

Table B6. Building size, number of buildings, 2012

	Number of buildings (thousand)								
	All buildings	Building size							
		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.

Table B7. Building size, floorspace, 2012

	Total floorspace (million square feet)								
	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Principal building activity									
Education	12,239	391	353	1,212	1,492	3,363	3,020	2,358	Q
Food sales	1,252	360	Q	Q	Q	Q	Q	N	N
Food service	1,819	788	640	355	Q	Q	N	N	N
Health care	4,155	268	241	364	316	529	350	859	1,227
Inpatient	2,374	N	N	Q	Q	220	196	677	1,219
Outpatient	1,781	268	241	355	263	309	Q	182	Q
Lodging	5,826	85	214	705	764	1,270	1,127	919	742
Mercantile	11,330	730	1,052	1,821	1,648	1,909	2,178	1,264	726
Retail (other than mall)	5,439	661	684	1,132	821	Q	1,169	Q	Q
Enclosed and strip malls	5,890	Q	367	689	827	1,428	1,009	805	696
Office	15,952	1,520	1,663	2,012	2,333	2,203	2,054	1,946	2,221
Public assembly	5,559	498	536	1,108	861	627	553	748	627
Public order and safety	1,440	Q	221	Q	Q	Q	Q	Q	Q
Religious worship	4,557	572	790	1,443	926	585	Q	Q	N
Service	4,630	1,031	1,051	1,253	607	Q	Q	Q	Q
Warehouse and storage	13,077	1,127	1,329	2,331	1,814	1,632	1,946	1,827	1,071
Other	2,002	156	Q	Q	Q	Q	Q	Q	Q
Vacant	3,256	404	376	791	521	641	Q	Q	Q
Year constructed									
Before 1920	3,983	640	519	771	527	471	442	Q	Q
1920 to 1945	6,025	777	635	1,152	880	569	719	579	713
1946 to 1959	7,381	918	793	1,328	829	1,315	927	1,002	269
1960 to 1969	10,362	806	1,149	1,773	1,469	1,736	1,333	1,444	653
1970 to 1979	10,846	974	1,069	1,862	1,557	1,563	1,488	1,151	1,181
1980 to 1989	15,230	1,238	1,655	2,430	2,362	1,845	1,872	2,561	1,268
1990 to 1999	13,803	1,281	1,461	1,871	1,628	2,732	1,882	1,694	1,254
2000 to 2003	7,215	527	512	1,140	893	1,083	1,751	678	632
2004 to 2007	6,524	511	527	863	1,004	1,495	753	778	592
2008 to 2012	5,723	369	581	914	768	1,110	1,248	578	Q
Census region									
Northeast	15,534	1,057	1,248	2,408	1,644	2,676	2,542	2,232	1,727
Midwest	18,919	1,858	1,872	2,889	3,029	2,729	2,400	2,726	1,418
South	34,279	3,383	3,535	5,209	4,528	6,139	5,152	3,681	2,652
West	18,360	1,744	2,245	3,599	2,716	2,374	2,321	2,084	1,277
Climate region¹									
Very cold/Cold	31,898	2,913	3,193	5,437	4,358	5,001	4,264	4,336	2,396
Mixed-humid	27,873	2,741	2,637	3,870	3,163	4,817	4,215	3,445	2,984
Mixed-dry/Hot-dry	12,037	1,034	1,630	2,439	1,922	1,480	1,666	1,328	536
Hot-humid	12,831	1,148	1,222	1,929	2,099	2,204	2,004	1,287	938
Marine	2,454	Q	218	429	375	416	265	327	Q

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)

	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Number of floors									
One	39,809	6,244	6,044	8,129	5,761	5,643	4,355	2,630	1,004
Two	20,206	1,315	2,181	4,162	3,584	3,882	2,538	1,915	630
Three	8,140	416	536	1,234	1,655	1,624	1,537	918	Q
Four to nine	13,535	Q	Q	581	906	2,708	3,552	3,466	2,116
Ten or more	5,404	N	N	N	Q	Q	433	1,795	3,104
Elevators and escalators (more than one may apply)									
Any elevators	32,120	Q	320	1,678	3,198	5,951	7,344	7,703	5,885
Number of elevators									
One	11,158	Q	297	1,612	2,378	2,838	2,391	1,351	Q
Two to five	12,817	N	Q	Q	818	3,093	4,565	3,660	592
Six or more	8,145	N	N	N	Q	Q	387	2,692	5,043
Any escalators	3,654	N	N	Q	N	Q	Q	503	2,758
Number of workers (main shift)									
Fewer than 5	17,751	5,362	3,843	4,334	1,791	1,332	677	Q	Q
5 to 9	8,973	1,768	2,389	2,454	1,437	447	Q	Q	Q
10 to 19	9,623	794	1,793	3,135	2,017	1,051	574	Q	Q
20 to 49	14,514	117	869	3,314	3,615	4,036	1,903	595	Q
50 to 99	13,476	N	Q	719	2,339	4,388	4,152	1,544	Q
100 to 249	10,941	N	N	Q	686	2,328	2,861	4,078	845
250 or more	11,815	N	N	Q	Q	337	1,879	3,842	5,718
Weekly operating hours									
Fewer than 40	8,220	2,012	1,475	2,100	1,164	743	384	Q	Q
40 to 48	15,828	2,215	2,140	3,053	2,139	2,784	2,146	1,068	Q
49 to 60	20,529	1,488	2,496	3,768	3,174	3,675	2,644	2,315	969
61 to 84	15,867	943	1,182	2,546	2,628	2,550	2,481	2,164	1,373
85 to 167	9,395	730	598	1,056	1,141	1,686	1,926	1,549	710
Open continuously	17,253	653	1,009	1,582	1,671	2,480	2,835	3,427	3,597
Ownership and occupancy									
Nongovernment owned	67,550	7,077	7,953	11,987	9,482	9,104	8,905	7,634	5,408
Owner occupied	30,637	3,871	4,118	6,045	4,067	3,712	4,306	2,976	1,542
Leased to tenant(s)	26,115	2,526	2,932	4,149	3,656	4,051	3,493	3,084	2,223
Owner occupied and leased	8,873	382	635	1,305	1,353	1,106	1,025	1,482	1,584
Unoccupied	1,925	298	267	488	Q	Q	Q	Q	Q
Government owned	19,543	964	947	2,117	2,435	4,814	3,510	3,090	1,666
Federal	1,573	Q	Q	Q	Q	Q	Q	Q	806
State	5,539	230	Q	621	647	1,327	1,392	1,024	Q
Local	12,431	713	765	1,373	1,649	3,351	1,989	1,928	663

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)

	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Predominant roof material									
Metal surfacing	15,916	2,742	2,991	3,647	1,836	2,113	1,319	602	Q
Synthetic or rubber	25,817	1,011	1,330	2,970	3,660	4,730	4,464	5,001	2,651
Built-up	21,835	959	1,168	2,689	3,059	4,057	3,860	3,534	2,510
Slate or tile shingles	4,306	618	715	770	691	413	Q	Q	Q
Wooden materials (including shingles)	1,139	269	275	240	Q	Q	Q	Q	N
Asphalt, fiberglass, or other shingles	15,104	2,362	2,280	3,369	2,329	2,038	1,412	681	632
Concrete	1,642	Q	Q	Q	Q	Q	412	Q	Q
Other	678	Q	Q	Q	Q	Q	Q	Q	Q
No one major type	657	Q	Q	Q	Q	Q	Q	Q	Q
Roof characteristics									
Roof tilt									
Flat	49,623	2,236	2,906	6,167	7,037	9,248	8,616	8,394	5,019
Shallow pitch	23,853	3,431	3,481	4,569	3,134	2,921	2,983	1,921	1,412
Steeper pitch	13,617	2,374	2,513	3,368	1,746	1,749	816	409	643
Cool roof	19,630	951	1,029	2,372	1,985	3,003	3,427	4,182	2,683
Renovations in buildings constructed before 2008 (more than one may apply)									
Any type of renovation	42,216	2,820	3,378	5,712	5,407	6,912	6,095	6,871	5,021
Addition or annex	13,022	504	744	1,315	1,546	2,408	1,792	2,794	1,920
Reduction in floorspace	1,753	119	Q	Q	Q	Q	Q	342	240
Roof replacement	20,917	1,317	1,609	2,852	2,162	3,345	2,628	3,929	3,075
Exterior wall replacement	4,230	317	250	539	472	535	565	711	841
Interior wall reconfiguration	21,340	1,213	1,341	2,463	2,677	3,501	2,857	4,208	3,081
Window replacement	12,265	735	868	1,609	1,671	2,118	1,536	1,944	1,783
HVAC equipment upgrade	26,779	1,353	1,751	3,263	3,300	4,288	4,121	4,776	3,928
Lighting upgrade	25,503	1,221	1,584	2,678	2,838	4,269	3,685	5,025	4,202
Electrical upgrade	16,160	1,066	1,121	1,944	1,757	2,497	2,001	3,185	2,590
Plumbing system upgrade	13,828	908	1,010	1,505	1,722	2,329	1,159	2,860	2,335
Insulation upgrade	7,607	563	560	1,057	968	1,264	767	1,251	1,178
Fire, safety, or security upgrade	17,196	803	969	1,715	1,869	2,868	2,242	3,515	3,215
Structural upgrade	3,913	175	255	509	Q	679	426	663	819
Other	848	Q	Q	Q	Q	Q	Q	Q	Q
No renovations	39,154	4,852	4,941	7,479	5,742	5,896	5,073	3,274	1,897
Buildings constructed 2008 or later	5,723	369	581	914	768	1,110	1,248	578	Q

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)

	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Energy sources (more than one may apply)									
Electricity	84,869	7,492	8,489	13,565	11,672	13,604	12,362	10,652	7,033
Natural gas	58,725	3,757	4,817	8,823	8,148	9,935	9,416	8,293	5,535
Fuel oil	20,200	604	559	1,123	1,490	2,822	2,858	5,370	5,374
District heat	5,964	Q	Q	Q	213	704	1,313	1,565	2,001
District chilled water	4,608	Q	Q	145	Q	567	1,273	1,064	1,306
Propane	7,706	762	959	1,124	920	1,042	1,061	959	879
Other	3,826	193	303	486	520	566	564	809	384
Space-heating energy sources (more than one may apply)									
Electricity	49,030	4,185	4,384	7,716	6,897	8,668	7,321	5,991	3,869
Natural gas	49,511	3,323	4,343	7,989	7,228	8,524	7,507	6,990	3,608
Fuel oil	4,351	412	366	725	576	698	548	632	394
District heat	5,925	Q	Q	Q	213	704	1,313	1,553	1,974
Propane	3,067	538	682	767	329	Q	Q	Q	Q
Other	1,010	129	213	Q	Q	Q	Q	Q	Q
Primary space-heating energy source									
Electricity	26,205	2,766	2,865	4,433	3,871	4,892	3,646	2,129	1,603
Natural gas	42,988	3,050	3,802	6,957	6,174	6,844	6,624	6,487	3,050
Fuel oil	2,542	329	280	509	Q	413	348	Q	Q
District heat	5,797	Q	Q	Q	213	704	1,283	1,472	1,956
Propane	1,948	444	493	556	Q	Q	Q	Q	N
Other	598	93	Q	Q	Q	Q	Q	Q	N
Cooling energy sources (more than one may apply)									
Electricity	76,034	6,107	7,252	12,211	10,615	12,618	11,034	9,887	6,310
Natural gas	732	Q	Q	Q	Q	Q	Q	Q	167
District chilled water	4,608	Q	Q	145	Q	567	1,273	1,064	1,306
Water-heating energy sources (more than one may apply)									
Electricity	42,755	3,881	4,348	6,926	5,975	6,672	6,162	5,005	3,786
Natural gas	39,523	2,081	2,809	5,657	5,643	7,528	6,819	5,995	2,990
Fuel oil	1,911	Q	Q	Q	Q	Q	238	370	215
District heat	4,551	Q	Q	Q	Q	425	965	1,318	1,652
Propane	1,575	171	321	376	Q	Q	Q	Q	Q
Cooking energy sources (more than one may apply)									
Electricity	25,151	1,351	1,625	2,651	2,279	4,530	4,204	4,658	3,854
Natural gas	24,770	819	1,252	2,124	2,271	4,526	4,677	5,172	3,930
Propane	2,001	242	281	253	Q	367	Q	Q	Q

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)

	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Energy end uses (more than one may apply)									
Buildings with space heating	80,078	6,699	7,590	12,744	10,911	13,114	11,941	10,348	6,730
Buildings with cooling	79,294	6,124	7,304	12,357	10,813	13,069	12,152	10,518	6,958
Buildings with water heating	79,015	6,102	7,236	12,401	11,007	13,063	11,903	10,351	6,951
Buildings with cooking	38,546	2,073	2,733	4,134	3,858	6,870	6,587	6,969	5,322
Buildings with manufacturing	5,078	284	542	855	1,022	761	691	665	Q
Buildings with electricity generation	25,642	321	596	1,008	2,032	4,139	5,050	6,665	5,830
Percent of floorspace heated									
Not heated	7,015	1,342	1,310	1,360	1,007	804	474	Q	Q
1 to 50	10,130	951	1,387	2,365	1,292	1,359	1,146	1,131	500
51 to 99	14,650	914	1,338	2,048	1,657	2,469	2,163	2,202	1,859
100	55,298	4,833	4,866	8,332	7,962	9,287	8,632	7,015	4,371
Percent of floorspace cooled									
Not cooled	7,799	1,917	1,596	1,747	1,105	849	Q	Q	Q
1 to 50	18,891	1,430	2,249	3,943	3,123	2,489	2,432	2,150	1,076
51 to 99	22,728	935	1,738	2,766	2,679	4,077	3,496	4,007	3,029
100	37,676	3,759	3,316	5,648	5,011	6,503	6,225	4,360	2,853
Percent lit when open									
Zero	322	156	Q	Q	Q	N	N	Q	N
1 to 50	12,628	1,680	1,879	2,824	1,885	1,956	1,141	837	Q
51 to 99	34,814	1,924	3,060	5,326	4,519	6,445	5,539	5,220	2,781
100	35,726	3,474	3,151	5,070	5,071	5,043	5,560	4,552	3,806
Building never open/electricity not used	3,603	807	727	829	Q	Q	Q	Q	Q
Percent lit during off hours									
Zero	24,746	4,000	4,256	5,728	3,411	2,617	2,976	1,087	671
1 to 50	50,753	3,068	3,798	7,104	7,515	9,677	7,717	7,294	4,580
51 to 100	6,926	280	319	424	557	1,060	1,231	1,661	1,394
Building always open with no "off hours"	2,443	144	Q	309	Q	Q	437	610	388
Electricity not used	2,225	550	411	539	Q	Q	Q	Q	Q
Heating equipment (more than one may apply)									
Heat pumps	11,846	868	1,038	1,477	1,642	2,664	1,549	1,527	1,080
Furnaces	8,654	1,091	1,416	2,233	1,439	1,042	683	466	284
Individual space heaters	20,766	1,747	2,025	3,115	3,021	2,763	2,915	2,970	2,211
District heat	5,925	Q	Q	Q	213	704	1,313	1,553	1,974
Boilers	22,443	400	734	2,008	2,707	4,938	4,258	4,970	2,430
Packaged heating units	49,188	3,809	4,622	8,246	7,237	8,489	7,569	5,991	3,225
Other	1,574	Q	Q	Q	Q	541	Q	Q	Q

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)

	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Cooling equipment (more than one may apply)									
Residential-type central air conditioners	14,765	2,350	2,968	3,883	2,526	1,395	895	610	Q
Heat pumps	12,538	983	1,193	1,457	1,866	2,825	1,718	1,422	1,073
Individual air conditioners	12,420	1,027	972	1,855	1,606	1,956	1,652	2,091	1,262
District chilled water	4,608	Q	Q	145	Q	567	1,273	1,064	1,306
Central chillers	17,041	Q	Q	631	1,095	2,724	3,211	5,127	4,145
Packaged air conditioning units	45,153	2,154	3,082	6,557	6,466	8,705	7,447	6,702	4,039
Swamp coolers	1,918	155	Q	Q	Q	441	Q	Q	Q
Other	328	Q	N	Q	Q	Q	Q	Q	Q
Main equipment replaced since 1990 (more than one may apply)									
Heating	27,558	2,710	3,029	5,048	4,041	4,376	3,564	3,228	1,562
Cooling	30,702	2,797	3,246	5,184	4,358	4,623	3,895	4,201	2,397
Water-heating equipment									
Centralized system	47,534	4,906	5,731	8,549	7,125	7,181	6,120	4,924	2,998
Distributed system	12,688	1,011	890	2,318	1,983	1,904	1,846	1,516	1,220
Combination of centralized and distributed system	18,793	185	615	1,534	1,899	3,978	3,937	3,911	2,734
Lighting equipment types (more than one may apply)									
Incandescent	38,406	2,453	2,917	4,987	4,788	6,218	6,239	6,002	4,803
Standard fluorescent	80,081	6,466	7,589	12,533	11,063	13,217	11,745	10,552	6,915
Compact fluorescent	53,816	2,815	3,740	6,767	6,970	9,652	9,078	8,775	6,021
High-intensity discharge	23,396	373	736	2,175	2,712	3,766	4,244	4,981	4,409
Halogen	28,059	944	1,487	2,903	3,556	4,989	4,605	5,161	4,413
LED	22,071	348	714	1,882	2,252	3,479	3,919	4,866	4,612
Other	446	Q	Q	Q	Q	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)									
Any refrigeration	73,645	5,448	6,565	11,012	9,901	12,334	11,371	10,080	6,935
Walk-in units	28,361	1,039	1,103	1,837	2,247	5,193	5,729	6,233	4,981
Cases or cabinets	28,719	1,132	1,350	2,276	2,693	4,840	5,326	6,333	4,768
Large cold storage areas	4,171	Q	Q	Q	Q	718	825	1,139	804
Commercial ice makers	32,734	851	1,248	2,424	3,017	6,276	6,236	7,022	5,660
Residential-type or compact units	62,381	4,571	5,741	9,307	8,558	10,393	9,530	8,371	5,910
Vending machines	43,936	531	1,252	3,940	5,558	8,174	9,288	8,881	6,311
No refrigeration	13,448	2,593	2,335	3,093	2,017	1,584	1,044	643	Q

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)

	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Office equipment (more than one may apply)									
Desktop computers	77,063	5,205	6,719	11,823	10,689	13,267	11,937	10,435	6,987
With flat screen monitors	76,160	4,970	6,465	11,674	10,601	13,147	11,885	10,435	6,982
With multiple monitors	30,946	776	1,648	3,238	3,594	5,464	5,117	5,908	5,201
Laptop computers	63,486	3,216	4,689	8,677	9,042	11,127	10,027	9,800	6,907
Dedicated servers	53,369	1,685	2,956	6,120	7,120	10,092	9,540	9,339	6,516
Laser printers	54,256	2,724	3,953	7,407	7,363	9,874	9,066	7,815	6,054
Inkjet printers	36,235	3,047	3,932	6,046	5,194	5,475	5,144	4,920	2,476
FAX machines	66,682	4,014	5,342	9,674	9,446	11,540	10,999	9,157	6,511
Photocopiers	59,277	2,210	3,478	7,873	8,247	10,930	10,451	9,504	6,583
Number of desktop computers									
None	10,030	2,836	2,181	2,281	1,228	651	478	Q	Q
1 to 4	15,669	3,502	3,440	4,422	1,878	1,102	1,095	Q	N
5 to 9	9,422	1,179	1,787	2,497	1,808	1,124	746	Q	Q
10 to 19	9,388	458	889	2,166	1,965	2,049	1,309	453	Q
20 to 49	13,094	Q	579	1,970	2,480	3,453	2,409	1,629	518
50 to 99	8,284	Q	Q	682	1,768	2,113	1,492	1,565	637
100 to 249	9,728	N	Q	Q	741	2,743	2,806	1,847	1,499
250 or more	11,478	N	N	N	Q	682	2,081	4,474	4,191
Number of laptop computers									
None	23,607	4,825	4,211	5,427	2,875	2,791	2,388	923	Q
1 to 4	21,161	2,919	3,624	5,623	3,383	2,391	1,855	1,097	Q
5 to 9	8,345	244	750	1,358	1,921	1,800	1,292	601	Q
10 to 19	8,343	Q	253	900	1,561	2,057	1,510	1,327	690
20 to 49	9,643	Q	Q	498	1,566	2,523	1,939	1,826	1,221
50 to 99	5,234	N	N	Q	451	1,231	1,402	933	962
100 to 249	5,217	N	N	Q	Q	827	1,345	1,928	962
250 or more	5,542	N	N	Q	Q	Q	683	2,088	2,425
Number of dedicated servers									
None	33,724	6,356	5,944	7,984	4,797	3,826	2,875	1,384	558
1 to 4	34,097	1,658	2,867	5,441	5,844	7,310	5,840	3,516	1,621
5 to 9	6,241	Q	Q	494	704	1,247	1,407	1,516	789
10 to 19	5,711	Q	Q	Q	372	777	1,392	1,854	1,179
20 to 49	3,758	N	Q	Q	Q	575	424	1,243	1,261
50 or more	3,562	N	Q	N	Q	Q	477	1,210	1,666
Number of photocopiers									
None	27,816	5,831	5,422	6,231	3,671	2,988	1,964	1,219	490
One	17,080	1,815	2,382	4,336	2,818	2,479	2,284	625	Q
2 to 4	20,312	368	1,012	3,098	3,768	5,164	3,822	2,436	644
5 to 9	8,863	Q	Q	351	1,244	1,891	2,104	2,357	851
10 or more	13,022	Q	Q	Q	416	1,396	2,242	4,087	4,747

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)									
	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Number of TVs or video displays									
None	24,339	4,604	4,079	5,439	3,612	2,722	2,067	1,224	593
One	9,990	1,908	1,947	2,434	1,355	1,110	821	Q	Q
2 to 4	16,465	1,160	2,057	3,690	3,530	2,690	1,742	1,193	Q
5 to 9	8,148	314	595	1,204	1,053	1,962	1,565	979	477
10 to 19	8,168	Q	Q	678	964	2,276	1,853	1,539	676
20 to 49	8,058	Q	Q	452	851	1,680	1,991	2,055	964
50 to 99	4,378	N	Q	Q	372	626	1,368	1,226	583
100 or more	7,547	N	N	Q	Q	852	1,008	2,188	3,280
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar or concession stand	9,884	139	239	418	507	1,033	2,200	2,497	2,852
Fast food or small restaurant	9,787	131	307	541	749	1,375	1,859	2,223	2,601
Cafeteria or large restaurant	15,222	Q	Q	243	892	3,133	3,294	3,890	3,728
Commercial kitchen/food preparation area	16,150	142	394	1,224	1,403	3,136	3,110	3,888	2,852
Small kitchen area	14,054	972	1,325	2,055	1,698	2,178	1,921	2,003	1,901
Separate computer areas (more than one may apply)									
Data center or server farm	11,105	Q	Q	Q	619	1,090	1,859	3,747	3,452
Computer-based training room	17,723	102	223	856	1,619	3,093	3,717	4,586	3,527
Student or public computer center	14,341	101	255	862	1,352	3,495	3,482	3,614	1,180
HVAC conservation features (more than one may apply)									
Economizer cycle	30,749	398	720	2,280	2,924	5,905	6,350	7,119	5,053
Regular HVAC maintenance	69,244	3,875	5,175	9,894	9,902	11,857	11,348	10,269	6,924
Building automation system (BAS) ²	37,051	630	972	2,613	3,473	7,262	8,451	7,883	5,767
Window and interior lighting features (more than one may apply)									
Multipaned windows	60,362	3,852	5,164	8,620	8,605	10,660	9,407	8,629	5,425
Tinted window glass	45,025	2,215	3,008	5,833	6,571	7,933	7,434	7,431	4,600
Reflective window glass	15,908	573	969	1,680	1,847	3,086	2,581	2,897	2,276
External overhangs or awnings	32,188	2,530	3,275	5,157	4,097	5,423	4,501	4,217	2,987
Skylights or atriums	22,261	425	1,115	2,385	2,199	3,777	4,397	4,505	3,459
Light scheduling	30,263	984	1,417	2,928	3,730	5,570	5,355	5,378	4,903
Occupancy sensors	35,871	527	1,171	3,177	4,019	6,912	7,381	6,851	5,832
Multi-level lighting or dimming	14,534	237	576	1,169	1,663	2,647	2,467	3,563	2,211
Daylight harvesting	6,114	100	Q	432	560	971	1,492	1,191	1,244
Demand responsive lighting	4,738	154	340	639	655	703	912	777	557
Building automation system (BAS) for lighting ²	12,068	135	288	693	1,040	2,270	2,583	2,644	2,413

Table B7. Building size, floorspace, 2012

Total floorspace (million square feet)									
	All buildings	Building size							
		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	87,093	8,041	8,900	14,105	11,917	13,918	12,415	10,724	7,074
Equipment usage reduced when building not in full use (more than one may apply)									
Heating	63,167	5,154	6,085	9,898	8,637	10,459	9,938	7,956	5,040
Cooling	62,516	4,759	5,907	9,726	8,428	10,424	10,135	7,828	5,309
Lighting	78,594	6,738	7,814	12,689	10,841	12,653	11,576	9,753	6,531

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.

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.

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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
All buildings	5,557	850	599	639	684	915	845	722	303
Building floorspace (square feet)									
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
Principal building activity									
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
Census region									
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
Climate region¹									
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

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
All buildings	5,557	850	599	639	684	915	845	722	303
Number of floors									
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
Elevators and escalators (more than one may apply)									
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
Number of workers (main shift)									
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
Weekly operating hours									
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
Ownership and occupancy									
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

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
All buildings	5,557	850	599	639	684	915	845	722	303
Energy sources (more than one may apply)									
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
Space-heating energy sources (more than one may apply)									
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
Primary space-heating energy source									
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
Cooling energy sources (more than one may apply)									
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
Water-heating energy sources (more than one may apply)									
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
Cooking energy sources (more than one may apply)									
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

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
All buildings	5,557	850	599	639	684	915	845	722	303
Energy end uses (more than one may apply)									
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
Percent of floorspace heated									
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
Percent of floorspace cooled									
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
Percent lit when open									
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
Percent lit during off hours									
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
Heating equipment (more than one may apply)									
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

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
All buildings	5,557	850	599	639	684	915	845	722	303
Cooling equipment (more than one may apply)									
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
Main equipment replaced since 1990 (more than one may apply)									
Heating	1,874	447	307	328	360	431	N	N	N
Cooling	1,971	463	327	358	362	462	N	N	N
Water-heating equipment									
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
Lighting equipment types (more than one may apply)									
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
Refrigeration equipment (more than one may apply)									
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

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
All buildings	5,557	850	599	639	684	915	845	722	303
Office equipment (more than one may apply)									
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
Number of desktop computers									
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
Number of laptop computers									
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
Number of dedicated servers									
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
Number of photocopiers									
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

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
All buildings	5,557	850	599	639	684	915	845	722	303
Number of TVs or video displays									
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
Food preparation or serving areas in non-food service buildings (more than one may apply)									
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
Separate computer areas (more than one may apply)									
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
HVAC conservation features (more than one may apply)									
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) ²	781	57	68	108	82	99	114	162	90
Window and interior lighting features (more than one may apply)									
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 ²	208	4	14	18	25	29	40	46	32

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
All buildings	5,557	850	599	639	684	915	845	722	303
Equipment usage reduced when building not in full use (more than one may apply)									
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

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.

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Building floorspace (square feet)									
1,001 to 5,000	8,041	1,418	918	806	974	1,238	1,281	1,038	369
5,001 to 10,000	8,900	1,154	793	1,149	1,069	1,655	1,461	1,038	581
10,001 to 25,000	14,105	1,924	1,328	1,773	1,862	2,430	1,871	2,003	914
25,001 to 50,000	11,917	1,407	829	1,469	1,557	2,362	1,628	1,897	768
50,001 to 100,000	13,918	1,040	1,315	1,736	1,563	1,845	2,732	2,578	1,110
100,001 to 200,000	12,415	1,162	927	1,333	1,488	1,872	1,882	2,504	1,248
200,001 to 500,000	10,724	836	1,002	1,444	1,151	2,561	1,694	1,456	578
Over 500,000	7,074	1,069	269	653	1,181	1,268	1,254	1,225	Q
Principal building activity									
Education	12,239	1,382	1,447	2,180	1,178	1,268	1,655	2,327	802
Food sales	1,252	Q	Q	Q	Q	157	292	Q	Q
Food service	1,819	318	183	167	243	306	309	180	Q
Health care	4,155	197	356	384	867	595	604	608	544
Inpatient	2,374	Q	244	265	681	215	304	311	292
Outpatient	1,781	Q	Q	119	186	380	301	298	Q
Lodging	5,826	375	362	761	830	1,178	1,066	850	403
Mercantile	11,330	639	657	1,029	1,573	2,275	2,085	2,168	902
Retail (other than mall)	5,439	632	303	387	534	767	1,072	1,190	554
Enclosed and strip malls	5,890	Q	354	642	1,039	1,508	1,013	978	Q
Office	15,952	2,506	1,254	1,427	2,125	3,969	2,108	1,914	649
Public assembly	5,559	1,020	521	866	586	599	890	718	360
Public order and safety	1,440	Q	Q	Q	Q	Q	419	Q	Q
Religious worship	4,557	703	612	704	378	547	651	765	Q
Service	4,630	671	330	520	629	877	775	584	245
Warehouse and storage	13,077	1,153	740	1,386	1,467	2,294	2,204	2,753	1,081
Other	2,002	Q	Q	Q	Q	273	280	236	Q
Vacant	3,256	680	348	305	454	712	464	Q	Q
Census region									
Northeast	15,534	3,591	1,581	2,240	1,952	1,743	2,044	1,480	903
Midwest	18,919	2,808	1,662	2,687	2,619	2,617	2,798	2,731	997
South	34,279	2,485	2,634	3,499	3,693	6,942	6,172	6,154	2,701
West	18,360	1,124	1,504	1,937	2,582	3,929	2,788	3,374	1,122
Climate region¹									
Very cold/Cold	31,898	4,886	3,072	4,115	4,190	4,352	4,884	4,384	2,016
Mixed-humid	27,873	3,425	2,489	3,440	3,137	4,411	4,458	4,503	2,011
Mixed-dry/Hot-dry	12,037	777	1,023	1,514	1,690	2,334	1,565	2,227	908
Hot-humid	12,831	715	604	974	1,598	3,397	2,553	2,266	724
Marine	2,454	205	Q	318	232	737	344	359	Q

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Number of floors									
One	39,809	2,080	3,194	3,969	4,970	7,897	7,756	7,022	2,921
Two	20,206	1,716	1,926	3,192	3,000	3,135	2,866	3,234	1,137
Three	8,140	2,146	642	1,070	700	996	827	1,091	667
Four to nine	13,535	3,079	1,404	1,364	1,332	1,899	1,708	1,879	871
Ten or more	5,404	988	215	767	844	1,303	646	512	Q
Elevators and escalators (more than one may apply)									
Any elevators	32,120	4,656	2,401	3,825	3,973	5,086	4,640	5,151	2,387
Number of elevators									
One	11,158	1,967	974	1,438	1,226	1,117	1,624	2,062	750
Two to five	12,817	1,491	1,037	1,409	1,528	2,271	1,873	1,956	1,252
Six or more	8,145	1,198	390	979	1,219	1,698	1,143	1,133	385
Any escalators	3,654	738	Q	375	576	722	534	542	Q
Number of workers (main shift)									
Fewer than 5	17,751	3,338	1,890	2,109	2,100	2,678	2,546	2,138	954
5 to 9	8,973	1,121	723	1,185	1,175	1,443	1,252	1,332	743
10 to 19	9,623	844	755	1,167	1,425	1,566	1,686	1,469	711
20 to 49	14,514	1,067	1,043	2,016	1,706	2,771	2,460	2,426	1,026
50 to 99	13,476	1,293	1,472	1,610	1,171	2,371	2,305	2,298	955
100 to 249	10,941	812	812	1,321	1,139	1,849	1,802	2,358	849
250 or more	11,815	1,535	686	955	2,131	2,552	1,752	1,718	485
Weekly operating hours									
Fewer than 40	8,220	1,783	962	909	1,178	1,109	1,223	784	272
40 to 48	15,828	2,281	1,933	1,949	1,588	2,689	2,081	2,418	889
49 to 60	20,529	2,113	1,550	2,353	2,393	4,379	3,263	3,216	1,263
61 to 84	15,867	1,558	1,073	2,079	2,101	2,902	2,468	2,466	1,220
85 to 167	9,395	913	713	1,112	1,041	1,094	1,395	2,381	745
Open continuously	17,253	1,360	1,150	1,961	2,545	3,057	3,373	2,474	1,333
Ownership and occupancy									
Nongovernment owned	67,550	7,187	5,253	7,070	8,539	13,074	10,757	10,940	4,729
Owner occupied	30,637	3,420	2,918	3,356	3,618	4,465	5,366	5,244	2,251
Leased to tenant(s)	26,115	2,366	1,458	2,554	3,578	5,961	4,076	4,365	1,757
Owner occupied and leased	8,873	1,054	628	911	1,048	2,277	1,066	1,239	651
Unoccupied	1,925	348	249	249	295	Q	Q	Q	Q
Government owned	19,543	2,821	2,128	3,293	2,306	2,156	3,046	2,799	994
Federal	1,573	588	Q	Q	Q	Q	277	Q	N
State	5,539	761	679	991	895	580	687	709	Q
Local	12,431	1,472	1,413	2,097	1,246	1,509	2,081	1,855	757

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Energy sources (more than one may apply)									
Electricity	84,869	9,667	7,208	10,198	10,556	14,791	13,118	13,678	5,653
Natural gas	58,725	6,112	5,393	7,553	7,979	9,887	9,162	8,819	3,821
Fuel oil	20,200	2,546	1,530	2,407	2,614	3,806	3,201	2,964	1,133
District heat	5,964	1,428	446	1,002	930	449	642	866	Q
District chilled water	4,608	601	203	923	811	310	664	915	Q
Propane	7,706	585	525	921	880	1,214	1,339	1,682	559
Other	3,826	455	415	490	499	591	572	598	Q
Space-heating energy sources (more than one may apply)									
Electricity	49,030	4,611	3,836	5,387	5,931	9,378	7,947	8,258	3,683
Natural gas	49,511	5,172	4,908	6,574	6,549	7,995	7,613	7,212	3,488
Fuel oil	4,351	1,173	616	695	590	421	370	393	Q
District heat	5,925	1,411	446	1,002	930	446	642	856	Q
Propane	3,067	319	203	388	425	330	539	653	Q
Other	1,010	211	Q	Q	Q	Q	Q	Q	Q
Primary space-heating energy source									
Electricity	26,205	1,786	1,414	2,394	2,988	5,760	4,634	5,086	2,142
Natural gas	42,988	4,756	4,453	5,802	5,484	6,868	6,478	6,240	2,908
Fuel oil	2,542	870	378	292	Q	Q	258	Q	Q
District heat	5,797	1,411	439	995	930	441	534	856	Q
Propane	1,948	199	Q	Q	293	208	425	309	Q
Other	598	Q	Q	Q	Q	Q	Q	Q	Q
Cooling energy sources (more than one may apply)									
Electricity	76,034	7,989	6,569	8,962	9,440	13,830	11,924	12,185	5,135
Natural gas	732	Q	Q	Q	Q	Q	Q	Q	Q
District chilled water	4,608	601	203	923	811	310	664	915	Q
Water-heating energy sources (more than one may apply)									
Electricity	42,755	4,215	2,829	4,423	4,854	8,845	6,946	7,791	2,852
Natural gas	39,523	3,635	3,659	5,654	5,625	6,263	6,084	5,968	2,635
Fuel oil	1,911	471	299	366	Q	Q	Q	Q	Q
District heat	4,551	1,215	287	828	718	200	442	Q	Q
Propane	1,575	Q	Q	Q	Q	312	334	260	Q
Cooking energy sources (more than one may apply)									
Electricity	25,151	2,816	1,948	2,862	2,990	4,342	4,293	4,068	1,831
Natural gas	24,770	2,168	2,274	3,360	3,265	4,168	4,387	3,736	1,410
Propane	2,001	Q	196	Q	262	360	452	266	Q

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Energy end uses (more than one may apply)									
Buildings with space heating	80,078	9,110	6,895	9,730	10,045	13,723	12,389	12,679	5,505
Buildings with cooling	79,294	8,302	6,679	9,634	10,031	14,011	12,402	13,010	5,225
Buildings with water heating	79,015	8,702	6,410	9,699	10,158	13,831	12,209	12,844	5,162
Buildings with cooking	38,546	4,205	3,409	4,644	4,837	6,545	6,517	6,015	2,375
Buildings with manufacturing	5,078	670	575	497	828	969	396	856	Q
Buildings with electricity generation	25,642	1,806	1,523	3,083	3,145	4,690	4,184	4,941	2,269
Percent of floorspace heated									
Not heated	7,015	898	486	633	800	1,507	1,414	1,060	218
1 to 50	10,130	1,212	927	1,094	1,378	2,091	1,417	1,463	547
51 to 99	14,650	2,091	1,358	1,407	1,474	2,991	2,487	2,177	664
100	55,298	5,807	4,610	7,228	7,193	8,641	8,485	9,040	4,294
Percent of floorspace cooled									
Not cooled	7,799	1,707	702	728	815	1,220	1,401	729	498
1 to 50	18,891	2,563	1,748	2,711	2,400	3,285	2,445	2,714	1,026
51 to 99	22,728	2,862	2,287	2,731	2,665	3,805	4,184	3,145	1,050
100	37,676	2,877	2,644	4,193	4,966	6,921	5,774	7,151	3,150
Percent lit when open									
Zero	322	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	12,628	2,162	1,351	1,266	1,313	2,222	1,395	2,065	854
51 to 99	34,814	3,722	3,215	4,594	4,445	6,151	4,726	5,918	2,043
100	35,726	3,414	2,494	4,174	4,549	6,294	6,680	5,485	2,637
Building never open/electricity not used	3,603	698	312	312	536	533	954	Q	Q
Percent lit during off hours									
Zero	24,746	3,449	2,135	2,730	2,710	4,244	3,590	3,943	1,946
1 to 50	50,753	5,454	4,510	6,228	6,516	9,083	7,752	8,076	3,134
51 to 100	6,926	675	479	1,111	963	972	1,194	1,222	310
Building always open with no "off hours"	2,443	Q	Q	Q	367	492	583	438	Q
Electricity not used	2,225	342	174	Q	290	440	685	Q	Q
Heating equipment (more than one may apply)									
Heat pumps	11,846	1,115	907	1,295	1,198	2,386	2,136	1,982	826
Furnaces	8,654	917	685	1,168	1,345	1,763	1,266	1,066	442
Individual space heaters	20,766	3,159	2,277	2,586	2,923	3,424	2,996	2,453	948
District heat	5,925	1,411	446	1,002	930	446	642	856	Q
Boilers	22,443	3,237	2,659	3,506	2,763	2,973	2,970	3,031	1,303
Packaged heating units	49,188	3,968	3,715	5,670	6,156	9,037	8,544	8,356	3,741
Other	1,574	Q	Q	Q	Q	Q	397	Q	Q

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Cooling equipment (more than one may apply)									
Residential-type central air conditioners	14,765	2,066	996	2,075	2,044	2,503	2,386	1,907	786
Heat pumps	12,538	1,108	1,097	1,300	1,330	2,556	2,214	1,995	939
Individual air conditioners	12,420	2,493	1,485	1,740	1,649	1,768	1,425	1,358	503
District chilled water	4,608	601	203	923	811	310	664	915	Q
Central chillers	17,041	1,774	1,755	2,052	2,371	3,210	2,276	2,433	1,169
Packaged air conditioning units	45,153	4,141	3,674	5,552	5,445	8,585	7,222	7,644	2,890
Swamp coolers	1,918	181	Q	299	207	267	344	349	Q
Other	328	Q	Q	Q	Q	Q	Q	Q	N
Main equipment replaced since 1990 (more than one may apply)									
Heating	27,558	4,694	4,000	5,192	5,885	7,786	N	N	N
Cooling	30,702	5,173	4,559	5,850	6,274	8,846	N	N	N
Water-heating equipment									
Centralized system	47,534	5,205	4,305	6,252	6,298	7,338	7,417	7,543	3,176
Distributed system	12,688	1,269	943	1,005	1,773	2,888	1,724	2,152	933
Combination of centralized and distributed system	18,793	2,228	1,162	2,442	2,087	3,605	3,069	3,148	1,053
Lighting equipment types (more than one may apply)									
Incandescent	38,406	5,042	3,494	4,629	5,560	6,972	5,494	5,619	1,595
Standard fluorescent	80,081	8,752	6,860	9,857	9,992	14,263	12,267	13,019	5,070
Compact fluorescent	53,816	6,060	4,340	6,463	6,913	9,199	8,327	8,941	3,574
High-intensity discharge	23,396	2,099	1,785	2,525	3,311	4,591	4,127	3,843	1,116
Halogen	28,059	3,156	2,028	2,948	3,418	5,124	4,364	5,093	1,929
LED	22,071	2,272	1,306	2,224	2,632	4,374	3,489	4,028	1,747
Other	446	Q	N	Q	Q	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)									
Any refrigeration	73,645	7,854	6,269	8,963	9,062	12,812	11,609	12,081	4,995
Walk-in units	28,361	2,258	2,104	3,574	4,015	5,184	4,937	4,575	1,715
Cases or cabinets	28,719	2,759	1,869	3,183	4,079	4,816	4,817	4,856	2,340
Large cold storage areas	4,171	Q	Q	387	497	829	688	937	Q
Commercial ice makers	32,734	2,336	2,350	3,650	4,044	6,287	5,983	5,644	2,441
Residential-type or compact units	62,381	6,572	5,336	7,745	7,772	10,950	9,498	10,132	4,376
Vending machines	43,936	3,283	3,648	5,235	5,659	8,021	7,222	7,758	3,109
No refrigeration	13,448	2,154	1,112	1,399	1,784	2,418	2,194	1,658	728

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Office equipment (more than one may apply)									
Desktop computers	77,063	8,086	6,423	9,461	9,538	13,653	12,031	12,695	5,176
With flat screen monitors	76,160	7,893	6,329	9,299	9,404	13,558	11,934	12,584	5,159
With multiple monitors	30,946	2,607	2,218	3,169	3,901	6,209	5,188	5,238	2,417
Laptop computers	63,486	6,439	5,438	8,082	7,976	11,484	9,420	10,524	4,122
Dedicated servers	53,369	4,993	4,087	6,039	6,818	10,182	8,504	9,229	3,518
Laser printers	54,256	5,759	4,149	6,535	6,427	9,739	8,440	9,494	3,712
Inkjet printers	36,235	3,794	3,421	4,690	4,710	6,107	5,686	5,401	2,426
FAX machines	66,682	6,756	5,372	7,833	8,319	12,226	10,576	11,289	4,310
Photocopiers	59,277	6,058	4,801	7,324	7,421	10,637	9,117	10,088	3,830
Number of desktop computers									
None	10,030	1,922	958	901	1,308	1,578	1,772	1,044	547
1 to 4	15,669	2,489	1,752	1,977	1,854	2,329	1,940	2,241	1,087
5 to 9	9,422	792	569	1,261	1,299	1,675	1,659	1,388	778
10 to 19	9,388	526	704	1,163	1,023	1,542	1,870	2,005	556
20 to 49	13,094	971	882	1,362	1,428	2,839	2,253	2,122	1,237
50 to 99	8,284	954	844	1,000	969	1,427	1,294	1,410	Q
100 to 249	9,728	1,001	826	1,260	1,197	1,491	1,161	2,207	585
250 or more	11,478	1,354	847	1,438	1,768	2,348	1,854	1,322	547
Number of laptop computers									
None	23,607	3,570	1,943	2,280	2,870	3,746	4,383	3,215	1,600
1 to 4	21,161	2,545	1,772	2,846	2,686	3,394	2,922	3,293	1,702
5 to 9	8,345	540	670	1,130	1,227	1,587	1,519	1,323	Q
10 to 19	8,343	480	835	687	902	1,835	1,182	1,714	708
20 to 49	9,643	922	914	1,346	1,078	1,697	1,345	1,900	Q
50 to 99	5,234	760	413	591	600	919	702	787	462
100 to 249	5,217	652	206	1,006	646	905	839	819	Q
250 or more	5,542	539	628	476	837	1,146	911	688	317
Number of dedicated servers									
None	33,724	5,015	3,295	4,324	4,028	5,049	5,299	4,510	2,205
1 to 4	34,097	3,288	2,749	4,151	4,286	5,663	5,477	5,855	2,628
5 to 9	6,241	401	471	627	920	1,346	1,025	1,149	Q
10 to 19	5,711	517	455	421	470	1,585	1,000	1,088	Q
20 to 49	3,758	Q	Q	254	583	1,061	600	607	Q
50 or more	3,562	478	265	586	559	526	403	530	Q
Number of photocopiers									
None	27,816	3,951	2,580	3,038	3,425	4,593	4,686	3,651	1,892
One	17,080	1,658	1,626	2,296	2,253	2,728	2,514	2,974	1,030
2 to 4	20,312	1,843	1,540	2,619	2,132	3,624	3,252	3,736	1,567
5 to 9	8,863	706	861	936	1,033	1,771	1,385	1,611	Q
10 or more	13,022	1,851	774	1,473	2,003	2,514	1,966	1,767	674

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Number of TVs or video displays									
None	24,339	3,652	2,294	2,825	2,798	4,300	3,699	3,122	1,648
One	9,990	1,256	1,018	1,070	1,220	1,675	1,729	1,623	399
2 to 4	16,465	2,034	1,269	2,089	2,087	2,475	2,073	3,147	1,291
5 to 9	8,148	854	798	776	806	1,313	1,419	1,570	613
10 to 19	8,168	931	582	1,010	1,257	1,665	1,340	958	426
20 to 49	8,058	528	549	983	1,044	1,592	1,441	1,306	616
50 to 99	4,378	Q	492	582	438	613	848	874	Q
100 or more	7,547	521	379	1,029	1,197	1,597	1,255	1,139	430
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar or concession stand	9,884	978	592	1,291	1,305	1,775	1,547	1,738	658
Fast food or small restaurant	9,787	672	301	1,040	1,280	2,202	1,837	1,729	727
Cafeteria or large restaurant	15,222	1,297	1,467	1,961	2,162	2,742	2,478	2,287	828
Commercial kitchen/food preparation area	16,150	1,525	1,356	2,113	2,198	2,621	2,426	2,861	1,049
Small kitchen area	14,054	2,018	1,413	1,520	1,733	2,374	2,030	2,190	776
Separate computer areas (more than one may apply)									
Data center or server farm	11,105	911	670	1,281	1,643	2,408	1,632	1,922	637
Computer-based training room	17,723	1,762	1,429	2,025	2,254	2,465	3,228	3,354	1,208
Student or public computer center	14,341	1,086	1,633	2,365	1,750	2,085	1,830	2,682	910
HVAC conservation features (more than one may apply)									
Economizer cycle	30,749	2,661	2,446	3,845	3,834	5,081	5,067	5,075	2,739
Regular HVAC maintenance	69,244	6,583	5,533	8,425	8,633	12,410	10,844	11,929	4,887
Building automation system (BAS) ²	37,051	2,904	2,585	4,306	4,153	6,279	6,312	7,226	3,285
Window and interior lighting features (more than one may apply)									
Multipaned windows	60,362	5,727	4,717	6,562	6,572	10,740	10,190	11,041	4,813
Tinted window glass	45,025	2,966	3,151	5,045	5,890	9,467	7,535	7,954	3,016
Reflective window glass	15,908	948	1,125	1,460	1,767	3,421	2,670	3,037	1,480
External overhangs or awnings	32,188	2,265	2,664	4,153	4,657	5,542	5,329	5,478	2,100
Skylights or atriums	22,261	1,539	1,489	2,535	2,986	5,042	3,672	3,747	1,249
Light scheduling	30,263	2,353	1,849	3,008	3,772	5,631	5,958	5,238	2,453
Occupancy sensors	35,871	3,288	2,629	3,827	4,170	6,317	5,716	6,825	3,098
Multi-level lighting or dimming	14,534	1,077	980	1,420	1,590	2,850	2,517	2,905	1,195
Daylight harvesting	6,114	460	342	629	674	1,089	974	1,235	710
Demand responsive lighting	4,738	330	206	464	688	1,084	710	901	Q
Building automation system (BAS) for lighting ²	12,068	531	609	829	1,323	2,360	2,376	2,800	1,241

Table B9. Year constructed, floorspace, 2012

	Total floorspace (million square feet)								
	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
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Equipment usage reduced when building not in full use (more than one may apply)									
Heating	63,167	7,244	5,367	7,444	7,816	11,087	9,726	10,051	4,431
Cooling	62,516	6,737	5,120	7,164	8,045	11,139	9,711	10,399	4,203
Lighting	78,594	9,077	6,818	9,668	9,771	13,863	11,767	12,403	5,229

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.

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.

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Table B10. Number of floors, number of buildings and floorspace, 2012

	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	5,557	3,836	1,158	374	177	13	87,093	39,809	20,206	8,140	13,535	5,404
Building floorspace (square feet)												
1,001 to 5,000	2,777	2,195	423	137	Q	N	8,041	6,244	1,315	416	Q	N
5,001 to 10,000	1,229	836	301	74	Q	N	8,900	6,044	2,181	536	Q	N
10,001 to 25,000	884	519	254	78	32	N	14,105	8,129	4,162	1,234	581	N
25,001 to 50,000	332	161	100	46	24	Q	11,917	5,761	3,584	1,655	906	Q
50,001 to 100,000	199	81	54	24	39	Q	13,918	5,643	3,882	1,624	2,708	Q
100,001 to 200,000	90	32	18	12	26	3	12,415	4,355	2,538	1,537	3,552	433
200,001 to 500,000	38	10	7	3	12	6	10,724	2,630	1,915	918	3,466	1,795
Over 500,000	8	1	1	Q	2	3	7,074	1,004	630	Q	2,116	3,104
Principal building activity												
Education	389	266	66	36	19	Q	12,239	4,419	3,765	1,967	1,987	Q
Food sales	177	140	23	Q	N	N	1,252	949	223	Q	N	N
Food service	380	284	60	29	Q	N	1,819	1,205	388	162	Q	N
Health care	157	92	48	10	7	1	4,155	740	662	400	1,780	574
Inpatient	10	Q	Q	1	4	1	2,374	Q	Q	104	1,486	534
Outpatient	147	89	46	Q	2	Q	1,781	627	523	Q	294	Q
Lodging	158	49	53	23	30	3	5,826	697	912	817	2,194	1,206
Mercantile	602	441	116	32	Q	Q	11,330	8,616	1,986	349	Q	Q
Retail (other than mall)	438	303	91	32	Q	Q	5,439	3,951	991	279	Q	Q
Enclosed and strip malls	164	138	26	Q	Q	Q	5,890	4,665	995	Q	Q	Q
Office	1,012	554	277	118	56	7	15,952	3,644	3,577	1,877	3,949	2,904
Public assembly	352	223	87	24	18	Q	5,559	2,097	1,209	594	1,605	Q
Public order and safety	84	59	17	Q	Q	Q	1,440	509	293	Q	Q	Q
Religious worship	412	261	125	21	Q	N	4,557	1,916	2,030	426	Q	N
Service	619	495	94	24	Q	Q	4,630	2,996	1,157	236	Q	Q
Warehouse and storage	796	661	114	15	Q	N	13,077	9,153	2,925	683	Q	N
Other	125	94	24	Q	Q	Q	2,002	1,086	407	Q	Q	Q
Vacant	296	217	50	Q	8	Q	3,256	1,782	672	Q	544	Q
Year constructed												
Before 1920	362	77	126	106	51	Q	3,983	530	856	902	1,552	Q
1920 to 1945	488	240	125	91	29	2	6,025	1,550	860	1,244	1,527	845
1946 to 1959	599	419	130	32	18	1	7,381	3,194	1,926	642	1,404	215
1960 to 1969	639	423	170	27	18	2	10,362	3,969	3,192	1,070	1,364	767
1970 to 1979	684	515	136	20	11	2	10,846	4,970	3,000	700	1,332	844
1980 to 1989	915	699	171	27	15	3	15,230	7,897	3,135	996	1,899	1,303
1990 to 1999	845	690	109	31	13	1	13,803	7,756	2,866	827	1,708	646
2000 to 2003	375	280	76	14	5	Q	7,215	3,517	1,734	656	1,150	Q
2004 to 2007	347	258	74	10	5	Q	6,524	3,505	1,500	436	729	Q
2008 to 2012	303	235	41	15	11	Q	5,723	2,921	1,137	667	871	Q
Census region												
Northeast	805	360	236	147	60	4	15,534	3,865	4,098	2,421	3,409	1,742
Midwest	1,237	785	296	121	33	2	18,919	7,652	4,867	2,607	2,915	879
South	2,247	1,737	377	63	64	5	34,279	18,532	6,972	2,028	5,013	1,734
West	1,267	954	248	43	21	2	18,360	9,760	4,269	1,083	2,198	1,049

Table B10. Number of floors, number of buildings and floorspace, 2012

	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	5,557	3,836	1,158	374	177	13	87,093	39,809	20,206	8,140	13,535	5,404
Climate region¹												
Very cold/Cold	2,031	1,200	523	227	76	4	31,898	12,175	8,343	4,460	5,340	1,580
Mixed-humid	1,743	1,222	339	106	70	6	27,873	12,382	6,124	2,292	4,616	2,459
Mixed-dry/Hot-dry	837	664	134	23	16	1	12,037	6,815	2,492	697	1,577	455
Hot-humid	799	646	128	11	12	2	12,831	7,485	2,556	527	1,581	682
Marine	147	103	34	Q	3	Q	2,454	952	690	Q	420	Q
Elevators and escalators (more than one may apply)												
Any elevators	405	N	167	105	121	13	32,120	N	8,548	5,654	12,514	5,404
Number of elevators												
One	272	N	144	75	53	Q	11,158	N	6,069	2,771	2,305	Q
Two to five	118	N	22	29	61	5	12,817	N	2,335	2,579	7,010	893
Six or more	16	N	Q	1	7	8	8,145	N	Q	304	3,199	4,498
Any escalators	10	N	Q	Q	4	2	3,654	N	333	Q	1,372	1,813
Number of workers (main shift)												
Fewer than 5	2,892	2,191	494	164	42	Q	17,751	11,548	3,555	1,547	1,002	Q
5 to 9	1,085	767	220	77	21	Q	8,973	5,638	2,234	715	379	Q
10 to 19	731	475	197	42	16	Q	9,623	5,709	2,560	710	597	Q
20 to 49	513	282	152	55	24	Q	14,514	6,907	4,279	1,764	1,442	Q
50 to 99	206	87	65	21	31	1	13,476	5,841	3,670	1,372	2,290	303
100 to 249	93	31	24	11	27	2	10,941	3,289	2,711	1,240	3,289	412
250 or more	37	3	6	4	15	8	11,815	876	1,196	792	4,535	4,415
Weekly operating hours												
Fewer than 40	1,149	846	229	58	16	Q	8,220	4,998	1,974	587	617	Q
40 to 48	1,346	933	284	95	34	Q	15,828	8,264	4,018	1,479	1,836	Q
49 to 60	1,244	830	295	69	45	4	20,529	9,541	5,074	1,806	2,783	1,326
61 to 84	764	510	160	67	26	2	15,867	7,516	4,016	1,669	1,711	955
85 to 167	479	355	80	33	11	Q	9,395	4,788	2,281	970	1,296	Q
Open continuously	575	363	110	52	45	6	17,253	4,702	2,844	1,629	5,291	2,788
Ownership and occupancy												
Nongovernment owned	4,781	3,290	1,010	328	142	11	67,550	32,751	15,005	5,929	9,454	4,410
Owner occupied	2,466	1,651	552	191	70	2	30,637	13,707	7,954	3,564	4,439	973
Leased to tenant(s)	1,745	1,288	321	84	46	5	26,115	14,937	4,864	1,284	2,830	2,199
Owner occupied and leased	349	183	98	42	23	3	8,873	2,885	1,805	975	2,015	1,193
Unoccupied	221	169	38	Q	Q	Q	1,925	1,221	382	Q	Q	Q
Government owned	776	546	148	46	35	2	19,543	7,058	5,201	2,210	4,081	993
Federal	33	21	Q	Q	1	1	1,573	323	Q	Q	469	496
State	185	112	48	10	14	1	5,539	1,530	1,682	655	1,473	199
Local	558	413	90	35	20	Q	12,431	5,205	3,336	1,454	2,139	Q
Party responsible for operation and maintenance of energy systems												
Building owner	4,715	3,223	992	329	159	12	73,702	31,061	17,556	7,461	12,524	5,099
Business owner or tenant	724	537	137	38	12	Q	11,309	7,944	2,193	507	612	Q
Property management	54	41	8	Q	Q	Q	1,250	438	176	Q	Q	Q
Other	64	35	Q	Q	Q	Q	832	366	Q	Q	Q	Q

Table B10. Number of floors, number of buildings and floorspace, 2012

	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	5,557	3,836	1,158	374	177	13	87,093	39,809	20,206	8,140	13,535	5,404
Provider of direct input on energy-related equipment purchases												
Building owner	4,876	3,347	1,013	343	161	12	76,271	32,776	18,070	7,744	12,529	5,151
Business owner or tenant	540	394	114	22	10	Q	8,256	5,688	1,655	250	610	Q
Property management	35	26	Q	Q	Q	Q	880	378	Q	Q	Q	Q
Other	106	70	26	Q	Q	Q	1,686	967	360	Q	Q	Q
Number of establishments												
One	4,205	2,997	833	259	112	4	54,994	25,686	14,210	5,591	7,895	1,613
2 to 5	862	510	224	87	39	3	17,756	7,605	3,755	1,810	3,323	1,263
6 to 10	147	87	38	10	10	1	4,425	2,016	891	254	746	518
11 to 20	68	39	16	Q	6	2	3,704	1,851	467	Q	532	638
More than 20	27	17	2	Q	4	3	3,821	1,183	439	Q	720	1,327
Currently unoccupied	248	186	45	Q	Q	Q	2,393	1,470	444	Q	Q	Q
Campus or complex activity												
Not part of a campus or complex	3,683	2,470	817	272	116	8	52,275	24,692	13,112	4,929	6,580	2,961
Primary or secondary school	237	196	31	8	Q	N	4,616	2,284	1,374	553	Q	N
College or university	84	25	18	17	23	Q	4,068	359	640	653	2,125	Q
Office complex	154	82	53	12	6	1	3,456	830	745	347	809	725
Retail complex	258	208	40	Q	Q	Q	5,159	4,061	889	Q	Q	Q
Storage complex	314	288	20	Q	Q	N	3,212	2,468	404	Q	Q	N
Religious campus or complex	197	119	61	13	Q	Q	1,932	749	831	239	Q	Q
Health care complex	52	28	11	5	8	1	3,362	319	Q	341	1,727	556
Lodging or resort complex	65	36	24	Q	Q	Q	1,295	210	334	Q	Q	Q
Transportation complex	35	27	Q	Q	Q	Q	554	275	Q	Q	Q	Q
Government complex	104	71	23	Q	3	Q	2,107	523	461	Q	476	Q
Other	371	287	58	19	8	Q	5,057	3,040	893	360	682	Q
Predominant exterior wall material												
Brick, stone, or stucco	2,312	1,438	542	211	117	5	40,463	15,139	9,534	5,280	8,553	1,957
Concrete (block or poured)	1,121	812	244	39	24	3	20,726	10,766	5,215	1,280	2,263	1,202
Concrete panels	210	148	40	9	10	3	8,693	3,781	1,753	423	1,563	1,173
Siding or shingles	905	570	215	97	22	Q	5,750	2,938	1,610	708	400	Q
Metal panels	933	824	98	Q	Q	Q	8,673	6,511	1,696	Q	Q	Q
Window glass	17	Q	Q	Q	2	1	1,340	Q	Q	Q	396	590
Other	37	26	Q	Q	Q	Q	856	353	Q	Q	Q	Q
No one major type	21	Q	Q	Q	Q	Q	592	Q	Q	Q	Q	Q
Predominant roof material												
Metal surfacing	1,672	1,377	249	36	10	Q	15,916	11,145	3,198	560	757	Q
Synthetic or rubber	911	516	235	103	51	5	25,817	9,289	6,314	3,137	4,914	2,163
Built-up	836	576	159	47	49	5	21,835	8,821	4,922	1,783	4,230	2,078
Slate or tile shingles	406	261	92	33	20	Q	4,306	1,361	1,140	479	1,284	Q
Wooden materials (including shingles)	157	122	21	Q	Q	N	1,139	742	216	Q	Q	N
Asphalt, fiberglass, or other shingles	1,483	931	381	134	36	1	15,104	7,404	3,882	1,888	1,386	544
Concrete	51	34	Q	Q	5	1	1,642	530	Q	Q	461	278
Other	24	Q	Q	Q	Q	Q	678	Q	Q	Q	Q	Q
No one major type	18	Q	Q	Q	Q	Q	657	Q	Q	Q	Q	Q

Table B10. Number of floors, number of buildings and floorspace, 2012

	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	5,557	3,836	1,158	374	177	13	87,093	39,809	20,206	8,140	13,535	5,404
Roof characteristics												
Roof tilt												
Flat	1,960	1,298	415	137	99	11	49,623	18,851	11,361	4,942	9,767	4,702
Shallow pitch	2,148	1,653	383	83	28	Q	23,853	14,813	5,271	1,295	2,000	Q
Steeper pitch	1,449	885	359	154	50	Q	13,617	6,145	3,574	1,903	1,767	Q
Cool roof	740	505	154	48	29	4	19,630	8,205	4,406	1,560	3,563	1,897
Renovations in buildings constructed before 2008 (more than one may apply)												
Any type of renovation	2,094	1,250	552	195	88	9	42,216	15,663	10,408	4,547	7,555	4,043
Addition or annex	444	241	145	34	23	1	13,022	4,081	3,879	1,423	2,755	885
Reduction in floorspace	71	43	20	Q	1	1	1,753	589	512	Q	303	212
Roof replacement	987	574	267	100	42	5	20,917	6,744	5,453	2,494	3,900	2,325
Exterior wall replacement	194	111	48	28	7	1	4,230	1,196	1,285	617	684	448
Interior wall reconfiguration	889	506	245	86	48	5	21,340	6,684	4,805	2,416	4,831	2,605
Window replacement	560	271	162	88	37	3	12,265	3,516	2,927	1,554	2,823	1,444
HVAC equipment upgrade	1,101	594	322	118	60	6	26,779	8,828	6,588	2,933	5,258	3,173
Lighting upgrade	982	530	282	112	52	6	25,503	8,495	5,544	2,885	5,359	3,219
Electrical upgrade	747	392	222	86	43	4	16,160	5,230	3,764	1,741	3,553	1,872
Plumbing system upgrade	644	329	197	77	38	4	13,828	4,059	3,336	1,585	2,862	1,987
Insulation upgrade	382	188	110	60	22	1	7,607	2,404	1,840	996	1,620	748
Fire, safety, or security upgrade	616	289	198	78	45	6	17,196	4,263	4,022	2,060	4,297	2,554
Structural upgrade	152	65	47	30	8	1	3,913	1,041	966	525	809	573
Other	39	Q	Q	Q	Q	Q	848	Q	Q	Q	Q	Q
No renovations	3,160	2,351	564	164	78	4	39,154	21,225	8,661	2,926	5,109	1,233
Buildings constructed 2008 or later	303	235	41	15	11	Q	5,723	2,921	1,137	667	871	Q
Energy sources (more than one may apply)												
Electricity	5,234	3,555	1,128	365	175	12	84,869	38,053	19,928	8,102	13,417	5,368
Natural gas	2,933	1,832	723	245	124	8	58,725	24,497	14,665	6,084	9,764	3,715
Fuel oil	467	256	105	58	38	9	20,200	4,139	3,375	2,091	6,246	4,349
District heat	48	Q	11	10	18	3	5,964	Q	Q	544	2,830	1,900
District chilled water	54	17	13	8	15	1	4,608	219	578	404	2,523	883
Propane	510	351	110	38	11	Q	7,706	3,938	2,000	642	801	Q
Other	172	96	46	25	4	Q	3,826	1,364	1,217	463	600	Q
Energy end uses (more than one may apply)												
Buildings with space heating	4,722	3,113	1,072	355	170	12	80,078	34,513	19,411	7,896	12,992	5,265
Buildings with cooling	4,461	2,954	994	338	163	12	79,294	34,156	19,012	7,734	13,036	5,356
Buildings with water heating	4,423	2,862	1,039	344	166	12	79,015	33,591	19,088	7,932	13,141	5,264
Buildings with cooking	1,589	977	385	137	82	8	38,546	13,994	9,154	3,816	7,519	4,064
Buildings with manufacturing	259	168	64	19	7	Q	5,078	2,825	1,409	433	298	Q
Buildings with electricity generation	410	216	100	45	40	9	25,642	6,187	5,134	2,584	7,344	4,393
Percent of floorspace heated												
Not heated	835	723	86	Q	6	Q	7,015	5,296	795	Q	543	Q
1 to 50	697	489	151	42	15	Q	10,130	5,882	2,788	583	690	Q
51 to 99	727	418	170	93	42	4	14,650	5,845	2,862	1,500	2,606	1,836
100	3,298	2,206	750	220	114	8	55,298	22,786	13,761	5,812	9,697	3,242

Table B10. Number of floors, number of buildings and floorspace, 2012

	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	5,557	3,836	1,158	374	177	13	87,093	39,809	20,206	8,140	13,535	5,404
Percent of floorspace cooled												
Not cooled	1,096	882	164	36	14	Q	7,799	5,653	1,194	405	499	Q
1 to 50	1,173	782	275	85	30	Q	18,891	10,371	5,511	1,378	1,426	Q
51 to 99	897	482	227	121	61	6	22,728	7,750	4,834	2,590	4,713	2,840
100	2,391	1,690	492	132	72	5	37,676	16,035	8,666	3,766	6,896	2,313
Percent lit when open												
Zero	70	64	Q	Q	Q	N	322	288	Q	Q	Q	N
1 to 50	1,099	647	301	110	41	Q	12,628	5,680	3,641	1,600	1,571	Q
51 to 99	1,666	1,042	399	144	74	7	34,814	14,604	7,751	3,465	6,414	2,579
100	2,222	1,675	386	99	56	5	35,726	16,711	8,271	2,918	5,181	2,644
Building never open/electricity not used	501	408	68	Q	Q	Q	3,603	2,526	537	Q	Q	Q
Percent lit during off hours												
Zero	2,489	1,794	512	145	37	1	24,746	14,152	6,327	2,230	1,788	249
1 to 50	2,441	1,545	565	201	121	9	50,753	20,673	12,052	5,255	9,034	3,740
51 to 100	202	131	41	15	13	2	6,926	1,848	1,234	518	2,118	1,208
Building always open with no "off hours"	102	85	10	Q	3	(*)	2,443	1,380	316	Q	477	171
Electricity not used	323	282	30	Q	Q	Q	2,225	1,756	278	Q	Q	Q
Heating equipment (more than one may apply)												
Heat pumps	628	415	146	37	28	3	11,846	4,642	2,844	1,229	2,089	1,041
Furnaces	755	471	203	61	21	Q	8,654	4,356	2,518	857	826	Q
Individual space heaters	1,247	818	274	106	46	3	20,766	8,857	4,987	2,150	3,398	1,374
District heat	48	Q	11	10	18	3	5,925	Q	Q	544	2,791	1,900
Boilers	544	184	164	119	71	6	22,443	4,257	5,762	3,667	6,521	2,236
Packaged heating units	2,802	1,904	655	168	71	4	49,188	24,999	13,422	3,918	5,180	1,669
Other	62	42	14	Q	Q	Q	1,574	1,127	297	Q	Q	Q
Cooling equipment (more than one may apply)												
Residential-type central air conditioners	1,546	1,027	370	120	29	Q	14,765	8,638	4,035	1,185	816	Q
Heat pumps	692	465	162	35	29	2	12,538	5,319	3,056	1,155	2,029	979
Individual air conditioners	709	394	163	105	44	3	12,420	3,436	3,034	1,960	2,851	1,138
District chilled water	54	17	13	8	15	1	4,608	219	578	404	2,523	883
Central chillers	163	48	40	27	39	8	17,041	2,072	3,075	2,116	5,873	3,905
Packaged air conditioning units	1,909	1,301	419	115	69	6	45,153	21,523	11,281	3,795	6,087	2,466
Swamp coolers	109	89	13	Q	Q	Q	1,918	1,161	357	Q	Q	Q
Other	Q	Q	Q	Q	Q	Q	328	Q	Q	Q	Q	Q
Water-heating equipment												
Centralized system	3,348	2,179	786	259	118	6	47,534	20,177	11,762	5,148	7,998	2,450
Distributed system	690	451	156	58	23	2	12,688	6,094	3,133	1,181	1,646	635
Combination of centralized and distributed system	385	231	97	26	26	5	18,793	7,321	4,194	1,602	3,497	2,179

Table B10. Number of floors, number of buildings and floorspace, 2012

	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	5,557	3,836	1,158	374	177	13	87,093	39,809	20,206	8,140	13,535	5,404
Lighting equipment types (more than one may apply)												
Incandescent	1,826	1,071	474	171	104	7	38,406	13,966	9,208	3,886	7,842	3,504
Standard fluorescent	4,649	3,120	1,022	329	166	12	80,081	34,818	19,068	7,767	13,083	5,344
Compact fluorescent	2,302	1,372	577	210	132	12	53,816	18,664	12,629	5,761	11,610	5,152
High-intensity discharge	525	326	130	37	28	5	23,396	8,474	5,326	2,239	4,469	2,888
Halogen	905	506	245	85	62	7	28,059	9,952	5,781	2,789	6,053	3,484
LED	473	261	113	48	45	7	22,071	6,930	3,905	1,950	5,642	3,645
Other	10	Q	Q	Q	Q	Q	446	Q	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)												
Any refrigeration	3,984	2,602	915	301	154	12	73,645	31,001	17,915	7,152	12,368	5,209
Walk-in units	811	553	151	59	43	6	28,361	10,649	6,100	2,393	5,897	3,322
Cases or cabinets	915	605	182	77	44	7	28,719	10,961	5,918	2,625	5,730	3,485
Large cold storage areas	78	50	20	Q	4	(*)	4,171	1,931	942	Q	751	348
Commercial ice makers	846	541	183	60	54	7	32,734	11,581	6,986	2,980	7,380	3,807
Residential-type or compact units	3,388	2,176	800	267	135	10	62,381	25,926	15,363	6,139	10,708	4,245
Vending machines	960	563	235	78	75	10	43,936	15,933	9,519	4,288	9,715	4,481
No refrigeration	1,573	1,234	242	73	23	Q	13,448	8,809	2,290	988	1,167	Q
Food preparation or serving areas in non-food service buildings (more than one may apply)												
Snack bar or concession stand	153	99	34	10	8	2	9,884	2,655	2,051	1,080	2,379	1,719
Fast food or small restaurant	173	123	33	4	9	4	9,787	4,502	1,133	308	1,803	2,041
Cafeteria or large restaurant	130	56	35	14	22	3	15,222	3,435	3,686	1,563	4,054	2,483
Commercial kitchen/food preparation area	282	149	75	31	24	3	16,150	4,853	3,907	1,638	3,890	1,862
Small kitchen area	736	401	214	76	41	3	14,054	4,414	3,629	1,621	2,942	1,448
Window and interior lighting features (more than one may apply)												
Multipaned windows	3,012	1,914	720	250	119	9	60,362	25,811	14,300	6,199	10,016	4,036
Tinted window glass	1,875	1,284	400	116	67	8	45,025	19,777	10,137	4,063	7,385	3,663
Reflective window glass	549	344	144	32	26	4	15,908	5,890	3,716	1,461	2,919	1,922
External overhangs or awnings	1,867	1,283	419	113	49	4	32,188	16,607	7,423	2,367	3,976	1,815
Skylights or atriums	591	338	175	42	33	3	22,261	8,545	5,864	1,980	4,066	1,805
Light scheduling	918	598	211	59	43	7	30,263	12,166	6,418	2,568	5,639	3,473
Occupancy sensors	813	467	185	84	67	9	35,871	11,946	7,593	3,829	8,000	4,502
Multi-level lighting or dimming	349	199	84	34	28	4	14,534	5,358	2,657	1,381	3,136	2,002
Daylight harvesting	125	79	23	15	6	1	6,114	2,552	1,041	547	1,221	754
Demand responsive lighting	176	120	42	Q	3	1	4,738	2,723	1,069	Q	468	274
Building automation system (BAS) for lighting ²	208	148	38	8	12	3	12,068	5,368	2,428	602	2,276	1,394

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.