

Release date: September 2021

Revised date: December 2022

Table B10. Number of floors, number of buildings and floorspace, 2018

	Number of buildings (thousand)						Total floorspace (million square feet)					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Building floorspace (square feet)												
1,001 to 5,000	2,833	2,227	476	117	Q	N	8,025	6,107	1,518	370	Q	N
5,001 to 10,000	1,359	998	297	55	Q	N	10,204	7,414	2,297	432	Q	N
10,001 to 25,000	981	581	300	80	20	N	15,838	9,371	4,794	1,306	368	N
25,001 to 50,000	386	172	122	67	25	N	13,957	6,163	4,357	2,477	960	N
50,001 to 100,000	218	87	57	35	37	Q	15,302	6,052	3,902	2,472	2,723	Q
100,001 to 200,000	93	28	26	10	24	4	13,003	4,027	3,541	1,348	3,404	682
200,001 to 500,000	40	11	7	5	11	6	11,776	3,168	1,884	1,420	3,384	1,920
Over 500,000	9	2	1	1	2	3	8,317	1,274	1,006	691	2,102	3,244
Principal building activity												
Education	437	278	111	26	23	Q	13,623	4,930	4,333	2,000	2,282	Q
Food sales	163	149	Q	Q	Q	N	1,006	832	Q	Q	Q	N
Food service	286	217	47	Q	Q	N	1,385	963	292	Q	Q	N
Health care	137	80	36	13	8	1	4,018	683	598	423	1,711	602
Inpatient	9	Q	Q	Q	3	1	2,259	Q	Q	168	1,307	537
Outpatient	129	78	35	11	4	Q	1,760	570	465	255	404	Q
Lodging	207	62	85	29	28	4	6,976	908	1,399	1,145	2,100	1,424
Mercantile	517	406	79	32	Q	N	10,781	8,287	1,734	705	Q	N
Retail (other than mall)	350	267	53	30	Q	N	5,193	4,027	769	361	Q	N
Enclosed and strip malls	167	139	26	Q	Q	N	5,588	4,261	965	Q	Q	N
Office	970	544	273	105	38	9	16,662	3,334	3,684	2,223	3,877	3,544
Public assembly	488	307	116	47	18	Q	7,192	2,847	1,923	1,125	1,273	Q
Public order and safety	81	58	Q	Q	2	1	1,538	549	Q	Q	280	197
Religious worship	439	213	182	37	Q	N	5,471	1,990	2,296	989	Q	N
Service	867	708	144	Q	Q	N	6,240	4,686	1,308	Q	Q	N
Warehouse and storage	1,004	846	137	19	Q	N	17,483	12,093	4,098	845	Q	N
Other	113	85	16	Q	Q	Q	2,435	726	755	Q	543	Q
Vacant	208	153	38	Q	3	Q	1,612	747	429	Q	208	Q
Year constructed												
Before 1920	329	77	142	88	21	Q	3,600	374	997	1,188	828	Q
1920 to 1945	379	182	102	76	18	2	5,646	1,197	1,189	1,087	1,335	839
1946 to 1959	517	348	117	40	12	Q	6,937	3,348	1,502	1,168	766	154
1960 to 1969	685	484	154	32	15	1	10,360	4,306	2,957	1,108	1,428	561
1970 to 1979	831	610	184	24	12	2	13,061	5,674	3,814	1,217	1,534	821
1980 to 1989	794	590	153	33	14	4	13,465	6,380	2,912	1,110	1,382	1,681
1990 to 1999	921	696	176	30	17	1	15,535	8,074	3,772	1,334	1,824	532
2000 to 2009	924	719	155	26	22	2	17,500	9,188	3,989	1,385	2,203	735
2010 to 2018	537	400	103	20	12	1	10,319	5,036	2,169	920	1,730	464
Census region												
Northeast	793	365	258	117	47	7	15,951	4,478	4,001	2,409	3,313	1,751
Midwest	1,719	1,145	419	121	33	2	25,932	11,650	6,929	3,505	2,649	1,199
South	2,143	1,636	375	90	37	5	34,907	17,683	7,821	3,188	4,427	1,787
West	1,264	959	234	42	25	3	19,633	9,765	4,549	1,414	2,642	1,262

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	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Climate zone^a												
Cold or very cold	539	346	146	38	8	1	7,044	3,109	2,242	1,006	515	173
Cool	1,727	1,076	455	141	51	4	26,768	11,169	6,704	3,641	3,695	1,559
Mixed mild	1,216	748	300	113	47	8	25,096	8,450	6,184	2,845	4,779	2,839
Warm	1,606	1,261	256	62	24	2	25,085	13,741	5,552	2,321	2,629	843
Hot or very hot	831	675	128	16	11	1	12,429	7,108	2,618	703	1,413	586
Elevators and escalators (more than one may apply)												
Any elevators	503	N	228	150	109	16	36,501	N	10,138	7,965	12,398	6,000
1 elevator	366	N	207	112	47	Q	14,215	N	7,803	4,178	2,154	Q
2 to 5 elevators	121	N	21	37	56	7	13,316	N	2,051	2,988	7,059	1,217
6 or more elevators	16	N	1	2	6	8	8,970	N	284	798	3,185	4,703
Any escalators	14	N	Q	3	2	2	3,753	N	464	640	841	1,808
Number of workers (main shift)												
Fewer than 5	3,270	2,491	608	155	15	Q	21,065	13,689	4,932	1,871	552	Q
5 to 9	1,116	769	246	76	25	Q	10,323	5,978	2,589	1,003	697	Q
10 to 19	713	443	200	50	20	Q	11,348	5,520	3,632	1,316	765	Q
20 to 49	492	272	149	46	24	1	16,132	7,826	4,480	1,966	1,600	259
50 to 99	201	99	55	26	20	1	12,961	5,372	3,752	1,665	1,907	265
100 to 249	90	29	24	13	20	3	12,442	4,453	2,788	1,762	2,761	678
250 or more	37	2	4	5	17	9	12,152	737	1,125	933	4,749	4,607
Weekly operating hours												
Fewer than 40	1,370	964	308	79	17	Q	10,766	5,836	3,093	1,058	655	Q
40 to 48	1,483	1,068	298	95	21	1	18,826	10,265	5,095	1,993	1,218	255
49 to 60	1,250	815	316	84	30	4	22,845	10,212	5,847	2,447	2,877	1,461
61 to 84	645	450	142	34	18	2	14,736	6,526	3,582	1,667	2,072	889
85 to 167	465	361	63	28	12	1	10,038	5,082	2,372	1,149	1,295	140
Open continuously	705	447	158	49	43	7	19,213	5,654	3,312	2,202	4,914	3,130
Ownership and occupancy												
Nongovernment owned	4,982	3,428	1,132	292	116	13	74,728	35,603	17,831	7,246	9,082	4,965
Owner occupied	3,249	2,184	745	224	88	7	45,355	19,481	11,293	5,458	6,089	3,035
Leased to tenant or tenants	1,581	1,124	364	60	26	6	28,382	15,632	6,275	1,685	2,875	1,915
Unoccupied	152	120	Q	Q	Q	Q	990	491	Q	Q	Q	Q
Government owned	937	678	154	77	25	2	21,695	7,973	5,468	3,270	3,949	1,035
Federal	70	55	9	Q	1	Q	1,946	605	426	Q	366	442
State	256	184	26	32	13	1	6,888	2,272	1,263	1,233	1,882	238
Local	610	439	119	41	11	1	12,861	5,096	3,779	1,930	1,700	355
Party responsible for operation of energy systems												
Building owner	4,872	3,310	1,089	328	130	14	79,282	32,677	19,729	9,512	11,836	5,529
Business owner or tenant	831	662	142	24	3	Q	12,842	9,114	2,670	451	539	Q
Property management	97	67	22	Q	3	1	1,994	762	397	Q	313	295
Other	118	67	Q	Q	5	0	2,306	1,024	504	Q	343	108
Provider of direct input on energy-related equipment purchases												
Building owner	5,127	3,508	1,146	325	133	15	82,862	35,192	20,593	9,470	11,990	5,617
Business owner or tenant	483	389	77	15	2	Q	7,585	5,654	1,307	275	298	Q
Property management	49	40	Q	Q	1	Q	1,072	425	Q	Q	143	Q
Other	260	169	56	28	6	1	4,904	2,306	1,104	674	600	220

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All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Number of establishments												
1	4,719	3,350	1,008	258	96	7	65,391	31,181	17,005	7,231	7,913	2,062
2 to 5	811	513	197	72	27	2	16,431	7,154	3,918	1,830	2,517	1,013
6 to 10	135	72	35	19	7	2	5,539	2,397	911	567	988	677
11 to 20	63	32	20	2	7	2	3,894	1,440	794	193	763	705
More than 20	19	6	Q	5	3	3	3,999	855	393	515	715	1,521
Currently unoccupied	170	133	Q	Q	Q	Q	1,168	549	Q	Q	Q	Q
Campus or complex activity												
Not part of a campus or complex	3,622	2,461	834	240	76	11	56,609	25,712	14,703	6,413	6,115	3,665
Primary or secondary school	247	190	44	6	Q	N	5,106	2,634	1,496	411	566	N
College or university	103	39	30	13	20	1	3,761	469	591	698	1,793	211
Office complex	141	77	38	13	11	1	3,823	692	742	349	1,176	864
Retail complex	250	206	41	Q	Q	Q	4,573	3,266	1,002	Q	Q	Q
Storage complex	418	365	41	Q	Q	N	5,684	4,261	1,087	Q	Q	N
Religious campus or complex	253	131	91	24	Q	Q	3,209	1,202	1,221	566	Q	Q
Health care complex	60	36	12	5	7	1	2,838	409	280	177	1,409	563
Lodging or resort complex	102	52	34	Q	5	Q	1,575	303	381	Q	297	Q
Transportation complex	36	33	Q	Q	Q	Q	774	227	Q	Q	Q	Q
Government complex	124	101	14	Q	2	Q	1,706	738	297	Q	333	Q
Other	563	416	104	36	5	Q	6,765	3,664	1,371	668	797	Q
Predominant exterior wall material												
Brick, stone, or stucco	2,490	1,519	638	239	88	7	46,134	16,704	12,117	6,911	8,040	2,362
Concrete (block or poured)	935	688	193	34	17	4	19,357	10,083	4,527	1,522	2,101	1,124
Concrete panels	137	85	33	11	5	2	8,331	3,666	2,048	733	1,039	846
Siding or shingles	948	607	253	70	17	Q	5,992	3,182	1,880	670	230	Q
Metal panels	1,250	1,098	140	Q	1	Q	12,198	9,118	2,199	Q	273	Q
Window glass	19	Q	Q	Q	5	2	2,192	Q	Q	Q	862	950
Other	139	103	24	Q	Q	1	2,219	720	361	Q	486	546
Predominant roof material												
Metal surfacing	2,198	1,818	333	38	8	Q	20,936	15,013	4,339	1,024	412	Q
Synthetic or rubber	940	565	222	95	51	7	31,563	11,146	7,731	4,342	5,763	2,581
Built-up	708	477	142	52	31	6	19,308	6,900	4,410	2,001	3,699	2,299
Slate or tile shingles	376	234	93	35	13	Q	3,997	1,647	1,020	613	694	Q
Wooden materials (including shingles)	166	96	49	Q	Q	N	1,568	763	457	Q	Q	N
Asphalt, fiberglass, or other shingles	1,311	773	394	119	24	1	14,058	6,416	4,321	1,858	1,168	296
Concrete	83	43	26	Q	5	1	1,968	396	400	Q	609	365
Other	136	99	25	9	3	1	3,026	1,294	622	292	528	289
Roof tilt												
Flat	1,914	1,265	413	140	82	15	54,253	20,108	12,146	6,418	9,824	5,756
Shallow pitch	2,313	1,765	433	92	23	1	27,609	16,847	6,842	2,031	1,720	169
Steeper pitch	1,691	1,077	440	138	37	Q	14,561	6,621	4,311	2,067	1,487	Q

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All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Cool roof characteristics (more than one may apply)												
White or reflective coating or paint	1,285	914	253	67	45	5	32,799	14,294	7,533	3,209	5,552	2,211
White or reflective tiles or shingles	140	91	38	7	5	Q	2,713	1,140	615	404	382	Q
Aluminum coating	528	433	76	10	8	Q	6,149	3,922	1,331	372	436	Q
Ballasted roof system	114	62	28	13	9	2	6,277	1,535	1,245	823	1,319	1,355
Other cool roof property	35	Q	Q	Q	1	2	1,603	Q	Q	Q	324	683
Renovations since 2000 (more than one may apply)												
Any type of renovation	2,032	1,210	559	181	72	10	45,165	15,810	11,510	5,519	7,908	4,418
Addition or annex	327	196	89	33	8	1	10,854	3,558	3,176	1,619	1,866	635
Reduction in floorspace	35	15	13	Q	1	1	1,784	393	351	Q	355	398
Roof replacement	847	468	260	80	33	5	20,862	6,426	5,490	2,584	3,816	2,546
Interior wall reconfiguration	709	388	211	73	31	7	21,283	5,561	5,003	2,856	4,465	3,398
Window replacement	484	248	142	68	23	2	10,977	2,816	2,665	1,719	2,116	1,662
HVAC equipment upgrade	1,006	563	292	99	45	8	27,575	8,139	6,773	3,460	5,491	3,713
Lighting upgrade	1,012	547	310	100	47	9	29,098	8,490	6,813	3,853	5,976	3,966
Electrical upgrade	565	295	171	69	24	5	15,761	4,146	3,354	2,093	3,492	2,677
Plumbing system upgrade	584	293	193	62	30	6	15,537	3,633	3,622	1,877	3,548	2,857
Insulation upgrade	307	175	91	27	12	3	7,980	2,186	1,886	772	1,364	1,772
Fire, safety, or security upgrade	570	269	189	70	35	7	19,985	4,765	5,070	2,649	4,208	3,293
Structural upgrade	147	81	38	21	6	2	4,203	894	1,058	442	711	1,098
Other	43	22	Q	Q	Q	Q	1,168	827	Q	Q	Q	Q
No renovations	3,530	2,621	671	172	61	5	43,832	23,874	10,361	4,333	3,882	1,382
Buildings constructed 2013 or later	357	275	56	16	9	Q	7,426	3,892	1,429	664	1,241	Q
Energy sources (more than one may apply)												
Electricity	5,613	3,822	1,270	364	142	16	94,844	42,188	23,152	10,480	13,027	5,998
Natural gas	2,974	1,850	761	248	104	11	67,722	27,344	17,201	8,169	10,438	4,570
Fuel oil	583	322	157	54	41	9	21,185	4,910	3,743	2,396	6,080	4,055
District heat	86	22	23	12	25	4	6,745	320	579	770	3,052	2,023
District chilled water	55	22	7	9	16	1	4,288	298	311	622	2,401	657
Propane	676	430	200	35	11	1	10,157	4,557	3,265	850	1,000	Q
Solar	99	66	20	7	Q	Q	3,820	1,361	882	405	827	Q
Wood, coal, and other	180	134	37	Q	Q	Q	2,113	1,168	437	Q	Q	Q
Space-heating energy sources (more than one may apply)												
Electricity	2,563	1,793	560	146	57	8	45,603	20,387	11,063	5,085	5,848	3,221
Natural gas	2,587	1,604	675	221	79	8	58,042	25,147	15,118	7,056	7,598	3,123
Fuel oil	266	127	96	31	11	Q	4,134	1,098	1,049	599	937	452
District heat	83	19	23	12	25	4	6,547	285	579	765	2,917	2,001
Propane	431	264	138	26	Q	Q	3,896	1,914	1,281	348	Q	Q
Other sources ^b	127	103	Q	Q	Q	Q	927	686	Q	Q	Q	Q
Primary space-heating energy source												
Electricity	1,856	1,361	368	88	34	5	27,618	13,083	6,527	2,798	3,395	1,814
Natural gas	2,344	1,458	605	205	69	6	50,060	22,025	13,291	6,232	6,209	2,303
Fuel oil	222	103	88	24	6	Q	2,223	695	869	275	342	Q
District heat	78	Q	22	10	24	4	6,090	Q	543	685	2,795	1,824
Propane	338	216	101	Q	Q	N	2,290	1,373	712	Q	Q	N
Other sources ^b	63	53	Q	Q	Q	N	380	329	Q	Q	Q	N

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All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Cooling energy sources (more than one may apply)												
Electricity	4,584	2,980	1,148	321	120	15	84,526	36,342	22,086	9,417	11,073	5,607
Natural gas	4	Q	Q	Q	Q	Q	400	Q	Q	Q	Q	Q
District chilled water	55	22	7	9	16	1	4,288	298	311	622	2,401	657
Water-heating energy sources (more than one may apply)												
Electricity	2,785	1,903	671	161	43	7	47,125	23,843	11,064	4,916	4,657	2,646
Natural gas	1,885	1,096	530	171	80	7	46,652	17,892	12,477	5,805	7,777	2,702
Fuel oil	72	26	Q	17	5	Q	1,807	305	385	353	436	Q
District heat	38	Q	Q	7	14	3	4,206	Q	Q	435	1,908	1,562
Propane	145	86	43	Q	Q	N	1,947	971	629	Q	Q	N
Cooking energy sources (more than one may apply)												
Electricity	1,216	701	359	104	45	6	30,509	11,386	7,677	3,356	5,052	3,038
Natural gas	727	450	164	69	38	6	27,705	9,335	6,140	3,688	5,431	3,111
Propane	159	94	43	12	9	Q	3,101	1,093	990	317	587	Q
Energy end uses (more than one may apply)												
Buildings with space heating	4,901	3,210	1,194	347	134	16	88,661	37,749	21,981	10,188	12,759	5,984
Buildings with cooling	4,631	3,001	1,155	327	131	16	87,506	36,588	22,356	9,838	12,727	5,998
Buildings with water heating	4,595	2,912	1,192	340	135	16	87,717	36,755	22,126	10,041	12,818	5,976
Buildings with cooking	1,738	1,014	485	156	73	9	43,580	15,087	10,696	5,543	7,753	4,501
Buildings with manufacturing	322	239	67	13	2	Q	6,871	3,679	2,061	526	348	Q
Buildings with electricity generation	706	436	164	48	48	9	29,457	8,457	6,132	3,224	7,351	4,292
Buildings with lighting	5,503	3,728	1,255	364	141	16	94,103	41,656	22,978	10,480	12,991	5,998
Percentage of floorspace heated												
Not heated	1,017	896	92	22	7	Q	7,762	5,828	1,319	329	271	Q
1 to 50%	693	477	173	33	9	0	10,620	6,083	2,905	702	800	130
51 to 99%	905	553	188	116	43	6	20,174	7,565	3,971	2,625	3,545	2,468
100%	3,303	2,179	832	199	83	10	57,867	24,100	15,105	6,860	8,415	3,386
Percentage of floorspace cooled												
Not cooled	1,288	1,104	131	42	Q	Q	8,917	6,988	944	679	Q	Q
1 to 50%	1,111	712	328	46	24	Q	19,722	11,046	5,963	1,162	1,460	Q
51 to 99%	998	552	250	136	52	7	26,277	8,818	5,927	3,627	4,822	3,083
100%	2,522	1,737	576	145	55	8	41,507	16,723	10,466	5,049	6,445	2,824
Percentage lit when open												
0%	Q	Q	Q	N	N	N	Q	Q	Q	N	N	N
1 to 50%	1,280	763	377	105	34	1	14,172	7,100	4,224	1,539	1,091	218
51 to 99%	1,784	1,126	435	151	65	8	38,847	14,961	9,540	4,879	6,300	3,168
100%	2,272	1,709	415	100	40	7	39,877	18,925	8,967	3,917	5,477	2,590
Building never open or electricity not used	513	442	55	Q	Q	Q	2,998	2,197	434	Q	Q	Q

Table B10. Number of floors, number of buildings and floorspace, 2018

	Number of buildings (thousand)						Total floorspace (million square feet)					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Percentage lit during off hours												
0%	2,062	1,551	411	81	20	Q	15,578	10,539	3,673	912	450	Q
1 to 50%	3,246	2,059	809	262	104	13	69,800	28,549	17,923	8,350	10,142	4,836
51 to 100%	240	167	43	16	12	2	7,243	2,471	1,339	797	1,721	915
Building always open with no off hours	64	46	Q	Q	6	1	2,223	629	Q	421	714	243
Electricity not used	305	284	Q	Q	Q	Q	1,579	1,389	Q	Q	Q	Q
Heating equipment (more than one may apply)												
Packaged heating units	2,187	1,558	454	124	47	4	48,064	24,319	11,653	5,275	4,786	2,031
Furnaces	1,621	984	503	124	10	Q	17,272	9,491	5,327	1,748	635	Q
Individual space heaters	1,246	835	308	69	33	2	21,122	9,346	6,042	2,301	2,232	1,200
Boilers	703	280	231	118	65	8	28,831	6,244	7,809	4,922	6,919	2,937
Heat pumps	673	440	153	56	21	4	15,110	6,296	3,419	1,914	1,988	1,494
District heat	83	19	23	12	25	4	6,547	285	579	765	2,917	2,001
Duct reheat	134	83	28	10	11	3	7,418	1,979	1,130	975	1,981	1,353
Other	17	10	Q	Q	Q	Q	821	522	Q	Q	Q	Q
Cooling equipment (more than one may apply)												
Packaged air-conditioning units	2,565	1,780	557	153	69	6	56,290	26,941	14,371	6,292	6,301	2,384
Residential-type central air conditioners	1,309	742	424	116	26	2	18,270	7,566	5,531	2,139	2,258	776
Individual air conditioners	735	402	209	80	41	3	13,619	4,358	3,611	2,063	2,752	836
Central chillers	202	72	55	34	31	10	17,926	2,468	3,860	2,599	4,979	4,020
Heat pumps	492	311	127	32	19	4	11,098	3,648	2,610	1,243	2,101	1,497
District chilled water	55	22	7	9	16	1	4,288	298	311	622	2,401	657
Swamp coolers	85	63	15	Q	3	1	2,070	868	411	Q	375	210
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HVAC features (more than one may apply)												
Economizer cycle	747	415	193	73	57	9	34,087	9,517	7,840	4,304	7,992	4,435
Variable air volume (VAV) system	698	411	164	64	50	9	29,268	6,668	6,507	4,150	7,494	4,449
Dedicated outside air system (DOAS)	249	152	55	18	20	3	9,027	2,166	1,593	1,170	2,569	1,529
Demand controlled ventilation (DCV)	349	213	94	21	17	3	10,474	3,575	2,548	1,259	1,857	1,234
Regular HVAC maintenance	3,554	2,273	889	251	125	16	78,015	31,706	18,790	9,133	12,412	5,973
Building automation system (BAS) controls heating or cooling	933	529	239	82	72	12	40,462	11,827	9,049	5,158	9,237	5,191
Internet-connected or smart thermostat	325	206	92	21	6	Q	5,966	2,545	1,812	604	647	Q
Programmable thermostat	1,545	1,002	434	88	20	Q	20,882	11,483	6,327	1,935	1,008	Q
Main equipment replaced since 2000 (more than one may apply)												
Heating	1,937	1,251	469	170	41	6	32,451	14,144	8,666	4,258	3,666	1,718
Cooling	1,269	668	424	131	40	6	23,013	6,923	6,851	2,954	3,748	2,537
Water-heating equipment												
Centralized system	3,538	2,161	990	269	107	10	59,280	24,094	16,317	6,862	8,500	3,508
Distributed system	782	597	134	38	11	2	14,307	8,279	2,787	1,296	1,167	778
Combination of centralized and distributed systems	274	154	68	33	16	4	14,129	4,382	3,022	1,883	3,151	1,691

Table B10. Number of floors, number of buildings and floorspace, 2018

	Number of buildings (thousand)						Total floorspace (million square feet)					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Generation technologies (more than one may apply)												
Reciprocating engine generators	580	355	137	40	40	9	25,163	6,761	5,023	2,811	6,472	4,096
Solar panels	94	61	19	7	Q	Q	3,750	1,340	860	402	814	Q
Other generation technology	43	22	10	Q	Q	Q	2,055	608	485	Q	607	190
Lighting equipment types (more than one may apply)												
Incandescent	1,100	593	347	115	40	4	21,081	7,327	5,443	3,070	3,382	1,858
Standard fluorescent	4,012	2,661	961	268	110	11	72,912	31,558	17,924	8,186	10,497	4,747
Compact fluorescent	1,130	595	334	125	67	9	33,691	10,378	7,519	4,671	7,238	3,884
High-intensity discharge (HID)	238	155	52	15	14	2	11,356	3,909	2,091	1,317	2,488	1,551
Halogen	552	318	169	47	14	3	15,012	5,949	3,475	1,608	2,383	1,597
LED	2,593	1,565	695	213	107	14	61,849	22,832	14,898	7,835	10,672	5,612
Other	Q	Q	Q	Q	N	Q	Q	Q	Q	Q	N	Q
Refrigeration equipment (more than one may apply)												
Any refrigeration	3,850	2,474	968	273	120	14	77,589	31,681	19,684	8,752	11,847	5,624
Walk-in units	706	486	120	55	38	6	29,384	10,281	5,562	3,698	6,115	3,728
Cases or cabinets	837	562	151	77	40	7	28,517	10,675	5,608	3,355	5,521	3,358
Large cold storage areas	69	46	8	9	5	0	3,592	1,210	686	522	573	601
Commercial ice makers	872	536	202	77	49	8	34,672	11,126	7,845	4,559	7,066	4,076
Residential-type or compact units	3,321	2,094	881	233	102	12	64,735	25,861	16,819	7,360	9,901	4,795
Vending machines	800	469	195	69	57	9	42,071	14,822	9,533	4,914	8,387	4,414
No refrigeration	2,068	1,632	317	96	21	2	18,834	11,895	3,615	1,764	1,184	376
Office equipment (more than one may apply)												
Desktop computers	3,804	2,426	947	294	122	15	82,012	34,252	20,333	9,358	12,330	5,739
With multiple monitors	1,504	801	489	123	78	13	50,844	17,534	12,709	5,531	9,674	5,397
Laptop computers	2,786	1,625	800	234	113	14	69,375	26,350	17,705	8,456	11,269	5,594
Dedicated servers	1,400	802	389	120	75	13	51,595	17,761	12,546	6,161	9,720	5,406
Tablets charged in building	1,556	871	456	145	73	11	48,778	17,272	12,500	5,689	8,764	4,554
Large floor-standing office devices ^c	1,456	809	411	136	89	12	54,088	18,291	13,580	6,605	10,343	5,269
Smaller desktop office devices ^c	3,560	2,259	888	282	118	13	74,467	31,099	17,982	8,652	11,266	5,468
Interactive whiteboards	262	152	53	23	30	3	16,939	4,342	4,188	2,236	3,991	2,182
Televisions or video displays	2,451	1,485	652	197	103	13	63,618	24,192	15,598	7,633	10,678	5,517
Point-of-sale devices or cash registers	1,420	978	290	104	41	7	33,606	13,933	6,977	3,582	5,498	3,616
Food preparation or serving areas in non-food service buildings (more than one may apply)												
Snack bar, concession stand, or coffee shop	144	98	19	13	11	4	10,361	2,133	1,745	1,420	2,539	2,524
Fast food or small restaurant	160	108	18	18	13	3	9,759	3,751	1,117	1,029	1,793	2,068
Cafeteria or large restaurant	129	50	42	18	16	4	14,531	3,006	3,243	1,990	3,655	2,636
Commercial kitchen or food preparation area	284	148	73	36	24	3	17,698	5,763	3,268	2,629	3,832	2,206
Small kitchen area	1,018	530	346	98	39	5	20,519	5,721	5,963	2,837	3,562	2,435

Table B10. Number of floors, number of buildings and floorspace, 2018

	Number of buildings (thousand)						Total floorspace (million square feet)					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	5,918	4,106	1,286	370	142	16	96,423	43,576	23,300	10,516	13,031	6,000
Separate computer areas (more than one may apply)												
Server closet	1,237	708	339	105	73	12	48,722	16,626	11,724	6,037	9,409	4,927
Data center	116	65	16	11	20	5	11,383	2,229	1,704	1,221	3,431	2,797
Computer-based training room	228	127	53	24	21	3	16,556	4,838	3,722	2,174	3,771	2,052
Student or public computer center	236	124	64	26	19	2	12,527	3,428	3,309	1,843	2,876	1,071
Window and interior lighting features (more than one may apply)												
Multipaned windows	3,527	2,236	893	273	112	13	72,694	29,467	18,242	8,710	11,131	5,144
Tinted window glass	1,679	1,115	403	107	45	10	44,363	18,442	10,326	4,911	6,573	4,111
Reflective window glass	497	311	109	47	27	3	17,929	6,616	3,495	1,992	3,810	2,015
External overhangs or awnings	1,513	1,054	339	88	29	3	28,718	13,896	6,971	2,914	3,232	1,706
Skylights or atriums	509	284	165	35	22	3	19,815	6,678	4,827	2,667	3,668	1,976
Light scheduling	910	540	226	82	52	9	33,552	11,527	7,181	4,121	6,423	4,301
Occupancy sensors	1,025	610	246	83	74	12	44,304	14,613	10,217	5,261	9,051	5,163
Multilevel lighting or dimming	332	163	100	41	24	5	14,424	3,671	2,994	2,088	3,056	2,615
Daylight harvesting	138	86	35	4	9	3	7,244	1,900	1,290	517	1,750	1,787
Plug-load control	58	30	17	7	3	1	1,961	388	429	294	591	259
Demand responsive lighting	98	60	31	Q	3	1	2,045	643	321	Q	486	261
Building automation system (BAS) for lighting	317	209	65	20	18	5	16,645	6,112	3,158	1,759	3,124	2,492
Electric vehicle (EV) charging												
Charging stations associated with the building	132	70	32	11	16	3	10,165	2,924	1,752	754	2,627	2,108

Data 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>.

^bOther sources includes wood, coal, solar, and all other energy sources.

^cOffice devices refers to any combination of printers, copiers, scanners, or FAX machines.

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.

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Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Building floorspace (square feet)												
1,001 to 5,000	4.9	5.0	9.7	17.7	41.8	0.0	5.3	5.4	10.1	18.9	37.5	0.0
5,001 to 10,000	5.9	6.9	12.1	24.0	31.0	0.0	5.8	6.8	12.2	23.8	33.2	0.0
10,001 to 25,000	5.6	7.0	9.3	13.9	45.2	0.0	6.1	7.7	10.2	14.2	47.6	0.0
25,001 to 50,000	5.6	8.3	11.5	12.9	16.5	0.0	5.6	8.7	11.4	13.2	15.8	0.0
50,001 to 100,000	5.3	7.6	8.1	14.6	9.7	25.6	5.3	7.7	8.0	14.2	9.6	22.6
100,001 to 200,000	5.6	11.4	10.2	13.5	10.7	17.3	5.5	11.1	10.4	14.0	10.1	17.0
200,001 to 500,000	5.0	10.0	10.9	11.9	9.1	11.9	5.0	10.3	10.9	12.7	8.4	11.4
Over 500,000	7.8	23.3	19.5	25.6	11.5	11.2	8.6	23.1	19.0	24.9	12.4	15.5
Principal building activity												
Education	7.8	11.8	15.4	15.0	24.3	30.8	5.3	9.8	8.8	12.6	14.4	41.4
Food sales	14.3	15.0	47.1	62.6	50.1	0.0	17.0	20.2	38.1	42.3	50.1	0.0
Food service	7.7	9.4	18.8	30.4	44.7	0.0	8.5	10.4	19.9	33.7	45.2	0.0
Health care	9.8	12.6	19.4	22.7	15.7	24.2	5.5	12.2	18.3	16.1	8.6	13.4
Inpatient	19.4	38.7	38.7	51.3	18.0	15.3	7.2	30.2	50.2	27.7	10.2	13.7
Outpatient	10.3	12.9	19.5	24.9	25.7	53.4	8.0	13.4	16.3	21.2	17.5	39.2
Lodging	9.4	23.9	20.1	22.6	16.8	20.2	8.3	21.0	15.6	20.7	11.9	26.9
Mercantile	7.3	8.5	17.2	27.3	47.9	0.0	6.0	6.7	15.2	20.7	53.5	0.0
Retail (other than mall)	10.1	12.4	20.2	28.6	51.6	0.0	8.6	9.5	19.7	29.2	57.7	0.0
Enclosed and strip malls	7.6	9.9	34.0	39.0	49.1	0.0	7.6	9.1	20.0	32.4	49.1	0.0
Office	7.2	9.9	12.2	17.1	12.0	10.7	5.5	9.1	9.8	14.0	9.4	13.1
Public assembly	9.1	10.5	12.3	26.2	34.0	60.8	5.8	10.2	11.1	20.4	16.3	60.8
Public order and safety	20.2	25.9	38.2	53.0	39.2	39.4	15.9	28.0	29.1	45.8	39.2	33.5
Religious worship	9.5	13.6	13.2	22.3	51.0	0.0	9.3	13.0	12.6	21.5	35.5	0.0
Service	7.4	8.0	13.1	33.3	52.6	0.0	8.1	9.3	15.5	37.4	76.0	0.0
Warehouse and storage	7.4	7.7	16.8	30.0	39.9	0.0	7.2	8.4	11.3	25.8	38.6	0.0
Other	17.1	19.7	34.6	42.9	56.0	55.9	15.1	20.6	28.8	33.5	27.1	55.9
Vacant	17.2	22.2	36.0	44.1	45.7	79.2	14.1	22.7	31.3	42.3	26.6	76.4
Year constructed												
Before 1920	12.8	23.5	18.9	21.2	22.6	62.8	10.8	26.5	18.9	19.3	19.7	51.9
1920 to 1945	10.7	13.6	21.2	28.5	23.0	27.7	8.8	14.5	19.0	23.8	15.3	31.7
1946 to 1959	8.1	10.8	14.6	17.0	23.9	52.0	7.6	11.5	12.1	18.0	19.8	33.0
1960 to 1969	6.4	8.0	12.6	28.3	27.3	21.6	5.2	8.5	10.8	18.4	18.6	17.2
1970 to 1979	7.4	9.2	12.3	20.9	19.3	26.2	6.0	9.1	10.2	18.4	13.3	20.2
1980 to 1989	7.0	9.0	11.1	22.3	19.1	16.2	5.9	8.9	8.7	17.6	13.4	22.5
1990 to 1999	7.5	8.4	13.2	26.1	24.5	29.8	6.6	8.7	11.6	17.0	11.8	19.7
2000 to 2009	8.0	9.1	12.4	21.0	38.4	25.6	6.3	8.2	10.6	15.0	12.0	22.4
2010 to 2018	11.0	12.4	19.5	23.1	16.7	29.7	7.6	10.1	13.6	16.9	18.8	34.4
Census region												
Northeast	9.9	11.6	12.3	13.5	18.7	16.5	7.2	9.7	9.6	16.7	10.9	12.2
Midwest	10.9	10.7	13.4	25.6	23.8	19.7	7.4	9.5	10.3	14.3	12.4	25.1
South	7.7	8.7	10.2	20.1	15.3	17.7	6.1	8.8	8.1	15.1	13.0	22.5
West	8.1	8.6	13.3	26.6	16.3	17.9	7.1	8.1	8.8	19.4	13.3	30.1

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Climate zone^a												
Cold or very cold	18.8	18.6	21.9	29.6	24.9	45.3	17.0	15.8	21.6	26.6	23.3	20.9
Cool	11.8	13.7	11.8	18.8	21.2	23.5	8.3	11.1	10.4	13.6	12.0	22.1
Mixed mild	15.1	18.2	15.6	15.0	16.2	15.9	10.5	14.9	12.3	15.9	14.5	19.8
Warm	11.4	12.0	12.6	26.3	21.9	18.3	10.0	11.6	10.9	18.0	19.1	17.4
Hot or very hot	18.8	20.8	18.7	29.3	17.4	33.8	14.1	18.5	14.9	27.9	11.8	21.3
Elevators and escalators (more than one may apply)												
Any elevators	6.5	0.0	8.4	10.7	11.1	9.8	4.5	0.0	5.6	8.1	6.6	11.0
1 elevator	7.7	0.0	9.0	13.5	21.5	74.0	6.0	0.0	6.0	11.5	15.4	74.0
2 to 5 elevators	6.7	0.0	14.0	13.4	8.2	11.6	5.2	0.0	11.0	10.0	7.2	11.7
6 or more elevators	7.8	0.0	30.3	24.1	8.8	11.2	8.4	0.0	33.8	21.0	9.3	12.6
Any escalators	28.9	0.0	55.6	38.3	33.1	21.7	13.7	0.0	18.5	23.4	14.0	25.1
Number of workers (main shift)												
Fewer than 5	5.5	5.5	8.8	15.4	29.5	85.4	5.9	6.1	9.2	17.3	20.4	83.1
5 to 9	6.1	7.4	10.9	21.6	26.2	53.7	6.9	8.9	11.2	20.8	23.5	54.6
10 to 19	6.5	7.9	11.7	16.3	21.7	48.9	7.4	8.2	11.9	16.1	17.4	53.0
20 to 49	6.3	8.3	12.4	14.5	18.9	40.0	4.8	7.7	8.8	12.9	12.5	30.2
50 to 99	6.7	10.2	10.3	17.3	16.9	31.6	5.9	8.0	9.2	15.4	14.7	33.6
100 to 249	7.1	10.0	14.2	12.4	12.5	18.5	5.6	9.8	10.1	10.1	9.7	21.5
250 or more	7.2	26.8	20.9	27.4	9.5	10.5	6.4	20.0	15.9	16.6	7.9	12.7
Weekly operating hours												
Fewer than 40	6.1	6.9	13.0	18.5	28.5	50.0	6.6	8.3	12.6	20.1	17.5	37.5
40 to 48	6.2	7.2	9.3	21.2	29.5	29.5	5.1	7.0	7.9	12.9	17.2	28.1
49 to 60	5.2	7.0	9.4	13.2	12.5	16.4	4.3	7.3	8.1	14.0	10.0	18.8
61 to 84	7.6	9.7	12.6	18.6	20.0	20.7	5.3	7.7	8.5	16.8	16.8	17.3
85 to 167	8.6	9.9	15.9	18.8	21.0	43.4	6.2	8.2	12.4	13.3	15.4	27.3
Open continuously	8.1	12.3	14.1	16.7	14.5	14.4	5.0	9.1	8.7	14.5	8.3	15.1
Ownership and occupancy												
Nongovernment owned	3.8	4.3	6.2	8.8	10.8	12.0	3.3	4.6	5.0	7.6	7.0	11.2
Owner occupied	4.3	5.0	5.9	9.1	12.8	14.8	3.3	4.8	5.4	8.8	7.5	15.4
Leased to tenant or tenants	5.5	6.5	11.0	18.4	15.6	13.1	4.8	6.8	8.8	13.3	12.8	12.6
Unoccupied	20.3	24.1	53.9	47.5	47.1	49.4	19.2	25.2	47.7	61.8	41.2	49.4
Government owned	9.5	9.4	12.9	27.4	18.6	23.0	6.0	8.3	7.4	14.6	12.8	22.2
Federal	26.0	32.4	37.7	55.4	37.1	53.6	16.1	24.5	29.9	58.7	23.8	44.3
State	12.9	13.5	23.6	47.6	32.9	41.1	11.8	15.3	15.4	28.1	24.4	37.4
Local	10.1	11.6	15.2	24.4	17.8	29.4	6.0	9.0	9.6	13.5	12.6	27.1
Party responsible for operation of energy systems												
Building owner	4.4	4.8	6.0	9.8	9.7	10.3	3.2	5.0	4.7	7.8	6.4	11.7
Business owner or tenant	6.5	7.2	14.5	28.3	41.4	48.0	7.2	8.5	11.9	24.7	34.7	50.3
Property management	20.7	26.9	35.7	49.9	30.0	31.7	11.7	20.6	28.9	37.0	22.9	21.2
Other	18.8	23.1	56.1	48.3	39.0	32.5	11.1	16.7	28.3	35.4	22.9	30.1
Provider of direct input on energy- related equipment purchases												
Building owner	4.4	4.8	6.1	9.8	9.6	10.2	3.1	4.7	4.8	7.7	6.4	11.7
Business owner or tenant	8.9	10.6	22.0	33.7	35.3	60.3	8.8	11.0	15.1	26.6	30.5	57.8
Property management	25.5	30.5	45.5	51.8	47.5	34.2	16.2	25.7	33.7	39.9	32.6	33.8
Other	10.5	12.6	37.6	31.0	31.5	44.3	8.1	12.3	18.3	24.7	26.8	35.2

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Number of establishments												
1	4.6	5.0	6.1	13.9	11.1	16.7	3.6	5.1	4.8	10.0	8.3	16.4
2 to 5	6.0	7.6	12.8	16.4	16.2	19.3	5.5	6.8	10.7	12.8	11.3	33.0
6 to 10	11.5	16.1	23.6	24.9	20.0	28.0	7.9	11.6	16.4	19.4	14.2	24.2
11 to 20	18.0	19.5	44.9	44.5	21.7	23.6	8.9	13.7	25.3	33.2	18.4	20.1
More than 20	18.6	25.1	53.9	42.7	18.9	14.4	10.1	18.4	23.4	30.5	15.7	15.4
Currently unoccupied	18.7	22.4	52.5	44.9	43.7	85.4	16.5	23.1	45.0	44.9	36.4	83.1
Campus or complex activity												
Not part of a campus or complex	4.3	5.1	6.1	10.7	11.9	11.5	3.7	5.2	5.2	8.6	9.2	13.8
Primary or secondary school	12.1	14.0	24.9	30.1	70.0	0.0	9.4	14.6	14.3	21.0	24.9	0.0
College or university	21.8	35.9	49.3	25.6	21.2	36.0	15.9	35.4	21.6	26.6	19.4	33.3
Office complex	12.7	18.9	26.0	28.5	33.9	17.9	10.0	20.5	19.7	20.6	18.6	22.7
Retail complex	13.2	14.5	26.4	52.1	60.3	5.5	9.2	11.0	19.5	36.5	55.5	5.5
Storage complex	14.4	15.3	31.9	79.5	55.5	0.0	11.0	13.2	22.2	63.1	47.2	0.0
Religious campus or complex	11.5	17.5	16.9	22.8	52.6	99.6	12.0	17.6	15.4	25.0	31.2	99.6
Health care complex	18.0	26.8	33.6	39.8	30.8	24.4	8.2	21.8	34.2	30.6	11.8	14.0
Lodging or resort complex	15.1	28.5	29.1	40.7	32.7	62.8	13.7	33.1	24.4	44.8	30.6	22.7
Transportation complex	34.3	36.6	49.3	54.3	37.5	96.7	33.2	30.4	53.5	51.6	38.1	96.7
Government complex	18.1	19.8	33.3	50.2	40.9	40.7	17.0	18.2	22.8	53.2	30.4	39.0
Other	9.2	9.5	18.3	31.0	22.8	35.5	7.4	11.5	14.4	20.6	23.0	40.7
Predominant exterior wall material												
Brick, stone, or stucco	5.3	6.8	8.2	14.2	9.5	10.8	3.9	6.1	5.6	9.7	8.3	17.2
Concrete (block or poured)	5.3	6.8	12.6	18.8	13.6	20.5	4.8	6.0	9.9	15.3	12.2	23.2
Concrete panels	12.1	17.6	24.1	30.3	17.6	20.7	8.4	14.8	12.7	19.2	15.1	24.0
Siding or shingles	7.3	8.6	11.1	17.1	39.8	46.4	9.3	11.8	13.3	18.9	34.7	57.5
Metal panels	7.6	8.1	13.8	38.5	34.1	43.4	6.0	7.2	10.8	36.7	35.0	38.7
Window glass	21.3	59.1	30.9	59.1	24.5	13.2	11.4	54.3	29.4	40.4	19.5	14.3
Other	14.7	15.8	31.5	58.3	62.1	48.3	13.7	20.5	26.1	39.9	28.1	32.2
Predominant roof material												
Metal surfacing	6.2	6.5	10.2	23.6	41.4	57.0	5.6	6.6	9.6	21.6	21.9	39.3
Synthetic or rubber	6.0	8.1	10.0	13.5	11.9	13.9	4.1	6.1	6.0	10.5	8.2	10.5
Built-up	7.7	9.3	14.8	23.9	13.1	13.9	4.8	9.0	9.6	13.5	9.9	17.8
Slate or tile shingles	10.1	12.7	15.8	29.9	27.6	51.8	10.1	13.3	15.4	22.6	22.4	52.3
Wooden materials (including shingles)	12.9	17.9	22.4	26.0	79.1	0.0	17.8	23.7	27.8	27.7	66.3	0.0
Asphalt, fiberglass, or other shingles	6.2	7.2	9.7	15.6	21.6	21.5	5.6	7.8	9.2	16.1	15.4	24.3
Concrete	20.6	25.2	43.7	54.8	21.9	26.3	11.9	22.4	38.7	30.4	15.1	23.6
Other	15.6	19.8	29.0	33.9	26.0	21.3	9.8	16.9	18.7	31.0	20.1	29.0
Roof tilt												
Flat	4.9	6.0	7.7	16.5	9.1	10.5	3.3	5.7	4.9	9.2	6.5	11.6
Shallow pitch	5.0	5.1	9.3	15.4	16.3	34.9	4.8	5.5	8.2	15.9	15.3	28.1
Steeper pitch	7.5	8.8	10.3	12.3	21.3	36.9	5.7	8.3	9.3	9.5	12.8	45.2

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Cool roof characteristics (more than one may apply)												
White or reflective coating or paint	5.8	8.0	10.5	15.2	11.2	14.8	4.4	6.7	6.0	10.7	8.5	16.9
White or reflective tiles or shingles	15.4	21.2	23.8	37.7	37.7	57.9	10.4	16.2	20.1	27.0	22.7	45.6
Aluminum coating	8.8	10.2	21.5	44.6	40.5	81.5	9.2	12.2	17.6	32.7	21.0	44.2
Ballasted roof system	14.8	21.2	28.7	41.4	17.7	18.8	9.5	16.9	16.6	21.9	11.7	24.2
Other cool roof property	29.3	37.6	65.7	79.7	33.8	35.0	19.2	32.8	56.6	43.7	31.7	30.2
Renovations since 2000 (more than one may apply)												
Any type of renovation	5.0	6.1	8.3	11.6	10.3	10.7	3.4	6.2	6.1	8.4	7.1	11.0
Addition or annex	9.4	12.0	17.3	20.9	24.8	19.4	6.0	9.9	11.3	14.6	12.1	17.4
Reduction in floorspace	22.2	28.1	47.5	43.0	33.3	36.1	13.2	30.1	28.7	32.0	24.6	33.6
Roof replacement	6.8	10.0	10.2	13.7	17.7	15.5	4.3	9.7	7.2	9.4	8.7	14.4
Interior wall reconfiguration	6.0	8.0	12.8	11.8	13.4	11.5	4.2	8.6	9.5	10.1	8.7	13.3
Window replacement	9.5	11.9	19.3	15.9	14.0	19.8	5.8	10.3	11.7	12.4	11.7	24.6
HVAC equipment upgrade	7.0	9.3	10.5	12.4	12.0	11.0	4.2	8.5	6.9	9.6	7.7	11.8
Lighting upgrade	5.9	7.6	9.5	12.1	10.9	11.1	3.9	7.8	6.2	10.8	8.1	11.4
Electrical upgrade	7.1	9.1	14.1	14.8	15.3	17.2	5.6	10.9	9.5	11.6	10.0	16.1
Plumbing system upgrade	7.8	9.9	14.0	16.9	13.3	12.8	5.2	8.9	9.1	12.7	8.9	15.7
Insulation upgrade	9.2	12.8	18.3	18.2	21.8	27.0	7.8	11.3	13.5	16.8	15.8	24.2
Fire, safety, or security upgrade	6.2	9.2	12.7	14.5	12.6	15.0	4.4	9.2	7.7	11.4	8.1	14.8
Structural upgrade	13.9	21.5	25.0	31.2	30.8	29.8	10.2	17.6	15.2	24.9	15.6	33.1
Other	29.5	44.0	43.2	58.7	43.4	43.4	14.9	18.9	34.9	64.5	32.4	23.8
No renovations	4.3	4.9	6.7	13.8	16.5	14.1	3.9	5.2	5.3	10.8	9.2	19.7
Buildings constructed 2013 or later	11.9	12.7	29.8	29.3	18.4	43.9	8.3	10.4	17.7	20.9	19.2	35.6
Energy sources (more than one may apply)												
Electricity	3.9	4.2	5.8	10.6	9.4	9.8	3.0	4.4	4.4	7.6	6.3	11.0
Natural gas	4.8	5.4	7.2	11.9	10.0	11.7	3.4	4.9	5.4	7.7	6.4	12.9
Fuel oil	9.7	13.5	14.7	16.7	12.4	12.0	5.4	9.3	9.4	10.1	7.6	14.7
District heat	14.7	34.6	32.5	27.7	22.2	12.1	11.4	25.4	20.5	22.6	16.8	16.3
District chilled water	20.1	32.6	34.7	34.6	22.3	20.5	13.7	28.3	25.9	29.6	16.8	14.7
Propane	10.0	11.7	13.6	15.9	21.6	44.9	7.6	9.6	10.7	18.2	21.6	58.4
Solar	15.5	19.2	24.7	47.6	54.1	45.2	11.5	13.7	18.2	30.9	20.8	37.2
Wood, coal, and other	17.3	20.6	29.8	41.0	66.2	47.7	14.0	16.3	23.5	65.1	41.7	59.4
Space-heating energy sources (more than one may apply)												
Electricity	4.7	5.9	7.2	12.8	13.5	12.9	3.7	6.1	5.7	10.0	8.9	14.6
Natural gas	5.2	5.8	7.9	12.2	12.5	13.3	3.6	5.1	5.9	8.2	6.9	15.6
Fuel oil	13.9	18.8	21.7	21.8	34.4	51.0	11.6	20.2	18.9	16.6	20.2	38.1
District heat	15.4	40.5	32.5	28.0	22.5	12.2	11.6	28.3	20.5	22.6	17.4	16.4
Propane	13.5	16.1	17.1	20.1	53.3	70.8	13.1	15.5	17.1	27.5	33.7	104.0
Other sources ^b	21.3	24.8	35.7	48.4	110.2	91.4	19.6	24.0	33.1	43.3	69.0	81.5
Primary space-heating energy source												
Electricity	6.4	7.9	8.4	17.2	14.5	16.6	5.5	8.7	7.9	14.6	11.0	16.0
Natural gas	5.5	6.0	8.8	12.1	13.9	11.9	4.1	5.5	6.7	8.8	7.2	17.5
Fuel oil	16.1	22.3	23.1	26.5	37.3	84.5	15.3	20.0	24.2	22.6	35.9	67.9
District heat	15.8	42.0	33.0	27.6	22.3	12.7	12.6	30.1	21.6	23.2	17.5	18.1
Propane	17.5	20.0	19.9	23.9	95.8	0.0	16.9	18.7	22.8	43.6	88.7	0.0
Other sources ^b	22.4	24.9	48.6	50.4	49.5	0.0	30.3	34.6	55.8	50.4	49.5	0.0

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Cooling energy sources (more than one may apply)												
Electricity	3.9	4.7	5.6	10.8	9.9	10.0	3.0	4.7	4.5	7.5	6.6	11.4
Natural gas	37.3	70.7	54.2	58.5	49.3	53.2	24.2	70.7	50.3	42.5	47.8	50.7
District chilled water	20.1	32.6	34.7	34.6	22.3	20.5	13.7	28.3	25.9	29.6	16.8	14.7
Water-heating energy sources (more than one may apply)												
Electricity	4.0	5.1	7.0	12.1	13.0	13.0	3.6	5.8	5.8	10.4	8.7	13.1
Natural gas	5.5	6.5	8.5	13.5	10.5	12.6	3.7	5.4	6.7	7.3	6.6	16.0
Fuel oil	24.0	29.2	50.8	25.9	46.5	64.3	15.4	23.8	40.7	20.8	26.2	52.0
District heat	17.4	39.6	49.9	34.1	25.1	14.7	12.8	37.9	32.3	27.4	15.8	21.4
Propane	15.8	21.1	28.5	33.0	43.9	0.0	14.7	20.6	25.3	38.0	41.6	0.0
Cooking energy sources (more than one may apply)												
Electricity	5.7	6.8	9.6	13.7	13.5	12.5	3.9	6.4	7.2	10.9	7.0	15.0
Natural gas	5.4	7.1	10.7	13.6	12.7	13.7	3.4	6.0	7.6	9.1	6.8	14.6
Propane	14.8	18.6	23.8	36.6	24.4	94.4	11.7	17.7	21.3	32.0	21.7	66.3
Energy end uses (more than one may apply)												
Buildings with space heating	4.1	4.4	6.1	10.4	9.3	9.8	3.0	4.4	4.7	7.7	6.5	11.1
Buildings with cooling	3.9	4.7	5.6	10.7	9.4	9.8	3.0	4.7	4.4	7.7	6.4	11.0
Buildings with water heating	3.9	4.6	6.1	10.7	9.2	9.8	2.9	4.5	4.3	7.5	6.4	11.1
Buildings with cooking	5.0	6.1	7.7	11.8	9.0	11.3	3.1	5.4	5.8	8.5	5.9	12.4
Buildings with manufacturing	11.3	14.4	19.3	34.8	34.0	43.3	7.9	11.6	13.8	21.9	27.7	44.6
Buildings with electricity generation	7.4	9.8	11.0	18.2	12.2	11.0	4.4	7.0	7.5	9.0	6.9	13.9
Buildings with lighting	3.9	4.3	5.8	10.6	9.4	9.8	3.0	4.4	4.3	7.6	6.3	11.0
Percentage of floorspace heated												
Not heated	8.2	8.5	18.1	34.7	44.4	30.7	10.0	11.3	18.8	29.3	29.8	64.2
1 to 50%	8.5	10.0	14.1	24.6	25.3	37.4	7.1	9.6	10.8	21.2	19.3	27.8
51 to 99%	6.7	8.6	11.6	17.2	17.4	13.7	5.3	8.1	10.1	12.5	12.5	15.1
100%	4.1	4.5	6.5	10.9	10.3	11.1	3.2	4.6	5.1	8.6	6.5	12.4
Percentage of floorspace cooled												
Not cooled	7.1	6.9	17.6	31.4	35.8	51.7	8.0	8.4	16.8	27.4	28.2	51.7
1 to 50%	5.9	8.3	8.3	16.7	20.3	69.8	5.2	7.6	8.5	13.1	17.0	60.8
51 to 99%	6.6	8.3	12.3	16.2	14.3	12.7	5.1	7.5	9.3	10.5	9.6	13.8
100%	4.3	5.1	7.8	11.9	11.6	10.6	3.5	5.1	5.7	9.8	7.5	13.0
Percentage lit when open												
0%	35.1	36.0	109.7	0.0	0.0	0.0	38.5	35.2	102.6	0.0	0.0	0.0
1 to 50%	6.7	8.4	11.0	18.8	24.7	33.9	6.0	9.0	10.6	20.4	19.6	33.0
51 to 99%	4.8	6.1	8.0	15.4	11.3	12.8	3.6	5.6	6.2	9.8	8.6	16.4
100%	4.7	5.3	7.6	11.1	10.1	12.2	3.8	5.7	5.6	9.7	7.9	11.1
Building never open or electricity not used	11.6	12.4	30.5	44.9	50.1	79.2	12.1	13.9	31.3	44.9	33.1	76.4

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Percentage lit during off hours												
0%	6.5	6.8	9.1	30.5	35.1	49.6	6.7	8.2	11.2	25.6	28.0	49.6
1 to 50%	3.8	4.4	6.8	9.3	9.3	10.9	3.0	4.6	4.7	7.3	7.5	13.0
51 to 100%	10.6	15.3	21.1	32.8	18.2	17.0	6.7	12.6	16.2	18.9	12.0	14.3
Building always open with no off hours	15.2	19.6	30.3	51.7	24.3	46.6	11.6	21.2	27.4	34.5	20.6	26.1
Electricity not used	16.0	16.8	57.3	61.7	50.1	51.7	17.6	18.7	52.9	55.9	50.1	51.7
Heating equipment (more than one may apply)												
Packaged heating units	4.0	5.1	8.4	11.1	12.2	15.0	3.6	5.1	5.9	9.0	8.6	22.0
Furnaces	7.2	7.7	9.5	18.6	25.5	38.5	5.7	6.4	8.4	14.6	24.4	43.4
Individual space heaters	5.9	7.3	10.4	17.5	21.8	17.6	4.8	6.6	8.3	13.6	11.6	26.1
Boilers	6.2	9.9	10.0	11.1	12.4	14.6	4.0	8.5	7.6	7.6	6.7	15.6
Heat pumps	7.7	9.5	15.6	15.1	19.2	19.0	5.4	9.2	10.0	11.7	12.3	26.2
District heat	15.4	40.5	32.5	28.0	22.5	12.2	11.6	28.3	20.5	22.6	17.4	16.4
Duct reheat	12.6	17.4	27.5	24.9	16.0	17.1	7.0	14.5	16.3	19.5	11.1	15.7
Other	46.4	43.0	84.3	90.0	41.2	98.5	24.1	28.0	43.7	47.2	42.4	98.5
Cooling equipment (more than one may apply)												
Packaged air-conditioning units	4.3	5.5	7.0	9.5	13.7	13.4	3.4	5.2	5.5	8.3	7.8	12.2
Residential-type central air conditioners	7.6	9.0	9.8	19.6	17.8	19.7	5.2	7.9	8.4	12.9	11.5	17.2
Individual air conditioners	6.6	8.0	10.3	16.8	15.7	25.3	5.3	8.5	9.7	13.4	11.0	16.0
Central chillers	9.0	19.2	13.5	14.5	12.7	12.6	5.0	11.5	9.2	10.8	8.7	12.1
Heat pumps	11.0	14.6	19.5	17.6	22.1	19.7	6.8	11.8	13.1	15.6	12.0	25.4
District chilled water	20.1	32.6	34.7	34.6	22.3	20.5	13.7	28.3	25.9	29.6	16.8	14.7
Swamp coolers	12.8	17.2	34.2	48.6	29.6	30.4	13.1	22.0	19.5	42.2	26.2	26.1
Other	53.2	75.8	107.6	99.6	56.7	90.2	36.4	59.7	84.1	99.6	62.5	90.4
HVAC features (more than one may apply)												
Economizer cycle	5.6	8.4	9.1	12.9	12.6	9.2	3.9	6.2	6.2	8.8	7.4	12.6
Variable air volume (VAV) system	8.4	11.8	12.1	11.9	14.4	9.9	4.9	9.8	6.6	9.4	8.4	12.9
Dedicated outside air system (DOAS)	11.0	15.3	25.2	18.7	22.9	18.6	7.8	12.2	14.7	15.6	13.0	25.4
Demand controlled ventilation (DCV)	8.8	13.0	14.6	23.3	22.5	15.5	5.5	10.6	10.8	14.4	10.5	16.8
Regular HVAC maintenance	4.2	5.3	6.4	11.1	9.7	9.8	3.2	5.0	4.7	8.1	6.5	11.1
Building automation system (BAS) controls heating or cooling	6.4	8.0	10.8	12.0	14.4	9.6	3.7	6.4	6.7	8.1	6.8	11.0
Internet-connected or smart thermostat	12.2	17.2	19.7	29.8	25.5	48.7	10.5	15.7	16.3	23.0	25.7	64.0
Programmable thermostat	4.7	6.3	8.6	13.5	17.1	42.7	5.4	7.3	8.7	13.6	16.2	32.2
Main equipment replaced since 2000 (more than one may apply)												
Heating	4.9	6.1	7.7	12.0	12.9	19.3	3.8	5.8	7.0	10.9	8.9	14.1
Cooling	4.8	6.1	8.9	14.1	13.1	16.8	4.3	5.9	7.4	11.4	8.8	18.1
Water-heating equipment												
Centralized system	4.4	4.9	6.9	12.1	11.9	13.5	3.4	4.7	5.0	8.8	8.1	16.5
Distributed system	8.9	10.1	14.0	24.0	23.1	26.6	6.4	8.5	9.2	19.7	13.5	17.4
Combination of centralized and distributed systems	8.8	14.3	16.1	20.3	12.3	14.8	5.2	9.8	10.6	11.9	9.6	12.5

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Generation technologies (more than one may apply)												
Reciprocating engine generators	8.8	12.2	12.7	18.5	10.0	11.5	4.8	8.0	8.3	9.3	6.9	14.4
Solar panels	15.4	19.7	25.2	47.7	54.6	48.2	11.5	14.0	18.0	31.2	21.1	38.2
Other generation technology	21.4	28.6	45.6	56.3	56.3	50.0	14.4	25.8	28.9	30.1	23.8	32.2
Lighting equipment types (more than one may apply)												
Incandescent	7.8	10.5	10.6	14.3	14.0	12.7	4.5	6.9	7.7	13.3	8.8	18.0
Standard fluorescent	4.2	4.9	6.4	13.0	11.2	10.6	3.4	4.8	4.9	8.8	7.0	11.4
Compact fluorescent	5.2	7.5	9.0	14.7	10.6	9.8	4.2	6.0	6.0	10.8	7.7	13.2
High-intensity discharge (HID)	9.8	12.8	22.2	21.4	12.1	15.0	7.1	10.6	13.2	15.3	10.9	22.7
Halogen	8.0	10.3	10.6	17.6	13.2	16.9	4.2	7.7	7.4	9.4	9.9	20.1
LED	3.6	4.3	7.3	9.7	11.4	9.8	2.9	4.7	4.6	7.8	6.6	11.3
Other	57.3	85.7	99.1	101.0	0.0	70.9	24.1	64.1	81.5	101.0	0.0	70.9
Refrigeration equipment (more than one may apply)												
Any refrigeration	4.1	4.9	6.4	9.9	10.2	10.2	3.0	4.9	4.6	7.6	6.8	11.5
Walk-in units	5.4	7.0	10.0	15.3	10.0	13.1	3.4	6.1	7.8	9.3	6.9	14.7
Cases or cabinets	5.8	7.2	13.1	15.0	12.7	12.6	3.7	6.0	7.5	9.8	7.5	14.3
Large cold storage areas	17.2	23.4	21.9	39.9	44.6	30.2	11.3	15.1	17.8	23.9	26.4	46.8
Commercial ice makers	5.5	7.9	8.5	14.0	10.6	12.6	3.5	6.2	6.2	9.0	7.8	13.6
Residential-type or compact units	4.3	5.1	6.7	10.9	12.3	11.4	3.2	5.2	4.9	8.1	7.3	12.6
Vending machines	6.1	7.8	10.4	12.1	10.3	10.4	3.8	6.1	6.1	8.4	7.9	13.0
No refrigeration	5.3	5.9	10.1	19.6	21.2	35.4	5.3	6.5	11.0	17.3	14.2	13.0
Office equipment (more than one may apply)												
Desktop computers	4.0	4.8	6.3	10.9	8.9	9.8	2.9	4.8	4.4	7.6	6.4	11.4
With multiple monitors	5.0	6.8	8.3	15.3	10.4	10.5	3.5	5.8	5.4	9.0	7.3	11.7
Laptop computers	4.0	4.9	6.3	10.9	11.2	10.2	3.0	5.0	4.6	7.6	6.9	11.3
Dedicated servers	4.9	6.3	8.0	9.8	9.6	10.1	3.3	5.3	5.5	7.6	6.7	11.8
Tablets charged in building	4.4	6.2	7.3	10.6	10.5	9.7	3.3	5.3	5.1	8.0	7.9	12.8
Large floor-standing office devices ^c	4.4	6.0	7.0	8.7	9.8	9.8	3.0	5.5	5.0	7.9	6.7	12.5
Smaller desktop office devices ^c	4.1	4.8	6.4	10.4	10.4	10.6	3.1	4.8	4.6	7.9	6.9	12.1
Interactive whiteboards	8.7	13.1	12.0	12.0	28.6	13.9	4.5	9.0	9.0	9.9	9.4	18.9
Televisions or video displays	3.8	4.9	7.7	10.0	10.3	10.6	3.0	4.7	5.1	8.0	7.0	11.8
Point-of-sale devices or cash registers	5.2	6.4	8.5	15.9	10.9	13.2	3.4	5.4	6.5	10.4	6.5	14.9
Food preparation or serving areas in non-food service buildings (more than one may apply)												
Snack bar, concession stand, or coffee shop	11.0	15.1	15.4	20.1	12.4	16.2	6.7	11.4	12.7	13.7	9.6	19.3
Fast food or small restaurant	9.4	13.0	22.0	25.7	24.7	13.0	5.9	8.4	14.9	17.1	11.7	18.0
Cafeteria or large restaurant	7.7	15.1	18.7	17.0	11.5	15.5	4.6	10.3	9.2	11.9	7.9	17.7
Commercial kitchen or food preparation area	8.5	11.9	16.8	17.0	17.0	16.3	4.4	8.3	11.1	11.1	7.9	20.3
Small kitchen area	6.5	8.5	9.9	13.5	17.3	14.7	4.7	8.2	7.3	10.5	7.9	18.4

Relative Standard Errors (RSEs) for Table B10. Number of floors, number of buildings and floorspace, 2018

	RSEs for number of buildings						RSEs for total floorspace					
	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors	All buildings	One floor	Two floors	Three floors	Four to nine floors	Ten or more floors
All buildings	3.9	4.3	5.8	10.5	9.4	9.8	3.1	4.5	4.4	7.6	6.3	11.0
Separate computer areas (more than one may apply)												
Server closet	5.3	6.5	9.7	9.6	7.7	10.8	3.4	5.6	6.1	7.0	6.4	11.8
Data center	13.1	23.2	16.5	20.2	20.1	20.5	6.7	15.6	10.9	13.7	8.9	19.0
Computer-based training room	8.4	12.8	12.6	12.7	12.3	16.0	4.6	7.8	7.6	10.1	8.1	19.5
Student or public computer center	8.0	11.8	20.1	12.8	12.8	27.1	4.6	8.7	8.1	11.2	10.0	29.1
Window and interior lighting features (more than one may apply)												
Multipaned windows	4.2	5.0	6.6	11.2	10.4	9.6	3.2	4.9	4.8	7.9	6.5	12.1
Tinted window glass	4.2	6.4	7.4	11.9	9.7	12.9	3.4	5.9	5.5	8.0	6.7	12.9
Reflective window glass	7.0	9.4	12.8	16.3	17.9	14.1	5.6	8.7	8.8	11.7	11.9	20.3
External overhangs or awnings	5.0	6.3	8.9	14.4	16.6	19.8	4.5	6.3	6.6	10.3	9.0	19.9
Skylights or atriums	7.1	10.2	10.0	18.4	17.3	13.6	4.5	8.1	7.0	13.2	9.3	18.7
Light scheduling	5.2	7.1	11.5	14.0	11.5	11.5	4.1	5.6	7.0	10.4	8.7	13.4
Occupancy sensors	6.5	8.4	9.5	11.1	13.4	10.9	3.8	5.9	5.5	9.4	7.4	11.8
Multilevel lighting or dimming	10.0	13.5	17.0	17.6	17.2	13.3	6.6	8.0	11.1	15.3	11.0	18.1
Daylight harvesting	12.0	18.0	23.2	34.8	13.3	18.5	6.3	10.0	12.4	20.8	12.7	14.1
Plug-load control	18.4	27.4	37.9	41.7	25.5	28.7	12.2	26.4	24.2	31.7	25.4	20.6
Demand responsive lighting	30.7	35.9	42.1	62.3	33.2	30.9	15.2	27.1	25.5	40.1	28.3	24.9
Building automation system (BAS) for lighting	9.3	12.3	17.7	24.6	15.7	15.5	5.2	8.0	10.6	12.3	11.0	17.7
Electric vehicle (EV) charging												
Charging stations associated with the building	11.5	18.8	18.6	31.0	24.6	17.3	7.2	12.7	11.4	20.0	12.1	22.1

Data source: U.S. Energy Information Administration, Forms 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>.

^bOther sources includes wood, coal, solar, and all other energy sources.

^cOffice devices refers to any combination of printers, copiers, scanners, or FAX machines.