

Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	Total electricity consumption (billion kilowatthours [kWh])			Total floorspace of buildings using electricity (million square feet)			Electricity energy intensity (kWh/square foot)		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Building floorspace (square feet)									
1,001 to 5,000	17	8	12	933	480	1,046	18.5	16.6	11.8
5,001 to 10,000	17	10	15	1,307	833	1,395	13.0	12.2	10.8
10,001 to 25,000	21	12	21	2,006	1,316	1,972	10.2	9.1	10.5
25,001 to 50,000	18	14	22	1,650	1,099	1,937	11.1	12.4	11.6
50,001 to 100,000	27	16	17	2,193	1,223	1,630	12.3	12.7	10.4
100,001 to 200,000	20	17	19	1,333	1,158	1,425	15.2	14.6	13.7
200,001 to 500,000	21	8	22	1,265	632	1,483	16.3	13.4	15.0
Over 500,000	15	Q	8	662	Q	892	22.2	15.5	9.3
Principal building activity									
Education	18	8	13	1,800	895	1,379	10.2	8.9	9.1
Food sales	Q	Q	Q	Q	Q	Q	Q	Q	Q
Food service	10	8	7	193	210	194	49.2	38.9	34.6
Health care	9	8	14	355	404	586	26.2	19.2	24.3
Inpatient	7	Q	9	237	Q	302	29.8	Q	29.6
Outpatient	Q	3	5	Q	243	284	Q	12.6	18.7
Lodging	10	11	12	756	827	902	13.2	13.3	13.1
Mercantile	28	18	21	1,598	1,125	1,174	17.7	16.4	18.0
Retail (other than mall)	11	7	5	671	563	380	16.0	13.0	13.1
Enclosed and strip malls	18	11	16	927	562	795	19.0	19.8	20.3
Office	26	17	26	1,905	1,358	2,069	13.7	12.2	12.7
Public assembly	13	6	8	893	570	915	15.0	10.6	8.7
Public order and safety	Q	Q	2	Q	Q	162	Q	Q	12.4
Religious worship	4	Q	2	619	Q	530	6.2	Q	4.3
Service	5	3	5	619	462	605	7.6	7.4	7.7
Warehouse and storage	14	5	15	1,891	857	2,847	7.4	5.9	5.3
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q
Year constructed									
Before 1920	Q	Q	Q	Q	Q	Q	Q	Q	Q
1920 to 1945	6	2	9	451	224	667	13.1	Q	13.6
1946 to 1959	8	3	7	632	390	812	12.9	8.0	8.4
1960 to 1969	14	5	15	1,088	450	1,300	12.9	11.5	11.7
1970 to 1979	19	10	17	1,355	1,047	1,538	13.9	9.8	11.0
1980 to 1989	24	17	22	1,879	1,276	1,965	12.7	13.5	11.4
1990 to 1999	21	16	23	1,855	1,242	1,974	11.2	12.5	11.5
2000 to 2009	37	22	26	2,326	1,522	1,894	16.1	14.4	13.8
2010 to 2018	25	14	17	1,588	1,010	1,491	15.6	14.3	11.5
Climate zone^a									
Cold or very cold	N	Q	Q	N	Q	Q	N	11.8	10.6
Cool	N	40	Q	N	3,077	1,323	N	12.9	13.8
Mixed mild	Q	Q	25	Q	Q	2,346	12.1	12.3	10.7
Warm	52	Q	81	3,722	Q	6,878	13.9	8.8	11.7
Hot or very hot	84	25	Q	5,966	1,614	Q	14.1	15.4	11.2

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	Total electricity consumption (billion kilowatthours [kWh])			Total floorspace of buildings using electricity (million square feet)			Electricity energy intensity (kWh/square foot)		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Number of floors									
1	89	45	63	6,630	3,627	5,777	13.5	12.5	10.8
2	27	19	30	2,406	1,689	2,780	11.1	11.3	10.7
3	12	7	8	810	592	822	14.6	11.3	9.7
4 to 9	21	11	29	1,141	813	1,830	18.0	13.8	16.0
10 or more	7	Q	8	362	Q	573	19.8	18.4	13.5
Elevators and escalators (more than one may apply)									
Any elevators	51	40	57	3,381	2,877	4,004	15.2	14.0	14.2
1 elevator	14	11	14	1,246	1,069	1,312	11.6	10.0	10.6
2 to 5 elevators	22	17	25	1,477	1,006	1,521	14.9	17.1	16.5
6 or more elevators	15	Q	18	658	Q	1,172	22.6	15.3	15.3
Any escalators	7	Q	4	351	Q	286	20.9	Q	13.7
Number of workers (main shift)									
Fewer than 5	23	9	18	2,347	1,183	2,437	9.6	7.6	7.6
5 to 9	20	7	14	1,364	722	1,407	14.9	9.8	9.7
10 to 19	20	11	18	1,534	983	1,438	13.2	11.4	12.8
20 to 49	25	23	23	1,999	1,319	2,151	12.4	17.3	10.8
50 to 99	21	15	19	1,545	1,174	1,468	13.5	12.8	13.2
100 to 249	21	13	21	1,377	869	1,345	15.3	14.6	15.2
250 or more	26	17	24	1,182	1,161	1,534	22.0	14.7	15.5
Weekly operating hours									
Fewer than 40	10	3	10	1,136	431	1,478	8.6	6.1	6.6
40 to 48	25	13	23	2,717	1,420	2,690	9.3	9.2	8.4
49 to 60	30	24	23	2,569	2,212	2,472	11.6	10.6	9.4
61 to 84	28	15	26	1,884	955	1,943	14.8	15.7	13.5
85 to 167	18	17	18	837	847	1,170	21.9	20.1	15.4
Open continuously	45	24	38	2,207	1,546	2,029	20.2	15.3	18.5
Ownership and occupancy									
Nongovernment owned	119	75	107	8,599	5,614	9,259	13.9	13.4	11.6
Owner occupied	72	37	54	5,433	3,172	4,673	13.2	11.8	11.6
Leased to tenant or tenants	47	38	53	3,131	2,428	4,513	15.1	15.5	11.7
Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q
Government owned	36	20	30	2,750	1,797	2,522	13.2	11.0	11.9
Federal	Q	Q	3	Q	Q	257	Q	Q	10.3
State	15	9	10	1,016	652	773	15.1	13.3	13.1
Local	18	10	17	1,553	1,065	1,493	11.6	9.6	11.6
Party responsible for operation of energy systems									
Building owner	125	75	106	9,342	6,126	8,912	13.4	12.2	11.9
Business owner or tenant	24	14	24	1,584	966	2,256	15.0	14.6	10.5
Property management	Q	Q	5	Q	Q	358	Q	Q	13.2
Other	Q	Q	3	Q	Q	256	Q	Q	10.7

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	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Renovations since 2000 (more than one may apply)									
Any type of renovation	72	47	59	5,303	3,299	4,774	13.6	14.1	12.3
Addition or annex	16	11	11	1,131	783	751	14.1	14.0	15.2
Reduction in floorspace	Q	Q	Q	Q	Q	Q	Q	Q	Q
Roof replacement	29	21	24	2,292	1,350	1,903	12.8	15.6	12.4
Interior wall reconfiguration	36	23	23	2,395	1,701	1,961	15.1	13.4	11.8
Window replacement	12	12	11	916	970	953	12.8	12.1	11.6
HVAC equipment upgrade	43	28	35	3,150	2,113	2,626	13.7	13.1	13.1
Lighting upgrade	42	33	42	2,967	2,308	3,075	14.3	14.4	13.6
Electrical upgrade	23	14	20	1,541	1,132	1,347	15.2	12.7	14.5
Plumbing system upgrade	22	16	19	1,522	1,202	1,453	14.5	13.0	12.9
Insulation upgrade	11	10	6	760	795	468	14.1	12.4	12.0
Fire, safety, or security upgrade	31	19	25	2,258	1,399	1,944	13.6	13.6	13.0
Structural upgrade	4	Q	7	324	Q	466	13.6	Q	15.6
Other	4	Q	Q	160	Q	Q	23.8	Q	Q
No renovations	67	37	68	4,989	3,276	5,846	13.4	11.2	11.6
Buildings constructed 2013 or later	17	11	11	1,057	836	1,161	15.8	13.7	9.6
Energy sources (more than one may apply)									
Electricity	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Natural gas	107	73	103	7,488	5,948	8,138	14.2	12.2	12.6
Fuel oil	30	34	33	1,637	1,899	1,976	18.1	18.0	16.6
District heat	9	9	14	Q	401	883	15.7	23.3	16.1
District chilled water	11	Q	12	721	267	696	15.1	25.2	17.2
Propane	10	Q	13	722	700	1,248	13.7	13.6	10.5
Solar	Q	4	16	Q	396	1,012	Q	9.5	15.8
Wood, coal, and other	Q	Q	Q	Q	Q	Q	Q	Q	Q
Space-heating energy sources									
Electricity	97	56	70	6,485	3,856	5,823	15.0	14.6	12.1
Electricity main	72	30	44	4,726	2,200	3,855	15.1	13.7	11.4
Electricity secondary	26	26	27	1,759	1,657	1,968	14.8	15.7	13.5
Other excluding electricity	50	36	54	4,013	3,350	4,543	12.5	10.7	11.9
Buildings without heating	8	Q	13	Q	Q	1,415	9.4	Q	9.2
Primary space-heating energy source									
Electricity	72	30	44	4,726	2,200	3,855	15.1	13.7	11.4
Natural gas	66	53	64	5,010	4,523	5,404	13.2	11.6	11.9
Fuel oil	Q	Q	Q	Q	Q	Q	Q	Q	Q
District heat	Q	8	13	Q	362	797	16.0	23.1	16.6
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other sources ^b	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cooling energy sources									
Electricity	146	91	118	10,446	6,790	9,616	14.0	13.4	12.3
Other excluding electricity	8	Q	10	Q	121	590	14.0	12.7	16.9
Buildings without cooling	2	3	10	Q	500	1,575	5.8	5.0	6.1

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	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Heating equipment (more than one may apply)									
Packaged heating units	92	66	72	6,609	4,812	5,705	13.9	13.8	12.5
Furnaces	25	16	19	1,927	1,367	1,736	13.1	11.5	11.1
Individual space heaters	29	21	27	1,984	1,792	2,445	14.4	11.9	11.2
Boilers	32	35	40	2,172	2,528	2,857	14.9	14.0	13.9
Heat pumps	17	21	29	1,200	1,291	1,974	14.4	16.4	14.7
District heat	9	9	14	Q	373	874	16.3	23.1	16.0
Duct reheat	20	7	10	1,049	367	628	18.7	17.8	15.2
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cooling equipment (more than one may apply)									
Packaged air-conditioning units	103	67	88	7,224	4,733	6,849	14.3	14.1	12.8
Residential-type central air conditioners	26	11	18	2,175	1,027	1,536	11.8	10.8	11.8
Individual air conditioners	18	13	19	1,251	654	1,492	14.0	19.4	13.1
Central chillers	30	20	36	1,703	1,114	1,993	17.8	17.5	18.1
Heat pumps	8	15	21	508	1,072	1,428	15.7	14.4	15.0
District chilled water	11	Q	12	721	267	696	15.1	25.2	17.2
Swamp coolers	Q	8	9	Q	578	734	Q	13.2	12.2
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q
HVAC features (more than one may apply)									
Economizer cycle	53	45	64	3,008	3,232	4,479	17.7	13.9	14.3
Variable air volume (VAV) system	52	35	50	3,239	2,621	3,313	16.1	13.4	15.2
Dedicated outside air system (DOAS)	18	12	16	965	Q	945	18.6	16.4	16.6
Demand controlled ventilation (DCV)	16	12	17	1,016	730	1,136	15.9	16.5	15.2
Regular HVAC maintenance	138	88	119	9,460	6,622	9,328	14.6	13.3	12.8
Building automation system (BAS) controls heating or cooling	75	52	70	4,744	3,552	4,826	15.9	14.7	14.5
Internet-connected or smart thermostat	14	7	9	1,153	509	677	11.8	12.9	13.4
Programmable thermostat	28	21	32	2,286	1,723	3,143	12.0	12.3	10.1
Main equipment replaced since 2000 (more than one may apply)									
Heating	47	23	42	3,828	2,086	3,615	12.3	11.1	11.6
Cooling	32	20	25	2,353	1,604	2,282	13.8	12.5	11.2
Water-heating equipment									
Centralized system	90	63	78	6,596	4,942	6,375	13.6	12.6	12.3
Distributed system	27	12	23	2,159	885	2,208	12.5	13.4	10.4
Combination of centralized and distributed systems	32	15	28	1,732	899	1,993	18.6	16.5	13.9

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	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Generation technologies (more than one may apply)									
Reciprocating engine generators	42	39	33	2,458	2,116	2,042	17.1	18.2	16.2
Solar panels	Q	4	15	Q	396	972	Q	9.5	15.8
Other generation technology	Q	Q	7	Q	Q	370	Q	Q	18.8
Lighting equipment types (more than one may apply)									
Incandescent	32	24	41	2,080	1,364	2,376	15.4	17.5	17.1
Standard fluorescent	113	73	109	8,448	5,645	9,112	13.4	12.9	11.9
Compact fluorescent	53	37	67	3,653	2,541	4,335	14.4	14.5	15.4
High-intensity discharge (HID)	14	16	15	830	988	974	16.8	16.6	15.9
Halogen	32	25	33	2,087	1,366	1,832	15.4	18.4	17.8
LED	102	71	101	6,506	5,168	7,763	15.6	13.8	13.0
Other	Q	N	Q	Q	N	Q	Q	N	Q
Refrigeration equipment (more than one may apply)									
Any refrigeration	139	82	116	9,599	6,068	8,854	14.5	13.5	13.1
Walk-in units	64	46	56	3,063	2,505	2,974	20.9	18.5	18.7
Cases or cabinets	64	41	54	3,236	2,262	3,069	19.7	18.1	17.5
Large cold storage areas	9	Q	8	362	Q	459	25.4	Q	18.3
Commercial ice makers	79	53	58	4,501	3,254	3,575	17.5	16.3	16.1
Residential-type or compact units	114	62	95	8,220	5,023	7,470	13.8	12.3	12.8
Vending machines	83	49	59	5,166	3,410	4,084	16.0	14.4	14.6
No refrigeration	16	13	22	1,751	1,343	2,927	9.3	9.8	7.4
Office equipment (more than one may apply)									
Desktop computers	142	88	124	10,093	6,477	10,014	14.1	13.6	12.4
With multiple monitors	85	60	86	5,585	4,276	6,439	15.3	14.1	13.3
Laptop computers	114	72	102	8,299	5,327	8,133	13.7	13.6	12.5
Dedicated servers	92	59	90	6,133	4,161	6,524	14.9	14.2	13.8
Tablets charged in building	89	61	76	5,940	4,293	5,530	15.0	14.1	13.8
Large floor-standing office devices ^c	88	58	82	6,291	4,427	6,208	13.9	13.0	13.2
Smaller desktop office devices ^c	135	80	112	9,505	5,843	8,907	14.2	13.6	12.6
Interactive whiteboards	20	19	18	1,567	1,467	1,371	12.6	12.8	13.1
Televisions or video displays	119	74	95	8,231	5,216	7,266	14.4	14.1	13.1
Point-of-sale devices or cash registers	74	55	58	3,888	3,415	3,407	19.1	16.0	17.1
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar, concession stand, or coffee shop	18	18	19	1,011	1,106	1,337	17.9	16.1	14.4
Fast food or small restaurant	20	17	22	980	983	1,373	20.8	17.6	16.1
Cafeteria or large restaurant	23	16	16	1,450	1,202	1,081	16.1	13.6	14.8
Commercial kitchen or food preparation area	38	25	25	2,013	1,633	1,611	18.9	15.6	15.4
Small kitchen area	29	23	23	2,367	1,856	1,985	12.3	12.6	11.8

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	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	156	95	137	11,349	7,411	11,781	13.7	12.8	11.7
Separate computer areas (more than one may apply)									
Server closet	81	56	76	5,939	4,104	5,794	13.6	13.6	13.1
Data center	19	14	27	1,077	982	1,387	17.8	14.5	19.4
Computer-based training room	29	25	24	2,006	1,782	1,575	14.7	13.9	15.1
Student or public computer center	22	16	18	1,825	1,125	1,293	12.3	14.1	14.0
Window and interior lighting features (more than one may apply)									
Multipaned windows	113	84	95	7,724	6,223	7,692	14.6	13.4	12.4
Tinted window glass	84	57	78	5,857	3,844	6,266	14.4	14.8	12.5
Reflective window glass	32	30	39	2,091	2,071	3,021	15.1	14.2	13.1
External overhangs or awnings	52	45	56	3,851	2,772	4,270	13.6	16.2	13.0
Skylights or atriums	32	26	34	2,179	1,862	3,137	14.6	14.1	11.0
Light scheduling	68	51	66	3,999	3,220	4,410	16.9	15.9	14.9
Occupancy sensors	63	49	76	4,075	3,607	5,876	15.5	13.6	13.0
Multilevel lighting or dimming	24	26	24	1,314	1,714	1,604	17.9	15.4	14.8
Daylight harvesting	14	16	15	726	778	1,239	19.6	20.1	12.4
Plug-load control	Q	Q	6	Q	Q	312	Q	Q	19.1
Demand responsive lighting	Q	Q	5	Q	Q	333	Q	Q	14.8
Building automation system (BAS) for lighting	35	27	35	2,002	1,678	2,527	17.5	16.0	13.8
Electric vehicle (EV) charging									
Charging stations associated with the building	9	16	23	568	1,131	1,944	15.9	14.1	11.9
Annual consumption (kilowatthours)									
10,000 or less	0	0	0	256	166	267	1.3	1.6	1.8
10,001 to 50,000	7	4	8	1,138	906	1,616	5.8	4.9	5.1
50,001 to 100,000	10	5	11	1,168	680	1,423	8.4	7.4	7.8
100,001 to 500,000	44	23	36	3,442	1,951	3,424	12.9	11.9	10.5
500,001 to 1,000,000	25	17	20	1,874	1,240	1,471	13.2	14.0	13.7
1,000,001 to 5,000,000	40	27	35	2,296	1,626	2,530	17.3	16.4	13.9
Over 5,000,000	30	18	26	1,176	842	1,052	25.6	21.4	25.1

Data source: U.S. Energy Information Administration, Forms EIA-871A and E 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.

HVAC = Heating, ventilation, and air conditioning.

^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.

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West Central	South Mountain	Pacific	West Central	South Mountain	Pacific	West Central	South Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Building floorspace (square feet)									
1,001 to 5,000	18.8	18.2	13.0	14.6	17.0	9.3	12.9	12.4	14.5
5,001 to 10,000	21.0	23.5	14.0	19.4	22.6	10.7	13.1	19.4	12.5
10,001 to 25,000	21.7	16.7	15.2	22.2	15.0	18.0	15.4	13.0	11.5
25,001 to 50,000	21.0	22.3	13.3	18.0	20.9	14.5	8.7	6.1	16.6
50,001 to 100,000	13.1	18.5	13.6	14.7	14.2	14.6	5.8	7.9	8.6
100,001 to 200,000	9.3	25.7	18.6	10.3	17.6	18.9	8.4	20.6	15.1
200,001 to 500,000	13.8	24.2	16.9	13.3	23.2	12.4	7.9	6.5	11.5
Over 500,000	17.6	57.4	18.7	15.7	59.2	26.0	13.2	9.3	17.8
Principal building activity									
Education	20.3	13.6	14.9	20.3	15.2	15.8	7.1	6.9	10.1
Food sales	46.4	16.9	48.0	48.6	18.2	46.1	21.3	4.9	18.6
Food service	24.4	27.7	31.5	25.1	21.9	26.2	9.4	11.2	14.2
Health care	18.0	23.7	15.9	16.9	20.0	20.2	4.6	8.0	15.7
Inpatient	20.0	33.2	20.7	20.0	31.8	25.4	4.6	7.6	22.4
Outpatient	36.1	20.4	23.6	29.1	19.7	24.0	10.8	6.8	14.9
Lodging	23.4	48.6	12.6	21.7	43.0	14.7	6.9	10.4	10.0
Mercantile	15.3	15.9	13.0	15.1	15.6	10.7	3.9	5.8	6.6
Retail (other than mall)	19.6	19.2	31.7	21.6	21.9	24.2	8.7	9.8	15.5
Enclosed and strip malls	21.0	23.8	18.4	21.1	22.6	15.9	4.0	8.0	6.5
Office	16.3	18.8	12.4	18.0	21.0	10.0	10.2	6.0	4.8
Public assembly	23.0	26.3	11.8	19.1	26.5	13.7	6.2	22.1	11.2
Public order and safety	56.7	39.5	41.5	48.3	37.0	38.5	17.4	25.8	11.2
Religious worship	13.8	36.7	27.3	16.6	28.2	28.6	12.8	23.5	12.6
Service	34.6	18.7	18.3	33.8	20.2	27.0	30.1	9.4	12.8
Warehouse and storage	22.3	33.3	22.5	27.5	30.1	17.2	21.1	16.6	18.0
Other	54.0	91.8	33.3	44.9	46.0	34.5	28.1	94.2	19.9
Vacant	46.5	93.1	46.5	51.3	71.3	51.2	42.7	82.5	24.8
Year constructed									
Before 1920	62.8	71.1	34.7	73.3	65.9	35.5	47.1	86.0	26.8
1920 to 1945	26.9	40.7	24.9	27.0	33.6	23.4	18.3	62.8	20.0
1946 to 1959	27.8	29.3	18.2	26.6	30.3	15.2	17.7	22.0	19.4
1960 to 1969	19.2	28.7	14.9	17.2	22.9	17.9	12.0	17.4	13.1
1970 to 1979	23.6	25.6	19.5	22.1	19.0	23.5	9.1	12.3	25.6
1980 to 1989	15.3	36.4	12.9	16.3	33.7	10.0	8.6	8.3	7.9
1990 to 1999	12.9	17.7	13.0	19.9	16.8	15.8	11.5	7.2	12.2
2000 to 2009	19.6	13.9	18.3	19.6	13.0	16.8	8.2	9.6	7.7
2010 to 2018	21.6	27.9	18.5	23.0	28.2	20.1	6.7	9.2	12.6
Climate zone^a									
Cold or very cold	0.0	54.5	54.1	0.0	64.1	58.0	0.0	29.1	16.3
Cool	0.0	18.6	51.7	0.0	15.2	41.2	0.0	11.3	18.0
Mixed mild	84.7	78.0	42.5	88.1	72.7	47.6	16.6	17.3	10.5
Warm	41.6	68.9	9.3	41.4	69.1	8.8	5.1	0.6	8.1
Hot or very hot	20.2	14.7	82.9	21.1	16.6	85.2	8.8	4.6	9.4

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Number of floors									
1	15.4	12.4	8.6	15.4	13.9	9.4	6.9	7.1	5.9
2	13.2	12.4	13.0	15.0	11.4	12.7	5.3	8.2	10.9
3	27.5	26.8	15.3	26.0	36.2	20.8	13.5	12.6	18.6
4 to 9	22.6	17.9	16.4	23.2	18.2	17.4	12.2	10.0	12.9
10 or more	31.4	50.4	20.5	27.1	51.9	22.2	8.7	30.9	5.9
Elevators and escalators (more than one may apply)									
Any elevators	16.3	20.4	10.6	18.0	21.6	13.3	6.9	10.1	8.9
1 elevator	36.6	16.7	11.7	31.5	21.6	19.4	9.1	10.4	13.6
2 to 5 elevators	16.4	20.6	13.4	17.5	16.6	11.8	9.8	21.3	8.1
6 or more elevators	17.5	50.9	19.1	14.3	50.2	20.4	10.5	7.7	14.2
Any escalators	24.2	67.9	25.8	21.0	66.6	25.7	22.7	9.6	11.9
Number of workers (main shift)									
Fewer than 5	21.8	20.7	10.4	19.9	21.3	16.5	12.9	4.7	20.8
5 to 9	20.3	18.5	18.9	17.4	19.1	18.5	7.1	18.0	13.0
10 to 19	20.1	20.9	13.8	20.9	16.2	15.5	10.3	18.5	12.6
20 to 49	12.6	20.2	12.1	15.0	11.2	11.6	10.5	17.3	9.3
50 to 99	25.9	25.7	18.3	26.0	20.7	13.4	6.7	9.1	10.0
100 to 249	14.2	28.1	14.6	12.7	28.7	17.3	7.3	13.5	7.6
250 or more	14.2	37.4	15.2	13.1	33.2	15.2	6.6	8.2	11.3
Weekly operating hours									
Fewer than 40	22.2	23.7	13.6	18.3	17.4	19.0	11.6	16.3	15.0
40 to 48	16.1	19.4	9.1	16.9	19.2	10.4	10.4	4.3	10.0
49 to 60	17.4	15.8	9.3	16.8	13.0	11.6	5.8	12.6	7.1
61 to 84	19.9	29.1	13.6	23.0	22.5	11.5	8.7	19.0	7.7
85 to 167	20.5	17.0	20.3	15.6	20.3	25.0	14.0	9.3	16.0
Open continuously	11.1	28.5	8.9	11.8	27.4	11.3	7.4	8.3	9.5
Ownership and occupancy									
Nongovernment owned	9.2	14.0	5.6	10.3	14.6	9.3	6.4	7.5	7.0
Owner occupied	10.4	19.7	8.5	11.7	15.7	11.1	5.8	8.2	10.5
Leased to tenant or tenants	14.6	13.0	8.7	11.3	16.8	10.0	9.0	11.7	7.5
Unoccupied	79.7	71.3	47.9	88.9	70.9	54.4	47.3	20.5	36.0
Government owned	20.4	21.1	11.9	20.8	18.6	13.6	5.4	8.4	9.1
Federal	53.0	40.3	39.2	45.3	44.8	41.5	26.1	11.4	13.8
State	31.0	32.0	25.9	31.8	23.6	26.2	5.2	16.2	17.8
Local	20.5	21.2	14.2	21.8	24.7	15.4	9.7	6.9	11.9
Party responsible for operation of energy systems									
Building owner	11.9	13.9	6.3	13.5	13.8	7.9	4.7	7.4	7.3
Business owner or tenant	13.1	17.0	16.7	14.3	19.2	17.6	9.0	8.0	11.9
Property management	31.6	43.4	34.4	33.1	43.6	30.1	14.4	21.1	24.2
Other	65.3	22.5	24.5	45.6	15.9	28.1	37.1	14.5	18.4

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Provider of direct input on energy-related equipment purchases									
Building owner	10.9	13.3	5.7	12.7	13.2	8.2	5.0	7.0	7.2
Business owner or tenant	14.3	18.9	21.0	18.4	21.3	25.7	14.7	6.6	13.1
Property management	41.8	68.1	18.8	38.5	63.1	42.9	20.5	46.3	36.2
Other	34.7	34.7	14.1	25.1	47.9	10.8	25.3	35.5	13.4
Number of establishments									
1	14.5	12.5	7.9	15.7	12.0	9.6	4.8	9.0	8.1
2 to 5	13.5	31.9	13.9	11.9	31.4	11.8	5.7	6.0	8.5
6 to 10	23.7	24.0	23.2	21.7	19.1	24.7	8.7	12.5	12.5
11 to 20	32.8	25.5	13.3	30.8	23.7	12.0	11.5	12.2	6.6
More than 20	26.2	26.3	17.8	20.4	33.9	16.5	14.1	18.2	12.0
Currently unoccupied	79.6	93.1	47.9	88.7	71.3	54.4	45.9	82.5	36.0
Predominant exterior wall material									
Brick, stone, or stucco	13.6	18.1	8.6	14.4	16.8	8.8	5.6	9.7	7.8
Concrete (block or poured)	12.2	15.5	10.7	13.1	13.1	12.8	9.7	11.9	13.3
Concrete panels	19.8	21.0	20.7	19.8	27.2	18.2	9.0	11.3	14.1
Siding or shingles	41.5	26.3	22.5	39.7	22.5	27.8	9.0	10.6	23.1
Metal panels	15.0	23.7	13.7	15.2	22.3	16.5	10.4	11.0	22.2
Window glass	25.3	41.4	28.3	26.9	40.6	25.4	13.9	5.0	14.6
Other	53.7	29.2	22.4	44.4	29.5	22.8	34.4	18.9	15.8
Predominant roof material									
Metal surfacing	22.8	19.7	11.3	21.5	20.1	14.8	6.5	9.8	20.3
Synthetic or rubber	12.4	15.6	8.2	12.1	17.1	10.1	8.5	8.1	7.4
Built-up	16.5	33.6	11.8	15.8	28.9	10.7	7.2	12.2	6.8
Slate or tile shingles	26.7	33.0	23.7	11.6	36.6	22.6	20.4	8.6	9.2
Wooden materials (including shingles)	29.4	41.5	30.1	46.7	30.9	33.5	47.7	17.1	15.9
Asphalt, fiberglass, or other shingles	19.3	20.4	17.9	18.0	17.3	18.3	9.2	8.4	18.8
Concrete	42.9	68.0	25.7	35.7	36.8	17.3	26.3	61.2	12.9
Other	23.1	32.5	21.4	19.7	32.0	29.0	17.4	17.0	28.7
Roof tilt									
Flat	9.0	15.8	7.3	10.9	16.2	8.7	6.6	6.8	5.0
Shallow pitch	14.7	16.9	11.2	15.8	14.2	12.6	7.2	18.5	16.6
Steeper pitch	23.2	18.9	17.8	23.2	11.5	20.9	7.0	20.1	9.3
Cool roof characteristics (more than one may apply)									
White or reflective coating or paint	12.2	21.5	8.4	12.0	19.3	10.3	5.6	5.3	5.6
White or reflective tiles or shingles	52.7	26.8	19.1	38.0	36.2	13.2	24.8	27.8	20.6
Aluminum coating	31.2	35.1	19.3	23.0	36.6	41.0	18.0	18.5	40.5
Ballasted roof system	22.3	48.3	28.2	21.0	35.9	25.1	24.6	22.4	19.9
Other cool roof property	66.1	56.4	37.1	61.1	60.8	30.0	36.9	10.0	22.3

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Renovations since 2000 (more than one may apply)									
Any type of renovation	8.9	16.0	6.4	9.7	17.6	8.4	5.9	11.9	8.1
Addition or annex	11.7	19.6	9.5	9.0	21.9	17.3	8.4	7.8	15.2
Reduction in floorspace	52.6	51.2	42.9	41.5	68.3	36.8	32.6	21.1	12.0
Roof replacement	14.5	26.8	11.9	13.6	27.1	13.1	7.3	12.5	12.8
Interior wall reconfiguration	11.8	28.4	14.8	12.6	26.4	10.8	8.3	9.6	9.5
Window replacement	26.3	39.5	17.8	18.9	30.7	22.3	12.4	16.1	13.4
HVAC equipment upgrade	10.5	23.3	10.5	12.2	23.6	11.3	8.0	9.1	10.0
Lighting upgrade	10.9	19.7	9.5	10.0	20.9	10.5	7.0	15.0	8.2
Electrical upgrade	18.8	35.0	15.7	18.1	32.1	8.0	11.7	15.2	15.1
Plumbing system upgrade	16.2	32.4	10.5	12.9	29.2	9.9	9.2	9.4	8.3
Insulation upgrade	16.2	49.6	16.8	18.0	41.2	24.2	10.6	19.4	18.2
Fire, safety, or security upgrade	15.1	29.9	14.5	13.4	27.1	13.7	9.9	8.9	10.2
Structural upgrade	21.3	76.1	19.6	19.5	66.4	18.9	12.6	25.9	23.7
Other	16.5	40.8	43.2	15.7	46.1	38.4	7.3	32.9	24.6
No renovations	18.6	12.4	7.5	19.3	13.0	9.2	7.3	6.7	7.1
Buildings constructed 2013 or later	20.2	29.6	13.2	22.7	28.3	16.7	12.9	6.8	13.5
Energy sources (more than one may apply)									
Electricity	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Natural gas	8.1	15.7	5.4	8.6	16.2	8.9	3.8	7.4	5.4
Fuel oil	12.6	27.4	14.9	13.4	31.4	15.7	10.2	13.0	12.2
District heat	44.7	43.6	24.2	53.4	33.8	18.4	17.8	34.1	11.4
District chilled water	44.0	54.4	27.6	47.5	31.0	20.5	7.8	45.3	13.4
Propane	30.1	51.0	25.5	25.5	40.8	27.3	14.8	17.4	14.5
Solar	46.4	33.6	18.6	47.8	31.9	19.3	18.9	12.3	7.0
Wood, coal, and other	52.2	41.7	51.8	53.0	46.6	48.7	18.4	12.9	42.2
Space-heating energy sources									
Electricity	11.8	13.0	7.3	11.3	13.0	9.6	4.8	6.7	7.9
Electricity main	18.4	11.5	13.5	17.1	14.0	14.1	6.3	6.6	9.0
Electricity secondary	16.9	23.3	11.8	16.0	21.4	12.5	4.5	10.7	8.9
Other excluding electricity	12.1	19.2	11.0	14.3	18.1	11.8	6.6	10.2	6.1
Buildings without heating	48.7	30.8	18.6	56.1	37.4	17.4	30.6	29.5	26.5
Primary space-heating energy source									
Electricity	18.4	11.5	13.5	17.1	14.0	14.1	6.3	6.6	9.0
Natural gas	10.2	18.5	7.7	10.3	18.9	9.8	4.3	8.5	6.2
Fuel oil	72.2	102.4	109.6	81.1	96.9	110.6	83.6	39.1	95.0
District heat	50.0	44.8	26.2	60.9	31.9	21.5	24.1	38.8	10.1
Propane	67.0	96.5	52.8	59.4	80.5	45.6	19.9	56.7	28.4
Other sources ^b	52.1	74.9	37.1	52.1	74.9	59.5	0.0	0.0	34.4
Cooling energy sources									
Electricity	10.1	12.4	5.5	10.5	13.3	6.6	4.3	6.1	5.5
Other excluding electricity	46.1	55.6	29.0	52.6	46.7	21.7	14.2	16.3	18.4
Buildings without cooling	49.8	28.8	27.2	55.1	29.3	22.7	22.6	13.9	27.3

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Heating equipment (more than one may apply)									
Packaged heating units	11.5	13.7	7.4	9.9	14.3	9.7	6.9	5.8	5.8
Furnaces	16.2	27.1	14.6	17.1	16.6	14.0	4.5	11.4	12.9
Individual space heaters	14.8	26.5	10.9	15.7	23.8	10.5	7.0	14.5	12.3
Boilers	9.6	22.9	10.6	12.3	22.1	13.7	6.1	7.0	8.2
Heat pumps	17.1	24.8	21.5	16.4	24.7	12.7	7.9	4.3	11.5
District heat	45.9	44.4	24.4	56.6	31.6	18.6	22.1	37.3	11.6
Duct reheat	13.2	34.2	23.2	12.1	34.2	17.8	9.9	9.0	16.8
Other	99.2	30.1	100.2	99.2	31.4	95.5	0.0	7.9	33.3
Cooling equipment (more than one may apply)									
Packaged air-conditioning units	11.8	12.1	6.8	10.1	13.8	7.0	6.6	7.2	4.9
Residential-type central air conditioners	17.5	25.9	20.5	19.0	22.1	16.7	6.4	8.7	19.7
Individual air conditioners	16.0	39.9	16.2	13.6	20.2	16.6	7.2	29.8	11.5
Central chillers	12.4	21.4	10.8	11.4	18.5	10.7	6.0	19.4	9.3
Heat pumps	24.4	34.1	17.3	21.3	30.7	14.3	12.0	6.7	6.7
District chilled water	44.0	54.4	27.6	47.5	31.0	20.5	7.8	45.3	13.4
Swamp coolers	71.1	27.3	22.8	64.5	16.3	20.9	17.3	19.9	9.0
Other	90.1	78.7	72.3	97.9	70.1	47.1	67.8	5.1	50.4
HVAC features (more than one may apply)									
Economizer cycle	15.7	18.8	10.3	15.9	19.8	12.8	9.4	6.4	7.6
Variable air volume (VAV) system	19.3	23.1	9.7	23.5	21.5	10.3	8.5	6.3	7.8
Dedicated outside air system (DOAS)	18.7	48.5	18.7	15.9	51.3	12.5	10.6	9.2	12.5
Demand controlled ventilation (DCV)	17.3	31.1	18.5	17.8	20.0	17.9	4.0	29.6	17.2
Regular HVAC maintenance	10.3	13.1	6.1	11.6	13.7	8.9	5.3	6.5	5.2
Building automation system (BAS) controls heating or cooling	13.6	18.5	9.1	18.4	18.3	9.9	7.5	8.1	7.5
Internet-connected or smart thermostat	35.4	36.1	30.1	34.9	27.6	20.1	8.6	18.8	11.9
Programmable thermostat	20.2	10.9	8.8	23.2	14.6	7.9	11.8	9.2	7.6
Main equipment replaced since 2000 (more than one may apply)									
Heating	10.8	13.8	8.6	11.6	14.9	9.1	7.0	3.8	12.1
Cooling	9.7	29.2	12.3	9.3	24.1	13.1	7.8	11.6	10.0
Water-heating equipment									
Centralized system	10.4	16.3	6.9	10.5	15.9	6.5	5.0	7.4	7.9
Distributed system	27.5	14.4	15.0	28.5	17.2	13.1	9.7	10.6	9.3
Combination of centralized and distributed systems	15.1	16.0	14.5	13.3	16.8	14.3	8.4	8.5	11.1
Generation technologies (more than one may apply)									
Reciprocating engine generators	11.0	23.9	15.3	10.5	27.8	15.8	7.9	12.3	12.0
Solar panels	46.4	33.6	17.3	47.8	31.9	18.8	18.9	12.3	7.8
Other generation technology	29.2	54.7	30.2	47.5	50.7	34.1	66.7	14.6	22.6

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Lighting equipment types (more than one may apply)									
Incandescent	12.1	30.7	8.3	10.6	25.6	10.2	7.2	16.1	9.3
Standard fluorescent	8.3	13.3	5.0	10.3	14.4	8.8	4.5	8.1	7.5
Compact fluorescent	11.3	20.2	9.3	13.1	19.2	6.9	5.1	4.6	7.0
High-intensity discharge (HID)	16.5	36.3	16.4	16.6	35.2	15.4	7.9	21.2	16.2
Halogen	9.3	25.4	12.7	9.6	25.1	8.9	4.8	14.0	7.1
LED	10.6	14.9	6.0	10.3	14.1	6.6	5.6	6.7	6.5
Other	70.9	0.0	51.3	70.9	0.0	51.3	0.0	0.0	0.0
Refrigeration equipment (more than one may apply)									
Any refrigeration	10.1	13.9	5.2	11.2	13.8	8.1	4.3	5.4	6.5
Walk-in units	9.5	16.9	9.0	7.2	17.1	9.6	7.5	6.6	7.6
Cases or cabinets	12.5	20.5	8.5	10.0	22.3	10.9	7.5	7.6	7.5
Large cold storage areas	29.2	44.4	32.3	28.8	52.0	19.7	12.2	16.3	20.0
Commercial ice makers	8.9	14.9	10.2	8.1	15.5	11.5	4.6	8.7	7.8
Residential-type or compact units	11.3	15.6	5.8	12.7	15.0	8.1	5.3	6.8	7.2
Vending machines	10.1	17.5	10.3	10.4	20.7	9.8	4.4	8.6	8.7
No refrigeration	15.6	28.2	19.2	16.0	23.1	12.4	11.9	24.0	17.8
Office equipment (more than one may apply)									
Desktop computers	10.0	12.6	4.5	10.9	14.2	7.3	4.7	6.9	5.5
With multiple monitors	8.7	19.0	8.2	9.1	20.0	10.8	5.3	8.4	5.9
Laptop computers	9.3	14.5	5.8	10.6	15.0	7.4	5.6	7.4	6.6
Dedicated servers	8.7	15.5	7.1	10.4	16.2	10.1	5.5	6.8	7.3
Tablets charged in building	7.8	15.2	6.6	9.9	14.8	9.8	5.0	7.4	6.8
Large floor-standing office devices ^c	8.9	17.2	8.3	9.9	17.3	9.6	5.5	8.7	7.4
Smaller desktop office devices ^c	8.6	13.8	5.3	9.9	14.7	7.5	4.6	7.6	5.4
Interactive whiteboards	14.5	32.2	16.1	16.6	26.4	13.1	6.3	8.5	14.0
Televisions or video displays	8.1	13.9	6.4	10.0	14.0	9.3	5.4	7.6	7.0
Point-of-sale devices or cash registers	11.3	17.6	7.8	8.9	18.8	10.8	5.7	9.3	6.6
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar, concession stand, or coffee shop	12.7	31.7	15.1	10.5	30.0	15.1	7.8	9.4	11.2
Fast food or small restaurant	13.0	30.1	16.4	13.1	30.9	16.1	4.2	7.7	9.7
Cafeteria or large restaurant	10.2	37.8	15.6	9.5	31.2	20.8	5.0	11.2	10.7
Commercial kitchen or food preparation area	12.4	23.6	11.5	11.9	20.9	13.9	6.0	10.8	7.2
Small kitchen area	10.6	26.0	10.7	9.3	21.2	14.4	9.5	8.9	11.7

Relative standard errors (RSEs) for Table C19. Electricity consumption and conditional energy intensity by census division (part 3), 2018

	RSEs for total electricity consumption			RSEs for total floorspace of buildings using electricity			RSEs for electricity energy intensity		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
All buildings	10.3	12.8	4.8	11.7	13.4	7.7	4.8	6.8	6.5
Separate computer areas (more than one may apply)									
Server closet	9.7	16.3	7.9	11.9	17.6	10.5	3.6	5.5	6.9
Data center	12.9	47.6	19.0	9.9	44.1	21.4	8.7	8.2	12.3
Computer-based training room	11.7	28.4	14.5	15.5	26.4	17.2	8.1	5.9	8.7
Student or public computer center	11.6	36.3	16.7	11.5	29.9	18.0	6.4	10.7	13.1
Window and interior lighting features (more than one may apply)									
Multipaned windows	12.7	14.1	6.5	11.9	14.1	9.0	4.8	6.4	6.7
Tinted window glass	12.4	16.7	5.4	11.3	16.9	8.8	6.9	6.9	8.1
Reflective window glass	17.5	26.4	10.6	20.7	23.0	12.8	10.2	7.6	7.3
External overhangs or awnings	14.0	20.3	7.3	12.0	19.8	11.1	5.1	9.0	6.9
Skylights or atriums	10.5	22.9	11.1	6.5	23.9	11.5	8.4	5.6	7.2
Light scheduling	9.7	18.7	8.6	10.4	17.9	9.9	6.4	8.0	8.2
Occupancy sensors	12.7	21.8	8.1	14.7	21.5	9.0	5.0	5.6	6.1
Multilevel lighting or dimming	11.2	29.0	10.4	9.0	27.8	10.1	8.6	5.9	7.7
Daylight harvesting	20.8	24.5	15.9	18.6	13.3	14.3	11.4	22.7	9.2
Plug-load control	28.0	57.9	35.7	29.7	37.3	25.8	8.4	51.0	17.9
Demand responsive lighting	52.2	27.2	31.1	42.1	21.4	34.2	28.9	32.0	26.1
Building automation system (BAS) for lighting	9.7	27.0	13.9	12.6	26.4	13.7	9.7	6.7	8.5
Electric vehicle (EV) charging									
Charging stations associated with the building	19.7	31.8	10.5	19.0	29.3	10.5	5.5	8.2	4.7
Annual consumption (kilowatthours)									
10,000 or less	35.0	32.3	28.1	36.3	34.8	35.2	33.0	12.4	15.9
10,001 to 50,000	20.2	21.5	17.4	22.9	20.9	20.6	9.3	4.6	7.8
50,001 to 100,000	22.4	17.2	9.0	20.0	17.3	9.4	12.9	8.0	12.9
100,001 to 500,000	14.8	14.5	10.9	15.0	14.8	10.9	9.0	12.4	7.7
500,001 to 1,000,000	21.0	17.6	14.3	23.5	18.4	10.2	7.8	4.1	8.0
1,000,001 to 5,000,000	10.4	15.5	12.8	7.7	14.8	14.4	4.8	5.0	7.7
Over 5,000,000	12.8	36.7	15.0	10.6	45.6	14.4	7.3	25.5	10.7

Data source: U.S. Energy Information Administration, Forms EIA-871A and E 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.