Release date: September 2021 Revised date: December 2022

Table B21. Energy end uses, number of buildings, 2018

Number of buildings (thousand)

Energy used for (more than one may apply)

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	5,918	4,901	4,631	4,595	1,738	322	706	5,503
Building floorspace (square feet)								
1,001 to 5,000	2,833	2,229	2,033	1,984	695	139	189	2,577
5,001 to 10,000	1,359	1,093	1,032	1,053	390	56	156	1,238
10,001 to 25,000	981	869	853	848	307	65	152	948
25,001 to 50,000	386	366	363	363	159	35	80	382
50,001 to 100,000	218	208	211	209	103	17	66	217
100,001 to 200,000	93	90	90	90	55	6	37	92
200,001 to 500,000	40	39	38	39	24	3	20	40
Over 500,000	9	9	9	9	6	1	6	9
Principal building activity								
Education	437	413	413	378	176	3	62	437
Food sales	163	139	157	157	101	Q	17	163
Food service	286	265	274	286	280	Q	Q	286
Health care	137	136	136	136	23	Q	30	137
Inpatient	9	8	9	9	7	Q	9	9
Outpatient	129	127	128	127	16	Q	21	129
Lodging	207	199	205	205	150	Q	53	207
Mercantile	517	486	479	452	149	21	44	513
Retail (other than mall)	350	322	313	285	46	Q	15	346
Enclosed and strip malls	167	164	167	167	103	Q	29	167
Office	970	925	939	902	198	24	139	970
Public assembly	488	444	412	449	197	Q	68	488
Public order and safety	81	77	76	79	55	Q	37	81
Religious worship	439	426	421	409	275	Q	19	439
Service	867	686	512	590	49	100	106	853
Warehouse and storage	1,004	549	473	425	60	113	70	707
Other	113	78	73	78	16	14	34	103
Vacant	208	78	58	48	Q	Q	Q	118
Year constructed								
Before 1920	329	306	253	288	125	Q	27	320
1920 to 1945	379	329	309	291	129	Q	40	362
1946 to 1959	517	462	416	430	157	38	29	478
1960 to 1969	685	598	552	573	211	23	65	663
1970 to 1979	831	661	650	635	209	58	115	784
1980 to 1989	794	668	653	632	225	34	83	752
1990 to 1999	921	724	686	634	240	47	130	824
2000 to 2009	924	729	715	699	284	53	136	839
2010 to 2018	537	425	396	412	158	38	81	481

Table B21. Energy end uses, number of buildings, 2018

Number of buildings (thousand)

Energy used for (more than one may apply	Energy	used for	(more than	one may	apply
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Census region and division Northeast New England Middle Atlantic Midwest East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	All dings 5,918 793 275 518 1,719 1,110 609 2,143 1,034 347 762 1,264 484 780 539 1,727	Space heating 4,901 710 249 461 1,417 921 497 1,755 857 291 607 1,019 391 628	585 187 398 1,209 807 403 1,865 913 295 657 972 379 593	Water heating 4,595 655 225 430 1,284 862 422 1,690 839 271 580 966 354 612	242 101 141 499 337 162 615 305 97 213 382 128 255	Manufacturing 322 34 Q 23 106 70 36 101 44 16 41 81 38 43	generation 706 140 63 77 195 118 77 236 114 36 86 135 55 81	5,503 758 274 484 1,591 1,029 562 1,981 971 303 708 1,174 430 744
Census region and division Northeast New England Middle Atlantic Midwest East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	793 275 518 1,719 1,110 609 2,143 1,034 347 762 1,264 484 780	710 249 461 1,417 921 497 1,755 857 291 607 1,019 391 628	585 187 398 1,209 807 403 1,865 913 295 657 972 379 593	655 225 430 1,284 862 422 1,690 839 271 580 966 354 612	242 101 141 499 337 162 615 305 97 213 382 128 255	34 Q 23 106 70 36 101 44 16 41 81 38 43	140 63 77 195 118 77 236 114 36 86 135 55	758 274 484 1,591 1,029 562 1,981 971 303 708 1,174 430
Northeast New England Middle Atlantic Midwest East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	275 518 1,719 1,110 609 2,143 1,034 347 762 1,264 484 780	249 461 1,417 921 497 1,755 857 291 607 1,019 391 628	187 398 1,209 807 403 1,865 913 295 657 972 379 593	225 430 1,284 862 422 1,690 839 271 580 966 354 612	101 141 499 337 162 615 305 97 213 382 128 255	Q 23 106 70 36 101 44 16 41 81 38 43	63 77 195 118 77 236 114 36 86 135 55 81	274 484 1,591 1,029 562 1,981 971 303 708 1,174 430
New England Middle Atlantic Midwest East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	275 518 1,719 1,110 609 2,143 1,034 347 762 1,264 484 780	249 461 1,417 921 497 1,755 857 291 607 1,019 391 628	187 398 1,209 807 403 1,865 913 295 657 972 379 593	225 430 1,284 862 422 1,690 839 271 580 966 354 612	101 141 499 337 162 615 305 97 213 382 128 255	Q 23 106 70 36 101 44 16 41 81 38 43	63 77 195 118 77 236 114 36 86 135 55 81	274 484 1,591 1,029 562 1,981 971 303 708 1,174 430
Middle Atlantic Midwest East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	518 1,719 1,110 609 2,143 1,034 347 762 1,264 484 780 539 1,727	461 1,417 921 497 1,755 857 291 607 1,019 391 628	398 1,209 807 403 1,865 913 295 657 972 379 593	430 1,284 862 422 1,690 839 271 580 966 354 612	141 499 337 162 615 305 97 213 382 128 255	23 106 70 36 101 44 16 41 81 38 43	77 195 118 77 236 114 36 86 135 55 81	484 1,591 1,029 562 1,981 971 303 708 1,174 430
East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	1,719 1,110 609 2,143 1,034 347 762 1,264 484 780	1,417 921 497 1,755 857 291 607 1,019 391 628	1,209 807 403 1,865 913 295 657 972 379 593	1,284 862 422 1,690 839 271 580 966 354 612	499 337 162 615 305 97 213 382 128 255	106 70 36 101 44 16 41 81 38 43	195 118 77 236 114 36 86 135 55 81	1,591 1,029 562 1,981 971 303 708 1,174 430
East North Central West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	1,110 609 2,143 1,034 347 762 1,264 484 780	921 497 1,755 857 291 607 1,019 391 628	807 403 1,865 913 295 657 972 379 593	862 422 1,690 839 271 580 966 354 612	337 162 615 305 97 213 382 128 255	70 36 101 44 16 41 81 38 43	118 77 236 114 36 86 135 55 81	1,029 562 1,981 971 303 708 1,174 430
West North Central South South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	609 2,143 1,034 347 762 1,264 484 780 539	497 1,755 857 291 607 1,019 391 628	403 1,865 913 295 657 972 379 593	422 1,690 839 271 580 966 354 612	162 615 305 97 213 382 128 255	36 101 44 16 41 81 38 43	77 236 114 36 86 135 55 81	562 1,981 971 303 708 1,174 430
South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	2,143 1,034 347 762 1,264 484 780 539	1,755 857 291 607 1,019 391 628	1,865 913 295 657 972 379 593	1,690 839 271 580 966 354 612	615 305 97 213 382 128 255	101 44 16 41 81 38 43	236 114 36 86 135 55 81	1,981 971 303 708 1,174 430
South Atlantic East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	1,034 347 762 1,264 484 780 539	857 291 607 1,019 391 628	913 295 657 972 379 593	839 271 580 966 354 612	305 97 213 382 128 255	44 16 41 81 38 43	114 36 86 135 55 81	971 303 708 1,174 430
East South Central West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	347 762 1,264 484 780 539	291 607 1,019 391 628	295 657 972 379 593	271 580 966 354 612	97 213 382 128 255	16 41 81 38 43	36 86 135 55 81	303 708 1,174 430
West South Central West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	762 1,264 484 780 539 1,727	607 1,019 391 628 456	657 972 379 593	580 966 354 612	213 382 128 255	41 81 38 43	86 135 55 81	708 1,174 430
West Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	1,264 484 780 539	1,019 391 628 456	972 379 593	966 354 612	382 128 255	81 38 43	135 55 81	1,174 430
Mountain Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	484 780 539 1,727	391 628 456	379 593	354 612	128 255	38	55 81	430
Pacific Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	780 539 L,727	628 456	593	612	255	43	81	
Climate zone ^a Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	539 L,727	456						744
Cold or very cold Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	L,727		321	405	128	24		
Cool Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9	L,727		321	405	12Ω	24		
Mixed mild Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9		1 447			120	31	59	499
Warm Hot or very hot Number of workers (main shift) Fewer than 5 5 to 9		±,¬¬∠	1,211	1,325	545	106	242	1,603
Number of workers (main shift) Fewer than 5 5 to 9	L,216	1,080	998	1,021	369	51	144	1,141
Number of workers (main shift) Fewer than 5 5 to 9	L,606	1,373	1,360	1,250	452	79	169	1,474
Fewer than 5 5 to 9	831	551	740	594	244	54	92	787
5 to 9								
	3,270	2,439	2,114	2,099	727	145	246	2,859
	L,116	1,016	1,029	1,023	355	60	124	1,113
10 to 19	713	654	676	673	289	60	102	713
20 to 49	492	476	486	485	213	36	107	492
50 to 99	201	192	199	190	87	10	65	201
100 to 249	90	89	89	89	48	8	39	90
250 or more	37	36	36	36	19	1	24	37
Weekly operating hours								
	L,370	1,030	882	876	353	52	67	1,186
	 L,483	1,311	1,257	1,183	291	117	188	1,464
	 L,250	1,123	1,051	1,093	334	80	139	1,231
61 to 84	645	548	540	549	238	35	80	618
85 to 167	465	370	385	379	208	26	72	406
Open continuously		519	517	514	312	12	161	600

Table B21. Energy end uses, number of buildings, 2018

Number of buildings (thousand)

Energy	used for	(more than	one may apply)

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	5,918	4,901	4,631	4,595	1,738	322	706	5,503
Ownership and occupancy								
Nongovernment owned	4,982	4,103	3,861	3,850	1,457	300	510	4,588
Owner occupied	3,249	2,747	2,548	2,564	1,043	189	381	3,052
Leased to tenant or tenants	1,581	1,304	1,280	1,252	411	110	129	1,464
Unoccupied	152	52	33	Q	Q	N	Q	72
Government owned	937	798	769	744	281	22	196	916
Federal	70	69	57	60	14	Q	7	70
State	256	206	206	205	76	1	51	246
Local	610	524	506	480	191	19	137	600
Energy sources (more than one may apply)								
Electricity	5,613	4,901	4,631	4,590	1,738	322	704	5,503
Natural gas	2,974	2,933	2,728	2,786	1,168	187	462	2,952
Fuel oil	583	561	455	501	199	52	343	583
District heat	86	85	74	84	19	1	20	86
District chilled water	55	49	55	51	10	Q	14	55
Propane	676	621	526	564	285	48	98	665
Solar	99	84	95	88	52	Q	94	97
Wood, coal, and other	180	178	122	129	34	Q	68	180
Energy end uses								
(more than one may apply)								
Buildings with space heating	4,901	4,901	4,390	4,367	1,653	286	671	4,869
Buildings with cooling	4,631	4,390	4,631	4,190	1,671	267	638	4,617
Buildings with water heating	4,595	4,367	4,190	4,595	1,727	256	626	4,567
Buildings with cooking	1,738	1,653	1,671	1,727	1,738	89	307	1,735
Buildings with manufacturing	322	286	267	256	89	322	37	322
Buildings with electricity								
generation	706	671	638	626	307	37	706	701
Buildings with lighting	5,503	4,869	4,617	4,567	1,735	322	701	5,503
Food preparation or serving areas in non-food service buildings								
(more than one may apply)								
Snack bar, concession stand, or coffee								
shop	144	134	139	144	144	7	41	144
Fast food or small restaurant	160	156	157	160	160	Q	40	160
Cafeteria or large restaurant	129	126	123	129	127	2	43	129
Commercial kitchen or								
food preparation area	284	276	274	284	283	13	85	284
Small kitchen area	1,018	975	984	1,007	1,014	49	168	1,015

Table B21. Energy end uses, number of buildings, 2018

Number of buildings (thousand)

Energy used for (more than one may apply)

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	5,918	4,901	4,631	4,595	1,738	322	706	5,503
Separate computer areas (more than one may apply)								
Server closet	1,237	1,195	1,213	1,203	435	77	263	1,237
Data center or server farm	116	112	116	106	44	Q	55	116
Computer-based training room	228	214	227	216	111	8	69	228
Student or public computer center	236	230	225	230	117	3	59	236

Source: U.S. Energy Information Administration, Form EIA-871A 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.

^aClimate zones are based on ASHRAE Standard 169-2021; see https://www.eia.gov/consumption/commercial/maps.php#defined.

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.

Release date: September 2021 Revised date: December 2022

Relative standard errors (RSEs) for Table B21. Energy end uses, number of buildings, 2018

RSEs for number of buildings

Energy used for (more than one may apply)

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	3.9	4.1	3.9	3.9	5.0	11.3	7.4	3.9
Building floorspace (square feet)								
1,001 to 5,000	4.9	5.6	5.6	5.8	8.1	21.5	13.5	5.2
5,001 to 10,000	5.9	6.6	5.9	6.3	8.7	26.0	22.0	5.8
10,001 to 25,000	5.6	5.8	5.6	5.5	8.2	18.9	12.4	5.6
25,001 to 50,000	5.6	5.7	5.8	5.7	8.1	22.9	12.5	5.5
50,001 to 100,000	5.3	5.3	5.1	5.3	6.5	15.4	7.0	5.3
100,001 to 200,000	5.6	5.6	5.6	5.6	6.8	15.0	7.5	5.6
200,001 to 500,000	5.0	5.1	4.8	5.0	5.0	14.8	6.0	5.0
Over 500,000	7.8	7.9	7.8	7.8	7.7	28.4	9.2	7.8
Principal building activity								
Education	7.8	8.2	8.2	8.1	10.6	29.0	22.8	7.8
Food sales	14.3	15.1	14.5	14.6	17.6	45.1	36.8	14.3
Food service	7.7	7.8	7.9	7.7	7.8	32.2	30.8	7.7
Health care	9.8	9.9	9.8	9.8	18.9	46.3	17.9	9.8
Inpatient	19.4	19.7	19.4	19.4	15.8	56.7	19.4	19.4
Outpatient	10.3	10.3	10.3	10.3	26.3	46.7	23.2	10.3
Lodging	9.4	9.6	9.4	9.3	12.8	38.9	16.6	9.4
Mercantile	7.3	7.4	6.9	7.5	9.9	29.9	16.9	7.3
Retail (other than mall)	10.1	10.5	9.6	11.1	16.4	33.5	27.0	10.0
Enclosed and strip malls	7.6	7.7	7.6	7.6	11.7	53.2	19.6	7.6
Office	7.2	7.1	6.9	6.8	12.7	40.5	13.4	7.2
Public assembly	9.1	9.8	9.5	8.8	10.6	68.0	18.3	9.1
Public order and safety	20.2	20.5	21.1	20.4	24.8	50.4	22.4	20.2
Religious worship	9.5	9.8	9.8	9.5	11.6	49.2	33.1	9.5
Service	7.4	8.7	8.6	7.8	25.0	19.3	23.6	7.3
Warehouse and storage	7.4	7.3	8.6	8.6	22.4	16.7	21.0	6.8
Other	17.1	22.6	22.9	22.2	42.2	43.6	38.7	18.5
Vacant	17.2	24.4	21.0	28.8	55.7	64.2	31.5	21.8
Year constructed								
Before 1920	12.8	13.0	13.7	12.7	15.7	31.4	36.4	13.0
1920 to 1945	10.7	11.8	12.5	11.8	16.0	51.5	24.8	10.8
1946 to 1959	8.1	8.3	8.1	8.8	12.9	36.5	18.5	8.3
1960 to 1969	6.4	6.1	6.4	6.6	11.7	31.9	18.3	6.3
1970 to 1979	7.4	7.5	6.8	7.6	11.7	24.1	24.0	7.2
1980 to 1989	7.0	7.3	7.3	7.1	10.9	29.5	16.1	6.7
1990 to 1999	7.5	7.4	6.9	8.1	12.2	30.6	17.1	6.9
2000 to 2009	8.0	9.2	8.7	8.6	10.5	24.5	13.5	8.5
2010 to 2018	11.0	11.8	12.2	12.4	14.8	34.6	17.9	11.2

Relative standard errors (RSEs) for Table B21. Energy end uses, number of buildings, 2018

RSEs for number of buildings

Energy used for (more than one may apply	Energy	used for	(more than	one may	apply
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	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	3.9	4.1	3.9	3.9	5.0	11.3	7.4	3.9
Census region and division								
Northeast	9.9	9.6	9.3	9.6	10.5	25.9	16.5	9.8
New England	17.8	17.7	14.0	17.4	16.0	38.5	26.0	17.7
Middle Atlantic	12.0	11.6	12.0	11.3	13.6	33.5	20.6	11.8
Midwest	10.9	11.3	11.2	10.6	11.3	18.2	21.3	11.0
East North Central	13.1	12.1	13.5	12.1	14.9	21.0	15.3	12.6
West North Central	21.0	24.3	21.4	22.1	17.1	35.9	48.6	22.6
South	7.7	8.1	7.5	7.6	9.0	20.9	9.8	7.7
South Atlantic	11.0	13.0	11.0	12.0	14.4	28.4	12.8	10.9
East South Central	18.0	18.0	16.8	15.7	14.2	40.5	24.7	15.9
West South Central	14.7	12.8	13.7	12.6	15.5	38.8	19.2	14.7
West	8.1	7.5	7.3	7.7	10.7	27.5	11.9	7.8
Mountain	15.9	14.3	14.2	14.3	15.2	37.7	23.8	15.8
Pacific	9.0	8.5	8.1	9.3	14.3	40.0	11.9	8.5
Climate zone ^a								
Cold or very cold	18.8	20.5	18.2	18.7	18.1	34.8	19.1	20.6
Cool	11.8	11.6	11.9	11.3	11.1	18.3	18.9	11.5
Mixed mild	15.1	15.1	14.9	15.0	17.4	26.4	19.6	15.3
Warm	11.4	11.6	11.4	11.6	12.4	25.7	14.6	11.2
Hot or very hot	18.8	19.5	16.4	17.6	16.5	35.3	20.2	17.2
Number of workers (main shift)								
Fewer than 5	5.5	6.3	6.0	6.0	7.3	21.2	16.5	5.8
5 to 9	6.1	6.0	6.2	6.7	9.4	22.9	16.5	6.1
10 to 19	6.5	6.3	6.3	6.1	8.5	18.7	16.1	6.5
20 to 49	6.3	6.4	6.4	6.4	8.9	19.9	10.9	6.3
50 to 99	6.7	6.7	6.7	6.8	6.9	25.0	10.1	6.7
100 to 249	7.1	7.1	7.2	7.2	7.8	17.6	9.1	7.1
250 or more	7.2	7.3	7.2	7.4	7.3	22.3	8.4	7.2
Weekly operating hours								
Fewer than 40	6.1	7.2	7.7	7.3	11.5	27.9	22.3	6.6
40 to 48	6.2	6.1	5.8	6.1	10.4	18.9	16.8	6.2
49 to 60	5.2	5.2	5.2	5.1	7.7	20.6	12.5	5.4
61 to 84	7.6	7.8	7.5	7.2	10.5	25.4	18.2	7.4
85 to 167	8.6	7.6	7.5	7.5	9.4	31.9	15.4	7.4
Open continuously	8.1	7.3	6.8	7.2	9.1	36.5	13.0	7.4

Relative standard errors (RSEs) for Table B21. Energy end uses, number of buildings, 2018

RSEs for number of buildings

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	3.9	4.1	3.9	3.9	5.0	11.3	7.4	3.9
Ownership and occupancy								
Nongovernment owned	3.8	3.8	3.5	3.7	5.2	11.2	8.3	3.6
Owner occupied	4.3	4.5	4.3	4.2	5.6	11.2	9.4	4.2
Leased to tenant or tenants	5.5	5.2	4.8	5.3	8.0	16.9	11.4	5.1
Unoccupied	20.3	31.9	31.7	33.7	108.4	0.0	58.6	26.8
Government owned	9.5	10.2	9.9	9.3	10.1	43.1	12.3	9.6
Federal	26.0	26.1	27.7	26.6	49.4	87.4	30.9	26.0
State	12.9	13.8	13.9	14.2	16.3	40.1	22.1	13.0
Local	10.1	11.0	10.6	10.0	11.6	48.5	14.2	10.2
Energy sources								
(more than one may apply)								
Electricity	3.9	4.1	3.9	3.9	5.0	11.3	7.3	3.9
Natural gas	4.8	4.9	4.5	4.8	5.2	13.6	7.8	4.8
Fuel oil	9.7	10.1	8.6	8.3	11.4	29.4	12.5	9.7
District heat	14.7	15.1	15.7	14.6	20.1	27.5	16.0	14.7
District chilled water	20.1	21.9	20.1	20.9	24.0	29.8	20.0	20.1
Propane	10.0	10.6	10.2	9.7	12.2	22.4	16.4	10.2
Solar	15.5	16.7	15.9	16.7	21.5	39.3	15.4	15.9
Wood, coal, and other	17.3	17.4	16.4	16.5	29.7	50.8	21.6	17.3
Energy end uses								
(more than one may apply)								
Buildings with space heating	4.1	4.1	4.0	4.1	5.0	11.9	7.6	4.0
Buildings with cooling	3.9	4.0	3.9	3.9	4.8	11.7	6.8	3.8
Buildings with water heating	3.9	4.1	3.9	3.9	5.0	10.6	6.4	3.9
Buildings with cooking	5.0	5.0	4.8	5.0	5.0	17.7	8.9	5.0
Buildings with manufacturing	11.3	11.9	11.7	10.6	17.7	11.3	33.2	11.3
Buildings with electricity								
generation	7.4	7.6	6.8	6.4	8.9	33.2	7.4	7.3
Buildings with lighting	3.9	4.0	3.8	3.9	5.0	11.3	7.3	3.9
Food preparation or serving areas in non-food service buildings (more than one may apply)								
Snack bar, concession stand, or coffee								
shop	11.0	11.1	11.1	11.0	11.0	44.9	14.5	11.0
Fast food or small restaurant	9.4	9.5	9.6	9.4	9.4	57.3	18.8	9.4
Cafeteria or large restaurant	7.7	7.8	7.9	7.8	7.9	29.4	11.5	7.7
Commercial kitchen or								
food preparation area	8.5	8.8	8.7	8.5	8.5	30.9	11.4	8.5
Small kitchen area	6.5	6.8	6.4	6.6	6.5	25.4	12.7	6.5

Relative standard errors (RSEs) for Table B21. Energy end uses, number of buildings, 2018

RSEs for number of buildings

Energy used for (more than one may apply)

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation	Lighting
All buildings	3.9	4.1	3.9	3.9	5.0	11.3	7.4	3.9
Separate computer areas (more than one may apply)								
Server closet	5.3	5.4	5.2	5.2	5.9	18.6	7.3	5.3
Data center or server farm	13.1	13.3	13.1	12.7	16.9	59.9	19.8	13.1
Computer-based training room	8.4	8.1	8.4	7.7	9.5	28.1	13.4	8.4
Student or public computer center	8.0	8.0	8.0	8.0	8.2	30.2	13.0	8.0

Data source: U.S. Energy Information Administration, Form EIA-871A 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.

^aClimate zones are based on ASHRAE Standard 169-2021; see https://www.eia.gov/consumption/commercial/maps.php#defined.

