Table C12. Sum of major fuel consumption totals and gross energy intensities by building activity subcategories, 2018
Sum of major fuel consumption

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | All buildings |  | Sum of major fuel consumption |  |

Table C12. Sum of major fuel consumption totals and gross energy intensities by building activity subcategories, 2018

Sum of major fuel consumption

|  | Sum of major fuel consumption |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All buildings |  |  | Distribution of building-level intensities (thousand Btu/square foot) |  |  |  |  |  |
|  | Number of buildings (thousand) | Total floorspace (million square feet) | Floorspace per building (thousand square feet) | Total (trillion British thermal units [Btu]) | Per building (million Btu) | Per square foot (thousand Btu) | 25th <br> percentile | Median | 75th <br> percentile |
| All buildings | 5,918 | 96,423 | 16.3 | 6,787 | 1,147 | 70.4 | 22.6 | 45.0 | 80.6 |
| Office | 970 | 16,662 | 17.2 | 1,093 | 1,127 | 65.6 | 36.3 | 53.5 | 77.2 |
| Administrative or professional | 553 | 9,294 | 16.8 | 588 | 1,062 | 63.2 | 33.5 | 52.2 | 72.0 |
| Bank or other financial | 47 | 628 | 13.4 | 44 | 944 | 70.6 | 46.3 | 63.0 | 92.1 |
| Government | 129 | 2,526 | 19.6 | 163 | 1,268 | 64.7 | 36.3 | 52.9 | 68.5 |
| Medical (non-diagnostic) | 46 | 356 | 7.7 | 23 | 497 | 64.2 | 34.1 | 54.5 | 85.3 |
| Mixed-use | 119 | 3,359 | 28.3 | 248 | 2,087 | 73.8 | 42.4 | 57.9 | 82.2 |
| Other office | 76 | 500 | 6.5 | 27 | 357 | 54.5 | 40.4 | 51.9 | 77.2 |
| Public assembly | 488 | 7,192 | 14.7 | 583 | 1,194 | 81.1 | 26.8 | 53.2 | 90.0 |
| Library | 25 | 433 | 17.0 | 43 | 1,680 | 98.6 | 63.3 | 75.5 | 97.7 |
| Entertainment or culture | 71 | 1,318 | 18.6 | 109 | 1,540 | 82.6 | 8.5 | 38.5 | 53.9 |
| Recreation | 152 | 2,279 | 15.0 | 204 | 1,341 | 89.5 | 30.4 | 53.2 | 121.8 |
| Social or meeting | 220 | 2,469 | 11.2 | 158 | 717 | 64.0 | 21.2 | 54.7 | 82.1 |
| Other assembly | 20 | 694 | 35.0 | 70 | 3,508 | 100.3 | 61.0 | 64.8 | 112.0 |
| Public order and safety | 81 | 1,538 | 18.9 | 133 | 1,635 | 86.3 | 54.6 | 75.0 | 99.9 |
| Fire or police station | 61 | 586 | 9.5 | 45 | 725 | 76.1 | 47.1 | 75.5 | 99.9 |
| Courthouse or probation office | 9 | 452 | 51.2 | 29 | 3,343 | 65.3 | 33.9 | 58.6 | 69.8 |
| Other public order | 11 | 501 | 45.9 | 59 | 5,380 | 117.3 | 59.0 | 77.6 | 112.5 |
| Religious worship | 439 | 5,471 | 12.5 | 193 | 440 | 35.3 | 17.8 | 32.9 | 48.5 |
| Service | 867 | 6,240 | 7.2 | 318 | 367 | 50.9 | 19.9 | 37.3 | 66.7 |
| Post office or postal center | 35 | 367 | 10.4 | 26 | 754 | 72.1 | 24.8 | 38.6 | 96.1 |
| Vehicle service or repair | 267 | 1,923 | 7.2 | 85 | 320 | 44.4 | 18.0 | 37.5 | 53.5 |
| Vehicle storage or maintenance | 369 | 2,805 | 7.6 | 103 | 280 | 36.8 | 16.1 | 29.4 | 50.4 |
| Other service | 196 | 1,145 | 5.9 | 103 | 525 | 89.6 | 36.7 | 58.7 | 94.5 |
| Warehouse and storage | 1,004 | 17,483 | 17.4 | 528 | 526 | 30.2 | 2.2 | 14.0 | 35.2 |
| Nonrefrigerated | 1,001 | 17,155 | 17.1 | 493 | 493 | 28.8 | 2.2 | 14.0 | 35.2 |
| Warehouse | 548 | 7,050 | 12.9 | 184 | 335 | 26.1 | 5.5 | 18.8 | 40.1 |
| Distribution or shipping center | 167 | 7,998 | 47.8 | 275 | 1,647 | 34.4 | 15.1 | 27.6 | 52.6 |
| Self storage units | 285 | 2,107 | 7.4 | 34 | 120 | 16.2 | 0.0 | 2.1 | 5.5 |
| Refrigerated | 3 | 327 | 94.8 | 35 | 10,144 | 107.0 | 105.8 | 113.5 | 147.7 |
| Other | 113 | 2,435 | 21.5 | 328 | 2,899 | 134.8 | 25.0 | 54.2 | 106.5 |
| Laboratory | 11 | 711 | 65.6 | 131 | Q | 184.5 | 41.9 | 86.4 | 106.6 |
| Other | 102 | 1,724 | 16.8 | 197 | 1,924 | 114.3 | 25.0 | 51.9 | 104.9 |
| Vacant | 208 | 1,612 | 7.8 | 27 | 130 | 16.8 | 0.0 | 1.9 | 20.4 |

Data source: U.S. Energy Information Administration, Forms EIA-871A, C, D, E, and F of the 2018 Commercial Buildings Energy Consumption Survey
Notes: Because of rounding, data may not sum to totals. The Guide to the 2018 CBECS Tables and CBECS Terminology contain definitions of terms used in these tables and comparisons between previous CBECS tables. You can access both references from http://www.eia.gov/consumption/commercial/data/2018/.
Data are sample survey estimates with relative standard errors published in a tab on the Excel worksheet for this table.
Estimates in the energy end uses category represent total consumption in buildings that have the end use but not the consumption specifically for that end use.
Q = Data withheld either because the relative standard error was greater than $50 \%$ or the reporting sample had fewer than 20 buildings.
$\mathrm{N}=$ No buildings in reporting sample.

Relative standard errors (RSEs) for Table C12. Sum of major fuel consumption totals and gross energy intensities by building activity subcategories, 2018

RSEs for sum of major fuel consumption


Relative standard errors (RSEs) for Table C12. Sum of major fuel consumption totals and gross energy intensities by building activity subcategories, 2018

RSEs for sum of major fuel consumption

|  | RSEs for all buildings |  |  |  |  | RSEs not availabe for quartiles |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of buildings | Total floorspace | Floorspace per building | Total | Per building | Per square foot | 25th <br> per- <br> centile | Median | 75th percentile |
| All buildings | 3.9 | 3.1 | 2.6 | 3.0 | 3.5 | 1.8 | - | - | - |
| Office | 7.2 | 5.5 | 6.9 | 5.5 | 7.1 | 1.8 | - | - | - |
| Administrative or professional | 7.8 | 5.8 | 7.7 | 6.3 | 8.5 | 2.4 | - | - | - |
| Bank or other financial | 26.9 | 24.3 | 20.7 | 25.8 | 23.1 | 13.0 | - | - | - |
| Government | 23.4 | 16.5 | 19.5 | 15.0 | 20.3 | 4.6 | - | - | - |
| Medical (non-diagnostic) | 19.9 | 21.1 | 16.3 | 27.2 | 21.6 | 12.7 | - | - | - |
| Mixed-use | 16.0 | 11.9 | 11.6 | 12.5 | 12.6 | 5.7 | - | - | - |
| Other office | 24.5 | 20.7 | 23.7 | 20.5 | 23.6 | 6.3 | - | - | - |
| Public assembly | 9.1 | 5.8 | 6.9 | 7.3 | 8.2 | 4.3 | - | - | - |
| Library | 29.4 | 24.3 | 25.1 | 23.2 | 25.9 | 7.9 | - | - | - |
| Entertainment or culture | 26.8 | 16.3 | 26.4 | 21.1 | 32.8 | 10.4 | - | - | - |
| Recreation | 11.6 | 9.1 | 9.0 | 11.4 | 12.4 | 6.9 | - | - | - |
| Social or meeting | 15.0 | 11.2 | 13.4 | 12.6 | 14.8 | 7.1 | - | - | - |
| Other assembly | 29.7 | 17.8 | 31.1 | 14.7 | 30.8 | 11.5 | - | - | - |
| Public order and safety | 20.2 | 15.9 | 17.4 | 19.5 | 21.4 | 6.7 | - | - | - |
| Fire or police station | 25.2 | 21.7 | 14.5 | 23.0 | 15.0 | 6.6 | - | - | - |
| Courthouse or probation office | 33.5 | 19.7 | 29.3 | 21.8 | 34.5 | 9.4 | - | - | - |
| Other public order | 35.5 | 35.5 | 33.6 | 37.6 | 37.2 | 5.6 | - | - | - |
| Religious worship | 9.5 | 9.3 | 6.4 | 9.7 | 8.5 | 5.4 | - | - | - |
| Service | 7.4 | 8.1 | 6.5 | 9.4 | 9.1 | 7.0 | - | - | - |
| Post office or postal center | 35.0 | 31.4 | 38.1 | 31.1 | 40.2 | 9.0 | - | - | - |
| Vehicle service or repair | 11.5 | 15.7 | 10.5 | 16.0 | 14.4 | 10.9 | - | - | - |
| Vehicle storage or maintenance | 11.7 | 13.0 | 11.6 | 14.9 | 12.4 | 9.4 | - | - | - |
| Other service | 11.6 | 15.1 | 12.5 | 21.3 | 20.7 | 15.5 | - | - | - |
| Warehouse and storage | 7.4 | 7.2 | 7.0 | 8.3 | 9.1 | 4.9 | - | - | - |
| Nonrefrigerated | 7.4 | 7.2 | 7.0 | 8.4 | 9.0 | 4.8 | - | - | - |
| Warehouse | 9.3 | 10.6 | 8.6 | 10.7 | 9.6 | 6.4 | - | - | - |
| Distribution or shipping center | 14.1 | 9.5 | 12.8 | 10.9 | 14.2 | 5.6 | - | - | - |
| Self storage units | 18.1 | 19.4 | 8.6 | 33.4 | 28.0 | 22.9 | - | - | - |
| Refrigerated | 44.7 | 27.7 | 33.1 | 33.9 | 27.5 | 18.5 | - | - | - |
| Other | 17.1 | 15.1 | 15.2 | 15.3 | 19.0 | 10.0 | - | - | - |
| Laboratory | 45.8 | 22.9 | 41.5 | 26.9 | 55.7 | 16.2 | - | - | - |
| Other | 17.9 | 18.2 | 17.7 | 17.4 | 21.1 | 11.6 | - | - | - |
| Vacant | 17.2 | 14.1 | 12.3 | 15.3 | 18.5 | 12.5 | - | - | - |

Data source: U.S. Energy Information Administration, Forms EIA-871A, C, D, E, and F of the 2018 Commercial Buildings Energy Consumption Survey
Note: RSE is a measure of the reliability or precision of a survey statistic. Variability occurs in survey statistics because the different samples that could be drawn would each produce different values for the survey statistics. Estimation of Standard Errors and What is a Relative Standard Error (RSE)? contain more information on how RSEs are estimated and used. Both references can be accessed from https://www.eia.gov/consumption/commercial/survey-background-technical-
information.php.

