

Release date: February 2015

Revised date: May 2016

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Building floorspace (square feet)							
1,001 to 5,000	2,777	2,285	315	Q	Q	Q	145
5,001 to 10,000	1,229	907	235	34	Q	N	50
10,001 to 25,000	884	600	179	54	16	Q	34
25,001 to 50,000	332	208	65	20	23	Q	Q
50,001 to 100,000	199	125	35	16	10	6	Q
100,001 to 200,000	90	55	21	4	5	3	Q
200,001 to 500,000	38	21	10	1	2	3	Q
Over 500,000	8	3	2	1	(*)	2	Q
Principal building activity							
Education	389	369	19	N	N	N	N
Food sales	177	150	27	Q	N	N	N
Food service	380	346	33	Q	N	N	N
Health care	157	113	39	1	Q	Q	N
Inpatient	10	8	2	Q	Q	Q	N
Outpatient	147	105	37	Q	Q	Q	N
Lodging	158	146	12	Q	Q	Q	N
Mercantile	602	372	133	58	30	8	N
Retail (other than mall)	438	372	62	Q	Q	Q	N
Enclosed and strip malls	164	N	71	57	29	7	N
Office	1,012	657	275	52	19	8	N
Public assembly	352	300	50	Q	Q	Q	N
Public order and safety	84	70	14	N	N	N	N
Religious worship	412	385	26	N	N	N	N
Service	619	526	82	Q	Q	N	N
Warehouse and storage	796	642	110	22	Q	Q	N
Other	125	93	28	Q	Q	Q	N
Vacant	296	35	Q	Q	Q	N	248
Year constructed							
Before 1920	362	263	57	Q	Q	Q	33
1920 to 1945	488	395	56	Q	Q	Q	30
1946 to 1959	599	433	97	Q	Q	Q	58
1960 to 1969	639	484	100	16	7	Q	30
1970 to 1979	684	500	116	20	11	Q	30
1980 to 1989	915	660	154	38	18	11	33
1990 to 1999	845	668	129	22	9	3	Q
2000 to 2003	375	303	51	10	4	Q	Q
2004 to 2007	347	266	53	14	Q	Q	Q
2008 to 2012	303	232	49	Q	Q	Q	Q

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Census region							
Northeast	805	602	150	19	8	3	24
Midwest	1,237	974	192	21	8	2	41
South	2,247	1,690	328	63	27	8	130
West	1,267	939	193	44	25	14	53
Climate region¹							
Very cold/Cold	2,031	1,540	349	46	19	Q	70
Mixed-humid	1,743	1,368	228	44	19	7	78
Mixed-dry/Hot-dry	837	627	126	Q	11	5	43
Hot-humid	799	567	138	24	11	3	56
Marine	147	102	22	Q	Q	Q	Q
Number of floors							
One	3,836	2,997	510	87	39	17	186
Two	1,158	833	224	38	16	2	45
Three	374	259	87	10	Q	Q	Q
Four to nine	177	112	39	10	6	4	Q
Ten or more	13	4	3	1	2	3	Q
Elevators and escalators (more than one may apply)							
Any elevators	405	248	104	21	15	9	8
Number of elevators							
One	272	175	71	12	Q	Q	Q
Two to five	118	67	28	9	6	5	Q
Six or more	16	7	4	1	2	2	Q
Any escalators	10	4	Q	Q	(*)	1	Q
Number of workers (main shift)							
Fewer than 5	2,892	2,325	278	Q	Q	Q	248
5 to 9	1,085	846	215	21	Q	Q	N
10 to 19	731	526	171	29	Q	N	N
20 to 49	513	312	123	50	26	Q	N
50 to 99	206	127	42	16	16	5	N
100 to 249	93	51	25	4	7	7	N
250 or more	37	17	8	4	3	5	N
Weekly operating hours							
Fewer than 40	1,149	829	68	Q	N	N	248
40 to 48	1,346	1,033	278	24	Q	Q	N
49 to 60	1,244	940	230	47	21	5	N
61 to 84	764	534	147	40	30	14	N
85 to 167	479	392	68	11	Q	Q	N
Open continuously	575	476	71	21	4	Q	N

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Ownership and occupancy							
Nongovernment owned	4,781	3,537	782	147	67	27	221
Owner occupied	2,466	2,318	142	Q	Q	N	N
Leased to tenant(s)	1,745	1,220	351	103	52	20	N
Owner occupied and leased	349	N	289	40	12	7	N
Unoccupied	221	N	N	N	N	N	221
Government owned	776	668	80	Q	Q	Q	27
Federal	33	27	6	Q	Q	Q	N
State	185	164	17	Q	Q	N	Q
Local	558	477	58	Q	Q	Q	22
Party responsible for operation and maintenance of energy systems							
Building owner	4,715	3,654	670	99	42	21	229
Business owner or tenant	724	466	173	39	24	5	Q
Property management	54	37	Q	Q	Q	Q	Q
Other	64	48	Q	Q	Q	Q	Q
Provider of direct input on energy-related equipment purchases							
Building owner	4,876	3,733	716	119	50	24	235
Business owner or tenant	540	370	119	21	16	2	Q
Property management	35	26	Q	Q	Q	Q	N
Other	106	76	23	Q	Q	Q	Q
Campus or complex activity							
Not part of a campus or complex	3,683	2,753	605	86	36	10	192
Primary or secondary school	237	228	Q	N	Q	N	Q
College or university	84	76	6	Q	N	Q	Q
Office complex	154	75	56	13	5	1	Q
Retail complex	258	157	55	25	13	4	Q
Storage complex	314	255	20	Q	Q	Q	Q
Religious campus or complex	197	184	Q	N	N	N	Q
Health care complex	52	33	16	Q	Q	Q	Q
Lodging or resort complex	65	59	Q	Q	Q	Q	Q
Transportation complex	35	22	Q	Q	Q	Q	N
Government complex	104	87	15	Q	N	Q	Q
Other	371	276	61	10	Q	Q	Q
Energy sources (more than one may apply)							
Electricity	5,234	4,079	862	136	66	19	72
Natural gas	2,933	2,244	514	91	47	11	26
Fuel oil	467	356	89	7	4	5	Q
District heat	48	36	8	Q	Q	1	Q
District chilled water	54	46	5	Q	Q	Q	Q
Propane	510	430	75	Q	Q	Q	Q
Other	172	137	29	Q	Q	Q	Q

Table B19. Number of establishments in building, number of buildings, 2012

Number of buildings (thousand)							
Number of establishments in building							
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Energy end uses (more than one may apply)							
Buildings with space heating	4,722	3,646	816	132	60	18	51
Buildings with cooling	4,461	3,414	807	134	60	18	28
Buildings with water heating	4,423	3,391	794	130	62	19	27
Buildings with cooking	1,589	1,262	232	46	31	11	Q
Buildings with manufacturing	259	187	48	Q	Q	Q	N
Buildings with electricity generation	410	303	84	10	7	5	Q
Percent of floorspace heated							
Not heated	835	559	47	Q	Q	Q	197
1 to 50	697	524	135	18	Q	Q	Q
51 to 99	727	528	129	43	14	8	Q
100	3,298	2,594	551	71	37	8	37
Percent of floorspace cooled							
Not cooled	1,096	791	55	Q	Q	Q	220
1 to 50	1,173	888	246	24	Q	Q	Q
51 to 99	897	655	151	51	25	9	Q
100	2,391	1,870	410	59	26	7	Q
Percent lit when open							
Zero	70	56	Q	Q	Q	N	N
1 to 50	1,099	870	206	16	Q	Q	N
51 to 99	1,666	1,200	323	88	43	12	N
100	2,222	1,854	321	30	11	6	N
Building never open/electricity not used	501	226	Q	Q	Q	Q	248
Percent lit during off hours							
Zero	2,489	2,056	349	22	Q	Q	49
1 to 50	2,441	1,782	463	104	53	15	22
51 to 100	202	161	32	6	Q	1	N
Building always open with no "off hours"	102	80	19	Q	Q	Q	N
Electricity not used	323	126	N	Q	Q	Q	176
Heating equipment (more than one may apply)							
Heat pumps	628	474	101	35	11	3	Q
Furnaces	755	560	142	29	9	Q	Q
Individual space heaters	1,247	954	235	31	15	3	Q
District heat	48	36	8	Q	Q	1	Q
Boilers	544	408	98	19	10	5	Q
Packaged heating units	2,802	2,101	514	100	49	13	25
Other	62	43	Q	Q	Q	Q	Q

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Cooling equipment (more than one may apply)							
Residential-type central air conditioners	1,546	1,189	272	55	17	5	Q
Heat pumps	692	519	115	36	14	3	Q
Individual air conditioners	709	544	140	12	6	2	Q
District chilled water	54	46	5	Q	Q	Q	Q
Central chillers	163	112	33	7	5	4	Q
Packaged air conditioning units	1,909	1,376	388	81	44	11	Q
Swamp coolers	109	91	14	Q	Q	Q	N
Other	Q	Q	Q	N	Q	Q	N
Main equipment replaced since 1990 (more than one may apply)							
Heating	1,874	1,441	315	70	23	9	Q
Cooling	1,971	1,500	347	75	28	9	Q
Water-heating equipment							
Centralized system	3,348	2,694	540	65	24	5	21
Distributed system	690	479	167	27	11	5	Q
Combination of centralized and distributed system	385	219	87	38	27	9	Q
Lighting equipment types (more than one may apply)							
Incandescent	1,826	1,326	365	77	41	11	Q
Standard fluorescent	4,649	3,603	816	131	60	18	22
Compact fluorescent	2,302	1,716	414	102	49	17	Q
High-intensity discharge (HID)	525	357	102	35	22	7	Q
Halogen	905	626	185	51	30	13	Q
LED	473	293	96	44	29	11	Q
Other	10	Q	Q	Q	Q	Q	N
Refrigeration equipment (more than one may apply)							
Any refrigeration	3,984	3,083	712	103	54	15	Q
Walk-in units	811	600	129	41	29	10	Q
Cases or cabinets	915	687	140	44	32	9	Q
Large cold storage areas	78	55	12	Q	4	2	N
Commercial ice makers	846	635	131	39	26	10	Q
Residential-type or compact units	3,388	2,585	628	97	52	14	Q
Vending machines	960	679	186	46	33	13	Q
No refrigeration	1,573	1,122	150	44	Q	Q	232

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Office equipment (more than one may apply)							
Desktop computers	3,977	2,981	780	133	62	19	Q
With flat screen monitors	3,847	2,870	761	133	62	19	Q
With multiple monitors	911	557	233	71	38	11	N
Laptop computers	2,730	1,913	611	125	61	18	Q
Dedicated servers	1,748	1,189	401	96	45	15	Q
Laser printers	2,339	1,657	523	97	48	15	Q
Inkjet printers	2,187	1,684	395	73	27	8	Q
FAX machines	3,185	2,315	671	123	55	18	Q
Photocopiers	2,163	1,550	458	88	49	15	Q
Number of desktop computers							
None	1,581	1,224	83	Q	Q	Q	245
1 to 4	2,039	1,703	314	Q	Q	Q	Q
5 to 9	821	590	193	34	Q	Q	N
10 to 19	482	287	137	41	18	Q	N
20 to 49	355	214	85	29	19	7	Q
50 to 99	143	95	28	9	9	2	N
100 to 249	92	65	16	4	3	4	N
250 or more	44	28	6	4	2	4	N
Number of laptop computers							
None	2,827	2,292	251	22	Q	Q	246
1 to 4	1,944	1,446	445	41	Q	Q	Q
5 to 9	350	193	88	52	16	Q	N
10 to 19	181	94	38	18	25	6	N
20 to 49	144	96	27	9	7	5	N
50 to 99	58	45	6	Q	2	3	N
100 to 249	35	26	4	Q	1	2	N
250 or more	20	14	3	1	1	1	N
Number of dedicated servers							
None	3,809	3,016	461	50	23	Q	248
1 to 4	1,562	1,102	346	79	30	4	Q
5 to 9	97	41	30	13	9	4	N
10 to 19	50	23	15	3	4	5	N
20 to 49	25	16	6	Q	1	2	N
50 or more	13	7	4	Q	Q	1	N
Number of photocopiers							
None	3,394	2,655	405	58	19	Q	245
One	1,325	1,040	241	31	10	Q	Q
2 to 4	648	417	177	30	21	3	N
5 to 9	116	58	24	18	10	5	N
10 or more	75	36	16	9	8	6	N

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Number of TVs or video displays							
None	2,718	2,047	354	46	Q	Q	246
One	1,145	955	171	Q	Q	Q	Q
2 to 4	1,035	745	229	44	13	Q	Q
5 to 9	314	217	62	27	7	Q	N
10 to 19	154	98	25	10	18	3	N
20 to 49	106	72	12	6	10	7	N
50 to 99	48	40	5	Q	Q	2	N
100 or more	37	31	4	(*)	(*)	1	N
Food preparation or serving areas in non-food service buildings (more than one may apply)							
Snack bar or concession stand	153	101	31	10	7	4	N
Fast food or small restaurant	173	52	55	33	26	8	N
Cafeteria or large restaurant	130	95	18	9	5	2	N
Commercial kitchen/food preparation area	282	214	42	10	9	5	Q
Small kitchen area	736	605	98	13	11	3	Q
Separate computer areas (more than one may apply)							
Data center or server farm	97	60	29	4	2	2	N
Computer-based training room	244	164	56	11	9	4	N
Student or public computer center	238	183	32	12	9	3	N
HVAC conservation features (more than one may apply)							
Economizer cycle	601	427	119	29	16	7	Q
Regular HVAC maintenance	3,178	2,413	554	107	57	18	29
Building automation system (BAS) ²	781	579	128	33	26	11	Q
Window and interior lighting features (more than one may apply)							
Multipaned windows	3,012	2,240	520	105	46	15	86
Tinted window glass	1,875	1,318	352	92	50	15	49
Reflective window glass	549	380	97	41	20	7	Q
External overhangs or awnings	1,867	1,349	345	87	37	10	40
Skylights or atriums	591	394	121	33	25	6	Q
Light scheduling	918	617	177	70	38	13	Q
Occupancy sensors	813	551	160	55	33	14	Q
Multi-level lighting or dimming	349	220	63	34	23	9	Q
Daylight harvesting	125	85	19	7	9	2	Q
Demand responsive lighting	176	108	33	21	11	3	N
Building automation system (BAS) for lighting ²	208	121	40	21	18	8	Q

Table B19. Number of establishments in building, number of buildings, 2012

	Number of buildings (thousand)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	5,557	4,205	862	147	68	27	248
Equipment usage reduced when building not in full use (more than one may apply)							
Heating	3,699	2,802	671	121	54	15	36
Cooling	3,517	2,645	661	123	55	16	16
Lighting	4,757	3,729	820	130	59	18	N

¹These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

²In earlier CBECS publications, BAS was referred to as *Energy Management and Control System (EMCS)*.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.

N = No cases in reporting sample.

(*) = Value rounds to zero in the units displayed.

Notes: ● Because of rounding, data may not sum to totals. ● See *Guide to the 2012 CBECS Detailed Tables* or *CBECS Terminology* for definition of terms used in these tables and/or comparison of differences with prior CBECS tables. Both references can be accessed from <http://www.eia.gov/consumption/commercial/data/2012/>

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-871A of the 2012 Commercial Buildings Energy Consumption Survey.