

Release date: February 2015

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**Table B8. Year constructed, number of buildings, 2012**

	Number of buildings (thousand)								
	Year constructed								
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012
<b>All buildings</b>	5,557	850	599	639	684	915	845	722	303
<b>Building floorspace (square feet)</b>									
1,001 to 5,000	2,777	502	352	290	336	415	425	339	119
5,001 to 10,000	1,229	160	112	158	148	231	197	145	78
10,001 to 25,000	884	121	81	109	118	152	119	124	57
25,001 to 50,000	332	39	24	40	45	66	44	52	22
50,001 to 100,000	199	16	18	26	22	26	39	37	16
100,001 to 200,000	90	8	7	10	10	14	14	18	9
200,001 to 500,000	38	3	4	5	4	9	6	5	2
Over 500,000	8	1	(*)	1	1	2	1	1	Q
<b>Principal building activity</b>									
Education	389	40	48	61	38	47	64	70	21
Food sales	177	Q	Q	Q	Q	30	40	Q	Q
Food service	380	70	39	36	50	54	65	42	Q
Health care	157	15	12	17	28	34	22	19	10
Inpatient	10	Q	1	1	3	1	1	1	1
Outpatient	147	Q	Q	17	25	33	20	18	Q
Lodging	158	16	17	27	24	24	25	16	9
Mercantile	602	102	59	64	83	98	77	81	38
Retail (other than mall)	438	100	47	45	45	66	56	55	25
Enclosed and strip malls	164	Q	12	19	38	32	21	26	Q
Office	1,012	170	111	102	132	192	139	123	44
Public assembly	352	86	45	39	37	37	51	34	23
Public order and safety	84	Q	Q	Q	Q	Q	16	Q	Q
Religious worship	412	85	57	52	52	58	40	55	Q
Service	619	87	67	94	78	99	97	67	30
Warehouse and storage	796	73	55	65	88	160	163	134	58
Other	125	Q	Q	Q	Q	25	24	25	Q
Vacant	296	75	64	33	32	43	21	Q	Q
<b>Census region</b>									
Northeast	805	237	96	100	75	86	90	83	38
Midwest	1237	247	110	159	160	172	203	130	57
South	2247	232	229	232	274	427	385	322	147
West	1267	134	164	148	176	231	168	187	61
<b>Climate region<sup>1</sup></b>									
Very cold/Cold	2,031	425	205	229	257	275	309	229	100
Mixed-humid	1,743	273	187	193	202	274	289	224	102
Mixed-dry/Hot-dry	837	75	129	105	104	153	84	135	Q
Hot-humid	799	55	62	89	106	185	143	120	38
Marine	147	21	Q	Q	Q	Q	19	Q	Q

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<b>Number of floors</b>									
One	3,836	317	419	423	515	699	690	538	235
Two	1,158	252	130	170	136	171	109	149	41
Three	374	198	32	27	20	27	31	24	15
Four to nine	177	80	18	18	11	15	13	10	11
Ten or more	13	3	1	2	2	3	1	1	Q
<b>Elevators and escalators (more than one may apply)</b>									
Any elevators	405	79	28	46	41	53	54	66	37
Number of elevators									
One	272	63	17	32	28	28	36	46	22
Two to five	118	15	10	11	12	21	17	18	14
Six or more	16	2	1	2	2	3	2	2	1
Any escalators	10	Q	Q	1	1	1	1	1	Q
<b>Number of workers (main shift)</b>									
Fewer than 5	2,892	558	380	316	329	435	421	329	123
5 to 9	1,085	146	96	133	145	178	168	143	76
10 to 19	731	68	59	81	107	131	124	111	50
20 to 49	513	48	32	68	65	105	85	80	30
50 to 99	206	18	25	26	21	38	30	34	13
100 to 249	93	8	6	12	12	19	12	18	7
250 or more	37	4	2	2	6	9	6	6	2
<b>Weekly operating hours</b>									
Fewer than 40	1,149	275	172	113	147	151	147	112	32
40 to 48	1,346	219	154	173	159	227	190	173	52
49 to 60	1,244	138	126	147	156	238	189	168	81
61 to 84	764	112	66	96	93	114	124	108	51
85 to 167	479	53	44	46	59	77	87	73	39
Open continuously	575	52	38	63	70	108	108	88	48
<b>Ownership and occupancy</b>									
Nongovernment owned	4,781	734	514	528	596	805	731	612	260
Owner occupied	2,466	434	258	264	311	344	386	327	143
Leased to tenant(s)	1,745	208	164	199	219	350	283	231	90
Owner occupied and leased	349	44	38	36	39	80	51	41	21
Unoccupied	221	49	54	29	27	Q	Q	Q	Q
Government owned	776	116	85	111	88	110	114	110	42
Federal	33	Q	Q	Q	Q	Q	3	Q	N
State	185	24	25	36	24	24	18	23	Q
Local	558	87	60	68	59	78	93	80	33





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<b>Energy sources (more than one may apply)</b>									
Electricity	5,234	795	554	609	651	856	762	711	296
Natural gas	2,933	490	334	401	406	431	407	326	138
Fuel oil	467	100	53	75	58	50	51	53	27
District heat	48	12	5	9	10	2	3	6	Q
District chilled water	54	Q	Q	11	9	3	10	11	Q
Propane	510	80	49	54	62	52	89	92	31
Other	172	38	15	20	24	21	19	19	Q
<b>Space-heating energy sources (more than one may apply)</b>									
Electricity	2,858	356	320	308	370	513	398	413	182
Natural gas	2,612	452	310	357	353	383	352	279	126
Fuel oil	270	78	39	52	21	19	23	28	Q
District heat	48	12	5	9	10	2	3	6	Q
Propane	342	60	32	27	48	36	59	58	Q
Other	101	26	Q	Q	Q	Q	Q	Q	Q
<b>Primary space-heating energy source</b>									
Electricity	1,819	181	187	161	219	363	269	306	133
Natural gas	2,322	424	266	326	311	336	320	237	103
Fuel oil	205	65	29	37	Q	Q	20	Q	Q
District heat	47	12	5	9	10	2	2	6	Q
Propane	261	40	Q	Q	34	28	56	42	Q
Other	67	Q	Q	Q	Q	Q	Q	Q	Q
<b>Cooling energy sources (more than one may apply)</b>									
Electricity	4,413	639	472	528	555	727	654	606	232
Natural gas	12	Q	Q	Q	Q	Q	Q	Q	Q
District chilled water	54	Q	Q	11	9	3	10	11	Q
<b>Water-heating energy sources (more than one may apply)</b>									
Electricity	2,658	360	267	278	342	495	377	393	145
Natural gas	1,758	280	189	269	245	243	249	200	83
Fuel oil	77	28	Q	14	Q	Q	Q	Q	Q
District heat	25	7	2	5	4	1	2	Q	Q
Propane	142	Q	Q	Q	Q	21	30	22	Q
<b>Cooking energy sources (more than one may apply)</b>									
Electricity	1,010	166	109	108	130	148	145	144	60
Natural gas	740	118	96	105	93	103	113	78	34
Propane	144	Q	19	Q	14	9	27	31	Q

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<b>Energy end uses (more than one may apply)</b>									
Buildings with space heating	4,722	736	517	559	599	754	675	613	270
Buildings with cooling	4,461	641	477	538	563	730	663	613	235
Buildings with water heating	4,423	669	460	540	577	727	631	587	231
Buildings with cooking	1,589	269	189	188	195	221	232	210	84
Buildings with manufacturing	259	34	21	25	32	51	31	48	Q
Buildings with electricity generation	410	36	24	57	60	59	63	69	42
<b>Percent of floorspace heated</b>									
Not heated	835	114	83	80	85	161	170	109	33
1 to 50	697	107	81	74	101	134	101	69	30
51 to 99	727	144	85	82	76	121	94	87	37
100	3,298	484	350	403	421	500	480	457	203
<b>Percent of floorspace cooled</b>									
Not cooled	1,096	209	122	100	121	185	182	109	68
1 to 50	1,173	199	141	136	148	203	157	138	51
51 to 99	897	161	93	106	109	130	128	124	46
100	2,391	281	243	297	306	397	378	352	137
<b>Percent lit when open</b>									
Zero	70	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	1,099	236	130	123	124	179	120	135	52
51 to 99	1,666	243	183	217	232	249	223	226	92
100	2,222	264	208	258	268	399	387	307	130
Building never open/electricity not used	501	102	74	42	58	77	108	Q	Q
<b>Percent lit during off hours</b>									
Zero	2,489	417	288	258	281	407	367	335	135
1 to 50	2,441	357	247	312	333	393	335	321	143
51 to 100	202	21	17	32	22	32	44	29	5
Building always open with no "off hours"	102	Q	Q	Q	14	24	17	26	Q
Electricity not used	323	55	45	Q	34	59	83	Q	Q
<b>Heating equipment (more than one may apply)</b>									
Heat pumps	628	68	70	61	57	126	102	99	46
Furnaces	755	112	76	88	107	138	118	81	36
Individual space heaters	1,247	249	170	160	185	167	139	117	60
District heat	48	12	5	9	10	2	3	6	Q
Boilers	544	132	75	91	59	49	50	60	28
Packaged heating units	2,802	382	283	343	370	442	421	397	163
Other	62	Q	Q	Q	Q	Q	11	Q	Q

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<b>Cooling equipment (more than one may apply)</b>									
Residential-type central air conditioners	1,546	269	145	192	203	234	235	192	76
Heat pumps	692	69	76	71	67	137	124	98	50
Individual air conditioners	709	184	109	89	86	87	78	63	12
District chilled water	54	Q	Q	11	9	3	10	11	Q
Central chillers	163	17	18	25	21	26	22	20	15
Packaged air conditioning units	1,909	202	185	241	258	341	271	301	110
Swamp coolers	109	16	Q	13	16	13	15	13	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	N
<b>Main equipment replaced since 1990 (more than one may apply)</b>									
Heating	1,874	447	307	328	360	431	N	N	N
Cooling	1,971	463	327	358	362	462	N	N	N
<b>Water-heating equipment</b>									
Centralized system	3,348	520	356	427	435	527	498	424	161
Distributed system	690	108	78	60	87	139	86	92	39
Combination of centralized and distributed system	385	41	26	53	55	61	48	70	30
<b>Lighting equipment types (more than one may apply)</b>									
Incandescent	1,826	371	196	234	256	281	217	203	69
Standard fluorescent	4,649	660	489	574	588	787	671	632	249
Compact fluorescent	2,302	356	243	268	299	343	342	310	142
High-intensity discharge	525	54	39	73	66	98	75	90	31
Halogen	905	148	81	101	95	149	123	143	64
LED	473	67	43	50	52	80	56	74	51
Other	10	Q	N	Q	Q	Q	Q	Q	Q
<b>Refrigeration equipment (more than one may apply)</b>									
Any refrigeration	3,984	600	433	476	498	626	595	535	220
Walk-in units	811	97	71	101	115	132	132	115	48
Cases or cabinets	915	137	79	109	107	132	156	131	65
Large cold storage areas	78	Q	Q	9	7	17	14	12	Q
Commercial ice makers	846	76	75	100	101	147	160	112	74
Residential-type or compact units	3,388	529	377	410	427	528	481	451	185
Vending machines	960	70	89	138	135	169	149	148	62
No refrigeration	1,573	250	166	163	187	289	250	187	83

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<b>Office equipment (more than one may apply)</b>									
Desktop computers	3,977	553	400	495	494	675	579	563	219
With flat screen monitors	3,847	517	385	477	481	664	559	549	215
With multiple monitors	911	99	70	104	118	183	125	147	66
Laptop computers	2,730	381	271	336	349	470	377	394	152
Dedicated servers	1,748	202	167	205	233	330	239	267	106
Laser printers	2,339	312	224	297	284	400	350	342	131
Inkjet printers	2,187	291	231	278	293	359	341	279	115
FAX machines	3,185	425	324	369	410	579	473	440	164
Photocopiers	2,163	273	199	268	294	391	312	312	114
<b>Number of desktop computers</b>									
None	1,581	297	200	144	190	240	267	160	84
1 to 4	2,039	366	227	240	245	317	276	262	106
5 to 9	821	99	75	117	107	143	126	108	44
10 to 19	482	30	43	64	60	77	86	92	31
20 to 49	355	26	25	36	43	87	57	57	24
50 to 99	143	19	17	18	22	24	16	21	Q
100 to 249	92	10	8	14	11	16	10	16	6
250 or more	44	3	4	5	6	10	7	7	3
<b>Number of laptop computers</b>									
None	2,827	469	328	303	335	445	468	328	150
1 to 4	1,944	309	196	239	252	305	264	268	109
5 to 9	350	29	34	44	49	70	54	53	Q
10 to 19	181	14	18	16	18	43	24	35	12
20 to 49	144	14	13	21	17	33	19	19	Q
50 to 99	58	8	6	6	7	11	8	8	4
100 to 249	35	5	1	8	3	4	5	7	Q
250 or more	20	2	3	1	2	4	3	3	2
<b>Number of dedicated servers</b>									
None	3,809	648	433	434	451	585	607	455	197
1 to 4	1,562	186	154	190	209	284	214	233	91
5 to 9	97	7	7	8	15	25	11	16	Q
10 to 19	50	6	2	5	4	12	8	10	Q
20 to 49	25	Q	Q	1	3	7	4	4	Q
50 or more	13	1	1	Q	2	2	1	3	Q
<b>Number of photocopiers</b>									
None	3,394	577	401	371	390	524	533	410	189
One	1,325	180	143	158	188	228	185	183	61
2 to 4	648	72	41	91	84	113	105	102	41
5 to 9	116	9	9	10	13	37	12	19	Q
10 or more	75	12	5	9	9	14	11	9	6



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<b>Number of TVs or video displays</b>									
None	2,718	453	326	281	334	445	423	318	137
One	1,145	177	122	146	141	199	182	136	41
2 to 4	1,035	144	94	124	123	166	131	173	80
5 to 9	314	46	25	40	37	43	55	46	22
10 to 19	154	21	16	15	24	30	21	17	10
20 to 49	106	6	9	16	13	19	17	18	6
50 to 99	48	Q	6	8	6	5	10	8	Q
100 or more	37	1	2	8	5	7	6	6	3
<b>Food preparation or serving areas in non-food service buildings (more than one may apply)</b>									
Snack bar or concession stand	153	13	18	19	22	28	25	19	10
Fast food or small restaurant	173	8	9	29	23	29	32	28	15
Cafeteria or large restaurant	130	11	17	20	19	17	20	19	6
Commercial kitchen/food preparation area	282	36	32	39	30	38	43	47	18
Small kitchen area	736	154	96	83	90	102	92	89	29
<b>Separate computer areas (more than one may apply)</b>									
Data center or server farm	97	6	6	10	15	25	11	16	8
Computer-based training room	244	19	24	25	34	39	33	48	21
Student or public computer center	238	19	27	39	31	44	33	35	11
<b>HVAC conservation features (more than one may apply)</b>									
Economizer cycle	601	54	62	67	73	84	92	114	54
Regular HVAC maintenance	3,178	398	317	397	391	549	466	467	193
Building automation system (BAS) <sup>2</sup>	781	57	68	108	82	99	114	162	90
<b>Window and interior lighting features (more than one may apply)</b>									
Multipaned windows	3,012	389	256	315	362	490	486	497	218
Tinted window glass	1,875	172	155	203	260	370	292	305	118
Reflective window glass	549	54	48	52	60	102	80	102	51
External overhangs or awnings	1,867	251	210	248	249	287	266	246	112
Skylights or atriums	591	61	37	73	69	139	93	92	27
Light scheduling	918	87	78	100	113	150	173	143	74
Occupancy sensors	813	60	87	82	94	139	98	157	96
Multi-level lighting or dimming	349	49	29	30	43	53	42	69	34
Daylight harvesting	125	18	13	12	12	19	11	22	18
Demand responsive lighting	176	21	14	25	28	28	18	28	Q
Building automation system (BAS) for lighting <sup>2</sup>	208	4	14	18	25	29	40	46	32

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<b>Equipment usage reduced when building not in full use (more than one may apply)</b>									
Heating	3,699	573	412	451	473	595	526	453	217
Cooling	3,517	508	374	430	457	581	515	463	187
Lighting	4,757	733	503	570	598	781	690	625	257

<sup>1</sup>These 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).

<sup>2</sup>In 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.