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

### Sum of major fuel consumption

Distribution of building-level intensities All buildings (thousand Btu/square foot) **Total Total Floorspace** (trillion Per Per Number of floorspace per building building square foot 25th 75th **British** (million (thousand thermal (million (thousand perper-(thousand) square feet) square feet) units [Btu]) centile Median centile Btu) Btu) 80.6 All buildings 5,918 96,423 16.3 6,787 1,147 70.4 22.6 45.0 **Principal building activity** (expanded) 74.4 Education 437 13,623 31.1 854 1,952 62.7 31.1 48.6 College or university 1,827 30.6 2,625 85.8 32.7 48.6 78.4 60 157 10,619 31.9 48.6 69.5 K - 12264 40.3 632 2,395 59.5 Elementary school 133 3,626 27.3 194 1,459 53.5 29.5 45.2 59.8 Middle/junior high school 69.5 113 67.9 77.5 26 1,832 4,289 61.7 51.3 High school 69 3,510 51.1 231 3,366 65.8 31.6 52.2 75.0 2,605 36 31.9 69.1 Multi-grade school (any K-12) 1,651 46.0 94 56.7 45.4 74.4 Preschool or daycare 81 482 5.9 28 341 57.7 26.8 52.4 72.4 Other classroom education 33 695 21.3 38 1,159 54.4 11.2 34.3 Food sales 163 1,006 6.2 233 1,433 232.0 150.5 215.2 311.2 Convenience store (with or without gas station) 121 371 3.1 83 691 224.7 167.9 231.9 313.9 Grocery store or food market 33 604 18.3 147 4,460 243.3 150.5 242.2 273.2 Other food sales Q Q Q Q Q Q Q Q Q 286 1,385 4.8 365 1,273 263.3 141.0 232.9 381.5 Food service 479.6 Fast food 70 291 243.1 324.9 4.1 95 1,356 326.8 365.8 Restaurant or cafeteria 175 924 5.3 245 1,396 265.0 132.2 225.8 Other food service 41 171 4.1 25 605 145.9 80.6 142.8 188.2 Health care 137 4,018 29.3 581 40.7 98.8 4,237 144.5 61.1 Inpatient 2,259 140.4 208.6 252.9 9 264.8 436 51,180 193.3 129 144 39.2 60.6 89.0 Outpatient 1,760 13.7 1,123 82.0 Office (diagnostic) 64 638 9.9 40 625 63.0 38.1 51.2 67.6 Clinic or other outpatient 64 1,122 17.5 104 1,621 92.8 45.1 69.5 102.8 6,976 598 120.3 Lodging 207 33.7 2,888 85.7 53.3 86.1 98.7 Hotel 66 3,551 54.0 276 4,194 77.7 37.7 72.8 41 47 80.0 57.6 75.3 108.1 Motel or inn 592 14.5 1,159 Dormitory, fraternity, or sorority 35 840 Q 64 1,824 76.7 46.8 103.0 123.3 38 1,525 40.6 176 4,696 122.2 185.0 Nursing home or assisted living 115.6 62.6 Other lodging 27 467 17.0 34 1,229 72.2 55.7 75.7 115.0 Mercantile 10,781 953 108.1 517 20.9 1,843 88.4 33.1 62.8 Retail (other than mall) 350 5,193 14.8 333 950 25.8 40.8 63.5 64.1 Retail store 296 4,487 15.2 289 977 64.4 25.0 38.7 63.1 706 44 802 33.0 71.0 Other retail 55 12.9 62.3 56.9 Enclosed and strip malls 167 5,588 33.5 620 3,723 111.0 78.0 113.5 140.1 140.1 Strip shopping center 166 4,904 29.6 585 3,532 119.3 78.0 113.5 **Enclosed mall** 1 684 727.8 35 37,391 51.4 26.8 47.9 68.6

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

#### Sum of major fuel consumption

All buildings

Distribution of building-level intensities (thousand Btu/square foot)

	Number of buildings (thousand)	(million	per building	Total (trillion British thermal units [Btu])	Per building (million Btu)	Per square foot (thousand Btu)	25th per- centile	Median	75th per- centile
All buildings	5,918	96,423	16.3	6,787	1,147	70.4	22.6	45.0	80.6
Office	970	16,662		1,093	1,127	65.6	36.3	53.5	77.2
Administrative or professional	553	9,294		588	1,062	63.2	33.5	52.2	72.0
Bank or other financial	47	628		44	944	70.6	46.3	63.0	92.1
Government	129	2,526		163	1,268	64.7	36.3	52.9	68.5
Medical (non-diagnostic)	46	356		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		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.

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

Number   Number   Notat   Policy   Privilding   Notat   Number   Number		RSEs for all bu			F	SEs not availabe for quartiles				
Principal building activity (expanded)				•	Total	_	square	per-	Median	75th per- centile
Education   7.8   5.3   6.8   6.1   8.0   2.7   -   -   -	All buildings	3.9	3.1	2.6	3.0	3.5	1.8	_	_	_
Education 7.8 5.3 6.8 6.1 8.0 2.7 — — — — — — — — — — — — — — — — — — —										
K-12         8.9         5.9         7.5         6.0         8.3         2.5         —	Education	7.8	5.3	6.8	6.1	8.0	2.7	_	_	_
Elementary school   12.8   10.1   11.2   9.5   12.0   4.1   -   -   -	College or university	19.3	14.1	18.9	18.4	23.9	7.1		<del>-</del>	
Middle/junior high school         25.0         10.7         25.0         12.0         24.8         4.4         -		8.9	5.9	7.5	6.0	8.3	2.5	_	<del>_</del>	
Middle/junior high school         25.0         10.7         25.0         12.0         24.8         4.4         -	Elementary school	12.8	10.1	11.2	9.5	12.0	4.1			
High school         18.9         7.7         14.9         7.9         16.3         4.3         -         -         -           Multi-grade school (any K-12)         27.4         14.2         22.0         15.8         21.9         5.3         -         -         -           Preschool or daycare         27.3         32.8         19.8         36.1         21.4         13.8         -         -         -         -           Chycer (strong)         21.1         17.7         16.7         20.2         21.7         10.9         - </td <td></td> <td>25.0</td> <td>10.7</td> <td>25.0</td> <td>12.0</td> <td></td> <td>4.4</td> <td></td> <td></td> <td></td>		25.0	10.7	25.0	12.0		4.4			
Multi-grade school (any K-12)         27.4         14.2         22.0         15.8         21.9         5.3         —         —         —           Preschool or daycare         27.3         32.8         19.8         36.1         21.4         13.8         —         —         —           Other classroom education         21.1         17.7         16.7         20.2         21.7         10.9         — <td< td=""><td></td><td></td><td></td><td>14.9</td><td></td><td></td><td>4.3</td><td><del>-</del></td><td><del>-</del></td><td></td></td<>				14.9			4.3	<del>-</del>	<del>-</del>	
Preschool or daycare         27.3         32.8         19.8         36.1         21.4         13.8         —		27.4	14.2					_	_	
Other classroom education         21.1         17.7         16.7         20.2         21.7         10.9         - <td></td> <td></td> <td></td> <td>19.8</td> <td>36.1</td> <td></td> <td></td> <td>_</td> <td><del>-</del></td> <td></td>				19.8	36.1			_	<del>-</del>	
Food sales 14.3 17.0 12.9 21.4 17.8 10.5 — — — — — — — — — — — — — — — — — — —		21.1		16.7	20.2	21.7		_	_	
Convenience store (with or without gas station)  16.0  19.2  10.0  18.6  10.3  7.4  Grocery store or food market  24.6  23.6  19.4  30.7  24.4  15.9	Food sales	14.3	17.0	12.9	21.4	17.8	10.5	_	_	_
gas station)         16.0         19.2         10.0         18.6         10.3         7.4         —	Convenience store (with or without									
Other food sales         41.9         58.7         37.5         53.3         25.6         76.1         —	•	16.0	19.2	10.0	18.6	10.3	7.4	_	_	_
Food service 7.7 8.5 5.7 9.1 7.1 4.9 — — — Fast food 14.6 17.6 8.9 16.1 7.6 8.7 — — — — Fast food 14.6 17.6 8.9 16.1 7.6 8.7 — — — — Restaurant or cafeteria 9.9 11.6 7.6 12.3 9.3 6.4 — — — — Other food service 19.2 19.7 12.9 22.2 16.3 11.4 — — — — Health care 9.8 5.5 8.5 5.9 10.1 3.1 — — — — Inpatient 19.4 7.2 18.5 7.3 18.5 2.7 — — — — Othice (diagnostic) 14.5 14.5 13.1 15.6 15.9 6.3 — — — — Office (diagnostic) 14.5 14.5 13.1 15.6 15.9 6.3 — — — — Clinic or other outpatient 12.8 10.0 11.3 10.0 11.6 4.9 — — — — Lodging 9.4 8.3 9.6 10.1 11.1 3.7 — — — — Hotel 15.8 13.3 16.9 17.7 20.6 7.0 — — — — Motel or inn 23.0 23.9 24.4 25.8 26.4 11.3 — — — — Motel or inn 23.0 23.9 24.4 25.8 26.4 11.3 — — — — Other lodging 43.1 29.2 35.4 26.6 35.3 11.0 — — — Mercantile 7.3 6.0 6.6 6.8 8.3 3.2 — — — — Retail (other than mall) 10.1 8.6 7.5 8.9 9.7 4.7 — — — Retail store 10.9 9.7 7.9 9.7 10.6 4.9 — — — — Other retail 22.6 19.7 18.6 24.3 22.4 13.9 — — — — Other retail 22.6 19.7 18.6 24.3 22.4 13.9 — — — — Strip shopping center 7.7 8.5 8.9 9.2 9.6 2.7 — — — — — — — Strip shopping center 7.7 8.5 8.9 9.2 9.6 2.7 — — — — — — — — — — — — — — — — — — —	Grocery store or food market	24.6	23.6	19.4	30.7	24.4	15.9	<del>-</del>	_	
Fast food         14.6         17.6         8.9         16.1         7.6         8.7         — <td>Other food sales</td> <td>41.9</td> <td>58.7</td> <td>37.5</td> <td>53.3</td> <td>25.6</td> <td>76.1</td> <td>_</td> <td>_</td> <td>_</td>	Other food sales	41.9	58.7	37.5	53.3	25.6	76.1	_	_	_
Restaurant or cafeteria         9.9         11.6         7.6         12.3         9.3         6.4         —         —         —           Other food service         19.2         19.7         12.9         22.2         16.3         11.4         —         —         —           Health care         9.8         5.5         8.5         5.9         10.1         3.1         —         —         —           Inpatient         19.4         7.2         18.5         7.3         18.5         2.7         —         —         —           Outpatient         10.3         8.0         8.4         8.2         9.2         3.8         —         —         —           Office (diagnostic)         14.5         14.5         13.1         15.6         15.9         6.3         —         —         —           Clinic or other outpatient         12.8         10.0         11.3         10.0         11.6         4.9         —         —         —           Lodging         9.4         8.3         9.6         10.1         11.1         3.7         —         —           Hotel         15.8         13.3         16.9         17.7         20.6         7	Food service	7.7	8.5	5.7	9.1	7.1	4.9	_	_	_
Other food service         19.2         19.7         12.9         22.2         16.3         11.4         —         —           Health care         9.8         5.5         8.5         5.9         10.1         3.1         —         —         —           Inpatient         19.4         7.2         18.5         7.3         18.5         2.7         —         —         —           Outpatient         10.3         8.0         8.4         8.2         9.2         3.8         —         —         —           Office (diagnostic)         14.5         14.5         13.1         15.6         15.9         6.3         —         —         —           Clinic or other outpatient         12.8         10.0         11.3         10.0         11.6         4.9         —         —         —           Lodging         9.4         8.3         9.6         10.1         11.1         3.7         —         —         —           Hotel         15.8         13.3         16.9         17.7         20.6         7.0         —         —         —           Motel or inn         23.0         23.9         24.4         25.8         26.4         11.3	Fast food	14.6	17.6	8.9	16.1	7.6	8.7	_	_	_
Health care         9.8         5.5         8.5         5.9         10.1         3.1         — <td>Restaurant or cafeteria</td> <td>9.9</td> <td>11.6</td> <td>7.6</td> <td>12.3</td> <td>9.3</td> <td>6.4</td> <td>_</td> <td>_</td> <td></td>	Restaurant or cafeteria	9.9	11.6	7.6	12.3	9.3	6.4	_	_	
Inpatient	Other food service	19.2	19.7	12.9	22.2	16.3	11.4	_	_	
Outpatient         10.3         8.0         8.4         8.2         9.2         3.8         —         —         —           Office (diagnostic)         14.5         14.5         13.1         15.6         15.9         6.3         —         —         —           Clinic or other outpatient         12.8         10.0         11.3         10.0         11.6         4.9         —         —         —           Lodging         9.4         8.3         9.6         10.1         11.1         3.7         —         —         —           Hotel         15.8         13.3         16.9         17.7         20.6         7.0         —         —         —           Morel or inn         23.0         23.9         24.4         25.8         26.4         11.3         —         —         —           Dormitory, fraternity, or sorority         44.5         25.5         52.0         25.6         47.4         6.5         —         —         —           Nursing home or assisted living         17.6         14.3         9.4         16.5         10.8         6.1         —         —         —           Other lodging         43.1         29.2         35.4	Health care	9.8	5.5	8.5	5.9	10.1	3.1	_	_	_
Office (diagnostic)         14.5         14.5         13.1         15.6         15.9         6.3         —         —         —           Clinic or other outpatient         12.8         10.0         11.3         10.0         11.6         4.9         —	Inpatient	19.4	7.2	18.5	7.3	18.5	2.7			
Clinic or other outpatient       12.8       10.0       11.3       10.0       11.6       4.9       —       —       —         Lodging       9.4       8.3       9.6       10.1       11.1       3.7       —       —       —         Hotel       15.8       13.3       16.9       17.7       20.6       7.0       —       —       —         Motel or inn       23.0       23.9       24.4       25.8       26.4       11.3       —       —       —         Dormitory, fraternity, or sorority       44.5       25.5       52.0       25.6       47.4       6.5       —       —       —         Nursing home or assisted living       17.6       14.3       9.4       16.5       10.8       6.1       —       —       —         Other lodging       43.1       29.2       35.4       26.6       35.3       11.0       —       —       —         Mercantile       7.3       6.0       6.6       6.8       8.3       3.2       —       —       —         Retail (other than mall)       10.1       8.6       7.5       8.9       9.7       4.7       —       —       —         Other retail	Outpatient	10.3	8.0	8.4	8.2	9.2	3.8	<del>-</del>		
Lodging       9.4       8.3       9.6       10.1       11.1       3.7       —       —       —         Hotel       15.8       13.3       16.9       17.7       20.6       7.0       —       —       —         Motel or inn       23.0       23.9       24.4       25.8       26.4       11.3       —       —       —         Dormitory, fraternity, or sorority       44.5       25.5       52.0       25.6       47.4       6.5       —       —       —         Nursing home or assisted living       17.6       14.3       9.4       16.5       10.8       6.1       —       —       —         Other lodging       43.1       29.2       35.4       26.6       35.3       11.0       —       —       —         Mercantile       7.3       6.0       6.6       6.8       8.3       3.2       —       —       —         Retail (other than mall)       10.1       8.6       7.5       8.9       9.7       4.7       —       —       —         Retail store       10.9       9.7       7.9       9.7       10.6       4.9       —       —       —         Other retail       22.6 <td>Office (diagnostic)</td> <td>14.5</td> <td>14.5</td> <td>13.1</td> <td>15.6</td> <td>15.9</td> <td>6.3</td> <td><del>-</del></td> <td><del>-</del></td> <td></td>	Office (diagnostic)	14.5	14.5	13.1	15.6	15.9	6.3	<del>-</del>	<del>-</del>	
Hotel       15.8       13.3       16.9       17.7       20.6       7.0       — <td>Clinic or other outpatient</td> <td>12.8</td> <td>10.0</td> <td>11.3</td> <td>10.0</td> <td>11.6</td> <td>4.9</td> <td>_</td> <td>_</td> <td></td>	Clinic or other outpatient	12.8	10.0	11.3	10.0	11.6	4.9	_	_	
Motel or inn         23.0         23.9         24.4         25.8         26.4         11.3         — <th< td=""><td>Lodging</td><td>9.4</td><td>8.3</td><td>9.6</td><td>10.1</td><td>11.1</td><td>3.7</td><td>_</td><td>_</td><td>_</td></th<>	Lodging	9.4	8.3	9.6	10.1	11.1	3.7	_	_	_
Dormitory, fraternity, or sorority         44.5         25.5         52.0         25.6         47.4         6.5         —         —         —           Nursing home or assisted living         17.6         14.3         9.4         16.5         10.8         6.1         —         —         —           Other lodging         43.1         29.2         35.4         26.6         35.3         11.0         —         —         —           Mercantile         7.3         6.0         6.6         6.8         8.3         3.2         —         —         —           Retail (other than mall)         10.1         8.6         7.5         8.9         9.7         4.7         —         —         —           Retail store         10.9         9.7         7.9         9.7         10.6         4.9         —         —         —           Other retail         22.6         19.7         18.6         24.3         22.4         13.9         —         —         —           Enclosed and strip malls         7.6         7.6         8.4         8.6         9.2         3.1         —         —         —           Strip shopping center         7.7         8.5 <t< td=""><td>Hotel</td><td>15.8</td><td>13.3</td><td>16.9</td><td>17.7</td><td>20.6</td><td>7.0</td><td><del>-</del></td><td></td><td></td></t<>	Hotel	15.8	13.3	16.9	17.7	20.6	7.0	<del>-</del>		
Nursing home or assisted living         17.6         14.3         9.4         16.5         10.8         6.1         —         —         —           Other lodging         43.1         29.2         35.4         26.6         35.3         11.0         —         —         —           Mercantile         7.3         6.0         6.6         6.8         8.3         3.2         —         —         —           Retail (other than mall)         10.1         8.6         7.5         8.9         9.7         4.7         —         —         —           Retail store         10.9         9.7         7.9         9.7         10.6         4.9         —         —         —           Other retail         22.6         19.7         18.6         24.3         22.4         13.9         —         —         —           Enclosed and strip malls         7.6         7.6         8.4         8.6         9.2         3.1         —         —         —           Strip shopping center         7.7         8.5         8.9         9.2         9.6         2.7         —         —         —	Motel or inn	23.0	23.9	24.4	25.8	26.4	11.3	<del>-</del>		
Other lodging         43.1         29.2         35.4         26.6         35.3         11.0         — <t< td=""><td>Dormitory, fraternity, or sorority</td><td>44.5</td><td>25.5</td><td>52.0</td><td>25.6</td><td>47.4</td><td>6.5</td><td><del>-</del></td><td><del>-</del></td><td></td></t<>	Dormitory, fraternity, or sorority	44.5	25.5	52.0	25.6	47.4	6.5	<del>-</del>	<del>-</del>	
Mercantile         7.3         6.0         6.6         6.8         8.3         3.2         —	Nursing home or assisted living	17.6	14.3	9.4	16.5	10.8	6.1		<del>-</del>	
Retail (other than mall)       10.1       8.6       7.5       8.9       9.7       4.7       —       —       —         Retail store       10.9       9.7       7.9       9.7       10.6       4.9       —       —       —       —         Other retail       22.6       19.7       18.6       24.3       22.4       13.9       —       —       —         Enclosed and strip malls       7.6       7.6       8.4       8.6       9.2       3.1       —       —       —         Strip shopping center       7.7       8.5       8.9       9.2       9.6       2.7       —       —       —	Other lodging	43.1	29.2	35.4	26.6	35.3	11.0		<del>_</del>	
Retail store         10.9         9.7         7.9         9.7         10.6         4.9         —         —         —           Other retail         22.6         19.7         18.6         24.3         22.4         13.9         —         —         —           Enclosed and strip malls         7.6         7.6         8.4         8.6         9.2         3.1         —         —         —           Strip shopping center         7.7         8.5         8.9         9.2         9.6         2.7         —         —         —	Mercantile	7.3	6.0	6.6	6.8	8.3	3.2	_	<del>-</del>	_
Retail store         10.9         9.7         7.9         9.7         10.6         4.9         —         —         —           Other retail         22.6         19.7         18.6         24.3         22.4         13.9         —         —         —           Enclosed and strip malls         7.6         7.6         8.4         8.6         9.2         3.1         —         —         —           Strip shopping center         7.7         8.5         8.9         9.2         9.6         2.7         —         —         —	Retail (other than mall)	10.1	8.6	7.5	8.9	9.7	4.7	_		
Enclosed and strip malls         7.6         7.6         8.4         8.6         9.2         3.1         —         —         —           Strip shopping center         7.7         8.5         8.9         9.2         9.6         2.7         —         —         —	Retail store	10.9	9.7	7.9	9.7	10.6	4.9			
Enclosed and strip malls         7.6         7.6         8.4         8.6         9.2         3.1         —         —         —           Strip shopping center         7.7         8.5         8.9         9.2         9.6         2.7         —         —         —			19.7					_		
Strip shopping center         7.7         8.5         8.9         9.2         9.6         2.7         —         —         —								<del>-</del>	<del>_</del>	
		7.7	8.5	8.9			2.7	<del>-</del>		
	Enclosed mall	19.9	19.5	10.7	22.3	15.1	9.0	_		

## 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 bu				RSEs not availabe for quartiles				
	Number of buildings	Total floorspace	Floorspace per building	Total	Per building	Per square foot	25th per- centile	Median	75th per- centile
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	<del>-</del>	<del>-</del>	<del>-</del>
Government	23.4	16.5	19.5	15.0	20.3	4.6	<del>-</del>	_	<del>-</del>
Medical (non-diagnostic)	19.9	21.1	16.3	27.2	21.6	12.7	<del>-</del>	_	<del>-</del>
Mixed-use	16.0	11.9	11.6	12.5	12.6	5.7	<del>-</del>	_	<del>-</del>
Other office	24.5	20.7	23.7	20.5	23.6	6.3	<del>-</del>	<del>-</del>	<del>-</del>
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	_	_	<del>-</del>
Recreation	11.6	9.1	9.0	11.4	12.4	6.9	_	_	<del>-</del>
Social or meeting	15.0	11.2	13.4	12.6	14.8	7.1	_	_	<del>-</del>
Other assembly	29.7	17.8	31.1	14.7	30.8	11.5	_	_	<del>-</del>
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	<del>-</del>	_	_
Courthouse or probation office	33.5	19.7	29.3	21.8	34.5	9.4	<del>-</del>	_	<del>-</del>
Other public order	35.5	35.5	33.6	37.6	37.2	5.6	<del>-</del>	<del>-</del>	<del>-</del>
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	<del>-</del>	<del>-</del>	<del>-</del>
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	<del>-</del>	<del>-</del>	<del>-</del>
Vehicle storage or maintenance	11.7	13.0	11.6	14.9	12.4	9.4	<del>-</del>	<del>-</del>	<del>-</del>
Other service	11.6	15.1	12.5	21.3	20.7	15.5	<del>_</del>	<del>-</del>	
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	<del>-</del>	<del></del>	
Distribution or shipping center	14.1	9.5	12.8	10.9	14.2	5.6	<del>-</del>	<del>-</del>	<del>-</del>
Self storage units	18.1	19.4	8.6	33.4	28.0	22.9	<del>-</del>	_	<del>-</del>
Refrigerated	44.7	27.7	33.1	33.9	27.5	18.5	<del>-</del>	_	<del>-</del>
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	<del>-</del>	<del>-</del>	
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.