 | 1,126 | 659 | Q |
| 100 | 55,298 | 55,298 | 32,593 | 35,274 | 2,994 | 4,683 | 1,918 | 737 |
| Heating equipment (more than one may apply) | | | | | | | | |
| Heat pumps | 11,846 | 11,846 | 11,482 | 5,928 | 527 | 556 | 385 | Q |
| Furnaces | 8,654 | 8,654 | 5,040 | 6,837 | 183 | Q | 481 | Q |
| Individual space heaters | 20,766 | 20,766 | 16,235 | 13,893 | 1,648 | 1,334 | 1,217 | 590 |
| District heat | 5,925 | 5,925 | 1,869 | 350 | Q | 5,925 | Q | Q |
| Boilers | 22,443 | 22,443 | 10,721 | 18,893 | 2,556 | Q | 565 | Q |
| Packaged heating units | 49,188 | 49,188 | 35,389 | 32,966 | 1,746 | 725 | 1,963 | 411 |
| Other | 1,574 | 1,574 | 1,352 | 1,094 | Q | Q | Q | Q |

¹Other includes wood, coal, solar, and all other energy sources.

²These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

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

N = No cases in reporting sample.

Notes: • Because of rounding, data may not sum to totals. • See *Guide to the 2012 CBECS Detailed Tables* or *CBECS Terminology* for definition of terms used in these tables and/or comparison of differences with prior CBECS tables. Both references can be accessed from <http://www.eia.gov/consumption/commercial/data/2012/>

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-871A of the 2012 Commercial Buildings Energy Consumption Survey.