

Table B6. Building size, number of buildings, 2012

Number of buildings (thousand)

	Building size								
	All buildings	1,001 to 5,000 square feet	5,001 to 10,000 square feet	10,001 to 25,000 square feet	25,001 to 50,000 square feet	50,001 to 100,000 square feet	100,001 to 200,000 square feet	200,001 to 500,000 square feet	Over 500,000 square feet
All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Principal building activity									
Education	389	143	51	75	41	48	22	9	Q
Food sales	177	126	Q	Q	Q	Q	Q	N	N
Food service	380	267	89	24	Q	Q	N	N	N
Health care	157	81	33	21	8	8	2	3	1
Inpatient	10	N	N	Q	Q	3	1	2	1
Outpatient	147	81	33	21	7	5	Q	1	Q
Lodging	158	34	28	44	21	20	8	3	1
Mercantile	602	250	143	116	45	26	16	5	1
Retail (other than mall)	438	227	97	75	22	Q	9	Q	Q
Enclosed and strip malls	164	Q	46	42	22	20	7	3	1
Office	1,012	532	230	129	66	32	15	6	3
Public assembly	352	162	77	73	24	9	4	2	1
Public order and safety	84	Q	28	Q	Q	Q	Q	Q	Q
Religious worship	412	174	111	90	28	7	Q	Q	N
Service	619	372	143	78	19	Q	Q	Q	Q
Warehouse and storage	796	380	180	142	49	24	13	7	1
Other	125	59	Q	Q	Q	Q	Q	Q	Q
Vacant	296	165	59	47	14	9	Q	Q	Q
Year constructed									
Before 1920	362	210	77	50	13	7	3	Q	Q
1920 to 1945	488	291	83	71	26	9	6	2	1
1946 to 1959	599	352	112	81	24	18	7	4	(*)
1960 to 1969	639	290	158	109	40	26	10	5	1
1970 to 1979	684	336	148	118	45	22	10	4	1
1980 to 1989	915	415	231	152	66	26	14	9	2
1990 to 1999	845	425	197	119	44	39	14	6	1
2000 to 2003	375	178	72	70	24	15	13	2	1
2004 to 2007	347	162	73	54	28	22	5	3	1
2008 to 2012	303	119	78	57	22	16	9	2	Q
Census region									
Northeast	805	372	171	152	47	36	18	8	2
Midwest	1,237	645	257	183	83	40	18	10	2
South	2,247	1,159	491	327	127	88	37	13	3
West	1,267	601	310	221	75	34	17	7	1
Climate region¹									
Very cold/Cold	2,031	1,002	442	344	122	71	31	16	3
Mixed-humid	1,743	930	365	246	89	69	30	12	3
Mixed-dry/Hot-dry	837	370	225	150	54	22	12	5	1
Hot-humid	799	400	169	119	58	32	15	4	1
Marine	147	Q	29	24	10	6	2	1	Q

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Number of floors									
One	3,836	2,195	836	519	161	81	32	10	1
Two	1,158	423	301	254	100	54	18	7	1
Three	374	137	74	78	46	24	12	3	Q
Four to nine	177	Q	Q	32	24	39	26	12	2
Ten or more	13	N	N	N	Q	Q	3	6	3
Elevators and escalators (more than one may apply)									
Any elevators	405	Q	42	94	86	85	53	26	6
Number of elevators									
One	272	Q	39	91	64	41	17	5	Q
Two to five	118	N	Q	Q	21	43	33	13	1
Six or more	16	N	N	N	Q	Q	2	8	5
Any escalators	10	N	N	Q	N	Q	Q	1	3
Number of workers (main shift)									
Fewer than 5	2,892	1,984	550	279	52	21	5	Q	Q
5 to 9	1,085	547	331	159	39	7	Q	Q	Q
10 to 19	731	217	239	195	58	17	4	Q	Q
20 to 49	513	30	108	202	100	56	14	2	Q
50 to 99	206	N	Q	41	64	62	32	6	Q
100 to 249	93	N	N	Q	18	33	19	15	1
250 or more	37	N	N	Q	Q	4	13	12	6
Weekly operating hours									
Fewer than 40	1,149	746	216	139	34	10	3	Q	Q
40 to 48	1,346	750	298	180	58	40	16	4	Q
49 to 60	1,244	496	338	239	91	53	18	8	1
61 to 84	764	309	161	161	73	35	17	8	2
85 to 167	479	251	80	69	32	24	15	5	1
Open continuously	575	226	137	95	45	37	20	12	4
Ownership and occupancy									
Nongovernment owned	4,781	2,435	1,101	753	265	130	65	27	6
Owner occupied	2,466	1,311	570	377	114	52	31	11	2
Leased to tenant(s)	1,745	881	402	260	103	59	26	11	3
Owner occupied and leased	349	108	88	85	38	16	7	5	2
Unoccupied	221	135	41	30	Q	Q	Q	Q	Q
Government owned	776	342	129	131	67	69	25	11	2
Federal	33	Q	Q	Q	Q	Q	Q	Q	1
State	185	81	Q	37	17	20	10	4	Q
Local	558	252	104	88	45	47	15	7	1

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Predominant roof material									
Metal surfacing	1,672	918	419	235	55	31	10	2	Q
Synthetic or rubber	911	327	185	178	101	67	32	18	3
Built-up	836	330	159	163	84	57	28	12	3
Slate or tile shingles	406	227	99	50	19	7	Q	Q	Q
Wooden materials (including shingles)	157	99	37	16	Q	Q	Q	Q	N
Asphalt, fiberglass, or other shingles	1,483	852	312	213	64	29	10	2	1
Concrete	51	Q	Q	Q	Q	Q	3	Q	Q
Other	24	Q	Q	Q	Q	Q	Q	Q	Q
No one major type	18	Q	Q	Q	Q	Q	Q	Q	Q
Roof characteristics									
Roof tilt									
Flat	1,960	766	390	382	194	131	63	29	6
Shallow pitch	2,148	1,212	491	285	88	43	21	7	2
Steeper pitch	1,449	799	348	217	50	26	6	1	1
Cool roof	740	314	141	143	57	43	24	16	3
Renovations in buildings constructed before 2008 (more than one may apply)									
Any type of renovation	2,094	945	471	353	152	100	44	24	5
Addition or annex	444	158	102	80	44	34	14	10	2
Reduction in floorspace	71	32	Q	Q	Q	Q	Q	1	(*)
Roof replacement	987	446	225	171	61	47	19	14	3
Exterior wall replacement	194	104	32	31	12	8	4	2	1
Interior wall reconfiguration	889	390	185	150	73	51	21	14	3
Window replacement	560	246	119	99	45	31	11	7	2
HVAC equipment upgrade	1,101	443	246	205	93	62	30	17	4
Lighting upgrade	982	405	221	166	80	62	27	18	4
Electrical upgrade	747	358	154	120	49	37	15	11	3
Plumbing system upgrade	644	308	139	95	48	34	8	10	2
Insulation upgrade	382	180	78	68	27	19	6	4	1
Fire, safety, or security upgrade	616	250	133	106	53	42	16	12	3
Structural upgrade	152	59	36	30	Q	10	3	2	1
Other	39	Q	Q	Q	Q	Q	Q	Q	Q
No renovations	3,160	1,713	680	473	159	84	37	12	2
Buildings constructed 2008 or later	303	119	78	57	22	16	9	2	Q

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Energy sources (more than one may apply)									
Electricity	5,234	2,556	1,171	852	326	195	90	37	8
Natural gas	2,933	1,253	660	548	227	142	67	29	6
Fuel oil	467	204	74	67	39	39	19	18	6
District heat	48	Q	Q	Q	6	10	9	5	2
District chilled water	54	Q	Q	9	Q	10	9	4	1
Propane	510	252	134	74	24	14	8	3	1
Other	172	69	41	31	16	8	4	3	1
Space-heating energy sources (more than one may apply)									
Electricity	2,858	1,379	606	482	189	123	54	21	4
Natural gas	2,612	1,115	595	494	203	121	54	25	4
Fuel oil	270	148	49	42	15	9	4	2	(*)
District heat	48	Q	Q	Q	6	10	9	5	2
Propane	342	180	96	51	9	Q	Q	Q	Q
Other	101	48	29	Q	Q	Q	Q	Q	Q
Primary space-heating energy source									
Electricity	1,819	928	398	280	106	70	27	8	2
Natural gas	2,322	1,025	520	433	174	97	48	23	4
Fuel oil	205	119	37	32	Q	6	2	Q	Q
District heat	47	Q	Q	Q	6	10	9	5	2
Propane	261	146	70	35	Q	Q	Q	Q	N
Other	67	35	Q	Q	Q	Q	Q	Q	N
Cooling energy sources (more than one may apply)									
Electricity	4,413	2,054	996	764	296	179	81	35	7
Natural gas	12	Q	Q	Q	Q	Q	Q	Q	(*)
District chilled water	54	Q	Q	9	Q	10	9	4	1
Water-heating energy sources (more than one may apply)									
Electricity	2,658	1,304	594	431	167	94	46	18	4
Natural gas	1,758	684	384	351	157	109	49	21	4
Fuel oil	77	Q	Q	Q	Q	Q	2	1	(*)
District heat	25	Q	Q	Q	Q	6	6	4	2
Propane	142	58	47	26	Q	Q	Q	Q	Q
Cooking energy sources (more than one may apply)									
Electricity	1,010	441	225	167	63	63	31	16	4
Natural gas	740	265	168	126	64	62	33	18	4
Propane	144	77	37	17	Q	6	Q	Q	Q

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Energy end uses (more than one may apply)									
Buildings with space heating	4,722	2,257	1,046	797	304	187	86	36	8
Buildings with cooling	4,461	2,062	1,004	774	302	187	88	37	8
Buildings with water heating	4,423	2,032	992	775	307	186	86	36	8
Buildings with cooking	1,589	673	376	257	108	96	48	25	6
Buildings with manufacturing	259	86	75	51	28	11	5	2	Q
Buildings with electricity generation	410	92	77	64	55	58	35	22	6
Percent of floorspace heated									
Not heated	835	520	183	86	28	12	4	Q	Q
1 to 50	697	301	186	143	36	19	8	4	1
51 to 99	727	299	184	135	47	36	16	8	2
100	3,298	1,657	676	520	221	133	63	24	5
Percent of floorspace cooled									
Not cooled	1,096	716	225	110	30	13	Q	Q	Q
1 to 50	1,173	465	308	248	89	36	17	8	1
51 to 99	897	310	236	173	76	58	25	15	3
100	2,391	1,286	459	352	137	92	46	15	3
Percent lit when open									
Zero	70	54	Q	Q	Q	N	N	Q	N
1 to 50	1,099	564	259	182	54	29	8	3	Q
51 to 99	1,666	638	418	331	126	92	40	18	3
100	2,222	1,196	436	317	141	72	41	16	4
Building never open/electricity not used	501	326	105	49	Q	Q	Q	Q	Q
Percent lit during off hours									
Zero	2,489	1,381	590	359	95	38	21	4	1
1 to 50	2,441	1,035	521	448	211	138	57	26	5
51 to 100	202	90	42	25	15	15	8	5	1
Building always open with no "off hours"	102	50	Q	20	Q	Q	3	2	(*)
Electricity not used	323	222	58	31	Q	Q	Q	Q	Q
Heating equipment (more than one may apply)									
Heat pumps	628	286	147	93	46	39	12	5	1
Furnaces	755	359	194	140	40	15	5	2	(*)
Individual space heaters	1,247	612	281	195	84	41	21	11	2
District heat	48	Q	Q	Q	6	10	9	5	2
Boilers	544	128	99	123	75	69	31	17	3
Packaged heating units	2,802	1,259	628	511	202	120	55	21	4
Other	62	Q	Q	Q	Q	8	Q	Q	Q

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Cooling equipment (more than one may apply)									
Residential-type central air conditioners	1,546	796	403	246	72	21	7	2	Q
Heat pumps	692	321	168	91	52	41	13	5	1
Individual air conditioners	709	362	136	116	46	29	12	7	1
District chilled water	54	Q	Q	9	Q	10	9	4	1
Central chillers	163	Q	Q	36	29	36	23	18	5
Packaged air conditioning units	1,909	697	418	407	181	124	54	24	5
Swamp coolers	109	58	Q	Q	Q	7	Q	Q	Q
Other	Q	Q	N	Q	Q	Q	Q	Q	Q
Main equipment replaced since 1990 (more than one may apply)									
Heating	1,874	916	427	314	114	64	26	11	2
Cooling	1,971	952	454	329	124	67	28	15	3
Water-heating equipment									
Centralized system	3,348	1,653	789	538	198	103	45	17	4
Distributed system	690	322	120	143	57	28	13	5	1
Combination of centralized and distributed system	385	57	82	93	51	55	29	14	3
Lighting equipment types (more than one may apply)									
Incandescent	1,826	824	396	311	135	89	45	20	5
Standard fluorescent	4,649	2,192	1,045	786	308	189	85	37	8
Compact fluorescent	2,302	925	517	427	194	138	65	30	7
High-intensity discharge	525	106	99	140	74	53	30	17	5
Halogen	905	299	201	181	96	71	34	18	5
LED	473	108	94	112	61	48	28	17	5
Other	10	Q	Q	Q	Q	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)									
Any refrigeration	3,984	1,815	903	688	276	177	82	35	8
Walk-in units	811	344	150	116	60	73	40	22	5
Cases or cabinets	915	379	185	142	75	69	38	22	5
Large cold storage areas	78	Q	Q	Q	Q	9	6	4	1
Commercial ice makers	846	279	172	147	82	90	44	25	6
Residential-type or compact units	3,388	1,520	791	585	239	150	68	29	7
Vending machines	960	182	167	236	153	117	66	31	7
No refrigeration	1,573	962	326	196	56	22	8	2	Q

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Office equipment (more than one may apply)									
Desktop computers	3,977	1,705	916	736	298	189	86	37	8
With flat screen monitors	3,847	1,627	879	727	296	187	86	37	8
With multiple monitors	911	250	220	201	100	78	36	20	6
Laptop computers	2,730	1,031	637	540	250	158	72	34	8
Dedicated servers	1,748	526	394	378	198	144	68	33	7
Laser printers	2,339	890	540	464	206	140	65	27	7
Inkjet printers	2,187	992	538	378	144	78	38	17	3
FAX machines	3,185	1,308	730	602	262	164	80	32	7
Photocopiers	2,163	700	468	492	231	156	75	33	7
Number of desktop computers									
None	1,581	1,072	313	147	34	10	4	Q	Q
1 to 4	2,039	1,197	478	287	52	17	8	Q	N
5 to 9	821	358	237	152	52	16	6	Q	Q
10 to 19	482	133	122	130	56	29	10	2	Q
20 to 49	355	Q	76	122	69	48	17	6	1
50 to 99	143	Q	Q	40	49	32	11	6	1
100 to 249	92	N	Q	Q	19	39	19	7	2
250 or more	44	N	N	N	Q	9	15	15	5
Number of laptop computers									
None	2,827	1,746	592	344	82	41	18	4	Q
1 to 4	1,944	942	497	357	94	36	14	4	Q
5 to 9	350	77	99	83	54	25	9	2	Q
10 to 19	181	Q	32	51	43	28	11	5	1
20 to 49	144	Q	Q	33	42	37	14	6	1
50 to 99	58	N	N	Q	13	17	10	3	1
100 to 249	35	N	N	Q	Q	11	10	6	1
250 or more	20	N	N	Q	Q	Q	5	7	3
Number of dedicated servers									
None	3,809	2,251	835	506	134	55	22	5	1
1 to 4	1,562	517	382	338	163	105	42	13	2
5 to 9	97	Q	Q	28	18	18	10	6	1
10 to 19	50	Q	Q	Q	12	10	10	6	1
20 to 49	25	N	Q	Q	Q	7	3	4	1
50 or more	13	N	Q	N	Q	Q	4	4	2
Number of photocopiers									
None	3,394	2,077	761	392	101	43	15	4	1
One	1,325	590	322	275	81	37	17	2	Q
2 to 4	648	105	135	192	105	73	29	9	1
5 to 9	116	Q	Q	20	34	26	14	9	1
10 or more	75	Q	Q	Q	11	20	15	13	5

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Number of TVs or video displays									
None	2,718	1,637	578	343	101	39	15	4	1
One	1,145	661	265	159	38	14	6	Q	Q
2 to 4	1,035	368	280	231	98	40	14	5	Q
5 to 9	314	92	77	72	30	28	11	4	1
10 to 19	154	Q	Q	39	28	32	13	5	1
20 to 49	106	Q	Q	27	23	23	15	7	1
50 to 99	48	N	Q	Q	10	9	9	5	1
100 or more	37	N	N	Q	Q	13	7	7	3
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar or concession stand	153	43	32	24	13	14	15	8	3
Fast food or small restaurant	173	38	39	33	20	19	14	8	3
Cafeteria or large restaurant	130	Q	Q	13	24	45	23	13	4
Commercial kitchen/food preparation area	282	38	51	72	39	43	22	13	3
Small kitchen area	736	316	187	132	48	30	14	7	2
Separate computer areas (more than one may apply)									
Data center or server farm	97	Q	Q	Q	18	15	13	12	4
Computer-based training room	244	31	29	52	43	42	27	16	4
Student or public computer center	238	30	35	48	38	49	25	13	1
HVAC conservation features (more than one may apply)									
Economizer cycle	601	128	95	137	82	83	46	25	5
Regular HVAC maintenance	3,178	1,286	706	614	277	169	82	36	8
Building automation system (BAS) ²	781	197	130	163	94	101	62	28	6
Window and interior lighting features (more than one may apply)									
Multipaned windows	3,012	1,278	708	531	236	154	68	30	6
Tinted window glass	1,875	722	410	360	184	114	55	26	5
Reflective window glass	549	183	129	107	53	45	19	10	2
External overhangs or awnings	1,867	855	448	321	114	78	33	15	3
Skylights or atriums	591	138	146	144	62	52	31	15	4
Light scheduling	918	304	188	182	102	77	40	19	5
Occupancy sensors	813	172	153	196	110	99	54	24	6
Multi-level lighting or dimming	349	78	78	72	47	39	19	13	2
Daylight harvesting	125	39	Q	26	16	14	10	4	1
Demand responsive lighting	176	55	44	38	19	9	7	3	1
Building automation system (BAS) for lighting ²	208	42	35	43	27	30	19	9	3

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All buildings	5,557	2,777	1,229	884	332	199	90	38	8
Equipment usage reduced when building not in full use (more than one may apply)									
Heating	3,699	1,737	842	624	242	149	71	28	6
Cooling	3,517	1,604	813	610	236	148	73	28	6
Lighting	4,757	2,281	1,072	796	303	180	84	34	7

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.