

Release date: February 2015

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Table B15. Employment size category, number of buildings, 2012

	Number of buildings (thousand)							
	All buildings	Number of workers						
		Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Building floorspace (square feet)								
1,001 to 5,000	2,777	1,984	547	217	30	N	N	N
5,001 to 10,000	1,229	550	331	239	108	Q	N	N
10,001 to 25,000	884	279	159	195	202	41	Q	Q
25,001 to 50,000	332	52	39	58	100	64	18	Q
50,001 to 100,000	199	21	7	17	56	62	33	4
100,001 to 200,000	90	5	Q	4	14	32	19	13
200,001 to 500,000	38	Q	Q	Q	2	6	15	12
Over 500,000	8	Q	Q	Q	Q	Q	1	6
Principal building activity								
Education	389	122	71	50	82	45	17	3
Food sales	177	118	32	Q	Q	Q	Q	N
Food service	380	136	119	88	35	N	Q	N
Health care	157	Q	60	32	21	9	9	5
Inpatient	10	N	N	N	Q	Q	2	4
Outpatient	147	Q	60	32	20	7	7	1
Lodging	158	73	29	22	18	10	5	1
Mercantile	602	265	132	95	72	27	10	2
Retail (other than mall)	438	251	89	59	26	9	Q	Q
Enclosed and strip malls	164	Q	42	37	45	18	6	1
Office	1,012	320	254	168	144	70	34	22
Public assembly	352	230	65	32	15	6	2	1
Public order and safety	84	Q	Q	Q	Q	9	Q	Q
Religious worship	412	296	61	42	11	Q	Q	N
Service	619	398	119	61	30	Q	Q	Q
Warehouse and storage	796	528	104	89	54	12	7	2
Other	125	75	Q	Q	Q	Q	Q	Q
Vacant	296	283	Q	Q	Q	Q	Q	Q
Year constructed								
Before 1920	362	235	60	37	20	6	4	1
1920 to 1945	488	324	87	30	28	13	5	2
1946 to 1959	599	380	96	59	32	25	6	2
1960 to 1969	639	316	133	81	68	26	12	2
1970 to 1979	684	329	145	107	65	21	12	6
1980 to 1989	915	435	178	131	105	38	19	9
1990 to 1999	845	421	168	124	85	30	12	6
2000 to 2003	375	171	73	57	43	17	10	4
2004 to 2007	347	158	70	54	37	18	8	2
2008 to 2012	303	123	76	50	30	13	7	2

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	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Census region								
Northeast	805	414	154	106	68	31	21	10
Midwest	1,237	715	224	129	104	41	18	7
South	2,247	1,163	448	297	198	97	32	11
West	1,267	600	259	200	143	36	22	8
Climate region¹								
Very cold/Cold	2,031	1,099	383	247	183	71	35	13
Mixed-humid	1,743	943	312	227	152	69	29	12
Mixed-dry/Hot-dry	837	380	189	138	85	25	17	4
Hot-humid	799	392	178	103	73	36	10	6
Marine	147	Q	Q	17	20	5	Q	2
Number of floors								
One	3,836	2,191	767	475	282	87	31	3
Two	1,158	494	220	197	152	65	24	6
Three	374	164	77	42	55	21	11	4
Four to nine	177	42	21	16	24	31	27	15
Ten or more	13	Q	Q	Q	Q	1	2	8
Elevators and escalators (more than one may apply)								
Any elevators	405	55	34	53	96	78	56	33
Number of elevators								
One	272	45	31	46	79	46	20	5
Two to five	118	10	Q	7	17	32	33	17
Six or more	16	Q	Q	N	Q	Q	3	12
Any escalators	10	Q	N	Q	Q	Q	1	3
Weekly operating hours								
Fewer than 40	1,149	982	98	46	17	Q	Q	Q
40 to 48	1,346	612	353	191	121	49	18	3
49 to 60	1,244	495	296	212	150	52	26	13
61 to 84	764	278	169	137	115	42	18	6
85 to 167	479	217	84	76	62	28	10	2
Open continuously	575	308	86	70	49	29	21	12
Ownership and occupancy								
Nongovernment owned								
Owner occupied	4,781	2,586	941	613	411	133	68	29
Leased to tenant(s)	2,466	1,418	506	294	165	49	27	8
Owner occupied and leased	1,745	838	345	263	185	69	29	15
Unoccupied	349	108	90	56	60	15	13	6
Government owned								
Federal	221	221	N	N	N	N	N	N
State	776	306	144	118	102	72	25	8
Local	33	Q	Q	Q	Q	Q	Q	1
	185	77	28	24	23	24	5	3
	558	218	111	90	74	44	17	4

Table B15. Employment size category, number of buildings, 2012

	Number of buildings (thousand)							
	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Party responsible for operation and maintenance of energy systems								
Building owner	4,715	2,554	889	586	402	171	80	33
Business owner or tenant	724	295	161	129	98	29	10	3
Property management	54	Q	Q	Q	Q	Q	Q	1
Other	64	Q	Q	Q	Q	Q	Q	Q
Provider of direct input on energy-related equipment purchases								
Building owner	4,876	2,626	932	604	421	177	83	34
Business owner or tenant	540	219	112	106	71	22	8	2
Property management	35	Q	Q	Q	Q	Q	Q	Q
Other	106	34	32	Q	19	Q	Q	Q
Number of establishments								
One	4,205	2,325	846	526	312	127	51	17
2 to 5	862	278	215	171	123	42	25	8
6 to 10	147	Q	21	29	50	16	4	4
11 to 20	68	Q	Q	Q	26	16	7	3
More than 20	27	Q	Q	N	Q	5	7	5
Currently unoccupied	248	248	N	N	N	N	N	N
Energy sources (more than one may apply)								
Electricity	5,234	2,570	1,084	731	513	206	93	37
Natural gas	2,933	1,225	606	498	348	154	74	27
Fuel oil	467	214	73	45	44	39	30	21
District heat	48	Q	Q	Q	11	7	7	7
District chilled water	54	Q	Q	Q	9	9	6	5
Propane	510	286	98	66	40	11	7	2
Other	172	84	36	24	11	9	6	2
Space-heating energy sources (more than one may apply)								
Electricity	2,858	1,217	658	425	341	141	54	22
Natural gas	2,612	1,126	527	434	306	134	64	21
Fuel oil	270	171	43	22	16	11	5	2
District heat	48	Q	Q	Q	11	7	7	6
Propane	342	218	55	40	23	Q	Q	Q
Other	101	63	Q	Q	Q	Q	Q	Q
Primary space-heating energy source								
Electricity	1,819	788	467	269	186	74	24	11
Natural gas	2,322	1,040	451	370	274	112	58	18
Fuel oil	205	136	33	Q	Q	7	2	Q
District heat	47	Q	Q	Q	11	7	7	6
Propane	261	172	46	27	Q	Q	Q	Q
Other	67	41	Q	Q	Q	Q	Q	Q

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	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Cooling energy sources (more than one may apply)								
Electricity	4,413	1,918	994	696	486	197	87	35
Natural gas	12	Q	N	N	Q	Q	Q	1
District chilled water	54	Q	Q	Q	9	9	6	5
Water-heating energy sources (more than one may apply)								
Electricity	2,658	1,207	606	376	290	115	45	20
Natural gas	1,758	644	354	339	239	110	55	17
Fuel oil	77	39	Q	Q	Q	Q	2	1
District heat	25	Q	Q	Q	5	4	6	5
Propane	142	71	37	23	Q	Q	Q	Q
Cooking energy sources (more than one may apply)								
Electricity	1,010	416	206	163	124	62	25	14
Natural gas	740	243	131	141	121	61	30	13
Propane	144	81	Q	22	Q	5	2	Q
Energy end uses (more than one may apply)								
Buildings with space heating	4,722	2,184	1,020	692	494	203	92	37
Buildings with cooling	4,461	1,932	999	699	498	203	93	37
Buildings with water heating	4,423	1,917	977	700	495	203	93	37
Buildings with cooking	1,589	660	308	271	197	92	40	21
Buildings with manufacturing	259	92	61	42	44	13	5	2
Buildings with electricity generation	410	89	67	65	63	58	45	23
Percent of floorspace heated								
Not heated	835	708	65	39	19	Q	Q	Q
1 to 50	697	366	165	92	57	10	5	1
51 to 99	727	331	153	107	74	41	14	7
100	3,298	1,487	702	493	362	152	74	29
Percent of floorspace cooled								
Not cooled	1,096	960	86	32	15	Q	Q	N
1 to 50	1,173	593	254	175	112	26	12	2
51 to 99	897	321	169	174	130	64	27	12
100	2,391	1,018	576	351	256	114	54	23
Percent lit when open								
Zero	70	68	Q	Q	N	N	N	N
1 to 50	1,099	754	201	83	45	12	3	1
51 to 99	1,666	616	372	284	234	103	44	13
100	2,222	957	508	364	233	90	46	23
Building never open/electricity not used	501	496	Q	N	Q	N	N	N

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	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Percent lit during off hours								
Zero	2,489	1,484	513	274	156	38	17	7
1 to 50	2,441	954	518	413	319	151	64	23
51 to 100	202	79	37	34	27	12	8	5
Building always open with no "off hours"	102	53	Q	Q	12	5	Q	1
Electricity not used	323	322	Q	N	N	N	N	N
Heating equipment (more than one may apply)								
Heat pumps	628	246	159	85	81	38	13	5
Furnaces	755	330	186	142	69	23	5	1
Individual space heaters	1,247	672	239	149	114	46	18	8
District heat	48	Q	Q	Q	11	7	7	6
Boilers	544	182	79	77	88	58	44	16
Packaged heating units	2,802	1,171	618	458	342	139	55	18
Other	62	Q	Q	Q	10	Q	2	Q
Cooling equipment (more than one may apply)								
Residential-type central air conditioners	1,546	736	379	255	136	30	10	1
Heat pumps	692	272	171	95	96	39	13	6
Individual air conditioners	709	389	127	88	60	23	16	5
District chilled water	54	Q	Q	Q	9	9	6	5
Central chillers	163	23	16	17	28	35	27	19
Packaged air conditioning units	1,909	644	418	353	288	132	53	21
Swamp coolers	109	48	26	Q	8	6	Q	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q
Main equipment replaced since 1990 (more than one may apply)								
Heating	1,874	892	418	248	194	82	31	9
Cooling	1,971	913	440	276	212	83	35	13
Water-heating equipment								
Centralized system	3,348	1,547	777	515	319	122	51	17
Distributed system	690	292	140	118	78	36	20	6
Combination of centralized and distributed system	385	78	61	66	98	46	23	14
Lighting equipment types (more than one may apply)								
Incandescent	1,826	813	364	281	206	98	43	21
Standard fluorescent	4,649	2,102	1,018	703	498	199	92	37
Compact fluorescent	2,302	885	501	385	292	140	66	33
High-intensity discharge (HID)	525	152	108	82	86	53	31	14
Halogen	905	327	180	148	130	70	32	18
LED	473	119	76	89	87	55	30	16
Other	10	Q	Q	Q	Q	Q	Q	Q

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	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Refrigeration equipment (more than one may apply)								
Any refrigeration	3,984	1,697	899	632	445	190	86	35
Walk-in units	811	229	169	150	139	75	34	16
Cases or cabinets	915	312	203	151	133	59	38	18
Large cold storage areas	78	Q	Q	Q	14	8	7	2
Commercial ice makers	846	232	167	160	141	80	43	23
Residential-type or compact units	3,388	1,449	764	532	379	162	72	30
Vending machines	960	195	169	159	205	132	69	31
No refrigeration	1,573	1,195	187	99	68	16	8	2
Office equipment (more than one may apply)								
Desktop computers	3,977	1,509	964	673	498	203	93	36
With flat screen monitors	3,847	1,406	949	665	496	203	93	36
With multiple monitors	911	174	190	171	205	84	59	28
Laptop computers	2,730	946	586	480	410	185	87	36
Dedicated servers	1,748	345	394	385	343	167	79	34
Laser printers	2,339	703	586	428	364	156	72	30
Inkjet printers	2,187	958	502	381	202	88	43	15
FAX machines	3,185	1,124	755	566	441	181	85	33
Photocopiers	2,163	573	486	421	386	179	84	34
Number of desktop computers								
None	1,581	1,382	121	58	Q	Q	Q	Q
1 to 4	2,039	1,283	468	211	70	Q	Q	Q
5 to 9	821	184	361	184	78	10	Q	Q
10 to 19	482	24	99	214	126	17	Q	Q
20 to 49	355	Q	32	57	161	70	17	Q
50 to 99	143	N	Q	Q	43	72	16	2
100 to 249	92	Q	N	Q	18	23	43	8
250 or more	44	N	N	Q	Q	8	11	23
Number of laptop computers								
None	2,827	1,946	499	251	103	21	7	Q
1 to 4	1,944	884	502	348	171	32	7	Q
5 to 9	350	41	69	98	102	30	8	Q
10 to 19	181	Q	Q	24	72	49	17	3
20 to 49	144	Q	Q	Q	52	47	26	6
50 to 99	58	Q	Q	Q	8	18	15	7
100 to 249	35	Q	Q	Q	Q	7	10	7
250 or more	20	Q	Q	Q	Q	Q	4	11

Table B15. Employment size category, number of buildings, 2012

	Number of buildings (thousand)							
	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Number of dedicated servers								
None	3,809	2,546	691	347	170	38	15	3
1 to 4	1,562	340	389	371	300	119	35	9
5 to 9	97	Q	Q	Q	27	30	19	4
10 to 19	50	Q	Q	Q	Q	13	14	7
20 to 49	25	N	N	Q	Q	5	9	6
50 or more	13	Q	N	Q	Q	Q	Q	8
Number of photocopiers								
None	3,394	2,319	599	310	127	26	10	3
One	1,325	516	377	267	134	26	5	Q
2 to 4	648	56	106	148	210	99	25	4
5 to 9	116	Q	Q	Q	33	40	28	6
10 or more	75	N	N	Q	Q	14	26	23
Number of TVs or video displays								
None	2,718	1,798	499	235	138	35	10	2
One	1,145	602	257	175	83	24	Q	Q
2 to 4	1,035	367	224	224	142	54	21	4
5 to 9	314	78	69	62	57	24	18	6
10 to 19	154	24	Q	13	50	26	14	9
20 to 49	106	Q	Q	Q	28	26	14	5
50 to 99	48	Q	Q	7	9	8	10	3
100 or more	37	Q	Q	5	7	8	4	7
Food preparation or serving areas in non-food service buildings (more than one may apply)								
Snack bar or concession stand	153	57	Q	26	21	18	12	6
Fast food or small restaurant	173	27	33	36	39	20	11	7
Cafeteria or large restaurant	130	Q	Q	9	37	43	18	12
Commercial kitchen/food preparation area	282	87	19	43	61	44	20	8
Small kitchen area	736	387	130	108	66	27	13	6
Separate computer areas (more than one may apply)								
Data center or server farm	97	Q	Q	Q	18	19	22	16
Computer-based training room	244	Q	31	35	68	51	25	16
Student or public computer center	238	38	30	34	64	46	21	6
HVAC conservation features (more than one may apply)								
Economizer cycle	601	132	93	94	128	83	48	24
Regular HVAC maintenance	3,178	1,171	690	549	449	190	92	37
Building automation system (BAS) ²	781	198	146	109	144	93	62	29

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	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	5,557	2,892	1,085	731	513	206	93	37
Window and interior lighting features (more than one may apply)								
Multipaned windows	3,012	1,253	664	488	351	157	72	28
Tinted window glass	1,875	685	412	301	264	125	62	26
Reflective window glass	549	180	124	87	80	42	23	13
External overhangs or awnings	1,867	781	433	306	214	87	33	12
Skylights or atriums	591	187	117	94	100	55	26	12
Light scheduling	918	271	205	163	140	79	38	21
Occupancy sensors	813	167	153	149	160	103	56	25
Multi-level lighting or dimming	349	89	57	61	76	38	19	9
Daylight harvesting	125	35	28	Q	25	14	10	4
Demand responsive lighting	176	64	30	31	28	16	6	1
Building automation system (BAS) for lighting ²	208	38	43	33	42	28	16	9
Equipment usage reduced when building not in full use (more than one may apply)								
Heating	3,699	1,678	792	557	401	165	77	29
Cooling	3,517	1,497	789	562	397	166	77	29
Lighting	4,757	2,200	1,046	702	489	197	87	36

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 B16. Employment size category, floorspace, 2012

	Total floorspace (million square feet)							
	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Building floorspace (square feet)								
1,001 to 5,000	8,041	5,362	1,768	794	117	N	N	N
5,001 to 10,000	8,900	3,843	2,389	1,793	869	Q	N	N
10,001 to 25,000	14,105	4,334	2,454	3,135	3,314	719	Q	Q
25,001 to 50,000	11,917	1,791	1,437	2,017	3,615	2,339	686	Q
50,001 to 100,000	13,918	1,332	447	1,051	4,036	4,388	2,328	337
100,001 to 200,000	12,415	677	Q	574	1,903	4,152	2,861	1,879
200,001 to 500,000	10,724	Q	Q	Q	595	1,544	4,078	3,842
Over 500,000	7,074	Q	Q	Q	Q	Q	845	5,718
Principal building activity								
Education	12,239	504	544	774	3,156	3,829	2,899	533
Food sales	1,252	422	161	Q	Q	Q	Q	N
Food service	1,819	434	507	518	303	N	Q	N
Health care	4,155	Q	305	220	368	388	681	2,141
Inpatient	2,374	N	N	N	Q	Q	236	1,974
Outpatient	1,781	Q	305	220	344	249	444	167
Lodging	5,826	998	516	900	1,088	861	654	809
Mercantile	11,330	1,236	1,291	1,232	2,590	2,333	1,789	859
Retail (other than mall)	5,439	1,135	888	841	993	861	Q	Q
Enclosed and strip malls	5,890	Q	403	391	1,597	1,472	1,194	732
Office	15,952	1,003	1,206	1,276	2,134	2,556	2,059	5,718
Public assembly	5,559	1,695	941	540	635	537	596	614
Public order and safety	1,440	Q	Q	Q	Q	421	Q	Q
Religious worship	4,557	2,397	751	595	560	Q	Q	N
Service	4,630	1,671	780	794	778	Q	Q	Q
Warehouse and storage	13,077	4,003	1,496	2,201	2,028	1,330	1,473	547
Other	2,002	393	Q	Q	Q	Q	Q	Q
Vacant	3,256	2,747	Q	Q	Q	Q	Q	Q
Year constructed								
Before 1920	3,983	1,586	407	363	392	458	356	421
1920 to 1945	6,025	1,752	714	480	675	835	456	1,114
1946 to 1959	7,381	1,890	723	755	1,043	1,472	812	686
1960 to 1969	10,362	2,109	1,185	1,167	2,016	1,610	1,321	955
1970 to 1979	10,846	2,100	1,175	1,425	1,706	1,171	1,139	2,131
1980 to 1989	15,230	2,678	1,443	1,566	2,771	2,371	1,849	2,552
1990 to 1999	13,803	2,546	1,252	1,686	2,460	2,305	1,802	1,752
2000 to 2003	7,215	1,020	685	754	1,344	1,082	1,377	954
2004 to 2007	6,524	1,118	647	715	1,082	1,216	981	765
2008 to 2012	5,723	954	743	711	1,026	955	849	485

Table B16. Employment size category, floorspace, 2012

	Total floorspace (million square feet)							
	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Census region								
Northeast	15,534	2,692	1,282	1,390	1,903	2,385	2,530	3,352
Midwest	18,919	4,286	1,910	1,880	3,372	2,761	2,314	2,397
South	34,279	7,336	3,553	3,814	5,611	6,076	4,163	3,726
West	18,360	3,438	2,227	2,538	3,628	2,254	1,934	2,341
Climate region¹								
Very cold/Cold	31,898	6,604	3,165	3,373	5,387	4,891	4,203	4,276
Mixed-humid	27,873	5,458	2,519	2,883	4,280	4,634	3,744	4,356
Mixed-dry/Hot-dry	12,037	2,616	1,537	1,708	2,115	1,441	1,554	1,066
Hot-humid	12,831	2,720	1,505	1,382	2,154	2,209	1,211	1,651
Marine	2,454	354	Q	277	577	302	Q	466
Number of floors								
One	39,809	11,548	5,638	5,709	6,907	5,841	3,289	876
Two	20,206	3,555	2,234	2,560	4,279	3,670	2,711	1,196
Three	8,140	1,547	715	710	1,764	1,372	1,240	792
Four to nine	13,535	1,002	379	597	1,442	2,290	3,289	4,535
Ten or more	5,404	Q	Q	Q	Q	303	412	4,415
Elevators and escalators (more than one may apply)								
Any elevators	32,120	1,669	796	1,532	4,453	5,970	6,960	10,741
Number of elevators								
One	11,158	839	664	1,082	2,907	2,915	2,023	729
Two to five	12,817	731	Q	451	1,505	2,754	4,079	3,178
Six or more	8,145	Q	Q	N	Q	Q	857	6,834
Any escalators	3,654	Q	N	Q	Q	Q	372	2,802
Weekly operating hours								
Fewer than 40	8,220	6,143	709	480	369	Q	Q	Q
40 to 48	15,828	3,098	2,383	2,200	3,156	2,875	1,466	649
49 to 60	20,529	2,890	2,509	3,043	3,861	2,696	2,534	2,996
61 to 84	15,867	1,774	1,638	1,704	3,191	2,799	2,646	2,116
85 to 167	9,395	1,296	716	759	1,941	2,400	1,485	798
Open continuously	17,253	2,550	1,019	1,437	1,998	2,408	2,640	5,203
Ownership and occupancy								
Nongovernment owned	67,550	15,635	7,865	7,911	11,024	8,465	7,679	8,971
Owner occupied	30,637	8,458	4,190	4,011	4,570	3,455	3,345	2,608
Leased to tenant(s)	26,115	4,456	2,798	3,222	4,568	3,914	3,152	4,004
Owner occupied and leased	8,873	795	877	679	1,886	1,096	1,182	2,359
Unoccupied	1,925	1,925	N	N	N	N	N	N
Government owned	19,543	2,116	1,108	1,711	3,490	5,011	3,262	2,844
Federal	1,573	Q	Q	Q	Q	Q	Q	873
State	5,539	675	279	505	1,036	1,522	720	802
Local	12,431	1,392	764	1,096	2,313	3,347	2,351	1,168

Table B16. Employment size category, floorspace, 2012

	Total floorspace (million square feet)							
	All buildings	Number of workers						100 to 249 workers
Fewer than 5 workers		5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers			
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Party responsible for operation and maintenance of energy systems								
Building owner	73,702	16,098	7,471	7,793	11,425	11,305	9,045	10,564
Business owner or tenant	11,309	1,395	1,234	1,671	2,796	1,824	1,550	840
Property management	1,250	Q	Q	Q	Q	Q	Q	373
Other	832	Q	Q	Q	Q	Q	Q	Q
Provider of direct input on energy-related equipment purchases								
Building owner	76,271	16,547	7,869	8,117	12,135	11,719	9,282	10,602
Business owner or tenant	8,256	935	840	1,206	1,951	1,271	1,249	803
Property management	880	Q	Q	Q	Q	Q	Q	Q
Other	1,686	174	225	Q	379	Q	Q	Q
Number of establishments								
One	54,994	13,276	6,712	6,905	8,722	8,068	6,459	4,853
2 to 5	17,756	1,785	2,002	2,291	3,443	3,184	2,404	2,647
6 to 10	4,425	Q	195	343	1,362	924	378	1,010
11 to 20	3,704	Q	Q	Q	855	955	772	939
More than 20	3,821	Q	Q	N	Q	346	928	2,366
Currently unoccupied	2,393	2,393	N	N	N	N	N	N
Energy sources (more than one may apply)								
Electricity	84,869	15,530	8,970	9,623	14,514	13,476	10,941	11,815
Natural gas	58,725	7,858	5,355	6,799	10,613	10,320	8,880	8,900
Fuel oil	20,200	1,489	717	765	1,824	3,137	4,040	8,229
District heat	5,964	Q	Q	Q	623	669	1,096	3,082
District chilled water	4,608	Q	Q	Q	505	683	982	1,986
Propane	7,706	1,689	902	932	1,246	1,052	958	927
Other	3,826	543	359	365	416	656	870	618
Space-heating energy sources (more than one may apply)								
Electricity	49,030	6,806	5,390	5,488	9,380	8,881	6,410	6,676
Natural gas	49,511	7,144	4,655	5,914	9,275	8,947	7,504	6,072
Fuel oil	4,351	998	348	311	555	786	710	644
District heat	5,925	Q	Q	Q	623	669	1,096	3,053
Propane	3,067	1,222	465	390	388	Q	Q	Q
Other	1,010	284	Q	Q	Q	Q	Q	Q
Primary space-heating energy source								
Electricity	26,205	4,326	3,673	3,380	4,997	4,367	2,446	3,015
Natural gas	42,988	6,471	3,941	4,804	7,987	7,604	6,863	5,317
Fuel oil	2,542	831	185	Q	Q	488	316	Q
District heat	5,797	Q	Q	Q	623	610	1,091	3,015
Propane	1,948	963	412	287	Q	Q	Q	Q
Other	598	167	Q	Q	Q	Q	Q	Q

Table B16. Employment size category, floorspace, 2012

	Total floorspace (million square feet)							
	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Cooling energy sources (more than one may apply)								
Electricity	76,034	11,383	8,177	9,070	13,707	12,844	10,076	10,777
Natural gas	732	Q	N	N	Q	Q	Q	378
District chilled water	4,608	Q	Q	Q	505	683	982	1,986
Water-heating energy sources (more than one may apply)								
Electricity	42,755	6,498	4,882	4,980	7,767	7,104	5,572	5,951
Natural gas	39,523	4,706	3,280	4,518	7,529	7,742	6,380	5,367
Fuel oil	1,911	319	Q	Q	Q	Q	347	332
District heat	4,551	Q	Q	Q	331	409	961	2,581
Propane	1,575	512	289	210	Q	Q	Q	Q
Cooking energy sources (more than one may apply)								
Electricity	25,151	2,425	1,747	2,080	3,839	5,012	3,989	6,060
Natural gas	24,770	1,747	1,095	1,501	4,502	5,178	4,852	5,895
Propane	2,001	510	Q	250	Q	438	268	Q
Energy end uses (more than one may apply)								
Buildings with space heating	80,078	12,931	8,492	8,970	14,126	13,184	10,805	11,570
Buildings with cooling	79,294	11,595	8,238	9,190	14,219	13,323	10,913	11,815
Buildings with water heating	79,015	11,783	8,205	9,137	14,097	13,171	10,912	11,711
Buildings with cooking	38,546	4,138	2,501	3,203	6,481	7,501	6,181	8,540
Buildings with manufacturing	5,078	556	519	787	1,231	965	508	512
Buildings with electricity generation	25,642	1,002	857	1,058	2,923	4,761	6,177	8,863
Percent of floorspace heated								
Not heated	7,015	4,820	481	652	389	Q	Q	Q
1 to 50	10,130	2,527	2,012	1,543	1,988	968	648	444
51 to 99	14,650	1,904	1,369	1,323	2,561	2,870	1,721	2,900
100	55,298	8,500	5,111	6,104	9,576	9,345	8,436	8,226
Percent of floorspace cooled								
Not cooled	7,799	6,156	735	433	295	Q	Q	N
1 to 50	18,891	4,108	2,862	3,207	3,724	2,240	1,977	775
51 to 99	22,728	2,234	1,525	2,227	3,822	4,519	3,543	4,858
100	37,676	5,253	3,851	3,757	6,674	6,565	5,394	6,182
Percent lit when open								
Zero	322	290	Q	Q	N	N	N	N
1 to 50	12,628	5,292	2,241	1,545	1,750	908	518	375
51 to 99	34,814	4,069	3,117	3,883	6,751	6,773	5,492	4,729
100	35,726	4,524	3,567	4,186	6,011	5,795	4,932	6,711
Building never open/electricity not used	3,603	3,576	Q	N	Q	N	N	N

Table B16. Employment size category, floorspace, 2012

Total floorspace (million square feet)

	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Percent lit during off hours								
Zero	24,746	8,412	3,865	3,571	3,546	2,276	1,747	1,330
1 to 50	50,753	6,180	4,582	5,367	9,737	9,673	7,520	7,692
51 to 100	6,926	597	401	545	866	1,060	1,172	2,285
Building always open with no "off hours"	2,443	340	Q	Q	366	467	Q	507
Electricity not used	2,225	2,221	Q	N	N	N	N	N
Heating equipment (more than one may apply)								
Heat pumps	11,846	1,366	1,230	1,234	2,268	2,409	1,490	1,849
Furnaces	8,654	1,921	1,264	1,758	1,678	1,278	387	367
Individual space heaters	20,766	3,710	2,274	2,219	3,752	3,323	2,390	3,097
District heat	5,925	Q	Q	Q	623	669	1,096	3,053
Boilers	22,443	1,908	982	1,219	3,764	4,610	4,938	5,021
Packaged heating units	49,188	6,967	5,320	6,041	9,817	9,055	6,596	5,393
Other	1,574	Q	Q	Q	448	Q	422	Q
Cooling equipment (more than one may apply)								
Residential-type central air conditioners	14,765	3,835	2,699	2,854	2,827	1,445	886	218
Heat pumps	12,538	1,498	1,127	1,442	2,657	2,538	1,358	1,918
Individual air conditioners	12,420	1,963	1,204	1,348	2,253	1,630	1,868	2,153
District chilled water	4,608	Q	Q	Q	505	683	982	1,986
Central chillers	17,041	531	334	475	1,765	3,087	3,736	7,112
Packaged air conditioning units	45,153	4,823	3,980	5,020	9,001	9,135	6,713	6,481
Swamp coolers	1,918	181	196	Q	312	461	Q	Q
Other	328	Q	Q	Q	Q	Q	Q	Q
Main equipment replaced since 1990 (more than one may apply)								
Heating	27,558	5,093	3,205	2,960	5,112	5,026	3,436	2,724
Cooling	30,702	5,268	3,249	3,384	5,497	5,273	3,971	4,060
Water-heating equipment								
Centralized system	47,534	8,984	6,262	6,320	7,957	7,105	5,614	5,292
Distributed system	12,688	1,713	1,188	1,690	2,282	2,192	1,893	1,730
Combination of centralized and distributed system	18,793	1,086	755	1,126	3,859	3,873	3,404	4,689
Lighting equipment types (more than one may apply)								
Incandescent	38,406	4,834	3,346	3,753	6,370	6,902	5,568	7,633
Standard fluorescent	80,081	12,622	8,446	9,292	14,195	13,040	10,782	11,704
Compact fluorescent	53,816	6,162	4,404	5,181	9,078	9,597	8,461	10,933
High-intensity discharge (HID)	23,396	1,664	1,445	1,673	3,603	4,563	4,441	6,007
Halogen	28,059	2,418	1,953	2,355	4,800	5,243	4,227	7,062
LED	22,071	993	902	1,360	3,548	4,223	4,231	6,814
Other	446	Q	Q	Q	Q	Q	Q	Q

Table B16. Employment size category, floorspace, 2012

Total floorspace (million square feet)

	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Refrigeration equipment (more than one may apply)								
Any refrigeration	73,645	10,252	7,466	8,231	13,005	12,696	10,456	11,539
Walk-in units	28,361	1,110	1,132	1,695	4,819	6,582	5,592	7,432
Cases or cabinets	28,719	1,895	1,569	1,971	4,419	5,651	5,584	7,630
Large cold storage areas	4,171	Q	Q	Q	641	988	1,059	994
Commercial ice makers	32,734	1,648	1,553	2,466	5,227	6,404	6,584	8,852
Residential-type or compact units	62,381	8,745	6,349	7,070	11,172	10,606	8,529	9,909
Vending machines	43,936	2,055	2,088	3,252	7,595	9,583	8,983	10,379
No refrigeration	13,448	7,499	1,507	1,392	1,509	780	485	276
Office equipment (more than one may apply)								
Desktop computers	77,063	9,500	8,102	9,113	14,384	13,400	10,883	11,680
With flat screen monitors	76,160	8,869	7,940	9,064	14,329	13,400	10,878	11,680
With multiple monitors	30,946	1,123	1,689	2,282	5,454	5,018	6,437	8,944
Laptop computers	63,486	6,124	5,236	6,526	12,038	11,781	10,129	11,652
Dedicated servers	53,369	2,434	3,346	5,419	10,417	11,235	9,428	11,089
Laser printers	54,256	4,395	4,780	6,192	10,407	10,174	8,524	9,783
Inkjet printers	36,235	6,047	4,259	4,772	6,145	5,717	4,861	4,434
FAX machines	66,682	6,919	6,514	7,733	12,796	12,043	9,889	10,790
Photocopiers	59,277	4,139	4,401	6,110	11,596	12,005	9,989	11,037
Number of desktop computers								
None	10,030	8,251	871	509	Q	Q	Q	Q
1 to 4	15,669	7,883	3,795	2,452	1,059	Q	Q	Q
5 to 9	9,422	1,110	2,981	2,670	1,824	532	Q	Q
10 to 19	9,388	186	811	2,836	3,937	1,248	Q	Q
20 to 49	13,094	Q	456	1,009	4,582	4,600	1,915	Q
50 to 99	8,284	N	Q	Q	1,655	3,872	1,989	588
100 to 249	9,728	Q	N	Q	1,123	1,790	4,253	2,536
250 or more	11,478	N	N	Q	Q	1,009	2,228	8,026
Number of laptop computers								
None	23,607	11,627	3,737	3,097	2,476	1,694	812	Q
1 to 4	21,161	5,332	4,274	4,350	4,279	2,096	651	Q
5 to 9	8,345	297	544	1,352	2,941	1,997	722	Q
10 to 19	8,343	Q	Q	448	2,274	2,538	2,102	768
20 to 49	9,643	Q	Q	Q	1,760	2,904	2,675	1,969
50 to 99	5,234	Q	Q	Q	365	1,197	1,542	1,925
100 to 249	5,217	Q	Q	Q	Q	786	1,575	2,202
250 or more	5,542	Q	Q	Q	Q	Q	862	4,117

Table B16. Employment size category, floorspace, 2012

	Total floorspace (million square feet)							
	Number of workers							
	All buildings	Fewer than 5 workers	5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers	100 to 249 workers	250 or more workers
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Number of dedicated servers								
None	33,724	15,317	5,627	4,204	4,097	2,241	1,513	726
1 to 4	34,097	2,377	3,303	5,202	8,917	7,893	4,123	2,282
5 to 9	6,241	Q	Q	Q	778	1,973	2,105	1,215
10 to 19	5,711	Q	Q	Q	Q	942	1,710	2,463
20 to 49	3,758	N	N	Q	Q	331	1,106	2,207
50 or more	3,562	Q	N	Q	Q	Q	Q	2,922
Number of photocopiers								
None	27,816	13,612	4,572	3,512	2,919	1,471	952	778
One	17,080	3,614	3,298	3,812	3,534	1,950	657	Q
2 to 4	20,312	515	1,079	2,212	6,778	6,167	2,684	878
5 to 9	8,863	Q	Q	Q	1,107	2,945	3,385	1,337
10 or more	13,022	N	N	Q	Q	943	3,263	8,608
Number of TVs or video displays								
None	24,339	10,826	3,738	2,986	3,351	1,803	1,157	479
One	9,990	2,850	1,859	1,850	1,730	1,220	Q	Q
2 to 4	16,465	2,485	2,082	2,909	3,563	2,920	1,718	788
5 to 9	8,148	608	562	748	1,645	1,757	1,614	1,212
10 to 19	8,168	358	Q	206	1,901	1,790	1,662	2,032
20 to 49	8,058	Q	Q	Q	1,223	2,218	2,035	1,917
50 to 99	4,378	Q	Q	359	442	775	1,556	1,028
100 or more	7,547	Q	Q	347	659	993	843	4,234
Food preparation or serving areas in non-food service buildings (more than one may apply)								
Snack bar or concession stand	9,884	423	Q	466	996	1,860	2,276	3,627
Fast food or small restaurant	9,787	152	331	422	1,567	1,878	2,045	3,394
Cafeteria or large restaurant	15,222	Q	Q	220	2,006	4,022	3,238	5,545
Commercial kitchen/food preparation area	16,150	908	270	678	2,840	4,019	3,324	4,111
Small kitchen area	14,054	2,451	1,344	1,531	2,152	1,888	1,988	2,699
Separate computer areas (more than one may apply)								
Data center or server farm	11,105	Q	Q	Q	640	1,341	2,766	6,137
Computer-based training room	17,723	Q	457	536	2,811	4,000	3,980	5,823
Student or public computer center	14,341	387	341	763	2,878	4,123	3,617	2,233
HVAC conservation features (more than one may apply)								
Economizer cycle	30,749	1,306	1,068	1,741	5,096	6,458	6,707	8,372
Regular HVAC maintenance	69,244	7,487	6,092	7,631	12,999	12,504	10,773	11,759
Building automation system (BAS) ²	37,051	1,805	1,665	1,807	5,777	7,791	8,283	9,921

Table B16. Employment size category, floorspace, 2012

	Total floorspace (million square feet)							
	All buildings	Number of workers						100 to 249 workers
Fewer than 5 workers		5 to 9 workers	10 to 19 workers	20 to 49 workers	50 to 99 workers			
All buildings	87,093	17,751	8,973	9,623	14,514	13,476	10,941	11,815
Window and interior lighting features (more than one may apply)								
Multipaned windows	60,362	8,759	5,648	6,431	10,699	10,800	8,685	9,339
Tinted window glass	45,025	5,507	3,612	4,157	8,059	8,361	7,229	8,099
Reflective window glass	15,908	1,453	1,112	1,217	2,545	2,874	2,691	4,016
External overhangs or awnings	32,188	4,240	3,562	3,722	6,005	5,730	4,542	4,389
Skylights or atriums	22,261	1,911	1,430	1,626	3,772	4,159	4,285	5,077
Light scheduling	30,263	2,165	2,102	2,350	4,866	6,231	4,817	7,732
Occupancy sensors	35,871	2,046	1,623	2,421	5,986	7,676	7,093	9,027
Multi-level lighting or dimming	14,534	734	656	908	2,713	3,082	2,933	3,509
Daylight harvesting	6,114	280	280	Q	1,055	1,003	1,425	1,856
Demand responsive lighting	4,738	323	296	440	1,000	1,035	988	656
Building automation system (BAS) for lighting ²	12,068	217	610	507	1,871	2,614	2,613	3,635
Equipment usage reduced when building not in full use (more than one may apply)								
Heating	63,167	9,710	6,343	6,934	11,237	11,100	8,888	8,956
Cooling	62,516	8,679	6,268	7,055	11,237	11,149	8,937	9,191
Lighting	78,594	12,874	8,611	9,178	13,834	12,628	10,322	11,147

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.

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Number of buildings (thousand)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Building floorspace (square feet)										
1,001 to 5,000	2,777	2,435	1,311	881	108	135	342	Q	81	252
5,001 to 10,000	1,229	1,101	570	402	88	41	129	Q	Q	104
10,001 to 25,000	884	753	377	260	85	30	131	Q	37	88
25,001 to 50,000	332	265	114	103	38	Q	67	Q	17	45
50,001 to 100,000	199	130	52	59	16	Q	69	Q	20	47
100,001 to 200,000	90	65	31	26	7	Q	25	Q	10	15
200,001 to 500,000	38	27	11	11	5	Q	11	Q	4	7
Over 500,000	8	6	2	3	2	Q	2	1	Q	1
Principal building activity										
Education	389	162	124	33	Q	N	227	Q	60	162
Food sales	177	177	93	69	Q	N	N	N	N	N
Food service	380	364	202	157	Q	N	Q	N	Q	Q
Health care	157	145	79	44	22	N	12	Q	3	8
Inpatient	10	7	5	Q	1	N	2	(*)	Q	2
Outpatient	147	138	74	43	21	N	9	Q	Q	Q
Lodging	158	151	119	29	3	N	7	N	Q	Q
Mercantile	602	598	233	314	51	N	Q	Q	Q	Q
Retail (other than mall)	438	434	233	179	23	N	Q	N	Q	Q
Enclosed and strip malls	164	164	N	135	29	N	Q	Q	N	N
Office	1,012	862	370	357	135	N	150	9	43	98
Public assembly	352	234	163	53	18	N	118	Q	21	97
Public order and safety	84	Q	Q	Q	Q	N	70	Q	Q	64
Religious worship	412	411	368	32	Q	N	Q	N	N	Q
Service	619	544	282	237	25	N	74	Q	Q	49
Warehouse and storage	796	743	334	364	44	N	53	Q	Q	Q
Other	125	109	65	36	Q	N	Q	Q	Q	Q
Vacant	296	267	Q	20	Q	221	29	Q	Q	24
Year constructed										
Before 1920	362	320	184	87	26	Q	42	Q	Q	34
1920 to 1945	488	415	250	122	17	Q	73	Q	18	52
1946 to 1959	599	514	258	164	38	54	85	Q	25	60
1960 to 1969	639	528	264	199	36	29	111	Q	36	68
1970 to 1979	684	596	311	219	39	27	88	Q	24	59
1980 to 1989	915	805	344	350	80	Q	110	Q	24	78
1990 to 1999	845	731	386	283	51	Q	114	3	18	93
2000 to 2003	375	310	183	104	16	Q	65	Q	14	47
2004 to 2007	347	302	144	127	24	Q	45	Q	Q	33
2008 to 2012	303	260	143	90	21	Q	42	N	Q	33
Census region										
Northeast	805	723	400	239	62	Q	83	Q	15	67
Midwest	1,237	1,066	629	329	69	40	171	9	31	131
South	2,247	1,958	983	721	140	115	289	14	77	198
West	1,267	1,034	455	457	78	43	233	Q	62	162

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Climate region¹										
Very cold/Cold	2,031	1,752	998	560	130	65	278	16	55	207
Mixed-humid	1,743	1,551	764	607	103	76	193	13	50	129
Mixed-dry/Hot-dry	837	679	305	286	53	35	158	Q	33	124
Hot-humid	799	674	351	228	53	43	125	Q	39	84
Marine	147	125	49	64	Q	Q	22	Q	Q	15
Number of floors										
One	3,836	3,290	1,651	1,288	183	169	546	21	112	413
Two	1,158	1,010	552	321	98	38	148	Q	48	90
Three	374	328	191	84	42	Q	46	Q	10	35
Four to nine	177	142	70	46	23	Q	35	1	14	20
Ten or more	13	11	2	5	3	Q	2	1	1	Q
Elevators and escalators (more than one may apply)										
Any elevators	405	305	147	94	58	5	100	7	34	60
Number of elevators										
One	272	204	105	57	38	Q	67	Q	23	41
Two to five	118	88	38	32	17	Q	30	Q	10	16
Six or more	16	13	4	5	4	Q	3	1	1	2
Any escalators	10	8	2	5	1	Q	2	Q	Q	1
Number of workers (main shift)										
Fewer than 5	2,892	2,586	1,418	838	108	221	306	Q	77	218
5 to 9	1,085	941	506	345	90	N	144	Q	28	111
10 to 19	731	613	294	263	56	N	118	Q	24	90
20 to 49	513	411	165	185	60	N	102	Q	23	74
50 to 99	206	133	49	69	15	N	72	Q	24	44
100 to 249	93	68	27	29	13	N	25	Q	5	17
250 or more	37	29	8	15	6	N	8	1	3	4
Weekly operating hours										
Fewer than 40	1,149	998	582	173	Q	221	151	Q	28	119
40 to 48	1,346	1,098	556	423	119	N	248	Q	69	171
49 to 60	1,244	1,080	542	434	104	N	164	7	40	117
61 to 84	764	676	300	328	47	N	88	Q	21	59
85 to 167	479	443	212	201	30	N	36	Q	14	20
Open continuously	575	487	274	186	27	N	88	Q	13	73
Party responsible for operation and maintenance of energy systems										
Building owner	4,715	3,984	2,416	1,062	304	202	731	31	173	527
Business owner or tenant	724	698	Q	619	39	Q	26	Q	Q	19
Property management	54	53	Q	40	Q	Q	Q	Q	N	Q
Other	64	47	Q	24	Q	Q	Q	Q	Q	Q

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Number of buildings (thousand)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Provider of direct input on energy-related equipment purchases										
Building owner	4,876	4,144	2,432	1,186	318	208	733	31	176	525
Business owner or tenant	540	520	Q	471	24	Q	20	Q	Q	Q
Property management	35	34	Q	30	Q	N	Q	Q	N	Q
Other	106	83	17	58	Q	Q	23	Q	Q	19
Number of establishments										
One	4,205	3,537	2,318	1,220	N	N	668	27	164	477
2 to 5	862	782	142	351	289	N	80	6	17	58
6 to 10	147	147	Q	103	40	N	Q	Q	Q	Q
11 to 20	68	67	Q	52	12	N	Q	Q	Q	Q
More than 20	27	27	N	20	7	N	Q	Q	N	Q
Currently unoccupied	248	221	N	N	N	221	27	N	Q	22
Campus or complex activity										
Not part of a campus or complex	3,683	3,355	1,729	1,177	273	176	328	20	44	264
Primary or secondary school	237	50	42	Q	Q	N	187	Q	56	128
College or university	84	47	44	Q	Q	N	37	Q	33	Q
Office complex	154	142	34	79	25	Q	12	Q	Q	Q
Retail complex	258	250	79	156	10	Q	Q	N	Q	Q
Storage complex	314	308	98	187	Q	Q	Q	N	Q	Q
Religious campus or complex	197	197	182	Q	Q	Q	N	N	N	N
Health care complex	52	43	27	10	Q	Q	9	(*)	Q	Q
Lodging or resort complex	65	64	51	Q	Q	Q	Q	N	Q	N
Transportation complex	35	19	Q	Q	Q	N	Q	N	Q	Q
Government complex	104	Q	Q	Q	Q	N	101	7	25	69
Other	371	302	173	100	15	Q	69	Q	15	52
Predominant exterior wall material										
Brick, stone, or stucco	2,312	1,947	971	713	164	99	365	16	85	264
Concrete (block or poured)	1,121	973	479	377	68	48	148	Q	36	105
Concrete panels	210	196	67	95	24	Q	14	Q	4	10
Siding or shingles	905	768	441	254	41	Q	137	Q	30	102
Metal panels	933	827	472	280	44	Q	106	Q	25	76
Window glass	17	15	Q	6	2	Q	Q	Q	Q	Q
Other	37	34	18	13	Q	N	Q	Q	Q	Q
No one major type	21	20	Q	Q	Q	N	Q	Q	Q	Q

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Number of buildings (thousand)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Predominant roof material										
Metal surfacing	1,672	1,448	827	488	80	53	224	Q	58	157
Synthetic or rubber	911	772	351	300	88	32	139	11	35	93
Built-up	836	663	258	298	62	44	173	6	39	129
Slate or tile shingles	406	365	186	145	19	Q	41	Q	Q	34
Wooden materials (including shingles)	157	146	63	76	Q	Q	Q	N	Q	Q
Asphalt, fiberglass, or other shingles	1,483	1,308	755	392	88	73	175	Q	38	132
Concrete	51	47	11	31	Q	Q	4	Q	Q	Q
Other	24	16	Q	Q	Q	N	Q	N	Q	Q
No one major type	18	16	Q	Q	Q	N	Q	Q	Q	Q
Roof characteristics										
Roof tilt										
Flat	1,960	1,680	656	800	141	83	280	22	77	181
Shallow pitch	2,148	1,871	1,012	633	136	90	277	Q	67	201
Steeper pitch	1,449	1,230	799	311	72	48	219	Q	41	176
Cool roof	740	601	339	198	52	Q	139	7	34	98
Renovations in buildings constructed before 2008 (more than one may apply)										
Any type of renovation	2,094	1,785	941	627	163	54	310	9	73	227
Addition or annex	444	363	234	88	35	Q	81	Q	20	57
Reduction in floorspace	71	64	26	21	10	Q	Q	Q	Q	Q
Roof replacement	987	817	466	256	67	Q	170	5	39	125
Exterior wall replacement	194	169	90	59	13	Q	26	Q	5	18
Interior wall reconfiguration	889	777	346	316	89	25	113	5	26	81
Window replacement	560	471	262	155	46	Q	89	Q	19	69
HVAC equipment upgrade	1,101	919	499	286	107	28	181	5	40	136
Lighting upgrade	982	805	419	283	84	Q	177	5	43	129
Electrical upgrade	747	653	345	221	65	Q	94	2	25	67
Plumbing system upgrade	644	557	290	199	51	Q	87	2	18	67
Insulation upgrade	382	320	175	104	35	Q	62	Q	11	49
Fire, safety, or security upgrade	616	522	291	167	56	Q	93	3	24	66
Structural upgrade	152	131	74	36	16	Q	21	Q	Q	16
Other	39	29	Q	Q	Q	N	Q	Q	Q	Q
No renovations	3,160	2,736	1,382	1,028	165	161	424	24	103	298
Buildings constructed 2008 or later	303	260	143	90	21	Q	42	N	Q	33
Energy sources (more than one may apply)										
Electricity	5,234	4,480	2,395	1,675	344	66	755	33	183	538
Natural gas	2,933	2,489	1,317	951	198	23	444	21	100	322
Fuel oil	467	365	223	108	29	Q	101	Q	15	83
District heat	48	22	13	Q	2	Q	26	1	18	7
District chilled water	54	17	14	2	1	N	37	Q	20	16
Propane	510	435	297	107	29	Q	75	Q	13	57
Other	172	145	100	31	13	Q	27	Q	Q	16

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Number of buildings (thousand)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Space-heating energy sources (more than one may apply)										
Electricity	2,858	2,464	1,264	958	221	22	394	19	100	275
Natural gas	2,612	2,203	1,162	838	181	22	409	18	91	300
Fuel oil	270	234	145	69	15	Q	36	Q	Q	32
District heat	48	22	13	Q	2	Q	26	1	18	7
Propane	342	290	202	67	19	Q	52	Q	Q	38
Other	101	96	72	Q	Q	N	Q	Q	Q	Q
Primary space-heating energy source										
Electricity	1,819	1,600	834	611	136	Q	219	Q	58	149
Natural gas	2,322	1,944	1,025	735	163	21	378	17	81	281
Fuel oil	205	176	109	52	Q	Q	29	Q	Q	26
District heat	47	21	13	Q	2	Q	26	1	18	7
Propane	261	223	171	43	Q	Q	38	Q	Q	26
Other	67	63	47	Q	Q	N	Q	N	Q	Q
Cooling energy sources (more than one may apply)										
Electricity	4,413	3,802	2,038	1,415	322	26	611	32	142	437
Natural gas	12	11	Q	Q	Q	N	Q	Q	Q	Q
District chilled water	54	17	14	2	1	N	37	Q	20	16
Water-heating energy sources (more than one may apply)										
Electricity	2,658	2,323	1,195	904	213	Q	335	18	75	242
Natural gas	1,758	1,482	806	541	121	Q	275	14	66	195
Fuel oil	77	63	45	Q	Q	N	14	Q	Q	12
District heat	25	13	10	1	2	N	12	1	10	2
Propane	142	120	86	27	Q	Q	22	Q	Q	Q
Cooking energy sources (more than one may apply)										
Electricity	1,010	846	544	253	46	Q	165	7	27	131
Natural gas	740	646	352	247	44	Q	94	1	19	73
Propane	144	125	87	30	Q	N	19	Q	Q	17
Energy end uses (more than one may apply)										
Buildings with space heating	4,722	4,028	2,198	1,458	325	47	694	33	168	493
Buildings with cooling	4,461	3,817	2,046	1,421	324	26	644	33	159	452
Buildings with water heating	4,423	3,791	2,048	1,401	316	26	632	33	146	452
Buildings with cooking	1,589	1,359	854	416	82	Q	230	8	40	182
Buildings with manufacturing	259	248	130	100	18	N	10	Q	Q	Q
Buildings with electricity generation	410	266	160	75	30	Q	144	6	27	111

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Percent of floorspace heated										
Not heated	835	753	268	287	24	174	82	Q	Q	65
1 to 50	697	640	323	253	56	Q	57	Q	Q	37
51 to 99	727	623	326	231	61	Q	103	4	26	73
100	3,298	2,764	1,549	974	208	34	534	24	127	383
Percent of floorspace cooled										
Not cooled	1,096	964	420	323	Q	195	132	N	26	106
1 to 50	1,173	1,033	524	411	94	Q	140	Q	29	102
51 to 99	897	755	394	289	69	Q	143	5	41	97
100	2,391	2,030	1,128	722	161	Q	361	19	89	253
Percent lit when open										
Zero	70	67	Q	Q	Q	N	Q	N	Q	Q
1 to 50	1,099	977	564	333	80	N	122	Q	24	90
51 to 99	1,666	1,422	703	567	152	N	244	15	69	160
100	2,222	1,859	1,052	697	110	N	363	10	81	271
Building never open/electricity not used	501	456	127	102	Q	221	45	Q	Q	36
Percent lit during off hours										
Zero	2,489	2,101	1,217	711	128	45	388	Q	102	274
1 to 50	2,441	2,111	1,035	852	203	21	330	21	77	232
51 to 100	202	178	94	74	10	N	24	Q	4	19
Building always open with no "off hours"	102	89	48	38	Q	N	13	Q	Q	Q
Electricity not used	323	301	71	69	Q	155	Q	N	Q	Q
Heating equipment (more than one may apply)										
Heat pumps	628	507	286	164	54	Q	121	Q	28	90
Furnaces	755	681	378	236	57	Q	74	Q	19	51
Individual space heaters	1,247	1,068	585	383	91	Q	179	Q	45	126
District heat	48	22	13	Q	2	Q	26	1	18	7
Boilers	544	405	243	120	38	Q	139	7	31	102
Packaged heating units	2,802	2,443	1,249	969	201	25	359	20	84	255
Other	62	55	26	26	Q	Q	Q	Q	Q	Q
Cooling equipment (more than one may apply)										
Residential-type central air conditioners	1,546	1,398	767	507	115	Q	148	Q	34	102
Heat pumps	692	567	323	183	58	Q	125	Q	30	93
Individual air conditioners	709	600	342	203	50	Q	109	Q	21	82
District chilled water	54	17	14	2	1	N	37	Q	20	16
Central chillers	163	89	52	24	11	Q	74	6	21	47
Packaged air conditioning units	1,909	1,646	790	692	155	Q	263	12	62	190
Swamp coolers	109	96	58	36	Q	N	14	Q	Q	Q
Other	Q	Q	Q	Q	Q	N	Q	Q	Q	Q

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Main equipment replaced since 1990 (more than one may apply)										
Heating	1,874	1,624	904	569	137	Q	250	11	73	166
Cooling	1,971	1,729	945	626	146	Q	242	12	67	163
Water-heating equipment										
Centralized system	3,348	2,851	1,634	1,001	195	21	497	29	106	362
Distributed system	690	617	289	251	75	Q	72	Q	22	50
Combination of centralized and distributed system	385	323	125	149	46	Q	62	3	19	40
Lighting equipment types (more than one may apply)										
Incandescent	1,826	1,637	910	575	147	Q	189	12	46	132
Standard fluorescent	4,649	3,955	2,104	1,501	329	20	695	33	166	496
Compact fluorescent	2,302	1,997	1,096	721	177	Q	305	15	82	208
High-intensity discharge (HID)	525	421	189	178	54	Q	104	6	29	69
Halogen	905	826	408	325	93	Q	79	8	25	45
LED	473	395	169	179	47	Q	78	Q	19	55
Other	10	Q	Q	Q	Q	N	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)										
Any refrigeration	3,984	3,449	1,899	1,247	288	Q	535	26	124	385
Walk-in units	811	711	345	315	49	Q	100	2	24	74
Cases or cabinets	915	812	411	340	57	Q	103	Q	20	80
Large cold storage areas	78	73	32	33	7	N	6	Q	Q	3
Commercial ice makers	846	726	395	273	54	Q	120	2	40	77
Residential-type or compact units	3,388	2,924	1,625	1,030	259	Q	464	23	106	334
Vending machines	960	763	346	332	82	Q	197	11	62	124
No refrigeration	1,573	1,332	568	498	61	206	241	Q	61	174
Office equipment (more than one may apply)										
Desktop computers	3,977	3,353	1,728	1,314	308	Q	624	32	151	441
With flat screen monitors	3,847	3,236	1,652	1,276	305	Q	611	32	147	432
With multiple monitors	911	768	305	351	112	N	143	8	45	90
Laptop computers	2,730	2,293	1,103	944	244	Q	437	15	109	314
Dedicated servers	1,748	1,481	675	630	175	Q	267	14	66	187
Laser printers	2,339	1,938	923	810	205	Q	401	24	88	289
Inkjet printers	2,187	1,883	1,004	711	167	Q	305	10	71	224
FAX machines	3,185	2,746	1,370	1,097	275	Q	439	24	95	320
Photocopiers	2,163	1,785	935	654	193	Q	378	17	91	270

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All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Number of desktop computers										
None	1,581	1,429	738	430	41	219	152	Q	34	117
1 to 4	2,039	1,816	1,051	672	91	Q	223	Q	45	163
5 to 9	821	709	353	284	72	N	112	Q	28	74
10 to 19	482	415	166	174	75	N	67	Q	17	48
20 to 49	355	258	102	115	40	Q	97	Q	24	72
50 to 99	143	84	30	39	14	N	60	Q	19	38
100 to 249	92	47	18	19	10	N	45	Q	12	32
250 or more	44	24	8	11	5	N	20	1	5	14
Number of laptop computers										
None	2,827	2,488	1,363	801	105	219	339	Q	76	244
1 to 4	1,944	1,702	883	664	152	Q	242	Q	52	182
5 to 9	350	297	108	141	48	N	53	Q	12	38
10 to 19	181	146	49	75	22	N	35	Q	8	25
20 to 49	144	87	38	36	14	N	56	Q	19	36
50 to 99	58	31	12	15	4	N	26	Q	8	18
100 to 249	35	18	9	6	3	N	16	Q	6	10
250 or more	20	12	5	6	2	N	8	(*)	2	5
Number of dedicated servers										
None	3,809	3,300	1,792	1,114	173	221	509	Q	119	371
1 to 4	1,562	1,342	629	565	147	Q	220	9	49	162
5 to 9	97	76	19	44	13	N	21	Q	9	10
10 to 19	50	35	16	10	9	N	15	Q	6	8
20 to 49	25	18	6	7	4	N	8	Q	2	6
50 or more	13	10	4	5	2	N	3	(*)	Q	Q
Number of photocopiers										
None	3,394	2,997	1,531	1,090	156	219	398	Q	93	289
One	1,325	1,138	671	379	85	Q	187	Q	36	141
2 to 4	648	510	225	208	77	N	137	Q	39	94
5 to 9	116	78	19	40	20	N	37	Q	11	23
10 or more	75	57	20	27	11	N	17	1	5	11
Number of TVs or video displays										
None	2,718	2,384	1,154	868	143	219	333	Q	74	244
One	1,145	984	558	373	52	Q	160	Q	36	113
2 to 4	1,035	883	472	311	98	Q	153	Q	36	113
5 to 9	314	273	149	94	31	N	41	Q	12	29
10 to 19	154	110	51	48	11	N	44	Q	12	29
20 to 49	106	80	37	35	8	N	26	Q	5	20
50 to 99	48	39	26	9	3	N	10	Q	3	7
100 or more	37	28	20	6	2	N	9	(*)	6	3

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Number of buildings (thousand)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Food preparation or serving areas in non-food service buildings (more than one may apply)										
Snack bar or concession stand	153	123	57	47	19	N	30	1	8	21
Fast food or small restaurant	173	169	43	99	27	N	5	Q	Q	3
Cafeteria or large restaurant	130	64	29	25	10	N	66	1	13	52
Commercial kitchen/food preparation area	282	221	137	60	22	Q	61	(*)	13	48
Small kitchen area	736	616	459	113	39	Q	119	Q	17	96
Separate computer areas (more than one may apply)										
Data center or server farm	97	65	31	25	9	N	31	Q	9	20
Computer-based training room	244	158	69	68	20	N	86	2	28	55
Student or public computer center	238	121	69	38	15	N	117	Q	28	88
HVAC conservation features (more than one may apply)										
Economizer cycle	601	429	217	167	41	Q	172	6	45	121
Regular HVAC maintenance	3,178	2,630	1,436	935	234	26	547	28	143	376
Building automation system (BAS) ²	781	538	279	206	51	Q	243	9	61	173
Window and interior lighting features (more than one may apply)										
Multipaned windows	3,012	2,586	1,400	887	219	80	426	20	95	311
Tinted window glass	1,875	1,598	780	618	159	41	277	11	67	199
Reflective window glass	549	489	237	193	57	Q	60	5	16	39
External overhangs or awnings	1,867	1,633	777	680	140	36	234	9	68	157
Skylights or atriums	591	508	225	208	63	Q	83	6	26	50
Light scheduling	918	787	348	360	76	Q	130	11	33	86
Occupancy sensors	813	612	251	300	61	Q	201	7	53	140
Multi-level lighting or dimming	349	309	149	128	32	Q	40	Q	13	24
Daylight harvesting	125	102	58	29	12	Q	24	Q	8	10
Demand responsive lighting	176	154	64	75	15	N	23	Q	Q	11
Building automation system (BAS) for lighting ²	208	168	57	94	17	Q	41	2	10	28
Equipment usage reduced when building not in full use (more than one may apply)										
Heating	3,699	3,156	1,699	1,142	283	33	543	29	138	376
Cooling	3,517	3,000	1,585	1,117	283	15	516	30	133	352
Lighting	4,757	4,053	2,199	1,516	338	N	704	33	174	498

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Number of buildings (thousand)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558

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 B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

	Total floorspace (million square feet)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Building floorspace (square feet)										
1,001 to 5,000	8,041	7,077	3,871	2,526	382	298	964	Q	230	713
5,001 to 10,000	8,900	7,953	4,118	2,932	635	267	947	Q	Q	765
10,001 to 25,000	14,105	11,987	6,045	4,149	1,305	488	2,117	Q	621	1,373
25,001 to 50,000	11,917	9,482	4,067	3,656	1,353	Q	2,435	Q	647	1,649
50,001 to 100,000	13,918	9,104	3,712	4,051	1,106	Q	4,814	Q	1,327	3,351
100,001 to 200,000	12,415	8,905	4,306	3,493	1,025	Q	3,510	Q	1,392	1,989
200,001 to 500,000	10,724	7,634	2,976	3,084	1,482	Q	3,090	Q	1,024	1,928
Over 500,000	7,074	5,408	1,542	2,223	1,584	Q	1,666	806	Q	663
Principal building activity										
Education	12,239	3,084	2,471	327	Q	N	9,154	Q	2,408	6,689
Food sales	1,252	1,252	612	448	Q	N	N	N	N	N
Food service	1,819	1,702	1,008	656	Q	N	Q	N	Q	Q
Health care	4,155	3,523	2,007	584	932	N	632	143	178	311
Inpatient	2,374	1,900	1,247	Q	450	N	475	104	156	214
Outpatient	1,781	1,623	760	381	482	N	158	Q	Q	Q
Lodging	5,826	5,360	3,656	1,130	574	N	466	N	Q	Q
Mercantile	11,330	11,298	3,189	6,566	1,543	N	Q	Q	Q	Q
Retail (other than mall)	5,439	5,427	3,189	1,628	610	N	Q	N	Q	Q
Enclosed and strip malls	5,890	5,871	N	4,938	933	N	Q	Q	N	N
Office	15,952	12,815	3,169	7,118	2,528	N	3,136	600	1,203	1,333
Public assembly	5,559	3,178	2,049	508	620	N	2,381	Q	514	1,736
Public order and safety	1,440	Q	Q	Q	Q	N	1,274	Q	Q	1,019
Religious worship	4,557	4,542	4,097	224	Q	N	Q	N	N	Q
Service	4,630	3,800	1,803	1,629	368	N	830	Q	Q	375
Warehouse and storage	13,077	12,316	5,098	5,989	1,229	N	761	Q	Q	Q
Other	2,002	1,826	1,181	443	Q	N	Q	Q	Q	Q
Vacant	3,256	2,689	Q	455	Q	1,925	567	Q	Q	411
Year constructed										
Before 1920	3,983	3,116	1,274	979	644	Q	867	Q	Q	393
1920 to 1945	6,025	4,071	2,146	1,386	410	Q	1,954	447	429	1,079
1946 to 1959	7,381	5,253	2,918	1,458	628	249	2,128	Q	679	1,413
1960 to 1969	10,362	7,070	3,356	2,554	911	249	3,293	Q	991	2,097
1970 to 1979	10,846	8,539	3,618	3,578	1,048	295	2,306	Q	895	1,246
1980 to 1989	15,230	13,074	4,465	5,961	2,277	Q	2,156	Q	580	1,509
1990 to 1999	13,803	10,757	5,366	4,076	1,066	Q	3,046	277	687	2,081
2000 to 2003	7,215	5,796	3,051	2,159	539	Q	1,419	Q	311	1,004
2004 to 2007	6,524	5,143	2,192	2,206	700	Q	1,381	Q	397	851
2008 to 2012	5,723	4,729	2,251	1,757	651	Q	994	N	Q	757
Census region										
Northeast	15,534	11,913	5,454	4,430	1,786	Q	3,621	Q	1,149	2,213
Midwest	18,919	14,177	7,338	4,720	1,767	352	4,742	275	1,158	3,310
South	34,279	26,441	12,119	10,105	3,242	975	7,839	835	2,111	4,893
West	18,360	15,019	5,726	6,860	2,078	355	3,341	204	1,122	2,015

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Climate region¹										
Very cold/Cold	31,898	24,295	12,072	8,401	3,199	624	7,603	402	2,300	4,901
Mixed-humid	27,873	20,730	9,096	8,427	2,804	404	7,143	996	1,891	4,256
Mixed-dry/Hot-dry	12,037	10,197	4,141	4,430	1,313	313	1,840	Q	468	1,305
Hot-humid	12,831	10,246	4,636	3,831	1,225	554	2,585	Q	747	1,743
Marine	2,454	2,081	693	1,026	332	Q	372	Q	Q	225
Number of floors										
One	39,809	32,751	13,707	14,937	2,885	1,221	7,058	323	1,530	5,205
Two	20,206	15,005	7,954	4,864	1,805	382	5,201	Q	1,682	3,336
Three	8,140	5,929	3,564	1,284	975	Q	2,210	Q	655	1,454
Four to nine	13,535	9,454	4,439	2,830	2,015	Q	4,081	469	1,473	2,139
Ten or more	5,404	4,410	973	2,199	1,193	Q	993	496	199	Q
Elevators and escalators (more than one may apply)										
Any elevators	32,120	21,858	9,683	7,287	4,618	270	10,262	1,177	3,193	5,892
Number of elevators										
One	11,158	6,522	3,576	1,732	1,124	Q	4,636	Q	1,687	2,848
Two to five	12,817	9,288	4,250	3,235	1,668	Q	3,529	256	1,162	2,112
Six or more	8,145	6,048	1,857	2,320	1,826	Q	2,097	820	344	932
Any escalators	3,654	2,560	471	1,246	819	Q	1,094	Q	Q	582
Number of workers (main shift)										
Fewer than 5	17,751	15,635	8,458	4,456	795	1,925	2,116	Q	675	1,392
5 to 9	8,973	7,865	4,190	2,798	877	N	1,108	Q	279	764
10 to 19	9,623	7,911	4,011	3,222	679	N	1,711	Q	505	1,096
20 to 49	14,514	11,024	4,570	4,568	1,886	N	3,490	Q	1,036	2,313
50 to 99	13,476	8,465	3,455	3,914	1,096	N	5,011	Q	1,522	3,347
100 to 249	10,941	7,679	3,345	3,152	1,182	N	3,262	Q	720	2,351
250 or more	11,815	8,971	2,608	4,004	2,359	N	2,844	873	802	1,168
Weekly operating hours										
Fewer than 40	8,220	6,625	3,606	890	Q	1,925	1,596	Q	303	1,241
40 to 48	15,828	10,950	4,932	4,295	1,723	N	4,878	Q	1,293	3,416
49 to 60	20,529	15,766	6,461	7,095	2,210	N	4,763	312	1,001	3,450
61 to 84	15,867	12,911	4,234	6,902	1,775	N	2,955	Q	857	1,838
85 to 167	9,395	7,572	3,447	3,238	888	N	1,823	Q	828	851
Open continuously	17,253	13,725	7,958	3,695	2,073	N	3,528	635	1,257	1,636
Party responsible for operation and maintenance of energy systems										
Building owner	73,702	54,927	30,060	15,337	7,818	1,713	18,775	1,525	5,359	11,891
Business owner or tenant	11,309	10,819	Q	9,557	816	Q	489	Q	Q	Q
Property management	1,250	1,144	Q	839	Q	Q	Q	Q	N	Q
Other	832	659	Q	382	Q	Q	Q	Q	Q	Q

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Provider of direct input on energy-related equipment purchases										
Building owner	76,271	57,471	30,242	17,233	8,205	1,792	18,800	1,473	5,454	11,873
Business owner or tenant	8,256	7,906	Q	7,239	382	Q	350	Q	Q	Q
Property management	880	826	Q	646	Q	N	Q	Q	N	Q
Other	1,686	1,347	158	996	Q	Q	339	Q	Q	254
Number of establishments										
One	54,994	39,577	27,607	11,970	N	N	15,417	940	4,352	10,126
2 to 5	17,756	14,543	2,918	5,886	5,739	N	3,213	594	990	1,629
6 to 10	4,425	4,303	Q	3,125	1,088	N	Q	Q	Q	Q
11 to 20	3,704	3,533	Q	2,731	778	N	Q	Q	Q	Q
More than 20	3,821	3,669	N	2,401	1,268	N	Q	Q	N	Q
Currently unoccupied	2,393	1,925	N	N	N	1,925	468	N	Q	Q
Campus or complex activity										
Not part of a campus or complex	52,275	43,046	19,501	16,136	6,015	1,393	9,229	686	1,468	7,075
Primary or secondary school	4,616	802	624	Q	Q	N	3,814	Q	1,037	2,754
College or university	4,068	2,173	1,813	Q	Q	N	1,895	Q	1,852	Q
Office complex	3,456	3,142	565	2,017	464	Q	314	Q	Q	Q
Retail complex	5,159	4,963	1,041	3,474	355	Q	Q	N	Q	Q
Storage complex	3,212	3,172	1,065	1,753	Q	Q	Q	N	Q	Q
Religious campus or complex	1,932	1,932	1,836	Q	Q	Q	N	N	N	N
Health care complex	3,362	2,572	1,633	422	498	Q	790	104	Q	210
Lodging or resort complex	1,295	1,263	853	Q	Q	Q	Q	N	Q	N
Transportation complex	554	272	Q	Q	Q	N	282	N	Q	226
Government complex	2,107	Q	Q	Q	Q	N	2,002	572	236	1,194
Other	5,057	4,108	1,603	1,765	561	Q	948	Q	275	608
Predominant exterior wall material										
Brick, stone, or stucco	40,463	29,025	14,367	9,787	3,999	872	11,438	839	3,282	7,316
Concrete (block or poured)	20,726	16,285	6,623	7,228	2,147	287	4,441	Q	1,080	2,969
Concrete panels	8,693	7,594	2,452	3,585	1,189	Q	1,099	Q	369	584
Siding or shingles	5,750	4,750	2,387	1,854	385	Q	1,001	Q	236	733
Metal panels	8,673	7,516	4,110	2,531	646	Q	1,157	Q	438	615
Window glass	1,340	1,112	Q	597	274	Q	228	Q	Q	Q
Other	856	784	311	324	Q	N	Q	Q	Q	Q
No one major type	592	483	Q	Q	Q	N	Q	Q	Q	Q

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Predominant roof material										
Metal surfacing	15,916	13,220	7,400	4,425	968	427	2,696	Q	780	1,628
Synthetic or rubber	25,817	19,413	7,354	8,007	3,638	414	6,403	664	1,899	3,841
Built-up	21,835	15,277	5,127	7,269	2,286	596	6,557	410	1,942	4,205
Slate or tile shingles	4,306	3,706	2,531	899	223	Q	600	Q	Q	368
Wooden materials (including shingles)	1,139	981	475	460	Q	Q	Q	N	Q	Q
Asphalt, fiberglass, or other shingles	15,104	12,642	7,053	3,900	1,317	373	2,461	Q	577	1,806
Concrete	1,642	1,315	325	748	Q	Q	327	Q	Q	Q
Other	678	485	Q	Q	Q	N	Q	N	Q	Q
No one major type	657	510	Q	Q	Q	N	Q	Q	Q	Q
Roof characteristics										
Roof tilt										
Flat	49,623	37,026	13,576	16,780	5,550	1,121	12,597	1,139	3,656	7,802
Shallow pitch	23,853	19,570	9,795	6,960	2,280	535	4,283	Q	1,204	2,731
Steeper pitch	13,617	10,954	7,267	2,375	1,043	269	2,663	Q	679	1,899
Cool roof	19,630	14,300	5,973	5,629	2,438	Q	5,330	542	1,722	3,066
Renovations in buildings constructed before 2008 (more than one may apply)										
Any type of renovation	42,216	31,673	13,831	11,884	5,393	565	10,543	835	3,290	6,418
Addition or annex	13,022	8,486	4,755	2,204	1,449	Q	4,536	291	1,209	3,036
Reduction in floorspace	1,753	1,250	459	437	327	Q	Q	Q	Q	Q
Roof replacement	20,917	14,683	7,032	4,756	2,682	Q	6,233	471	1,919	3,844
Exterior wall replacement	4,230	3,046	1,380	969	688	Q	1,184	Q	319	753
Interior wall reconfiguration	21,340	16,175	6,137	6,487	3,241	311	5,165	594	1,626	2,945
Window replacement	12,265	8,541	3,596	3,039	1,865	Q	3,723	384	996	2,343
HVAC equipment upgrade	26,779	19,199	8,248	7,032	3,635	284	7,580	712	2,337	4,532
Lighting upgrade	25,503	18,255	8,051	6,527	3,517	Q	7,248	715	2,249	4,283
Electrical upgrade	16,160	11,551	5,306	3,956	2,121	Q	4,609	436	1,563	2,611
Plumbing system upgrade	13,828	9,845	3,953	3,739	2,056	Q	3,983	375	1,275	2,333
Insulation upgrade	7,607	5,269	2,546	1,529	1,129	Q	2,338	199	714	1,426
Fire, safety, or security upgrade	17,196	11,953	5,137	4,320	2,431	Q	5,244	461	1,833	2,950
Structural upgrade	3,913	2,754	1,624	554	546	Q	1,160	Q	Q	662
Other	848	587	Q	Q	Q	N	Q	Q	Q	Q
No renovations	39,154	31,148	14,555	12,473	2,829	1,291	8,007	739	2,013	5,255
Buildings constructed 2008 or later	5,723	4,729	2,251	1,757	651	Q	994	N	Q	757
Energy sources (more than one may apply)										
Electricity	84,869	65,620	30,321	25,809	8,820	670	19,248	1,573	5,522	12,153
Natural gas	58,725	44,481	20,542	17,361	6,254	325	14,244	868	3,939	9,438
Fuel oil	20,200	14,057	6,308	4,749	2,928	Q	6,143	1,083	1,400	3,660
District heat	5,964	3,135	1,842	730	557	Q	2,829	708	1,538	584
District chilled water	4,608	2,104	1,478	297	329	N	2,504	Q	1,448	612
Propane	7,706	5,896	3,569	1,567	743	Q	1,810	Q	394	1,332
Other	3,826	2,663	1,431	789	427	Q	1,163	Q	Q	616

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)										
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Space-heating energy sources (more than one may apply)										
Electricity	49,030	39,210	16,986	16,368	5,641	214	9,821	798	2,730	6,293
Natural gas	49,511	37,495	16,788	15,108	5,282	317	12,016	657	3,069	8,290
Fuel oil	4,351	2,844	1,691	734	392	Q	1,507	Q	Q	1,169
District heat	5,925	3,119	1,825	730	557	Q	2,807	697	1,526	584
Propane	3,067	2,429	1,638	497	285	Q	638	Q	Q	397
Other	1,010	834	523	Q	Q	N	Q	Q	Q	Q
Primary space-heating energy source										
Electricity	26,205	22,225	9,948	9,250	2,842	Q	3,980	Q	983	2,785
Natural gas	42,988	32,258	14,409	12,976	4,592	280	10,730	593	2,717	7,420
Fuel oil	2,542	1,658	976	426	Q	Q	884	Q	Q	656
District heat	5,797	3,076	1,793	730	547	Q	2,721	697	1,445	579
Propane	1,948	1,644	1,311	262	Q	Q	303	Q	Q	235
Other	598	481	307	Q	Q	N	Q	N	Q	Q
Cooling energy sources (more than one may apply)										
Electricity	76,034	59,329	26,984	23,688	8,379	278	16,705	1,403	4,086	11,217
Natural gas	732	542	147	Q	Q	N	Q	Q	Q	Q
District chilled water	4,608	2,104	1,478	297	329	N	2,504	Q	1,448	612
Water-heating energy sources (more than one may apply)										
Electricity	42,755	35,729	13,903	16,509	5,232	Q	7,025	667	1,907	4,452
Natural gas	39,523	28,106	13,220	10,578	4,063	Q	11,417	628	3,096	7,693
Fuel oil	1,911	1,108	757	Q	Q	N	804	Q	Q	607
District heat	4,551	2,566	1,593	456	517	N	1,986	691	1,010	285
Propane	1,575	1,179	849	195	Q	Q	396	Q	Q	Q
Cooking energy sources (more than one may apply)										
Electricity	25,151	16,711	8,113	6,036	2,557	Q	8,440	851	1,659	5,930
Natural gas	24,770	17,556	8,066	6,438	3,041	Q	7,214	305	1,546	5,363
Propane	2,001	1,424	904	280	Q	N	577	Q	Q	462
Energy end uses (more than one may apply)										
Buildings with space heating	80,078	61,341	28,745	23,766	8,328	502	18,736	1,557	5,411	11,768
Buildings with cooling	79,294	60,960	28,174	23,907	8,602	278	18,334	1,573	5,252	11,508
Buildings with water heating	79,015	60,645	27,869	23,900	8,544	332	18,370	1,565	5,270	11,535
Buildings with cooking	38,546	26,909	13,400	9,378	4,115	Q	11,637	933	2,538	8,166
Buildings with manufacturing	5,078	4,745	2,024	2,107	614	N	333	Q	Q	Q
Buildings with electricity generation	25,642	17,555	8,079	5,917	3,502	Q	8,086	1,122	1,829	5,136

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

	Total floorspace (million square feet)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Percent of floorspace heated										
Not heated	7,015	6,208	1,892	2,349	544	1,423	807	Q	Q	663
1 to 50	10,130	9,311	3,844	3,801	1,528	Q	819	Q	Q	545
51 to 99	14,650	11,566	4,662	4,986	1,877	Q	3,084	460	1,135	1,490
100	55,298	40,465	20,239	14,980	4,923	323	14,833	1,055	4,045	9,733
Percent of floorspace cooled										
Not cooled	7,799	6,589	2,464	2,208	Q	1,648	1,210	N	287	923
1 to 50	18,891	15,853	7,022	6,681	2,046	Q	3,037	Q	943	2,011
51 to 99	22,728	16,290	6,644	6,758	2,846	Q	6,437	926	2,170	3,341
100	37,676	28,816	14,508	10,468	3,710	Q	8,859	564	2,140	6,155
Percent lit when open										
Zero	322	304	Q	Q	Q	N	Q	N	Q	Q
1 to 50	12,628	11,290	5,915	3,885	1,490	N	1,338	Q	433	816
51 to 99	34,814	26,289	11,103	11,365	3,821	N	8,525	891	2,777	4,856
100	35,726	26,617	12,885	10,265	3,467	N	9,109	577	2,185	6,348
Building never open/electricity not used	3,603	3,050	643	429	Q	1,925	553	Q	Q	406
Percent lit during off hours										
Zero	24,746	19,295	9,859	7,328	1,677	431	5,451	Q	1,459	3,788
1 to 50	50,753	38,812	16,371	16,094	6,108	239	11,941	1,089	3,385	7,467
51 to 100	6,926	5,391	2,821	1,771	799	N	1,535	Q	599	665
Building always open with no "off hours"	2,443	2,122	1,269	616	Q	N	322	Q	Q	Q
Electricity not used	2,225	1,929	317	306	Q	1,255	Q	N	Q	Q
Heating equipment (more than one may apply)										
Heat pumps	11,846	8,500	3,841	3,022	1,597	Q	3,346	212	636	2,497
Furnaces	8,654	7,472	3,629	2,880	900	Q	1,182	Q	378	753
Individual space heaters	20,766	16,206	7,363	6,507	2,284	Q	4,561	558	1,375	2,628
District heat	5,925	3,119	1,825	730	557	Q	2,807	697	1,526	584
Boilers	22,443	13,405	6,663	4,091	2,590	Q	9,038	471	2,305	6,263
Packaged heating units	49,188	40,336	17,635	17,239	5,102	360	8,852	495	2,213	6,144
Other	1,574	1,316	214	1,021	Q	Q	Q	Q	Q	Q
Cooling equipment (more than one may apply)										
Residential-type central air conditioners	14,765	12,846	6,442	4,937	1,431	Q	1,919	Q	511	1,250
Heat pumps	12,538	9,142	4,113	3,345	1,673	Q	3,396	Q	636	2,582
Individual air conditioners	12,420	9,115	4,591	2,856	1,657	Q	3,305	407	761	2,137
District chilled water	4,608	2,104	1,478	297	329	N	2,504	Q	1,448	612
Central chillers	17,041	10,175	4,184	3,678	2,278	Q	6,866	932	1,798	4,135
Packaged air conditioning units	45,153	36,119	15,037	15,687	5,186	Q	9,034	682	2,246	6,106
Swamp coolers	1,918	1,373	643	576	Q	N	545	Q	Q	Q
Other	328	Q	Q	Q	Q	N	Q	Q	Q	Q

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)										
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Main equipment replaced since 1990 (more than one may apply)										
Heating	27,558	21,157	9,562	8,292	3,125	Q	6,400	266	1,797	4,338
Cooling	30,702	23,862	10,494	9,430	3,825	Q	6,840	409	1,972	4,459
Water-heating equipment										
Centralized system	47,534	35,837	19,154	12,749	3,698	237	11,697	837	3,188	7,672
Distributed system	12,688	11,091	4,090	4,804	2,181	Q	1,596	Q	746	749
Combination of centralized and distributed system	18,793	13,717	4,626	6,347	2,665	Q	5,076	626	1,336	3,115
Lighting equipment types (more than one may apply)										
Incandescent	38,406	29,885	13,181	11,650	5,011	Q	8,522	761	2,581	5,180
Standard fluorescent	80,081	61,330	28,109	24,494	8,508	219	18,751	1,572	5,320	11,859
Compact fluorescent	53,816	40,348	18,432	15,538	6,323	Q	13,469	1,288	4,009	8,171
High-intensity discharge (HID)	23,396	16,399	6,238	6,932	3,190	Q	6,998	804	1,955	4,238
Halogen	28,059	22,488	8,652	9,504	4,293	Q	5,571	949	1,716	2,906
LED	22,071	17,210	6,135	7,422	3,647	Q	4,862	798	1,480	2,584
Other	446	Q	Q	Q	Q	N	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)										
Any refrigeration	73,645	55,949	26,616	21,437	7,777	Q	17,696	1,517	4,998	11,180
Walk-in units	28,361	18,873	7,630	7,877	3,345	Q	9,488	864	2,260	6,365
Cases or cabinets	28,719	21,072	8,763	8,868	3,422	Q	7,647	836	1,876	4,936
Large cold storage areas	4,171	3,292	1,365	1,240	687	N	879	Q	Q	587
Commercial ice makers	32,734	23,456	10,557	8,954	3,907	Q	9,278	874	2,645	5,759
Residential-type or compact units	62,381	47,604	22,109	18,695	6,748	Q	14,776	1,227	4,114	9,435
Vending machines	43,936	31,303	13,162	13,020	5,071	Q	12,633	1,288	4,022	7,323
No refrigeration	13,448	11,601	4,021	4,677	1,096	1,806	1,848	Q	541	1,251
Office equipment (more than one may apply)										
Desktop computers	77,063	58,540	26,561	23,368	8,546	Q	18,523	1,564	5,276	11,683
With flat screen monitors	76,160	57,715	26,016	23,163	8,472	Q	18,445	1,564	5,267	11,614
With multiple monitors	30,946	23,308	8,360	10,617	4,332	N	7,638	998	2,371	4,269
Laptop computers	63,486	47,112	20,017	19,751	7,317	Q	16,374	1,314	4,565	10,496
Dedicated servers	53,369	40,203	16,319	17,242	6,604	Q	13,166	1,230	3,438	8,498
Laser printers	54,256	40,763	17,695	16,747	6,284	Q	13,493	1,309	3,803	8,381
Inkjet printers	36,235	27,684	12,573	11,001	4,107	Q	8,551	455	2,248	5,847
FAX machines	66,682	51,133	22,209	20,978	7,881	Q	15,550	1,446	4,053	10,051
Photocopiers	59,277	43,565	19,647	17,099	6,755	Q	15,711	1,326	4,626	9,760

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)

	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Number of desktop computers										
None	10,030	9,010	4,076	2,747	327	1,860	1,020	Q	263	748
1 to 4	15,669	13,784	8,435	4,501	820	Q	1,885	Q	453	1,273
5 to 9	9,422	8,172	4,093	3,082	996	N	1,250	Q	413	666
10 to 19	9,388	8,335	3,442	3,521	1,371	N	1,054	Q	277	691
20 to 49	13,094	10,590	4,473	4,542	1,537	Q	2,505	Q	839	1,627
50 to 99	8,284	5,121	1,629	2,591	901	N	3,164	Q	1,079	1,929
100 to 249	9,728	5,398	2,262	1,980	1,156	N	4,330	Q	1,163	2,892
250 or more	11,478	7,142	2,226	3,151	1,765	N	4,336	679	1,051	2,605
Number of laptop computers										
None	23,607	20,438	10,620	6,364	1,556	1,898	3,169	Q	974	1,935
1 to 4	21,161	18,233	9,562	6,597	2,046	Q	2,929	Q	758	2,041
5 to 9	8,345	6,792	2,542	3,251	999	N	1,554	Q	Q	1,006
10 to 19	8,343	6,572	1,995	3,405	1,171	N	1,772	Q	421	1,212
20 to 49	9,643	6,199	2,623	2,582	993	N	3,445	Q	1,189	2,154
50 to 99	5,234	2,730	1,062	1,036	632	N	2,504	Q	567	1,697
100 to 249	5,217	2,931	1,138	1,148	645	N	2,286	Q	671	1,402
250 or more	5,542	3,657	1,094	1,733	830	N	1,886	405	498	983
Number of dedicated servers										
None	33,724	27,347	14,318	8,873	2,269	1,888	6,377	Q	2,101	3,933
1 to 4	34,097	25,711	11,554	10,896	3,224	Q	8,386	519	2,193	5,674
5 to 9	6,241	4,648	1,257	2,526	865	N	1,593	Q	352	1,112
10 to 19	5,711	4,587	1,730	1,563	1,294	N	1,124	Q	443	603
20 to 49	3,758	2,632	738	1,199	696	N	1,125	Q	241	726
50 or more	3,562	2,625	1,040	1,058	526	N	938	345	Q	383
Number of photocopiers										
None	27,816	23,984	10,991	9,016	2,118	1,860	3,832	Q	913	2,671
One	17,080	14,576	8,175	5,074	1,262	Q	2,504	Q	666	1,663
2 to 4	20,312	13,983	6,016	5,752	2,215	N	6,329	Q	2,104	4,102
5 to 9	8,863	5,557	1,971	2,445	1,141	N	3,305	Q	1,120	2,085
10 or more	13,022	9,450	3,484	3,828	2,138	N	3,572	927	735	1,910
Number of TVs or video displays										
None	24,339	20,462	8,687	7,885	1,993	1,898	3,877	Q	959	2,763
One	9,990	8,307	4,623	3,047	634	Q	1,683	Q	555	871
2 to 4	16,465	13,194	6,410	5,052	1,707	Q	3,271	Q	921	2,203
5 to 9	8,148	6,297	2,647	2,679	971	N	1,851	Q	634	1,119
10 to 19	8,168	5,169	1,914	2,354	902	N	2,999	Q	884	1,839
20 to 49	8,058	5,372	1,684	2,692	995	N	2,686	Q	509	1,972
50 to 99	4,378	2,989	1,662	814	513	N	1,390	Q	429	808
100 or more	7,547	5,760	3,011	1,592	1,157	N	1,787	283	648	856

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

	Total floorspace (million square feet)									
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431
Food preparation or serving areas in non-food service buildings (more than one may apply)										
Snack bar or concession stand	9,884	6,017	2,527	1,985	1,505	N	3,868	614	853	2,401
Fast food or small restaurant	9,787	8,787	2,077	4,745	1,965	N	1,000	Q	Q	614
Cafeteria or large restaurant	15,222	7,773	3,351	2,662	1,760	N	7,449	508	1,556	5,386
Commercial kitchen/food preparation area	16,150	9,952	5,062	2,952	1,929	Q	6,198	508	1,368	4,321
Small kitchen area	14,054	10,324	6,181	2,492	1,644	Q	3,730	276	841	2,613
Separate computer areas (more than one may apply)										
Data center or server farm	11,105	7,934	3,418	2,823	1,694	N	3,171	531	816	1,824
Computer-based training room	17,723	10,525	4,645	4,167	1,713	N	7,199	806	2,063	4,330
Student or public computer center	14,341	6,484	3,431	2,159	894	N	7,858	Q	2,102	5,626
HVAC conservation features (more than one may apply)										
Economizer cycle	30,749	20,885	8,595	8,599	3,610	Q	9,864	1,013	3,001	5,850
Regular HVAC maintenance	69,244	51,901	23,421	20,514	7,661	304	17,344	1,553	4,825	10,966
Building automation system (BAS) ²	37,051	24,391	10,251	9,923	4,114	Q	12,660	1,238	3,525	7,897
Window and interior lighting features (more than one may apply)										
Multipaned windows	60,362	46,287	21,268	17,938	6,141	941	14,075	1,192	3,894	8,988
Tinted window glass	45,025	34,511	13,814	14,748	5,242	707	10,514	885	3,246	6,383
Reflective window glass	15,908	13,120	4,775	6,103	2,126	Q	2,789	362	689	1,737
External overhangs or awnings	32,188	25,663	10,225	11,637	3,488	313	6,526	528	1,984	4,014
Skylights or atriums	22,261	16,637	6,525	6,931	2,880	Q	5,623	655	1,768	3,201
Light scheduling	30,263	23,907	8,247	11,537	4,076	Q	6,356	844	1,687	3,825
Occupancy sensors	35,871	26,125	9,881	11,955	4,237	Q	9,746	1,202	2,926	5,617
Multi-level lighting or dimming	14,534	11,424	4,410	5,085	1,906	Q	3,110	470	1,096	1,543
Daylight harvesting	6,114	4,696	1,688	1,811	1,182	Q	1,418	414	437	567
Demand responsive lighting	4,738	4,168	981	2,504	683	N	570	Q	Q	288
Building automation system (BAS) for lighting ²	12,068	9,350	2,425	5,249	1,671	Q	2,717	397	715	1,606
Equipment usage reduced when building not in full use (more than one may apply)										
Heating	63,167	47,806	21,373	19,438	6,580	415	15,361	1,378	4,358	9,625
Cooling	62,516	47,611	20,750	19,741	6,890	230	14,905	1,376	4,220	9,309
Lighting	78,594	60,178	27,704	24,140	8,334	N	18,417	1,517	5,274	11,626

Table B18. Occupancy of nongovernment-owned and government-owned buildings, floorspace, 2012

Total floorspace (million square feet)										
	Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unoccupied	All buildings	Federal	State	Local
All buildings	87,093	67,550	30,637	26,115	8,873	1,925	19,543	1,573	5,539	12,431

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.

Release date: February 2015

Revised date: May 2016

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

N = No cases in reporting sample.

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

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

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

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Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Building floorspace (square feet)							
1,001 to 5,000	8,041	6,548	1,068	Q	Q	Q	336
5,001 to 10,000	8,900	6,560	1,720	270	Q	N	319
10,001 to 25,000	14,105	9,593	2,812	871	289	Q	538
25,001 to 50,000	11,917	7,470	2,299	733	798	Q	Q
50,001 to 100,000	13,918	8,621	2,545	1,062	760	456	Q
100,001 to 200,000	12,415	7,599	2,929	528	715	484	Q
200,001 to 500,000	10,724	5,876	2,726	416	742	872	Q
Over 500,000	7,074	2,727	1,657	493	358	1,780	Q
Principal building activity							
Education	12,239	11,241	998	N	N	N	N
Food sales	1,252	942	292	Q	N	N	N
Food service	1,819	1,570	249	Q	N	N	N
Health care	4,155	2,520	1,154	198	Q	Q	N
Inpatient	2,374	1,603	546	Q	Q	Q	N
Outpatient	1,781	917	609	Q	Q	Q	N
Lodging	5,826	4,778	947	Q	Q	Q	N
Mercantile	11,330	3,827	2,483	1,613	1,775	1,632	N
Retail (other than mall)	5,439	3,827	1,432	Q	Q	Q	N
Enclosed and strip malls	5,890	N	1,050	1,601	1,746	1,493	N
Office	15,952	7,318	3,988	1,693	1,234	1,719	N
Public assembly	5,559	3,850	1,307	Q	Q	Q	N
Public order and safety	1,440	927	512	N	N	N	N
Religious worship	4,557	3,864	694	N	N	N	N
Service	4,630	3,396	957	Q	Q	N	N
Warehouse and storage	13,077	9,157	3,128	325	Q	Q	N
Other	2,002	1,130	698	Q	Q	Q	N
Vacant	3,256	476	Q	Q	Q	N	2,393
Year constructed							
Before 1920	3,983	2,259	1,009	Q	Q	Q	279
1920 to 1945	6,025	3,859	1,411	Q	Q	Q	220
1946 to 1959	7,381	4,937	1,595	Q	Q	Q	268
1960 to 1969	10,362	6,803	2,092	484	355	359	269
1970 to 1979	10,846	6,639	2,065	604	439	704	394
1980 to 1989	15,230	8,315	3,039	1,092	1,022	1,363	399
1990 to 1999	13,803	8,771	2,750	636	710	545	Q
2000 to 2003	7,215	5,185	1,164	343	330	Q	Q
2004 to 2007	6,524	4,419	1,229	374	Q	Q	Q
2008 to 2012	5,723	3,805	1,401	Q	Q	Q	Q

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Census region							
Northeast	15,534	9,527	3,305	775	833	832	262
Midwest	18,919	12,503	4,207	798	493	532	386
South	34,279	21,742	6,503	1,750	1,560	1,419	1,306
West	18,360	11,222	3,742	1,103	818	1,037	439
Climate region¹							
Very cold/Cold	31,898	20,812	6,741	1,402	1,234	1,026	682
Mixed-humid	27,873	17,729	5,626	1,453	1,289	1,280	498
Mixed-dry/Hot-dry	12,037	7,610	2,299	570	470	690	397
Hot-humid	12,831	7,606	2,427	731	629	666	773
Marine	2,454	1,237	663	Q	Q	Q	Q
Number of floors							
One	39,809	25,686	7,605	2,016	1,851	1,183	1,470
Two	20,206	14,210	3,755	891	467	439	444
Three	8,140	5,591	1,810	254	Q	Q	Q
Four to nine	13,535	7,895	3,323	746	532	720	Q
Ten or more	5,404	1,613	1,263	518	638	1,327	Q
Elevators and escalators (more than one may apply)							
Any elevators	32,120	18,695	7,181	1,757	1,569	2,487	430
Number of elevators							
One	11,158	8,130	2,135	393	Q	Q	Q
Two to five	12,817	7,589	2,812	770	572	837	Q
Six or more	8,145	2,977	2,234	594	749	1,546	Q
Any escalators	3,654	872	1,153	Q	261	1,043	Q
Number of workers (main shift)							
Fewer than 5	17,751	13,276	1,785	Q	Q	Q	2,393
5 to 9	8,973	6,712	2,002	195	Q	Q	N
10 to 19	9,623	6,905	2,291	343	Q	N	N
20 to 49	14,514	8,722	3,443	1,362	855	Q	N
50 to 99	13,476	8,068	3,184	924	955	346	N
100 to 249	10,941	6,459	2,404	378	772	928	N
250 or more	11,815	4,853	2,647	1,010	939	2,366	N
Weekly operating hours							
Fewer than 40	8,220	5,191	555	Q	N	N	2,393
40 to 48	15,828	10,775	4,083	494	Q	Q	N
49 to 60	20,529	13,123	4,063	1,483	922	938	N
61 to 84	15,867	8,096	2,960	1,145	1,748	1,918	N
85 to 167	9,395	6,429	2,214	385	Q	Q	N
Open continuously	17,253	11,380	3,881	837	533	623	N

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Ownership and occupancy							
Nongovernment owned	67,550	39,577	14,543	4,303	3,533	3,669	1,925
Owner occupied	30,637	27,607	2,918	Q	Q	N	N
Leased to tenant(s)	26,115	11,970	5,886	3,125	2,731	2,401	N
Owner occupied and leased	8,873	N	5,739	1,088	778	1,268	N
Unoccupied	1,925	N	N	N	N	N	1,925
Government owned	19,543	15,417	3,213	Q	Q	Q	468
Federal	1,573	940	594	Q	Q	Q	N
State	5,539	4,352	990	Q	Q	N	Q
Local	12,431	10,126	1,629	Q	Q	Q	Q
Party responsible for operation and maintenance of energy systems							
Building owner	73,702	49,178	14,057	2,905	2,326	3,056	2,181
Business owner or tenant	11,309	4,745	3,255	1,224	1,211	675	Q
Property management	1,250	488	Q	Q	Q	Q	Q
Other	832	583	Q	Q	Q	Q	Q
Provider of direct input on energy-related equipment purchases							
Building owner	76,271	49,848	15,004	3,361	2,561	3,237	2,259
Business owner or tenant	8,256	3,859	2,136	833	917	382	Q
Property management	880	423	Q	Q	Q	Q	N
Other	1,686	864	435	Q	Q	Q	Q
Campus or complex activity							
Not part of a campus or complex	52,275	32,837	11,199	2,571	1,856	2,117	1,694
Primary or secondary school	4,616	4,276	Q	N	Q	N	Q
College or university	4,068	3,408	554	Q	N	Q	Q
Office complex	3,456	1,381	779	470	319	412	Q
Retail complex	5,159	1,605	914	752	1,043	754	Q
Storage complex	3,212	2,379	453	Q	Q	Q	Q
Religious campus or complex	1,932	1,791	Q	N	N	N	Q
Health care complex	3,362	2,226	818	Q	Q	Q	Q
Lodging or resort complex	1,295	962	Q	Q	Q	Q	Q
Transportation complex	554	153	Q	Q	Q	Q	N
Government complex	2,107	1,183	882	Q	N	Q	Q
Other	5,057	2,793	1,317	324	Q	Q	Q
Energy sources (more than one may apply)							
Electricity	84,869	54,485	17,756	4,313	3,675	3,795	845
Natural gas	58,725	37,156	12,432	3,092	2,762	2,862	420
Fuel oil	20,200	11,534	4,944	873	884	1,893	Q
District heat	5,964	3,410	1,457	357	Q	447	Q
District chilled water	4,608	3,241	766	Q	Q	Q	Q
Propane	7,706	5,634	1,691	Q	Q	Q	Q
Other	3,826	2,431	1,009	Q	Q	Q	Q

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Energy end uses (more than one may apply)							
Buildings with space heating	80,078	50,986	17,078	4,239	3,580	3,574	621
Buildings with cooling	79,294	50,081	17,149	4,305	3,624	3,783	352
Buildings with water heating	79,015	50,143	16,818	4,204	3,664	3,790	395
Buildings with cooking	38,546	23,968	7,333	2,062	2,308	2,858	Q
Buildings with manufacturing	5,078	2,688	1,462	Q	Q	Q	N
Buildings with electricity generation	25,642	15,516	5,763	1,045	1,127	2,133	Q
Percent of floorspace heated							
Not heated	7,015	4,008	678	Q	Q	Q	1,772
1 to 50	10,130	6,277	2,594	443	Q	Q	Q
51 to 99	14,650	7,037	3,732	1,301	1,151	1,378	Q
100	55,298	37,672	10,752	2,495	2,098	1,848	432
Percent of floorspace cooled							
Not cooled	7,799	4,913	607	Q	Q	Q	2,041
1 to 50	18,891	12,570	4,755	668	Q	Q	Q
51 to 99	22,728	11,914	5,325	1,771	1,690	1,914	Q
100	37,676	25,597	7,069	1,866	1,497	1,514	Q
Percent lit when open							
Zero	322	257	Q	Q	Q	N	N
1 to 50	12,628	8,810	3,058	359	Q	Q	N
51 to 99	34,814	20,320	7,277	2,660	2,442	2,115	N
100	35,726	24,614	7,323	1,286	949	1,554	N
Building never open/electricity not used	3,603	993	Q	Q	Q	Q	2,393
Percent lit during off hours							
Zero	24,746	18,734	4,395	536	261	Q	539
1 to 50	50,753	29,946	10,997	3,313	3,052	3,140	306
51 to 100	6,926	4,464	1,523	402	273	264	N
Building always open with no "off hours"	2,443	1,340	841	Q	Q	Q	N
Electricity not used	2,225	509	N	Q	Q	Q	1,548
Heating equipment (more than one may apply)							
Heat pumps	11,846	7,328	2,234	921	638	686	Q
Furnaces	8,654	5,625	1,626	607	439	Q	Q
Individual space heaters	20,766	12,661	4,871	1,163	943	1,070	Q
District heat	5,925	3,391	1,438	357	Q	447	Q
Boilers	22,443	14,812	4,802	913	766	1,063	Q
Packaged heating units	49,188	29,823	10,872	3,014	2,827	2,283	370
Other	1,574	556	Q	Q	Q	Q	Q

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Cooling equipment (more than one may apply)							
Residential-type central air conditioners	14,765	9,898	2,851	984	545	450	Q
Heat pumps	12,538	7,637	2,397	959	865	664	Q
Individual air conditioners	12,420	8,082	3,004	439	445	439	Q
District chilled water	4,608	3,241	766	Q	Q	Q	Q
Central chillers	17,041	9,608	4,131	750	842	1,667	Q
Packaged air conditioning units	45,153	26,166	10,887	2,962	2,654	2,275	Q
Swamp coolers	1,918	1,288	368	Q	Q	Q	N
Other	328	Q	Q	N	Q	Q	N
Main equipment replaced since 1990 (more than one may apply)							
Heating	27,558	17,387	5,374	1,913	1,020	1,671	Q
Cooling	30,702	18,646	6,491	2,173	1,264	2,014	Q
Water-heating equipment							
Centralized system	47,534	34,771	8,763	1,749	1,141	873	237
Distributed system	12,688	6,780	3,512	888	553	938	Q
Combination of centralized and distributed system	18,793	8,592	4,544	1,566	1,970	1,979	Q
Lighting equipment types (more than one may apply)							
Incandescent	38,406	21,437	8,853	2,707	2,692	2,624	Q
Standard fluorescent	80,081	50,904	17,286	4,231	3,610	3,765	285
Compact fluorescent	53,816	32,706	10,787	3,518	3,212	3,490	Q
High-intensity discharge (HID)	23,396	13,166	4,993	1,421	1,653	2,124	Q
Halogen	28,059	14,075	6,639	2,191	2,428	2,687	Q
LED	22,071	10,132	5,211	1,846	2,309	2,570	Q
Other	446	Q	Q	Q	Q	Q	N
Refrigeration equipment (more than one may apply)							
Any refrigeration	73,645	47,153	15,599	3,796	3,404	3,528	Q
Walk-in units	28,361	16,473	5,436	1,746	2,126	2,559	Q
Cases or cabinets	28,719	16,429	5,736	2,002	2,298	2,234	Q
Large cold storage areas	4,171	1,980	1,145	Q	386	375	N
Commercial ice makers	32,734	19,402	6,461	2,013	2,220	2,600	Q
Residential-type or compact units	62,381	39,164	13,259	3,475	3,146	3,239	Q
Vending machines	43,936	26,276	9,478	2,267	2,707	3,113	Q
No refrigeration	13,448	7,841	2,158	630	Q	Q	2,228

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Office equipment (more than one may apply)							
Desktop computers	77,063	48,169	17,073	4,303	3,659	3,795	Q
With flat screen monitors	76,160	47,498	16,840	4,303	3,659	3,795	Q
With multiple monitors	30,946	15,872	7,128	2,625	2,543	2,778	N
Laptop computers	63,486	37,798	14,258	4,057	3,628	3,718	Q
Dedicated servers	53,369	30,356	12,662	3,751	3,157	3,406	Q
Laser printers	54,256	32,909	11,961	3,347	2,985	3,016	Q
Inkjet printers	36,235	23,352	7,706	1,968	1,505	1,701	Q
FAX machines	66,682	40,115	15,315	4,059	3,481	3,647	Q
Photocopiers	59,277	36,301	13,053	3,437	3,075	3,347	Q
Number of desktop computers							
None	10,030	6,825	684	Q	Q	Q	2,328
1 to 4	15,669	12,430	2,903	Q	Q	Q	Q
5 to 9	9,422	6,392	2,381	526	Q	Q	N
10 to 19	9,388	5,209	2,567	948	630	Q	N
20 to 49	13,094	7,062	3,364	939	1,094	598	Q
50 to 99	8,284	4,855	1,887	386	666	491	N
100 to 249	9,728	6,262	2,002	431	271	762	N
250 or more	11,478	5,959	1,970	901	799	1,849	N
Number of laptop computers							
None	23,607	17,196	3,499	368	Q	Q	2,365
1 to 4	21,161	14,234	5,828	774	Q	Q	Q
5 to 9	8,345	4,389	1,902	1,281	560	Q	N
10 to 19	8,343	3,902	1,845	537	1,487	571	N
20 to 49	9,643	5,813	1,870	622	457	881	N
50 to 99	5,234	3,351	1,007	Q	203	475	N
100 to 249	5,217	3,305	921	Q	245	539	N
250 or more	5,542	2,804	884	438	481	935	N
Number of dedicated servers							
None	33,724	24,638	5,094	674	547	415	2,356
1 to 4	34,097	21,961	7,983	2,196	1,314	605	Q
5 to 9	6,241	2,726	1,408	683	703	721	N
10 to 19	5,711	2,265	1,614	420	626	787	N
20 to 49	3,758	1,671	930	Q	308	660	N
50 or more	3,562	1,733	728	Q	Q	634	N
Number of photocopiers							
None	27,816	18,694	4,703	989	629	474	2,328
One	17,080	12,167	3,425	766	346	Q	Q
2 to 4	20,312	13,010	5,050	776	1,104	373	N
5 to 9	8,863	5,067	1,635	807	655	699	N
10 or more	13,022	6,056	2,944	1,087	970	1,965	N

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Number of TVs or video displays							
None	24,339	16,270	4,346	634	Q	Q	2,365
One	9,990	7,189	2,390	Q	Q	Q	Q
2 to 4	16,465	10,921	3,980	1,043	325	Q	Q
5 to 9	8,148	4,502	2,055	863	508	Q	N
10 to 19	8,168	4,481	1,602	586	1,013	486	N
20 to 49	8,058	4,176	1,183	485	1,091	1,123	N
50 to 99	4,378	2,924	625	Q	Q	514	N
100 or more	7,547	4,532	1,576	353	246	840	N
Food preparation or serving areas in non-food service buildings (more than one may apply)							
Snack bar or concession stand	9,884	5,175	2,263	467	669	1,311	N
Fast food or small restaurant	9,787	2,264	2,341	1,196	1,810	2,176	N
Cafeteria or large restaurant	15,222	10,251	2,289	858	687	1,137	N
Commercial kitchen/food preparation area	16,150	10,651	3,160	685	771	873	Q
Small kitchen area	14,054	8,927	2,902	594	674	948	Q
Separate computer areas (more than one may apply)							
Data center or server farm	11,105	6,247	2,413	733	697	1,015	N
Computer-based training room	17,723	11,034	3,390	857	1,150	1,293	N
Student or public computer center	14,341	10,885	1,759	474	562	662	N
HVAC conservation features (more than one may apply)							
Economizer cycle	30,749	17,800	6,970	1,870	1,809	2,216	Q
Regular HVAC maintenance	69,244	43,275	14,554	3,849	3,520	3,703	343
Building automation system (BAS) ²	37,051	21,900	7,518	2,079	2,557	2,803	Q
Window and interior lighting features (more than one may apply)							
Multipaned windows	60,362	37,610	12,227	3,587	3,077	2,781	1,079
Tinted window glass	45,025	25,142	9,907	3,144	2,938	2,903	991
Reflective window glass	15,908	8,158	3,000	1,502	1,679	1,429	Q
External overhangs or awnings	32,188	18,255	6,893	2,731	2,309	1,662	339
Skylights or atriums	22,261	12,677	4,618	1,294	1,664	1,683	Q
Light scheduling	30,263	15,750	5,979	2,881	2,712	2,890	Q
Occupancy sensors	35,871	19,816	7,946	2,516	2,688	2,854	Q
Multi-level lighting or dimming	14,534	7,199	3,149	1,245	1,513	1,405	Q
Daylight harvesting	6,114	2,643	1,705	363	660	728	Q
Demand responsive lighting	4,738	1,736	953	616	757	676	N
Building automation system (BAS) for lighting ²	12,068	5,267	2,232	1,095	1,681	1,788	Q

Table B20. Number of establishments in building, floorspace, 2012

	Total floorspace (million square feet)						
	Number of establishments in building						
	All buildings	One	2 to 5	6 to 10	11 to 20	More than 20	Unoccupied
All buildings	87,093	54,994	17,756	4,425	3,704	3,821	2,393
Equipment usage reduced when building not in full use (more than one may apply)							
Heating	63,167	39,016	13,596	3,841	3,219	2,993	502
Cooling	62,516	38,170	13,519	3,923	3,261	3,344	299
Lighting	78,594	50,744	16,528	4,238	3,456	3,628	N

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

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

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

N = No cases in reporting sample.

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 B21. Multibuilding campuses or complexes, number of buildings and floorspace, 2012

	Number of buildings (thousand)			Total floorspace (million square feet)		
	Buildings on campuses or complexes			Buildings on campuses or complexes		
	All buildings	All buildings	With central facilities plant	All buildings	All buildings	With central facilities plant
All buildings	5,557	1,874	137	87,093	34,818	7,888
Building floorspace (square feet)						
1,001 to 5,000	2,777	888	32	8,041	2,595	80
5,001 to 10,000	1,229	387	Q	8,900	2,824	Q
10,001 to 25,000	884	333	32	14,105	5,366	494
25,001 to 50,000	332	125	15	11,917	4,487	569
50,001 to 100,000	199	81	19	13,918	5,679	1,239
100,001 to 200,000	90	38	11	12,415	5,407	1,659
200,001 to 500,000	38	18	7	10,724	5,040	2,003
Over 500,000	8	4	2	7,074	3,419	1,709
Principal building activity						
Education	389	268	48	12,239	6,547	2,174
Food sales	177	Q	N	1,252	Q	N
Food service	380	65	Q	1,819	401	Q
Health care	157	48	5	4,155	2,464	1,229
Inpatient	10	6	2	2,374	1,846	1,016
Outpatient	147	42	3	1,781	619	213
Lodging	158	89	15	5,826	2,630	833
Mercantile	602	135	N	11,330	4,110	N
Retail (other than mall)	438	61	N	5,439	1,054	N
Enclosed and strip malls	164	74	N	5,890	3,056	N
Office	1,012	271	27	15,952	5,726	1,619
Public assembly	352	140	11	5,559	2,582	980
Public order and safety	84	19	Q	1,440	678	Q
Religious worship	412	120	Q	4,557	1,379	Q
Service	619	178	Q	4,630	1,609	Q
Warehouse and storage	796	402	Q	13,077	4,858	Q
Other	125	59	Q	2,002	691	Q
Vacant	296	68	Q	3,256	1,012	Q
Year constructed						
Before 1920	362	73	Q	3,983	1,500	Q
1920 to 1945	488	120	11	6,025	2,375	699
1946 to 1959	599	183	16	7,381	2,952	805
1960 to 1969	639	199	23	10,362	4,090	1,388
1970 to 1979	684	222	20	10,846	4,682	1,243
1980 to 1989	915	339	17	15,230	5,535	662
1990 to 1999	845	333	24	13,803	5,847	1,150
2000 to 2003	375	143	8	7,215	2,967	Q
2004 to 2007	347	142	7	6,524	2,609	534
2008 to 2012	303	119	6	5,723	2,262	312

Table B21. Multibuilding campuses or complexes, number of buildings and floorspace, 2012

	Number of buildings (thousand)			Total floorspace (million square feet)		
	Buildings on campuses or complexes			Buildings on campuses or complexes		
	All buildings	All buildings	With central facilities plant	All buildings	All buildings	With central facilities plant
All buildings	5,557	1,874	137	87,093	34,818	7,888
Census region						
Northeast	805	255	24	15,534	6,505	1,817
Midwest	1,237	316	14	18,919	6,297	1,065
South	2,247	762	61	34,279	14,076	3,403
West	1,267	541	39	18,360	7,941	1,602
Number of workers (main shift)						
Fewer than 5	2,892	961	48	17,751	6,917	701
5 to 9	1,085	348	12	8,973	2,940	192
10 to 19	731	230	11	9,623	2,900	279
20 to 49	513	193	29	14,514	5,504	1,079
50 to 99	206	82	19	13,476	5,308	1,265
100 to 249	93	43	12	10,941	5,258	1,581
250 or more	37	18	6	11,815	5,991	2,790
Weekly operating hours						
Fewer than 40	1,149	341	Q	8,220	2,664	Q
40 to 48	1,346	451	35	15,828	5,800	660
49 to 60	1,244	393	30	20,529	7,538	1,403
61 to 84	764	281	18	15,867	6,359	1,004
85 to 167	479	137	19	9,395	3,547	1,099
Open continuously	575	271	28	17,253	8,910	3,483
Ownership and occupancy						
Nongovernment owned	4,781	1,426	57	67,550	24,504	3,989
Owner occupied	2,466	737	49	30,637	11,136	2,823
Leased to tenant(s)	1,745	568	4	26,115	9,979	593
Owner occupied and leased	349	76	2	8,873	2,857	532
Unoccupied	221	45	Q	1,925	532	Q
Government owned	776	448	79	19,543	10,314	3,898
Federal	33	13	2	1,573	887	473
State	185	141	42	5,539	4,071	2,388
Local	558	294	35	12,431	5,356	1,038
Party responsible for operation and maintenance of energy systems						
Building owner	4,715	1,638	135	73,702	29,356	7,697
Business owner or tenant	724	199	Q	11,309	4,713	Q
Property management	54	23	Q	1,250	559	Q
Other	64	Q	Q	832	Q	Q
Provider of direct input on energy-related equipment purchases						
Building owner	4,876	1,706	135	76,271	30,384	7,698
Business owner or tenant	540	134	Q	8,256	3,441	Q
Property management	35	8	N	880	357	N
Other	106	25	Q	1,686	636	Q

Table B21. Multibuilding campuses or complexes, number of buildings and floorspace, 2012

	Number of buildings (thousand)			Total floorspace (million square feet)		
	Buildings on campuses or complexes			Buildings on campuses or complexes		
	All buildings	All buildings	With central facilities plant	All buildings	All buildings	With central facilities plant
All buildings	5,557	1,874	137	87,093	34,818	7,888
Campus or complex activity						
Not part of a campus or complex	3,683	N	N	52,275	N	N
Primary or secondary school	237	237	33	4,616	4,616	744
College or university	84	84	58	4,068	4,068	3,282
Office complex	154	154	5	3,456	3,456	551
Retail complex	258	258	N	5,159	5,159	N
Storage complex	314	314	Q	3,212	3,212	Q
Religious campus or complex	197	197	Q	1,932	1,932	Q
Health care complex	52	52	13	3,362	3,362	1,624
Lodging or resort complex	65	65	Q	1,295	1,295	Q
Transportation complex	35	35	Q	554	554	Q
Government complex	104	104	11	2,107	2,107	681
Other	371	371	9	5,057	5,057	456
Central plant that produces (more than one may apply)						
District hot water	55	55	55	3,701	3,701	3,701
District steam	48	48	48	4,582	4,582	4,582
District chilled water	100	100	100	6,361	6,361	6,361
Electricity	37	37	37	1,949	1,949	1,949
Energy sources (more than one may apply)						
Electricity	5,234	1,736	134	84,869	33,957	7,845
Natural gas	2,933	841	64	58,725	22,179	4,721
Fuel oil	467	154	22	20,200	9,186	3,689
District heat	48	40	39	5,964	4,987	4,547
District chilled water	54	53	53	4,608	4,348	4,224
Propane	510	157	6	7,706	2,453	496
Other	172	46	2	3,826	1,416	416
Energy end uses (more than one may apply)						
Buildings with space heating	4,722	1,450	126	80,078	31,299	7,689
Buildings with cooling	4,461	1,350	123	79,294	30,980	7,713
Buildings with water heating	4,423	1,339	124	79,015	31,074	7,628
Buildings with cooking	1,589	452	26	38,546	15,457	3,580
Buildings with manufacturing	259	57	Q	5,078	1,236	Q
Buildings with electricity generation	410	140	29	25,642	11,238	4,459

Table B21. Multibuilding campuses or complexes, number of buildings and floorspace, 2012

	Number of buildings (thousand)			Total floorspace (million square feet)		
	Buildings on campuses or complexes			Buildings on campuses or complexes		
	All buildings	All buildings	With central facilities plant	All buildings	All buildings	With central facilities plant
All buildings	5,557	1,874	137	87,093	34,818	7,888
Heating equipment (more than one may apply)						
Heat pumps	628	240	21	11,846	5,105	975
Furnaces	755	209	7	8,654	3,005	330
Individual space heaters	1,247	375	16	20,766	8,190	1,306
District heat	48	40	39	5,925	4,965	4,535
Boilers	544	187	29	22,443	9,043	2,317
Packaged heating units	2,802	802	47	49,188	17,187	2,055
Other	62	14	Q	1,574	746	Q
Cooling equipment (more than one may apply)						
Residential-type central air conditioners	1,546	389	13	14,765	4,416	440
Heat pumps	692	268	19	12,538	5,545	865
Individual air conditioners	709	218	13	12,420	4,915	1,140
District chilled water	54	53	53	4,608	4,348	4,224
Central chillers	163	67	18	17,041	7,453	2,455
Packaged air conditioning units	1,909	585	37	45,153	16,738	2,634
Swamp coolers	109	30	Q	1,918	730	Q
Other	Q	Q	Q	328	Q	Q
Main equipment replaced since 1990 (more than one may apply)						
Heating	1,874	544	32	27,558	10,069	1,131
Cooling	1,971	569	32	30,702	11,384	1,895

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.