

Table B22. Energy sources, number of buildings, 2012

	Number of buildings (thousand)									
	Energy sources used (more than one may apply)									
	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹	
All buildings	5,557	5,239	5,234	2,933	467	48	54	510	172	
Building floorspace (square feet)										
1,001 to 5,000	2,777	2,559	2,556	1,253	204	Q	Q	252	69	
5,001 to 10,000	1,229	1,172	1,171	660	74	Q	Q	134	41	
10,001 to 25,000	884	852	852	548	67	Q	9	74	31	
25,001 to 50,000	332	326	326	227	39	6	Q	24	16	
50,001 to 100,000	199	195	195	142	39	10	10	14	8	
100,001 to 200,000	90	90	90	67	19	9	9	8	4	
200,001 to 500,000	38	37	37	29	18	5	4	3	3	
Over 500,000	8	8	8	6	6	2	1	1	1	
Principal building activity										
Education	389	389	389	234	30	12	25	25	10	
Food sales	177	177	177	82	Q	N	N	Q	Q	
Food service	380	380	380	283	Q	Q	Q	47	Q	
Health care	157	157	157	95	23	2	Q	10	Q	
Inpatient	10	10	10	8	9	1	1	2	Q	
Outpatient	147	147	147	87	15	Q	Q	Q	Q	
Lodging	158	158	158	99	28	4	Q	26	Q	
Mercantile	602	602	599	356	44	Q	N	51	22	
Retail (other than mall)	438	438	435	232	37	Q	N	43	Q	
Enclosed and strip malls	164	164	164	124	7	Q	N	8	Q	
Office	1,012	1,012	1,012	595	86	12	10	35	24	
Public assembly	352	352	352	205	27	7	5	67	17	
Public order and safety	84	84	84	53	34	Q	Q	Q	Q	
Religious worship	412	412	412	229	23	N	Q	66	Q	
Service	619	602	602	339	86	Q	N	69	39	
Warehouse and storage	796	676	675	261	26	Q	N	45	16	
Other	125	123	123	59	28	Q	Q	22	Q	
Vacant	296	116	116	44	Q	Q	Q	Q	Q	
Year constructed										
Before 1920	362	337	337	202	56	5	Q	45	Q	
1920 to 1945	488	459	458	288	44	7	Q	35	22	
1946 to 1959	599	554	554	334	53	5	Q	49	15	
1960 to 1969	639	609	609	401	75	9	11	54	20	
1970 to 1979	684	651	651	406	58	10	9	62	24	
1980 to 1989	915	856	856	431	50	2	3	52	21	
1990 to 1999	845	764	762	407	51	3	10	89	19	
2000 to 2003	375	370	370	182	35	4	5	49	10	
2004 to 2007	347	341	341	144	18	2	6	43	Q	
2008 to 2012	303	297	296	138	27	Q	Q	31	Q	

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	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹	
All buildings	5,557	5,239	5,234	2,933	467	48	54	510	172	
Census region and division										
Northeast	805	773	770	433	217	16	7	106	51	
New England	302	287	285	98	115	Q	Q	75	Q	
Middle Atlantic	504	486	485	335	102	9	Q	31	22	
Midwest	1,237	1,173	1,171	843	77	7	2	133	50	
East North Central	735	706	706	577	46	3	2	37	28	
West North Central	502	467	466	266	31	4	Q	96	22	
South	2,247	2,086	2,086	950	131	18	35	187	34	
South Atlantic	1,091	1,020	1,020	387	69	9	22	94	19	
East South Central	370	354	354	191	30	Q	Q	49	Q	
West South Central	786	712	712	372	32	5	6	43	Q	
West	1,267	1,207	1,207	707	43	7	9	84	37	
Mountain	338	316	316	218	8	Q	1	29	12	
Pacific	929	891	891	489	35	5	8	55	Q	
Climate region²										
Very cold/Cold	2,031	1,934	1,929	1,264	271	18	7	227	112	
Mixed-humid	1,743	1,637	1,637	932	131	20	18	170	39	
Mixed-dry/Hot-dry	837	791	791	428	22	4	7	59	14	
Hot-humid	799	740	740	215	36	Q	21	51	Q	
Marine	147	138	138	94	7	Q	Q	Q	Q	
Number of workers (main shift)										
Fewer than 5	2,892	2,575	2,570	1,225	214	Q	Q	286	84	
5 to 9	1,085	1,084	1,084	606	73	Q	Q	98	36	
10 to 19	731	731	731	498	45	Q	Q	66	24	
20 to 49	513	513	513	348	44	11	9	40	11	
50 to 99	206	206	206	154	39	7	9	11	9	
100 to 249	93	93	93	74	30	7	6	7	6	
250 or more	37	37	37	27	21	7	5	2	2	
Weekly operating hours										
Fewer than 40	1,149	942	941	433	58	Q	Q	133	Q	
40 to 48	1,346	1,325	1,325	726	125	7	12	93	30	
49 to 60	1,244	1,232	1,229	757	102	11	10	112	65	
61 to 84	764	744	744	454	49	9	9	59	26	
85 to 167	479	466	466	281	30	6	12	40	17	
Open continuously	575	529	529	282	102	11	11	73	19	

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	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹
All buildings	5,557	5,239	5,234	2,933	467	48	54	510	172
Ownership and occupancy									
Nongovernment owned	4,781	4,484	4,480	2,489	365	22	17	435	145
Owner occupied	2,466	2,400	2,395	1,317	223	13	14	297	100
Leased to tenant(s)	1,745	1,675	1,675	951	108	Q	2	107	31
Owner occupied and leased	349	344	344	198	29	2	1	29	13
Unoccupied	221	66	66	23	Q	Q	N	Q	Q
Government owned	776	755	755	444	101	26	37	75	27
Federal	33	33	33	21	Q	1	Q	Q	Q
State	185	183	183	100	15	18	20	13	Q
Local	558	538	538	322	83	7	16	57	16
Energy sources (more than one may apply)									
Electricity	5,234	5,234	5,234	2,933	467	48	54	507	167
Natural gas	2,933	2,933	2,933	2,933	164	17	21	69	72
Fuel oil	467	467	467	164	467	10	8	90	41
District heat	48	48	48	17	10	48	26	Q	1
District chilled water	54	54	54	21	8	26	54	Q	Q
Propane	510	510	507	69	90	Q	Q	510	38
Other	172	172	167	72	41	1	Q	38	172
Energy end uses (more than one may apply)									
Buildings with space heating	4,722	4,722	4,717	2,888	455	48	51	491	172
Buildings with cooling	4,461	4,461	4,461	2,700	360	44	54	420	126
Buildings with water heating	4,423	4,423	4,423	2,742	411	45	51	466	141
Buildings with cooking	1,589	1,589	1,589	1,087	166	14	9	234	60
Buildings with manufacturing	259	259	259	153	25	Q	Q	43	Q
Buildings with electricity generation	410	410	410	270	214	15	12	79	73
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar or concession stand	153	153	153	96	24	3	2	22	5
Fast food or small restaurant	173	173	173	132	19	2	1	24	5
Cafeteria or large restaurant	130	130	130	104	35	6	3	17	11
Commercial kitchen/food preparation area	282	282	282	221	49	4	3	38	10
Small kitchen area	736	736	736	459	82	3	3	121	31

Table B22. Energy sources, number of buildings, 2012

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	Energy sources used (more than one may apply)								
	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹
All buildings	5,557	5,239	5,234	2,933	467	48	54	510	172

¹Other includes wood, coal, solar, and all other energy sources.

²These 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).

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 B23. Energy sources, floorspace, 2012

	Total floorspace (million square feet)									
	Energy sources used (more than one may apply)									
	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹	
All buildings	87,093	84,893	84,869	58,725	20,200	5,964	4,608	7,706	3,826	
Building floorspace (square feet)										
1,001 to 5,000	8,041	7,501	7,492	3,757	604	Q	Q	762	193	
5,001 to 10,000	8,900	8,505	8,489	4,817	559	Q	Q	959	303	
10,001 to 25,000	14,105	13,565	13,565	8,823	1,123	Q	145	1,124	486	
25,001 to 50,000	11,917	11,672	11,672	8,148	1,490	213	Q	920	520	
50,001 to 100,000	13,918	13,604	13,604	9,935	2,822	704	567	1,042	566	
100,001 to 200,000	12,415	12,362	12,362	9,416	2,858	1,313	1,273	1,061	564	
200,001 to 500,000	10,724	10,652	10,652	8,293	5,370	1,565	1,064	959	809	
Over 500,000	7,074	7,033	7,033	5,535	5,374	2,001	1,306	879	384	
Principal building activity										
Education	12,239	12,239	12,239	9,520	2,185	1,155	1,292	877	806	
Food sales	1,252	1,252	1,252	846	Q	N	N	Q	Q	
Food service	1,819	1,819	1,819	1,394	Q	Q	Q	237	Q	
Health care	4,155	4,155	4,155	3,292	2,776	684	523	315	106	
Inpatient	2,374	2,374	2,374	2,113	2,257	576	477	225	Q	
Outpatient	1,781	1,781	1,781	1,179	520	Q	Q	Q	Q	
Lodging	5,826	5,826	5,826	4,918	2,051	630	Q	883	Q	
Mercantile	11,330	11,330	11,320	8,493	1,119	Q	N	839	482	
Retail (other than mall)	5,439	5,439	5,430	3,371	454	Q	N	575	Q	
Enclosed and strip malls	5,890	5,890	5,890	5,123	665	Q	N	264	Q	
Office	15,952	15,952	15,952	10,290	5,328	1,794	1,096	358	757	
Public assembly	5,559	5,559	5,559	3,888	1,663	888	880	858	288	
Public order and safety	1,440	1,440	1,440	1,007	908	Q	Q	Q	Q	
Religious worship	4,557	4,557	4,557	3,016	391	N	Q	487	Q	
Service	4,630	4,512	4,512	2,790	733	Q	N	555	383	
Warehouse and storage	13,077	12,584	12,568	7,007	1,773	Q	N	1,516	549	
Other	2,002	1,972	1,972	1,378	738	Q	Q	393	Q	
Vacant	3,256	1,699	1,699	886	Q	Q	Q	Q	Q	
Year constructed										
Before 1920	3,983	3,800	3,800	2,320	1,099	540	Q	265	Q	
1920 to 1945	6,025	5,882	5,866	3,792	1,447	888	Q	321	291	
1946 to 1959	7,381	7,208	7,208	5,393	1,530	446	203	525	415	
1960 to 1969	10,362	10,198	10,198	7,553	2,407	1,002	923	921	490	
1970 to 1979	10,846	10,556	10,556	7,979	2,614	930	811	880	499	
1980 to 1989	15,230	14,791	14,791	9,887	3,806	449	310	1,214	591	
1990 to 1999	13,803	13,123	13,118	9,162	3,201	642	664	1,339	572	
2000 to 2003	7,215	7,193	7,193	4,723	1,467	Q	Q	903	349	
2004 to 2007	6,524	6,485	6,485	4,096	1,497	Q	418	780	Q	
2008 to 2012	5,723	5,658	5,653	3,821	1,133	Q	Q	559	Q	

Table B23. Energy sources, floorspace, 2012

Total floorspace (million square feet)

	Energy sources used (more than one may apply)								
	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹
All buildings	87,093	84,893	84,869	58,725	20,200	5,964	4,608	7,706	3,826
Census region and division									
Northeast	15,534	15,300	15,291	11,068	6,079	1,981	794	1,746	1,087
New England	4,302	4,197	4,192	2,241	1,866	Q	Q	861	397
Middle Atlantic	11,232	11,104	11,099	8,827	4,213	1,628	656	885	691
Midwest	18,919	18,575	18,560	15,025	3,935	906	585	1,909	798
East North Central	12,742	12,544	12,544	10,790	2,619	574	420	829	532
West North Central	6,178	6,032	6,016	4,236	1,316	332	Q	1,080	267
South	34,279	33,026	33,026	19,900	7,051	2,191	2,479	2,567	907
South Atlantic	17,981	17,608	17,608	9,984	4,419	1,159	1,202	1,476	554
East South Central	4,904	4,824	4,824	3,436	797	Q	Q	470	Q
West South Central	11,394	10,594	10,594	6,480	1,835	646	773	621	Q
West	18,360	17,992	17,992	12,732	3,135	886	749	1,484	1,034
Mountain	4,981	4,812	4,812	3,766	1,092	482	Q	503	403
Pacific	13,379	13,180	13,180	8,966	2,043	404	329	982	631
Climate region²									
Very cold/Cold	31,898	31,311	31,286	24,511	8,008	1,926	1,227	3,594	2,011
Mixed-humid	27,873	27,422	27,422	19,361	7,287	3,012	2,027	2,183	1,017
Mixed-dry/Hot-dry	12,037	11,743	11,743	7,520	1,605	Q	Q	842	496
Hot-humid	12,831	12,002	12,002	5,300	2,597	374	752	998	Q
Marine	2,454	2,416	2,416	2,033	703	Q	Q	Q	Q
Number of workers (main shift)									
Fewer than 5	17,751	15,555	15,530	7,858	1,489	Q	Q	1,689	543
5 to 9	8,973	8,970	8,970	5,355	717	Q	Q	902	359
10 to 19	9,623	9,623	9,623	6,799	765	Q	Q	932	365
20 to 49	14,514	14,514	14,514	10,613	1,824	623	505	1,246	416
50 to 99	13,476	13,476	13,476	10,320	3,137	669	683	1,052	656
100 to 249	10,941	10,941	10,941	8,880	4,040	1,096	982	958	870
250 or more	11,815	11,815	11,815	8,900	8,229	3,082	1,986	927	618
Weekly operating hours									
Fewer than 40	8,220	6,553	6,548	3,705	538	Q	Q	691	Q
40 to 48	15,828	15,737	15,737	9,960	2,668	403	521	936	338
49 to 60	20,529	20,445	20,425	14,006	3,910	1,099	805	1,680	1,300
61 to 84	15,867	15,800	15,800	11,494	3,104	844	524	1,261	880
85 to 167	9,395	9,364	9,364	6,734	1,868	631	606	1,296	552
Open continuously	17,253	16,994	16,994	12,827	8,113	2,815	2,005	1,842	661

Table B23. Energy sources, floorspace, 2012

Total floorspace (million square feet)

	Energy sources used (more than one may apply)								
	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other ¹
All buildings	87,093	84,893	84,869	58,725	20,200	5,964	4,608	7,706	3,826
Ownership and occupancy									
Nongovernment owned	67,550	65,645	65,620	44,481	14,057	3,135	2,104	5,896	2,663
Owner occupied	30,637	30,345	30,321	20,542	6,308	1,842	1,478	3,569	1,431
Leased to tenant(s)	26,115	25,809	25,809	17,361	4,749	730	297	1,567	789
Owner occupied and leased	8,873	8,820	8,820	6,254	2,928	557	329	743	427
Unoccupied	1,925	670	670	325	Q	Q	N	Q	Q
Government owned	19,543	19,248	19,248	14,244	6,143	2,829	2,504	1,810	1,163
Federal	1,573	1,573	1,573	868	1,083	708	Q	Q	Q
State	5,539	5,522	5,522	3,939	1,400	1,538	1,448	394	Q
Local	12,431	12,153	12,153	9,438	3,660	584	612	1,332	616
Energy sources (more than one may apply)									
Electricity	84,869	84,869	84,869	58,725	20,200	5,964	4,608	7,686	3,801
Natural gas	58,725	58,725	58,725	58,725	13,663	2,860	2,431	3,396	2,637
Fuel oil	20,200	20,200	20,200	13,663	20,200	3,110	2,134	3,080	1,133
District heat	5,964	5,964	5,964	2,860	3,110	5,964	3,730	Q	335
District chilled water	4,608	4,608	4,608	2,431	2,134	3,730	4,608	Q	Q
Propane	7,706	7,706	7,686	3,396	3,080	Q	Q	7,706	488
Other	3,826	3,826	3,801	2,637	1,133	335	Q	488	3,826
Energy end uses (more than one may apply)									
Buildings with space heating	80,078	80,078	80,053	58,129	19,670	5,962	4,561	7,332	3,826
Buildings with cooling	79,294	79,294	79,294	56,899	19,309	5,903	4,608	7,061	3,573
Buildings with water heating	79,015	79,015	79,015	57,019	19,708	5,822	4,511	7,383	3,679
Buildings with cooking	38,546	38,546	38,546	31,026	12,694	3,154	2,084	4,209	2,076
Buildings with manufacturing	5,078	5,078	5,078	3,740	863	Q	Q	809	Q
Buildings with electricity generation	25,642	25,642	25,642	20,271	17,073	3,749	2,731	3,380	2,881
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar or concession stand	9,884	9,884	9,884	7,867	4,868	1,613	996	1,625	552
Fast food or small restaurant	9,787	9,787	9,787	8,345	3,624	1,195	828	1,039	418
Cafeteria or large restaurant	15,222	15,222	15,222	13,043	7,093	1,828	1,309	1,633	1,045
Commercial kitchen/food preparation area	16,150	16,150	16,150	14,082	6,678	1,562	1,119	1,852	788
Small kitchen area	14,054	14,054	14,054	10,883	4,666	1,138	761	2,062	844

Table B23. Energy sources, floorspace, 2012

Total floorspace (million square feet)

	Energy sources used (more than one may apply)								
	All buildings	Buildings using any energy source	Electricity	Natural gas	Fuel oil	District heat	District chilled water	Propane	Other¹
All buildings	87,093	84,893	84,869	58,725	20,200	5,964	4,608	7,706	3,826

¹*Other* includes wood, coal, solar, and all other energy sources.

²These 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).

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 B24. Energy end uses, number of buildings, 2012

	Number of buildings (thousand)						
	Energy used for (more than one may apply)						Electricity generation
	All buildings	Space heating	Cooling	Water heating	Cooking	Manufacturing	
All buildings	5,557	4,722	4,461	4,423	1,589	259	410
Building floorspace (square feet)							
1,001 to 5,000	2,777	2,257	2,062	2,032	673	86	92
5,001 to 10,000	1,229	1,046	1,004	992	376	75	77
10,001 to 25,000	884	797	774	775	257	51	64
25,001 to 50,000	332	304	302	307	108	28	55
50,001 to 100,000	199	187	187	186	96	11	58
100,001 to 200,000	90	86	88	86	48	5	35
200,001 to 500,000	38	36	37	36	25	2	22
Over 500,000	8	8	8	8	6	Q	6
Principal building activity							
Education	389	379	361	332	169	Q	38
Food sales	177	160	165	177	111	Q	16
Food service	380	359	358	379	353	Q	Q
Health care	157	153	154	156	22	Q	28
Inpatient	10	9	10	10	9	Q	9
Outpatient	147	144	145	146	13	Q	19
Lodging	158	153	145	158	94	Q	34
Mercantile	602	572	560	531	157	28	31
Retail (other than mall)	438	412	396	367	52	Q	20
Enclosed and strip malls	164	160	164	164	105	Q	10
Office	1,012	989	995	943	130	31	94
Public assembly	352	330	295	317	143	Q	21
Public order and safety	84	81	74	80	56	N	59
Religious worship	412	408	375	383	261	Q	Q
Service	619	528	435	442	39	46	19
Warehouse and storage	796	420	391	370	33	77	29
Other	125	100	90	98	Q	41	17
Vacant	296	87	63	56	Q	Q	Q
Year constructed							
Before 1920	362	322	275	286	130	15	14
1920 to 1945	488	413	367	383	138	Q	22
1946 to 1959	599	517	477	460	189	21	24
1960 to 1969	639	559	538	540	188	25	57
1970 to 1979	684	599	563	577	195	32	60
1980 to 1989	915	754	730	727	221	51	59
1990 to 1999	845	675	663	631	232	31	63
2000 to 2003	375	322	321	312	102	29	35
2004 to 2007	347	291	293	275	108	19	34
2008 to 2012	303	270	235	231	84	Q	42

Table B24. Energy end uses, number of buildings, 2012

Number of buildings (thousand)

	Energy used for (more than one may apply)						Electricity generation
	All buildings	Space heating	Cooling	Water heating	Cooking	Manufacturing	
All buildings	5,557	4,722	4,461	4,423	1,589	259	410
Census region and division							
Northeast	805	727	592	671	249	44	107
New England	302	264	187	235	104	20	39
Middle Atlantic	504	463	405	436	145	25	68
Midwest	1,237	1,096	970	1,014	370	55	84
East North Central	735	670	601	629	233	29	53
West North Central	502	426	370	385	137	26	31
South	2,247	1,842	1,891	1,740	664	83	141
South Atlantic	1,091	873	935	856	307	31	71
East South Central	370	336	335	325	144	Q	29
West South Central	786	633	621	560	213	41	40
West	1,267	1,057	1,007	997	306	77	78
Mountain	338	293	259	260	84	Q	19
Pacific	929	764	748	737	222	63	59
Climate region¹							
Very cold/Cold	2,031	1,792	1,497	1,639	574	110	186
Mixed-humid	1,743	1,545	1,482	1,445	558	57	115
Mixed-dry/Hot-dry	837	676	682	635	188	Q	47
Hot-humid	799	593	699	590	230	32	51
Marine	147	116	101	113	39	Q	10
Number of workers (main shift)							
Fewer than 5	2,892	2,184	1,932	1,917	660	92	89
5 to 9	1,085	1,020	999	977	308	61	67
10 to 19	731	692	699	700	271	42	65
20 to 49	513	494	498	495	197	44	63
50 to 99	206	203	203	203	92	13	58
100 to 249	93	92	93	93	40	5	45
250 or more	37	37	37	37	21	2	23
Weekly operating hours							
Fewer than 40	1,149	815	690	703	329	Q	28
40 to 48	1,346	1,230	1,168	1,107	228	93	83
49 to 60	1,244	1,143	1,084	1,063	251	95	87
61 to 84	764	672	669	676	290	32	42
85 to 167	479	414	419	428	249	14	43
Open continuously	575	448	431	447	242	10	126

Table B24. Energy end uses, number of buildings, 2012

	Number of buildings (thousand)						
	Energy used for (more than one may apply)						
	All buildings	Space heating	Cooling	Water heating	Cooking	Manufacturing	Electricity generation
All buildings	5,557	4,722	4,461	4,423	1,589	259	410
Ownership and occupancy							
Nongovernment owned	4,781	4,028	3,817	3,791	1,359	248	266
Owner occupied	2,466	2,198	2,046	2,048	854	130	160
Leased to tenant(s)	1,745	1,458	1,421	1,401	416	100	75
Owner occupied and leased	349	325	324	316	82	18	30
Unoccupied	221	47	26	26	Q	N	Q
Government owned	776	694	644	632	230	10	144
Federal	33	33	33	33	8	Q	6
State	185	168	159	146	40	Q	27
Local	558	493	452	452	182	Q	111
Energy sources (more than one may apply)							
Electricity	5,234	4,717	4,461	4,423	1,589	259	410
Natural gas	2,933	2,888	2,700	2,742	1,087	153	270
Fuel oil	467	455	360	411	166	25	214
District heat	48	48	44	45	14	Q	15
District chilled water	54	51	54	51	9	Q	12
Propane	510	491	420	466	234	43	79
Other	172	172	126	141	60	Q	73
Energy end uses (more than one may apply)							
Buildings with space heating	4,722	4,722	4,272	4,237	1,525	234	400
Buildings with cooling	4,461	4,272	4,461	4,097	1,497	217	386
Buildings with water heating	4,423	4,237	4,097	4,423	1,573	228	395
Buildings with cooking	1,589	1,525	1,497	1,573	1,589	64	202
Buildings with manufacturing	259	234	217	228	64	259	18
Buildings with electricity generation	410	400	386	395	202	18	410
Food preparation or serving areas in non-food service buildings (more than one may apply)							
Snack bar or concession stand	153	142	147	150	153	Q	32
Fast food or small restaurant	173	165	172	173	173	Q	32
Cafeteria or large restaurant	130	128	124	130	130	Q	47
Commercial kitchen/food preparation area	282	276	275	282	282	14	74
Small kitchen area	736	715	679	723	736	30	86
Separate computer areas (more than one may apply)							
Data center or server farm	97	93	96	94	35	6	52
Computer-based training room	244	233	242	241	109	9	64
Student or public computer center	238	236	230	230	138	Q	46

Table B24. Energy end uses, number of buildings, 2012

	Number of buildings (thousand)						
	Energy used for (more than one may apply)						
	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation
All buildings	5,557	4,722	4,461	4,423	1,589	259	410

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).

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: April 2015

Revised date: May 2016

Table B25. Energy end uses, floorspace, 2012

	Total floorspace (million square feet)						
	Energy used for (more than one may apply)						
	All buildings	Space heating	Cooling	Water heating	Cooking	Manufacturing	Electricity generation
All buildings	87,093	80,078	79,294	79,015	38,546	5,078	25,642
Building floorspace (square feet)							
1,001 to 5,000	8,041	6,699	6,124	6,102	2,073	284	321
5,001 to 10,000	8,900	7,590	7,304	7,236	2,733	542	596
10,001 to 25,000	14,105	12,744	12,357	12,401	4,134	855	1,008
25,001 to 50,000	11,917	10,911	10,813	11,007	3,858	1,022	2,032
50,001 to 100,000	13,918	13,114	13,069	13,063	6,870	761	4,139
100,001 to 200,000	12,415	11,941	12,152	11,903	6,587	691	5,050
200,001 to 500,000	10,724	10,348	10,518	10,351	6,969	665	6,665
Over 500,000	7,074	6,730	6,958	6,951	5,322	Q	5,830
Principal building activity							
Education	12,239	12,099	11,811	11,905	8,479	Q	4,126
Food sales	1,252	1,196	1,190	1,252	943	Q	394
Food service	1,819	1,762	1,712	1,817	1,738	Q	Q
Health care	4,155	4,109	4,148	4,153	2,649	Q	2,954
Inpatient	2,374	2,354	2,374	2,374	2,230	Q	2,266
Outpatient	1,781	1,754	1,774	1,779	419	Q	688
Lodging	5,826	5,696	5,700	5,821	4,293	Q	2,781
Mercantile	11,330	10,794	11,121	10,960	6,396	529	2,281
Retail (other than mall)	5,439	5,088	5,230	5,070	1,773	Q	877
Enclosed and strip malls	5,890	5,706	5,890	5,890	4,623	Q	1,404
Office	15,952	15,753	15,882	15,663	5,230	684	6,027
Public assembly	5,559	5,323	5,235	5,318	2,751	Q	1,878
Public order and safety	1,440	1,391	1,384	1,341	912	N	1,185
Religious worship	4,557	4,511	4,271	4,337	3,394	Q	Q
Service	4,630	4,157	3,773	3,763	517	465	422
Warehouse and storage	13,077	9,987	10,120	10,041	922	1,996	2,326
Other	2,002	1,886	1,820	1,614	Q	951	688
Vacant	3,256	1,415	1,125	1,031	Q	Q	Q
Year constructed							
Before 1920	3,983	3,583	3,087	3,403	1,493	403	554
1920 to 1945	6,025	5,527	5,215	5,299	2,711	Q	1,252
1946 to 1959	7,381	6,895	6,679	6,410	3,409	575	1,523
1960 to 1969	10,362	9,730	9,634	9,699	4,644	497	3,083
1970 to 1979	10,846	10,045	10,031	10,158	4,837	828	3,145
1980 to 1989	15,230	13,723	14,011	13,831	6,545	969	4,690
1990 to 1999	13,803	12,389	12,402	12,209	6,517	396	4,184
2000 to 2003	7,215	6,707	6,939	6,889	2,874	470	2,705
2004 to 2007	6,524	5,972	6,071	5,955	3,140	386	2,236
2008 to 2012	5,723	5,505	5,225	5,162	2,375	Q	2,269

Table B25. Energy end uses, floorspace, 2012

Total floorspace (million square feet)

	Energy used for (more than one may apply)						
	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation
All buildings	87,093	80,078	79,294	79,015	38,546	5,078	25,642
Census region and division							
Northeast	15,534	15,053	13,949	14,633	8,177	1,059	6,223
New England	4,302	4,090	3,482	3,915	2,053	391	1,456
Middle Atlantic	11,232	10,963	10,467	10,718	6,124	669	4,767
Midwest	18,919	18,055	17,144	17,592	8,726	1,172	5,358
East North Central	12,742	12,240	11,675	12,082	6,175	807	3,912
West North Central	6,178	5,815	5,469	5,510	2,551	365	1,445
South	34,279	30,499	31,734	30,261	14,381	1,708	9,377
South Atlantic	17,981	15,883	17,094	16,144	7,925	821	5,901
East South Central	4,904	4,692	4,710	4,598	2,255	Q	1,075
West South Central	11,394	9,923	9,931	9,519	4,201	705	2,401
West	18,360	16,471	16,467	16,529	7,262	1,139	4,683
Mountain	4,981	4,704	4,489	4,440	2,420	Q	1,635
Pacific	13,379	11,767	11,978	12,089	4,842	999	3,049
Climate region¹							
Very cold/Cold	31,898	30,469	28,228	29,567	14,975	2,133	10,597
Mixed-humid	27,873	26,716	26,365	25,772	13,469	1,273	8,525
Mixed-dry/Hot-dry	12,037	10,484	10,887	10,585	4,029	786	2,471
Hot-humid	12,831	10,090	11,624	10,837	5,098	684	3,168
Marine	2,454	2,319	2,190	2,255	975	Q	880
Number of workers (main shift)							
Fewer than 5	17,751	12,931	11,595	11,783	4,138	556	1,002
5 to 9	8,973	8,492	8,238	8,205	2,501	519	857
10 to 19	9,623	8,970	9,190	9,137	3,203	787	1,058
20 to 49	14,514	14,126	14,219	14,097	6,481	1,231	2,923
50 to 99	13,476	13,184	13,323	13,171	7,501	965	4,761
100 to 249	10,941	10,805	10,913	10,912	6,181	508	6,177
250 or more	11,815	11,570	11,815	11,711	8,540	512	8,863
Weekly operating hours							
Fewer than 40	8,220	5,763	5,083	5,137	2,921	Q	399
40 to 48	15,828	14,867	14,512	14,388	4,974	1,449	2,971
49 to 60	20,529	19,365	19,297	18,878	6,900	1,867	5,055
61 to 84	15,867	15,148	15,170	15,304	8,122	939	4,185
85 to 167	9,395	8,711	8,864	8,937	4,615	421	3,329
Open continuously	17,253	16,224	16,368	16,371	11,014	351	9,703

Table B25. Energy end uses, floorspace, 2012

Total floorspace (million square feet)

	Energy used for (more than one may apply)						Electricity generation
	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	
All buildings	87,093	80,078	79,294	79,015	38,546	5,078	25,642
Ownership and occupancy							
Nongovernment owned	67,550	61,341	60,960	60,645	26,909	4,745	17,555
Owner occupied	30,637	28,745	28,174	27,869	13,400	2,024	8,079
Leased to tenant(s)	26,115	23,766	23,907	23,900	9,378	2,107	5,917
Owner occupied and leased	8,873	8,328	8,602	8,544	4,115	614	3,502
Unoccupied	1,925	502	278	332	Q	N	Q
Government owned	19,543	18,736	18,334	18,370	11,637	333	8,086
Federal	1,573	1,557	1,573	1,565	933	Q	1,122
State	5,539	5,411	5,252	5,270	2,538	Q	1,829
Local	12,431	11,768	11,508	11,535	8,166	Q	5,136
Energy sources (more than one may apply)							
Electricity	84,869	80,053	79,294	79,015	38,546	5,078	25,642
Natural gas	58,725	58,129	56,899	57,019	31,026	3,740	20,271
Fuel oil	20,200	19,670	19,309	19,708	12,694	863	17,073
District heat	5,964	5,962	5,903	5,822	3,154	Q	3,749
District chilled water	4,608	4,561	4,608	4,511	2,084	Q	2,731
Propane	7,706	7,332	7,061	7,383	4,209	809	3,380
Other	3,826	3,826	3,573	3,679	2,076	Q	2,881
Energy end uses (more than one may apply)							
Buildings with space heating	80,078	80,078	76,834	76,584	37,771	4,790	25,155
Buildings with cooling	79,294	76,834	79,294	76,414	37,687	4,682	25,350
Buildings with water heating	79,015	76,584	76,414	79,015	38,389	4,570	25,280
Buildings with cooking	38,546	37,771	37,687	38,389	38,546	1,300	16,803
Buildings with manufacturing	5,078	4,790	4,682	4,570	1,300	5,078	889
Buildings with electricity generation	25,642	25,155	25,350	25,280	16,803	889	25,642
Food preparation or serving areas in non-food service buildings (more than one may apply)							
Snack bar or concession stand	9,884	9,564	9,819	9,864	9,884	Q	6,316
Fast food or small restaurant	9,787	9,479	9,771	9,778	9,787	Q	4,977
Cafeteria or large restaurant	15,222	15,000	15,046	15,219	15,222	Q	9,066
Commercial kitchen/ food preparation area	16,150	15,857	15,968	16,150	16,150	504	9,181
Small kitchen area	14,054	13,624	13,601	13,926	14,054	660	5,837
Separate computer areas (more than one may apply)							
Data center or server farm	11,105	10,939	11,093	11,013	6,849	462	8,337
Computer-based training room	17,723	17,336	17,589	17,659	12,340	556	9,480
Student or public computer center	14,341	14,205	14,090	14,268	10,945	Q	6,480

Table B25. Energy end uses, floorspace, 2012

Total floorspace (million square feet)

Energy used for (more than one may apply)

	All buildings	Space heating	Cooling	Water heating	Cooking	Manu- facturing	Electricity gener- ation
All buildings	87,093	80,078	79,294	79,015	38,546	5,078	25,642

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).

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 B26. Space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)							
	All buildings	Buildings with space heating	Space-heating energy sources used (more than one may apply)					
Electricity			Natural gas	Fuel oil	District heat	Propane		
All buildings	5,557	4,722	2,858	2,612	270	48	342	101
Building floorspace (square feet)								
1,001 to 5,000	2,777	2,257	1,379	1,115	148	Q	180	48
5,001 to 10,000	1,229	1,046	606	595	49	Q	96	29
10,001 to 25,000	884	797	482	494	42	Q	51	Q
25,001 to 50,000	332	304	189	203	15	6	9	Q
50,001 to 100,000	199	187	123	121	9	10	Q	Q
100,001 to 200,000	90	86	54	54	4	9	Q	Q
200,001 to 500,000	38	36	21	25	2	5	Q	Q
Over 500,000	8	8	4	4	(*)	2	Q	Q
Principal building activity								
Education	389	379	214	203	21	12	16	Q
Food sales	177	160	123	63	Q	N	Q	Q
Food service	380	359	202	207	Q	Q	25	Q
Health care	157	153	92	85	6	2	Q	Q
Inpatient	10	9	4	5	2	1	Q	Q
Outpatient	147	144	87	80	Q	Q	Q	Q
Lodging	158	153	116	64	Q	4	Q	Q
Mercantile	602	572	387	324	35	Q	35	Q
Retail (other than mall)	438	412	250	216	32	Q	33	Q
Enclosed and strip malls	164	160	137	107	Q	Q	Q	Q
Office	1,012	989	653	554	42	12	27	Q
Public assembly	352	330	162	187	Q	7	46	Q
Public order and safety	84	81	44	47	Q	Q	Q	Q
Religious worship	412	408	231	217	Q	N	63	Q
Service	619	528	270	329	70	Q	54	39
Warehouse and storage	796	420	264	235	Q	Q	26	Q
Other	125	100	53	56	Q	Q	Q	Q
Vacant	296	87	47	40	Q	Q	Q	Q
Year constructed								
Before 1920	362	322	167	189	45	5	35	Q
1920 to 1945	488	413	190	263	33	7	Q	Q
1946 to 1959	599	517	320	310	39	5	32	Q
1960 to 1969	639	559	308	357	52	9	27	Q
1970 to 1979	684	599	370	353	21	10	48	Q
1980 to 1989	915	754	513	383	19	2	36	Q
1990 to 1999	845	675	398	352	23	3	59	Q
2000 to 2003	375	322	202	153	21	4	33	Q
2004 to 2007	347	291	210	126	Q	2	25	Q
2008 to 2012	303	270	182	126	Q	Q	Q	Q

Table B26. Space-heating energy sources, number of buildings, 2012

Number of buildings (thousand)

	Space-heating energy sources used (more than one may apply)							
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat	Propane	Other ¹
All buildings	5,557	4,722	2,858	2,612	270	48	342	101
Census region and division								
Northeast	805	727	310	392	170	16	59	Q
New England	302	264	99	82	105	Q	38	Q
Middle Atlantic	504	463	211	310	65	9	21	Q
Midwest	1,237	1,096	493	819	39	7	105	32
East North Central	735	670	282	559	20	3	29	Q
West North Central	502	426	211	260	19	4	76	Q
South	2,247	1,842	1,380	782	53	18	124	Q
South Atlantic	1,091	873	704	299	29	9	58	Q
East South Central	370	336	239	168	Q	Q	35	Q
West South Central	786	633	437	316	Q	5	Q	Q
West	1,267	1,057	676	618	Q	7	54	Q
Mountain	338	293	165	202	Q	Q	24	Q
Pacific	929	764	511	416	Q	5	Q	Q
Climate region²								
Very cold/Cold	2,031	1,792	814	1,198	192	18	156	75
Mixed-humid	1,743	1,545	1,009	826	70	20	135	Q
Mixed-dry/Hot-dry	837	676	445	361	Q	4	39	Q
Hot-humid	799	593	521	142	Q	Q	Q	N
Marine	147	116	69	84	Q	Q	Q	Q
Number of workers (main shift)								
Fewer than 5	2,892	2,184	1,217	1,126	171	Q	218	63
5 to 9	1,085	1,020	658	527	43	Q	55	Q
10 to 19	731	692	425	434	22	Q	40	Q
20 to 49	513	494	341	306	16	11	23	Q
50 to 99	206	203	141	134	11	7	Q	Q
100 to 249	93	92	54	64	5	7	Q	Q
250 or more	37	37	22	21	2	6	Q	Q
Weekly operating hours								
Fewer than 40	1,149	815	448	416	45	Q	113	Q
40 to 48	1,346	1,230	751	674	87	7	72	Q
49 to 60	1,244	1,143	694	687	65	11	72	45
61 to 84	764	672	421	387	30	9	26	Q
85 to 167	479	414	258	232	Q	6	19	Q
Open continuously	575	448	287	217	28	11	39	Q

Table B26. Space-heating energy sources, number of buildings, 2012

Number of buildings (thousand)

	Space-heating energy sources used (more than one may apply)							
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat	Propane	Other ¹
All buildings	5,557	4,722	2,858	2,612	270	48	342	101
Ownership and occupancy								
Nongovernment owned	4,781	4,028	2,464	2,203	234	22	290	96
Owner occupied	2,466	2,198	1,264	1,162	145	13	202	72
Leased to tenant(s)	1,745	1,458	958	838	69	Q	67	Q
Owner occupied and leased	349	325	221	181	15	2	19	Q
Unoccupied	221	47	22	22	Q	Q	Q	N
Government owned	776	694	394	409	36	26	52	Q
Federal	33	33	19	18	Q	1	Q	Q
State	185	168	100	91	Q	18	Q	Q
Local	558	493	275	300	32	7	38	Q
Energy sources (more than one may apply)								
Electricity	5,234	4,717	2,858	2,612	270	48	340	96
Natural gas	2,933	2,888	1,371	2,612	40	17	24	34
Fuel oil	467	455	211	133	270	10	45	25
District heat	48	48	12	2	Q	48	Q	Q
District chilled water	54	51	27	10	Q	26	Q	Q
Propane	510	491	268	59	60	Q	342	Q
Other	172	172	72	66	30	1	Q	101
Primary space-heating energy source								
Electricity	1,819	1,819	1,819	262	24	Q	49	Q
Natural gas	2,322	2,322	846	2,322	17	Q	11	Q
Fuel oil	205	205	57	Q	205	Q	Q	Q
District heat	47	47	12	2	Q	47	N	Q
Propane	261	261	110	Q	Q	N	261	Q
Other	67	67	Q	Q	Q	N	Q	67
Cooling energy sources (more than one may apply)								
Electricity	4,413	4,226	2,677	2,390	177	23	275	62
Natural gas	12	12	5	12	Q	Q	N	N
District chilled water	54	51	27	10	Q	26	Q	Q
Water-heating energy sources (more than one may apply)								
Electricity	2,658	2,512	1,819	1,051	144	16	193	37
Natural gas	1,758	1,722	816	1,540	18	9	11	18
Fuel oil	77	76	23	6	67	Q	Q	Q
District heat	25	25	6	Q	Q	25	N	Q
Propane	142	133	77	Q	Q	Q	110	Q
Cooking energy sources (more than one may apply)								
Electricity	1,010	969	633	513	44	10	91	17
Natural gas	740	717	412	579	18	8	Q	Q
Propane	144	132	75	Q	20	Q	67	Q

Table B26. Space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)							
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat	Propane	Other ¹
All buildings	5,557	4,722	2,858	2,612	270	48	342	101
Energy end uses (more than one may apply)								
Buildings with space heating	4,722	4,722	2,858	2,612	270	48	342	101
Buildings with cooling	4,461	4,272	2,699	2,402	177	44	275	62
Buildings with water heating	4,423	4,237	2,569	2,424	222	45	307	71
Buildings with cooking	1,589	1,525	938	890	73	14	137	25
Buildings with manufacturing	259	234	145	141	Q	Q	Q	Q
Buildings with electricity generation	410	400	239	225	36	15	37	Q
Percent of floorspace heated								
Not heated	835	N	N	N	N	N	N	N
1 to 50	697	697	484	285	47	Q	59	Q
51 to 99	727	727	463	420	36	7	55	Q
100	3,298	3,298	1,911	1,907	187	40	228	66
Heating equipment (more than one may apply)								
Heat pumps	628	628	611	188	18	3	26	Q
Furnaces	755	755	366	530	20	Q	72	Q
Individual space heaters	1,247	1,247	868	722	118	9	146	72
District heat	48	48	12	2	Q	48	Q	Q
Boilers	544	544	225	390	85	Q	31	Q
Packaged heating units	2,802	2,802	1,785	1,717	116	3	181	30
Other	62	62	46	34	Q	Q	Q	Q

¹Other includes wood, coal, solar, and all other energy sources. The most commonly used other energy sources was waste oil.

²These 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).

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 B27. Space-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)							
	All buildings	Buildings with space heating	Space-heating energy sources used (more than one may apply)					
Elec- tricity			Natural gas	Fuel oil	District heat	Propane		
All buildings	87,093	80,078	49,030	49,511	4,351	5,925	3,067	1,010
Building floorspace (square feet)								
1,001 to 5,000	8,041	6,699	4,185	3,323	412	Q	538	129
5,001 to 10,000	8,900	7,590	4,384	4,343	366	Q	682	213
10,001 to 25,000	14,105	12,744	7,716	7,989	725	Q	767	Q
25,001 to 50,000	11,917	10,911	6,897	7,228	576	213	329	Q
50,001 to 100,000	13,918	13,114	8,668	8,524	698	704	Q	Q
100,001 to 200,000	12,415	11,941	7,321	7,507	548	1,313	Q	Q
200,001 to 500,000	10,724	10,348	5,991	6,990	632	1,553	Q	Q
Over 500,000	7,074	6,730	3,869	3,608	394	1,974	Q	Q
Principal building activity								
Education	12,239	12,099	6,254	7,967	1,074	1,155	307	Q
Food sales	1,252	1,196	883	667	Q	N	Q	Q
Food service	1,819	1,762	1,017	1,023	Q	Q	124	Q
Health care	4,155	4,109	2,083	2,616	502	671	Q	Q
Inpatient	2,374	2,354	1,008	1,627	430	563	Q	Q
Outpatient	1,781	1,754	1,076	989	Q	Q	Q	Q
Lodging	5,826	5,696	3,878	3,153	Q	621	Q	Q
Mercantile	11,330	10,794	8,132	7,435	306	Q	386	Q
Retail (other than mall)	5,439	5,088	3,041	3,050	256	Q	306	Q
Enclosed and strip malls	5,890	5,706	5,091	4,385	Q	Q	Q	Q
Office	15,952	15,753	10,281	8,555	560	1,794	209	Q
Public assembly	5,559	5,323	2,645	3,337	Q	888	306	Q
Public order and safety	1,440	1,391	643	851	Q	Q	Q	Q
Religious worship	4,557	4,511	2,656	2,671	Q	N	366	Q
Service	4,630	4,157	2,193	2,758	393	Q	432	370
Warehouse and storage	13,077	9,987	6,476	6,499	Q	Q	293	Q
Other	2,002	1,886	1,185	1,218	Q	Q	Q	Q
Vacant	3,256	1,415	702	760	Q	Q	Q	Q
Year constructed								
Before 1920	3,983	3,583	1,867	1,970	622	523	164	Q
1920 to 1945	6,025	5,527	2,744	3,202	551	888	Q	Q
1946 to 1959	7,381	6,895	3,836	4,908	616	446	203	Q
1960 to 1969	10,362	9,730	5,387	6,574	695	1,002	388	Q
1970 to 1979	10,846	10,045	5,931	6,549	590	930	425	Q
1980 to 1989	15,230	13,723	9,378	7,995	421	446	330	Q
1990 to 1999	13,803	12,389	7,947	7,613	370	642	539	Q
2000 to 2003	7,215	6,707	4,181	3,758	203	Q	347	Q
2004 to 2007	6,524	5,972	4,077	3,454	Q	Q	306	Q
2008 to 2012	5,723	5,505	3,683	3,488	Q	Q	Q	Q

Table B27. Space-heating energy sources, floorspace, 2012

Total floorspace (million square feet)

	Space-heating energy sources used (more than one may apply)							
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat	Propane	Other ¹
All buildings	87,093	80,078	49,030	49,511	4,351	5,925	3,067	1,010
Census region and division								
Northeast	15,534	15,053	7,276	9,352	2,851	1,981	653	206
New England	4,302	4,090	1,848	1,990	1,270	Q	314	Q
Middle Atlantic	11,232	10,963	5,428	7,362	1,581	1,628	339	Q
Midwest	18,919	18,055	8,638	14,031	667	906	1,003	301
East North Central	12,742	12,240	5,687	10,122	292	574	280	Q
West North Central	6,178	5,815	2,951	3,909	375	332	723	Q
South	34,279	30,499	22,558	15,438	765	2,171	927	Q
South Atlantic	17,981	15,883	12,514	7,309	458	1,148	498	Q
East South Central	4,904	4,692	3,170	2,662	Q	Q	218	Q
West South Central	11,394	9,923	6,874	5,467	Q	637	Q	Q
West	18,360	16,471	10,559	10,690	Q	867	484	Q
Mountain	4,981	4,704	2,791	3,180	Q	482	141	Q
Pacific	13,379	11,767	7,768	7,509	Q	385	343	Q
Climate region²								
Very cold/Cold	31,898	30,469	15,252	22,436	2,375	1,926	1,520	677
Mixed-humid	27,873	26,716	17,288	15,774	1,721	3,002	1,056	Q
Mixed-dry/Hot-dry	12,037	10,484	6,815	6,268	Q	Q	389	Q
Hot-humid	12,831	10,090	8,300	3,316	Q	362	Q	N
Marine	2,454	2,319	1,374	1,717	Q	Q	Q	Q
Number of workers (main shift)								
Fewer than 5	17,751	12,931	6,806	7,144	998	Q	1,222	284
5 to 9	8,973	8,492	5,390	4,655	348	Q	465	Q
10 to 19	9,623	8,970	5,488	5,914	311	Q	390	Q
20 to 49	14,514	14,126	9,380	9,275	555	623	388	Q
50 to 99	13,476	13,184	8,881	8,947	786	669	Q	Q
100 to 249	10,941	10,805	6,410	7,504	710	1,096	Q	Q
250 or more	11,815	11,570	6,676	6,072	644	3,053	Q	Q
Weekly operating hours								
Fewer than 40	8,220	5,763	2,920	3,370	339	Q	523	Q
40 to 48	15,828	14,867	9,120	8,966	1,006	403	502	Q
49 to 60	20,529	19,365	11,893	12,179	944	1,099	769	428
61 to 84	15,867	15,148	10,229	9,927	814	828	345	Q
85 to 167	9,395	8,711	4,995	5,964	Q	631	359	Q
Open continuously	17,253	16,224	9,873	9,106	988	2,792	569	Q

Table B27. Space-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)							
	Space-heating energy sources used (more than one may apply)							
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat	Propane	Other ¹
All buildings	87,093	80,078	49,030	49,511	4,351	5,925	3,067	1,010
Ownership and occupancy								
Nongovernment owned	67,550	61,341	39,210	37,495	2,844	3,119	2,429	834
Owner occupied	30,637	28,745	16,986	16,788	1,691	1,825	1,638	523
Leased to tenant(s)	26,115	23,766	16,368	15,108	734	730	497	Q
Owner occupied and leased	8,873	8,328	5,641	5,282	392	557	285	Q
Unoccupied	1,925	502	214	317	Q	Q	Q	N
Government owned	19,543	18,736	9,821	12,016	1,507	2,807	638	Q
Federal	1,573	1,557	798	657	Q	697	Q	Q
State	5,539	5,411	2,730	3,069	Q	1,526	Q	Q
Local	12,431	11,768	6,293	8,290	1,169	584	397	Q
Energy sources (more than one may apply)								
Electricity	84,869	80,053	49,030	49,511	4,351	5,925	3,052	985
Natural gas	58,725	58,129	32,047	49,511	1,908	2,833	487	485
Fuel oil	20,200	19,670	10,619	10,235	4,351	3,088	787	261
District heat	5,964	5,962	1,895	361	Q	5,925	Q	Q
District chilled water	4,608	4,561	1,510	707	Q	3,718	Q	Q
Propane	7,706	7,332	4,182	2,701	1,257	Q	3,067	Q
Other	3,826	3,826	1,944	2,377	311	335	Q	1,010
Primary space-heating energy source								
Electricity	26,205	26,205	26,205	5,856	421	Q	590	Q
Natural gas	42,988	42,988	19,376	42,988	1,122	Q	227	Q
Fuel oil	2,542	2,542	663	Q	2,542	Q	Q	Q
District heat	5,797	5,797	1,765	308	Q	5,797	N	Q
Propane	1,948	1,948	882	Q	Q	N	1,948	Q
Other	598	598	Q	Q	Q	N	Q	598
Cooling energy sources (more than one may apply)								
Electricity	76,034	73,613	47,155	47,299	3,656	3,399	2,685	812
Natural gas	732	732	220	714	Q	Q	N	N
District chilled water	4,608	4,561	1,510	707	Q	3,718	Q	Q
Water-heating energy sources (more than one may apply)								
Electricity	42,755	40,801	30,763	20,740	2,094	1,841	1,630	475
Natural gas	39,523	39,083	21,539	34,731	1,169	834	296	278
Fuel oil	1,911	1,805	618	506	1,617	Q	Q	Q
District heat	4,551	4,551	1,360	217	Q	4,515	N	Q
Propane	1,575	1,478	1,007	Q	Q	Q	1,201	Q
Cooking energy sources (more than one may apply)								
Electricity	25,151	24,576	16,437	15,271	1,532	2,207	895	342
Natural gas	24,770	24,425	15,237	19,231	1,158	1,636	Q	Q
Propane	2,001	1,877	1,108	Q	555	Q	773	Q

Table B27. Space-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)							
	Space-heating energy sources used (more than one may apply)							
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat	Propane	Other ¹
All buildings	87,093	80,078	49,030	49,511	4,351	5,925	3,067	1,010
Energy end uses (more than one may apply)								
Buildings with space heating	80,078	80,078	49,030	49,511	4,351	5,925	3,067	1,010
Buildings with cooling	79,294	76,834	47,914	47,836	3,660	5,864	2,685	821
Buildings with water heating	79,015	76,584	46,987	47,816	4,139	5,783	2,889	881
Buildings with cooking	38,546	37,771	23,802	24,658	2,443	3,116	1,449	400
Buildings with manufacturing	5,078	4,790	3,256	3,397	Q	Q	Q	Q
Buildings with electricity generation	25,642	25,155	14,799	15,867	1,644	3,710	748	Q
Percent of floorspace heated								
Not heated	7,015	N	N	N	N	N	N	N
1 to 50	10,130	10,130	6,797	4,940	751	Q	490	Q
51 to 99	14,650	14,650	9,640	9,298	606	1,126	659	Q
100	55,298	55,298	32,593	35,274	2,994	4,683	1,918	737
Heating equipment (more than one may apply)								
Heat pumps	11,846	11,846	11,482	5,928	527	556	385	Q
Furnaces	8,654	8,654	5,040	6,837	183	Q	481	Q
Individual space heaters	20,766	20,766	16,235	13,893	1,648	1,334	1,217	590
District heat	5,925	5,925	1,869	350	Q	5,925	Q	Q
Boilers	22,443	22,443	10,721	18,893	2,556	Q	565	Q
Packaged heating units	49,188	49,188	35,389	32,966	1,746	725	1,963	411
Other	1,574	1,574	1,352	1,094	Q	Q	Q	Q

¹Other includes wood, coal, solar, and all other energy sources.

²These 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).

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 B28. Primary space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)					
	All buildings	Buildings with space heating	Primary space-heating energy source used ¹			
Electricity			Natural gas	Fuel oil	District heat	
All buildings	5,557	4,722	1,819	2,322	205	47
Building floorspace (square feet)						
1,001 to 5,000	2,777	2,257	928	1,025	119	Q
5,001 to 10,000	1,229	1,046	398	520	37	Q
10,001 to 25,000	884	797	280	433	32	Q
25,001 to 50,000	332	304	106	174	Q	6
50,001 to 100,000	199	187	70	97	6	10
100,001 to 200,000	90	86	27	48	2	9
200,001 to 500,000	38	36	8	23	Q	5
Over 500,000	8	8	2	4	Q	2
Principal building activity						
Education	389	379	154	182	17	12
Food sales	177	160	88	56	Q	N
Food service	380	359	146	183	Q	Q
Health care	157	153	60	82	5	2
Inpatient	10	9	Q	5	Q	1
Outpatient	147	144	58	77	Q	Q
Lodging	158	153	93	45	Q	4
Mercantile	602	572	229	283	Q	Q
Retail (other than mall)	438	412	160	192	Q	Q
Enclosed and strip malls	164	160	68	91	Q	Q
Office	1,012	989	424	493	32	12
Public assembly	352	330	94	164	Q	7
Public order and safety	84	81	Q	45	Q	Q
Religious worship	412	408	132	199	Q	N
Service	619	528	127	290	48	Q
Warehouse and storage	796	420	180	213	Q	Q
Other	125	100	36	47	Q	Q
Vacant	296	87	38	39	Q	Q
Year constructed						
Before 1920	362	322	72	176	40	5
1920 to 1945	488	413	109	248	25	7
1946 to 1959	599	517	187	266	29	5
1960 to 1969	639	559	161	326	37	9
1970 to 1979	684	599	219	311	Q	10
1980 to 1989	915	754	363	336	Q	2
1990 to 1999	845	675	269	320	20	2
2000 to 2003	375	322	145	132	Q	4
2004 to 2007	347	291	161	105	Q	2
2008 to 2012	303	270	133	103	Q	Q

Table B28. Primary space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)					
	All buildings	Buildings with space heating	Primary space-heating energy source used ¹			
Electricity			Natural gas	Fuel oil	District heat	
All buildings	5,557	4,722	1,819	2,322	205	47
Census region and division						
Northeast	805	727	138	361	141	15
New England	302	264	38	75	93	Q
Middle Atlantic	504	463	100	286	48	9
Midwest	1,237	1,096	193	768	Q	6
East North Central	735	670	90	530	Q	3
West North Central	502	426	102	238	Q	4
South	2,247	1,842	1,043	647	32	18
South Atlantic	1,091	873	557	239	21	8
East South Central	370	336	153	140	Q	Q
West South Central	786	633	334	268	Q	5
West	1,267	1,057	445	547	Q	7
Mountain	338	293	80	187	Q	Q
Pacific	929	764	365	360	Q	5
Climate region²						
Very cold/Cold	2,031	1,792	338	1,102	155	17
Mixed-humid	1,743	1,545	651	709	51	20
Mixed-dry/Hot-dry	837	676	332	315	N	4
Hot-humid	799	593	466	114	N	Q
Marine	147	116	Q	82	N	Q
Number of workers (main shift)						
Fewer than 5	2,892	2,184	788	1,040	136	Q
5 to 9	1,085	1,020	467	451	33	Q
10 to 19	731	692	269	370	Q	Q
20 to 49	513	494	186	274	Q	11
50 to 99	206	203	74	112	7	7
100 to 249	93	92	24	58	2	7
250 or more	37	37	11	18	Q	6
Weekly operating hours						
Fewer than 40	1,149	815	282	384	40	Q
40 to 48	1,346	1,230	472	613	64	7
49 to 60	1,244	1,143	425	593	43	11
61 to 84	764	672	263	348	25	8
85 to 167	479	414	176	200	Q	6
Open continuously	575	448	200	184	22	11

Table B28. Primary space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)					
	All buildings	Buildings with space heating	Primary space-heating energy source used ¹			
Electricity			Natural gas	Fuel oil	District heat	
All buildings	5,557	4,722	1,819	2,322	205	47
Ownership and occupancy						
Nongovernment owned	4,781	4,028	1,600	1,944	176	21
Owner occupied	2,466	2,198	834	1,025	109	13
Leased to tenant(s)	1,745	1,458	611	735	52	Q
Owner occupied and leased	349	325	136	163	Q	2
Unoccupied	221	47	Q	21	Q	Q
Government owned	776	694	219	378	29	26
Federal	33	33	Q	17	Q	1
State	185	168	58	81	Q	18
Local	558	493	149	281	26	7
Energy sources (more than one may apply)						
Electricity	5,234	4,717	1,819	2,322	205	47
Natural gas	2,933	2,888	509	2,322	15	17
Fuel oil	467	455	85	114	205	10
District heat	48	48	Q	Q	Q	47
District chilled water	54	51	20	6	N	26
Propane	510	491	122	45	47	Q
Other	172	172	33	47	Q	1
Energy end uses (more than one may apply)						
Buildings with space heating	4,722	4,722	1,819	2,322	205	47
Buildings with cooling	4,461	4,272	1,728	2,126	135	43
Buildings with water heating	4,423	4,237	1,599	2,148	169	44
Buildings with cooking	1,589	1,525	558	774	58	13
Buildings with manufacturing	259	234	87	124	Q	Q
Buildings with electricity generation	410	400	131	199	25	15
Percent of floorspace heated						
Not heated	835	N	N	N	N	N
1 to 50	697	697	369	244	31	Q
51 to 99	727	727	275	370	28	7
100	3,298	3,298	1,175	1,709	146	40
Heating equipment (more than one may apply)						
Heat pumps	628	628	484	117	Q	2
Furnaces	755	755	191	485	Q	Q
Individual space heaters	1,247	1,247	392	622	81	8
District heat	48	48	Q	Q	Q	47
Boilers	544	544	83	355	71	Q
Packaged heating units	2,802	2,802	1,057	1,506	85	3
Other	62	62	14	27	Q	Q

Table B28. Primary space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)					
	All buildings	Buildings with space heating	Primary space-heating energy source used ¹			
Electricity			Natural gas	Fuel oil	District heat	
All buildings	5,557	4,722	1,819	2,322	205	47

¹Additionally, 261,000 buildings used propane and 67,000 buildings used wood, coal, or some other energy source for primary space heating.

²These 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).

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 B29. Primary space-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)					
	Primary space-heating energy source used ¹					
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat
All buildings	87,093	80,078	26,205	42,988	2,542	5,797
Building floorspace (square feet)						
1,001 to 5,000	8,041	6,699	2,766	3,050	329	Q
5,001 to 10,000	8,900	7,590	2,865	3,802	280	Q
10,001 to 25,000	14,105	12,744	4,433	6,957	509	Q
25,001 to 50,000	11,917	10,911	3,871	6,174	Q	213
50,001 to 100,000	13,918	13,114	4,892	6,844	413	704
100,001 to 200,000	12,415	11,941	3,646	6,624	348	1,283
200,001 to 500,000	10,724	10,348	2,129	6,487	Q	1,472
Over 500,000	7,074	6,730	1,603	3,050	Q	1,956
Principal building activity						
Education	12,239	12,099	2,972	7,188	649	1,096
Food sales	1,252	1,196	461	630	Q	N
Food service	1,819	1,762	695	892	Q	Q
Health care	4,155	4,109	818	2,416	175	656
Inpatient	2,374	2,354	160	1,517	Q	550
Outpatient	1,781	1,754	658	900	Q	Q
Lodging	5,826	5,696	2,814	2,086	Q	594
Mercantile	11,330	10,794	3,901	6,337	Q	Q
Retail (other than mall)	5,439	5,088	1,820	2,736	Q	Q
Enclosed and strip malls	5,890	5,706	2,081	3,601	Q	Q
Office	15,952	15,753	6,053	7,445	296	1,772
Public assembly	5,559	5,323	1,184	2,820	Q	883
Public order and safety	1,440	1,391	Q	747	Q	Q
Religious worship	4,557	4,511	1,472	2,482	Q	N
Service	4,630	4,157	981	2,247	254	Q
Warehouse and storage	13,077	9,987	3,556	5,855	Q	Q
Other	2,002	1,886	522	1,155	Q	Q
Vacant	3,256	1,415	506	687	Q	Q
Year constructed						
Before 1920	3,983	3,583	574	1,795	Q	523
1920 to 1945	6,025	5,527	1,212	2,961	323	888
1946 to 1959	7,381	6,895	1,414	4,453	378	439
1960 to 1969	10,362	9,730	2,394	5,802	292	995
1970 to 1979	10,846	10,045	2,988	5,484	Q	930
1980 to 1989	15,230	13,723	5,760	6,868	Q	441
1990 to 1999	13,803	12,389	4,634	6,478	258	534
2000 to 2003	7,215	6,707	2,543	3,395	Q	Q
2004 to 2007	6,524	5,972	2,543	2,845	Q	Q
2008 to 2012	5,723	5,505	2,142	2,908	Q	Q

Table B29. Primary space-heating energy sources, floorspace, 2012

Total floorspace (million square feet)

	Primary space-heating energy source used ¹					
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat
All buildings	87,093	80,078	26,205	42,988	2,542	5,797
Census region and division						
Northeast	15,534	15,053	2,188	8,366	1,988	1,954
New England	4,302	4,090	468	1,811	1,099	Q
Middle Atlantic	11,232	10,963	1,720	6,555	889	1,601
Midwest	18,919	18,055	2,982	13,084	Q	864
East North Central	12,742	12,240	1,702	9,587	Q	532
West North Central	6,178	5,815	1,281	3,497	Q	332
South	34,279	30,499	15,118	12,312	299	2,112
South Atlantic	17,981	15,883	8,533	5,694	245	1,089
East South Central	4,904	4,692	1,982	2,067	Q	Q
West South Central	11,394	9,923	4,604	4,551	Q	637
West	18,360	16,471	5,917	9,226	Q	867
Mountain	4,981	4,704	1,122	2,893	Q	482
Pacific	13,379	11,767	4,794	6,333	Q	385
Climate region²						
Very cold/Cold	31,898	30,469	4,771	20,554	1,623	1,884
Mixed-humid	27,873	26,716	9,282	12,884	919	2,916
Mixed-dry/Hot-dry	12,037	10,484	4,600	5,252	N	Q
Hot-humid	12,831	10,090	6,969	2,710	N	362
Marine	2,454	2,319	583	1,588	N	Q
Number of workers (main shift)						
Fewer than 5	17,751	12,931	4,326	6,471	831	Q
5 to 9	8,973	8,492	3,673	3,941	185	Q
10 to 19	9,623	8,970	3,380	4,804	Q	Q
20 to 49	14,514	14,126	4,997	7,987	Q	623
50 to 99	13,476	13,184	4,367	7,604	488	610
100 to 249	10,941	10,805	2,446	6,863	316	1,091
250 or more	11,815	11,570	3,015	5,317	Q	3,015
Weekly operating hours						
Fewer than 40	8,220	5,763	1,746	3,060	293	Q
40 to 48	15,828	14,867	5,065	8,184	755	381
49 to 60	20,529	19,365	6,696	10,341	472	1,099
61 to 84	15,867	15,148	5,020	8,585	512	769
85 to 167	9,395	8,711	2,280	5,455	Q	624
Open continuously	17,253	16,224	5,397	7,363	405	2,752

Table B29. Primary space-heating energy sources, floorspace, 2012

Total floorspace (million square feet)

	Primary space-heating energy source used ¹					
	All buildings	Buildings with space heating	Electricity	Natural gas	Fuel oil	District heat
All buildings	87,093	80,078	26,205	42,988	2,542	5,797
Ownership and occupancy						
Nongovernment owned	67,550	61,341	22,225	32,258	1,658	3,076
Owner occupied	30,637	28,745	9,948	14,409	976	1,793
Leased to tenant(s)	26,115	23,766	9,250	12,976	426	730
Owner occupied and leased	8,873	8,328	2,842	4,592	Q	547
Unoccupied	1,925	502	Q	280	Q	Q
Government owned	19,543	18,736	3,980	10,730	884	2,721
Federal	1,573	1,557	Q	593	Q	697
State	5,539	5,411	983	2,717	Q	1,445
Local	12,431	11,768	2,785	7,420	656	579
Energy sources (more than one may apply)						
Electricity	84,869	80,053	26,205	42,988	2,542	5,797
Natural gas	58,725	58,129	11,549	42,988	410	2,791
Fuel oil	20,200	19,670	4,651	9,022	2,542	2,991
District heat	5,964	5,962	Q	Q	Q	5,797
District chilled water	4,608	4,561	418	437	N	3,698
Propane	7,706	7,332	1,765	2,300	921	Q
Other	3,826	3,826	730	1,948	Q	276
Energy end uses (more than one may apply)						
Buildings with space heating	80,078	80,078	26,205	42,988	2,542	5,797
Buildings with cooling	79,294	76,834	25,613	41,435	1,984	5,736
Buildings with water heating	79,015	76,584	24,862	41,377	2,362	5,655
Buildings with cooking	38,546	37,771	11,243	21,175	1,261	3,017
Buildings with manufacturing	5,078	4,790	1,456	2,969	Q	Q
Buildings with electricity generation	25,642	25,155	6,392	13,940	720	3,613
Percent of floorspace heated						
Not heated	7,015	N	N	N	N	N
1 to 50	10,130	10,130	5,013	4,123	Q	Q
51 to 99	14,650	14,650	4,903	7,919	319	1,067
100	55,298	55,298	16,289	30,946	1,767	4,614
Heating equipment (more than one may apply)						
Heat pumps	11,846	11,846	7,215	3,792	Q	464
Furnaces	8,654	8,654	2,270	5,778	Q	Q
Individual space heaters	20,766	20,766	6,035	11,482	1,008	1,271
District heat	5,925	5,925	Q	Q	Q	5,797
Boilers	22,443	22,443	2,982	17,437	1,504	Q
Packaged heating units	49,188	49,188	18,523	27,826	757	650
Other	1,574	1,574	447	873	Q	Q

Table B29. Primary space-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)					
	All buildings	Buildings with space heating	Primary space-heating energy source used ¹			
Electricity			Natural gas	Fuel oil		
All buildings	87,093	80,078	26,205	42,988	2,542	5,797

¹Additionally, buildings comprising 1,948 million square feet used propane and buildings comprising 598 million square feet used wood, coal, or some other energy source for primary space heating.

²These 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).

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: April 2015

Revised date: May 2016

Table B30. Cooling energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)			All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)		
			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Building floorspace (square feet)										
1,001 to 5,000	2,777	2,062	2,054	Q	Q	8,041	6,124	6,107	Q	Q
5,001 to 10,000	1,229	1,004	996	Q	Q	8,900	7,304	7,252	Q	Q
10,001 to 25,000	884	774	764	Q	9	14,105	12,357	12,211	Q	145
25,001 to 50,000	332	302	296	Q	Q	11,917	10,813	10,615	Q	Q
50,001 to 100,000	199	187	179	Q	10	13,918	13,069	12,618	Q	567
100,001 to 200,000	90	88	81	Q	9	12,415	12,152	11,034	Q	1,273
200,001 to 500,000	38	37	35	Q	4	10,724	10,518	9,887	Q	1,064
Over 500,000	8	8	7	(*)	1	7,074	6,958	6,310	167	1,306
Principal building activity										
Education	389	361	338	Q	25	12,239	11,811	10,673	Q	1,292
Food sales	177	165	165	N	N	1,252	1,190	1,190	N	N
Food service	380	358	356	N	Q	1,819	1,712	1,668	N	Q
Health care	157	154	153	(*)	Q	4,155	4,148	3,966	200	523
Inpatient	10	10	9	(*)	1	2,374	2,374	2,227	176	477
Outpatient	147	145	143	Q	Q	1,781	1,774	1,739	Q	Q
Lodging	158	145	142	Q	Q	5,826	5,700	5,308	Q	Q
Mercantile	602	560	560	Q	N	11,330	11,121	11,121	Q	N
Retail (other than mall)	438	396	396	N	N	5,439	5,230	5,230	N	N
Enclosed and strip malls	164	164	164	Q	N	5,890	5,890	5,890	Q	N
Office	1,012	995	985	Q	10	15,952	15,882	15,179	Q	1,096
Public assembly	352	295	291	N	5	5,559	5,235	4,629	N	880
Public order and safety	84	74	74	Q	Q	1,440	1,384	1,358	Q	Q
Religious worship	412	375	375	N	Q	4,557	4,271	4,271	N	Q
Service	619	435	435	N	N	4,630	3,773	3,758	N	N
Warehouse and storage	796	391	388	Q	N	13,077	10,120	10,059	Q	N
Other	125	90	89	Q	Q	2,002	1,820	1,806	Q	Q
Vacant	296	63	62	N	Q	3,256	1,125	1,048	N	Q
Year constructed										
Before 1920	362	275	272	N	Q	3,983	3,087	2,908	N	Q
1920 to 1945	488	367	366	Q	Q	6,025	5,215	5,081	Q	Q
1946 to 1959	599	477	472	Q	Q	7,381	6,679	6,569	Q	203
1960 to 1969	639	538	528	Q	11	10,362	9,634	8,962	Q	923
1970 to 1979	684	563	555	Q	9	10,846	10,031	9,440	Q	811
1980 to 1989	915	730	727	Q	3	15,230	14,011	13,830	Q	310
1990 to 1999	845	663	654	Q	10	13,803	12,402	11,924	Q	664
2000 to 2003	375	321	315	Q	5	7,215	6,939	6,463	Q	Q
2004 to 2007	347	293	290	Q	6	6,524	6,071	5,722	Q	418
2008 to 2012	303	235	232	Q	Q	5,723	5,225	5,135	Q	Q

Table B30. Cooling energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)			All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)		
			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Census region and division										
Northeast	805	592	583	6	7	15,534	13,949	13,303	305	794
New England	302	187	183	Q	Q	4,302	3,482	3,317	Q	Q
Middle Atlantic	504	405	400	3	Q	11,232	10,467	9,986	216	656
Midwest	1,237	970	967	Q	2	18,919	17,144	16,826	Q	585
East North Central	735	601	599	Q	2	12,742	11,675	11,474	Q	420
West North Central	502	370	369	Q	Q	6,178	5,469	5,352	Q	Q
South	2,247	1,891	1,861	Q	35	34,279	31,734	29,950	Q	2,479
South Atlantic	1,091	935	917	Q	22	17,981	17,094	16,368	Q	1,202
East South Central	370	335	329	Q	Q	4,904	4,710	4,307	Q	Q
West South Central	786	621	616	Q	6	11,394	9,931	9,275	Q	773
West	1,267	1,007	1,001	Q	9	18,360	16,467	15,955	Q	749
Mountain	338	259	258	Q	1	4,981	4,489	4,205	Q	Q
Pacific	929	748	743	Q	8	13,379	11,978	11,749	Q	329
Climate region¹										
Very cold/Cold	2,031	1,497	1,488	8	7	31,898	28,228	27,377	403	1,227
Mixed-humid	1,743	1,482	1,467	3	18	27,873	26,365	24,968	272	2,027
Mixed-dry/Hot-dry	837	682	679	Q	7	12,037	10,887	10,490	Q	Q
Hot-humid	799	699	680	Q	21	12,831	11,624	11,043	Q	752
Marine	147	101	99	Q	Q	2,454	2,190	2,157	Q	Q
Number of workers (main shift)										
Fewer than 5	2,892	1,932	1,918	Q	Q	17,751	11,595	11,383	Q	Q
5 to 9	1,085	999	994	N	Q	8,973	8,238	8,177	N	Q
10 to 19	731	699	696	N	Q	9,623	9,190	9,070	N	Q
20 to 49	513	498	486	Q	9	14,514	14,219	13,707	Q	505
50 to 99	206	203	197	Q	9	13,476	13,323	12,844	Q	683
100 to 249	93	93	87	Q	6	10,941	10,913	10,076	Q	982
250 or more	37	37	35	1	5	11,815	11,815	10,777	378	1,986
Weekly operating hours										
Fewer than 40	1,149	690	689	Q	Q	8,220	5,083	4,986	Q	Q
40 to 48	1,346	1,168	1,154	Q	12	15,828	14,512	14,078	Q	521
49 to 60	1,244	1,084	1,075	Q	10	20,529	19,297	18,670	Q	805
61 to 84	764	669	662	Q	9	15,867	15,170	14,763	Q	524
85 to 167	479	419	409	Q	12	9,395	8,864	8,451	Q	606
Open continuously	575	431	423	Q	11	17,253	16,368	15,087	329	2,005
Ownership and occupancy										
Nongovernment owned	4,781	3,817	3,802	11	17	67,550	60,960	59,329	542	2,104
Owner occupied	2,466	2,046	2,038	Q	14	30,637	28,174	26,984	147	1,478
Leased to tenant(s)	1,745	1,421	1,415	Q	2	26,115	23,907	23,688	Q	297
Owner occupied and leased	349	324	322	Q	1	8,873	8,602	8,379	Q	329
Unoccupied	221	26	26	N	N	1,925	278	278	N	N
Government owned	776	644	611	Q	37	19,543	18,334	16,705	Q	2,504
Federal	33	33	32	Q	Q	1,573	1,573	1,403	Q	Q
State	185	159	142	Q	20	5,539	5,252	4,086	Q	1,448
Local	558	452	437	Q	16	12,431	11,508	11,217	Q	612

Table B30. Cooling energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)			All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)		
			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Energy sources (more than one may apply)										
Electricity	5,234	4,461	4,413	12	54	84,869	79,294	76,034	732	4,608
Natural gas	2,933	2,700	2,679	12	21	58,725	56,899	55,138	732	2,431
Fuel oil	467	360	355	1	8	20,200	19,309	18,259	364	2,134
District heat	48	44	23	Q	26	5,964	5,903	3,429	Q	3,730
District chilled water	54	54	13	Q	54	4,608	4,608	1,586	Q	4,608
Propane	510	420	416	Q	Q	7,706	7,061	6,814	Q	Q
Other	172	126	125	Q	Q	3,826	3,573	3,490	Q	Q
Primary space-heating energy source										
Electricity	1,819	1,728	1,712	Q	20	26,205	25,613	25,317	Q	418
Natural gas	2,322	2,126	2,116	10	6	42,988	41,435	40,980	703	437
Fuel oil	205	135	135	N	N	2,542	1,984	1,984	N	N
District heat	47	43	23	Q	26	5,797	5,736	3,274	Q	3,698
Propane	261	207	207	N	N	1,948	1,643	1,643	N	N
Other	67	33	33	N	Q	598	425	416	N	Q
Water-heating energy sources (more than one may apply)										
Electricity	2,658	2,481	2,460	Q	27	42,755	41,520	40,675	Q	1,381
Natural gas	1,758	1,646	1,632	7	15	39,523	38,464	37,575	663	1,155
Fuel oil	77	58	58	Q	Q	1,911	1,705	1,705	Q	Q
District heat	25	24	14	Q	13	4,551	4,527	2,668	Q	2,783
Propane	142	120	120	N	N	1,575	1,413	1,413	N	N
Cooking energy sources (more than one may apply)										
Electricity	1,010	962	959	(*)	6	25,151	24,665	24,152	170	1,407
Natural gas	740	712	707	1	6	24,770	24,434	23,744	294	1,175
Propane	144	121	120	N	Q	2,001	1,849	1,833	N	Q
Energy end uses (more than one may apply)										
Buildings with space heating	4,722	4,272	4,226	12	51	80,078	76,834	73,613	732	4,561
Buildings with cooling	4,461	4,461	4,413	12	54	79,294	79,294	76,034	732	4,608
Buildings with water heating	4,423	4,097	4,054	10	51	79,015	76,414	73,215	724	4,511
Buildings with cooking	1,589	1,497	1,491	1	9	38,546	37,687	36,626	298	2,084
Buildings with manufacturing	259	217	217	Q	Q	5,078	4,682	4,682	Q	Q
Buildings with electricity generation	410	386	377	2	12	25,642	25,350	23,770	437	2,731
Percent of floorspace cooled										
Not cooled	1,096	N	N	N	N	7,799	N	N	N	N
1 to 50	1,173	1,173	1,172	Q	Q	18,891	18,891	18,815	Q	Q
51 to 99	897	897	885	1	18	22,728	22,728	21,607	166	1,953
100	2,391	2,391	2,355	9	36	37,676	37,676	35,612	415	2,569

Table B30. Cooling energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)			All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)		
			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Cooling equipment (more than one may apply)										
Residential-type central air conditioners	1,546	1,546	1,546	Q	Q	14,765	14,765	14,765	Q	Q
Heat pumps	692	692	692	Q	Q	12,538	12,538	12,538	Q	268
Individual air conditioners	709	709	709	Q	2	12,420	12,420	12,420	174	636
District chilled water	54	54	13	Q	54	4,608	4,608	1,586	Q	4,608
Central chillers	163	163	162	5	1	17,041	17,041	16,872	629	393
Packaged air conditioning units	1,909	1,909	1,903	8	7	45,153	45,153	45,047	389	833
Swamp coolers	109	109	109	Q	Q	1,918	1,918	1,918	Q	Q
Other	Q	Q	Q	Q	Q	328	328	328	Q	Q

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).

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.

Release date: April 2015

Revised date: May 2016

Table B31. Water-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	5,557	4,423	2,658	1,758	77	25	142
Building floorspace (square feet)							
1,001 to 5,000	2,777	2,032	1,304	684	Q	Q	58
5,001 to 10,000	1,229	992	594	384	Q	Q	47
10,001 to 25,000	884	775	431	351	Q	Q	26
25,001 to 50,000	332	307	167	157	Q	Q	Q
50,001 to 100,000	199	186	94	109	Q	6	Q
100,001 to 200,000	90	86	46	49	2	6	Q
200,001 to 500,000	38	36	18	21	1	4	Q
Over 500,000	8	8	4	4	(*)	2	Q
Principal building activity							
Education	389	332	159	167	11	7	Q
Food sales	177	177	115	59	Q	N	Q
Food service	380	379	155	216	Q	Q	27
Health care	157	156	93	65	2	2	Q
Inpatient	10	10	2	7	1	1	Q
Outpatient	147	146	90	58	Q	Q	Q
Lodging	158	158	55	91	Q	3	Q
Mercantile	602	531	400	194	Q	Q	Q
Retail (other than mall)	438	367	263	101	Q	Q	Q
Enclosed and strip malls	164	164	137	93	Q	Q	Q
Office	1,012	943	614	323	Q	8	Q
Public assembly	352	317	160	135	Q	3	Q
Public order and safety	84	80	46	28	Q	Q	Q
Religious worship	412	383	233	144	Q	N	Q
Service	619	442	273	161	Q	Q	Q
Warehouse and storage	796	370	264	117	Q	N	Q
Other	125	98	66	31	Q	Q	Q
Vacant	296	56	26	27	Q	Q	Q
Year constructed							
Before 1920	362	286	173	104	Q	2	Q
1920 to 1945	488	383	187	176	Q	4	Q
1946 to 1959	599	460	267	189	Q	2	Q
1960 to 1969	639	540	278	269	14	5	Q
1970 to 1979	684	577	342	245	Q	4	Q
1980 to 1989	915	727	495	243	Q	1	21
1990 to 1999	845	631	377	249	Q	2	30
2000 to 2003	375	312	204	108	Q	Q	Q
2004 to 2007	347	275	189	93	Q	Q	Q
2008 to 2012	303	231	145	83	Q	Q	Q

Table B31. Water-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	5,557	4,423	2,658	1,758	77	25	142
Census region and division							
Northeast	805	671	324	291	69	9	37
New England	302	235	127	55	46	Q	28
Middle Atlantic	504	436	197	236	23	Q	Q
Midwest	1,237	1,014	525	493	Q	5	31
East North Central	735	629	295	350	Q	2	Q
West North Central	502	385	230	143	Q	Q	24
South	2,247	1,740	1,242	527	Q	7	42
South Atlantic	1,091	856	665	202	Q	Q	21
East South Central	370	325	238	92	Q	Q	Q
West South Central	786	560	339	233	Q	Q	Q
West	1,267	997	567	447	Q	4	32
Mountain	338	260	130	129	Q	Q	Q
Pacific	929	737	437	317	Q	3	Q
Climate region¹							
Very cold/Cold	2,031	1,639	838	748	64	10	71
Mixed-humid	1,743	1,445	944	521	12	10	37
Mixed-dry/Hot-dry	837	635	358	290	Q	Q	Q
Hot-humid	799	590	459	136	Q	Q	Q
Marine	147	113	58	63	Q	Q	N
Number of workers (main shift)							
Fewer than 5	2,892	1,917	1,207	644	39	Q	71
5 to 9	1,085	977	606	354	Q	Q	37
10 to 19	731	700	376	339	Q	Q	23
20 to 49	513	495	290	239	Q	5	Q
50 to 99	206	203	115	110	Q	4	Q
100 to 249	93	93	45	55	2	6	Q
250 or more	37	37	20	17	1	5	Q
Weekly operating hours							
Fewer than 40	1,149	703	445	239	Q	Q	Q
40 to 48	1,346	1,107	722	381	23	Q	21
49 to 60	1,244	1,063	650	412	Q	6	36
61 to 84	764	676	408	299	Q	4	19
85 to 167	479	428	225	213	Q	4	Q
Open continuously	575	447	208	213	18	9	25

Table B31. Water-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	5,557	4,423	2,658	1,758	77	25	142
Ownership and occupancy							
Nongovernment owned	4,781	3,791	2,323	1,482	63	13	120
Owner occupied	2,466	2,048	1,195	806	45	10	86
Leased to tenant(s)	1,745	1,401	904	541	Q	1	27
Owner occupied and leased	349	316	213	121	Q	2	Q
Unoccupied	221	26	Q	Q	N	N	Q
Government owned	776	632	335	275	14	12	22
Federal	33	33	18	14	Q	1	Q
State	185	146	75	66	Q	10	Q
Local	558	452	242	195	12	2	Q
Energy sources (more than one may apply)							
Electricity	5,234	4,423	2,658	1,758	77	25	142
Natural gas	2,933	2,742	1,180	1,758	9	9	Q
Fuel oil	467	411	240	106	77	7	11
District heat	48	45	16	9	Q	25	Q
District chilled water	54	51	27	15	Q	13	N
Propane	510	466	283	43	29	Q	142
Other	172	141	78	45	Q	Q	Q
Primary space-heating energy source							
Electricity	1,819	1,599	1,315	319	Q	Q	24
Natural gas	2,322	2,148	911	1,378	5	Q	Q
Fuel oil	205	169	104	Q	61	N	Q
District heat	47	44	16	9	Q	25	N
Propane	261	234	138	Q	N	N	101
Other	67	44	28	Q	Q	N	Q
Cooking energy sources (more than one may apply)							
Electricity	1,010	997	604	422	22	5	37
Natural gas	740	739	268	576	7	3	Q
Propane	144	142	77	5	17	N	58
Energy end uses (more than one may apply)							
Buildings with space heating	4,722	4,237	2,512	1,722	76	25	133
Buildings with cooling	4,461	4,097	2,481	1,646	58	24	120
Buildings with water heating	4,423	4,423	2,658	1,758	77	25	142
Buildings with cooking	1,589	1,573	810	795	41	7	76
Buildings with manufacturing	259	228	145	84	Q	Q	Q
Buildings with electricity generation	410	395	200	184	20	11	20

Table B31. Water-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	Buildings with water heating	Water-heating energy sources used (more than one may apply)				
Electricity			Natural gas	Fuel oil	District heat		
All buildings	5,557	4,423	2,658	1,758	77	25	142
Water-heating equipment							
Centralized system	3,348	3,348	1,901	1,367	63	19	106
Distributed system	690	690	508	182	Q	3	Q
Combination of centralized and distributed system	385	385	250	209	7	4	14

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).

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 B32. Water-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Building floorspace (square feet)							
1,001 to 5,000	8,041	6,102	3,881	2,081	Q	Q	171
5,001 to 10,000	8,900	7,236	4,348	2,809	Q	Q	321
10,001 to 25,000	14,105	12,401	6,926	5,657	Q	Q	376
25,001 to 50,000	11,917	11,007	5,975	5,643	Q	Q	Q
50,001 to 100,000	13,918	13,063	6,672	7,528	Q	425	Q
100,001 to 200,000	12,415	11,903	6,162	6,819	238	965	Q
200,001 to 500,000	10,724	10,351	5,005	5,995	370	1,318	Q
Over 500,000	7,074	6,951	3,786	2,990	215	1,652	Q
Principal building activity							
Education	12,239	11,905	4,160	7,712	638	842	Q
Food sales	1,252	1,252	776	672	Q	N	Q
Food service	1,819	1,817	750	1,026	Q	Q	135
Health care	4,155	4,153	1,309	2,587	345	576	Q
Inpatient	2,374	2,374	401	1,688	248	489	Q
Outpatient	1,781	1,779	908	899	Q	Q	Q
Lodging	5,826	5,821	1,122	4,267	Q	573	Q
Mercantile	11,330	10,960	8,922	5,490	Q	Q	Q
Retail (other than mall)	5,439	5,070	3,721	1,642	Q	Q	Q
Enclosed and strip malls	5,890	5,890	5,201	3,848	Q	Q	Q
Office	15,952	15,663	9,572	6,015	Q	1,368	Q
Public assembly	5,559	5,318	2,094	2,813	Q	742	Q
Public order and safety	1,440	1,341	635	742	Q	Q	Q
Religious worship	4,557	4,337	2,481	1,962	Q	N	Q
Service	4,630	3,763	2,303	1,416	Q	Q	Q
Warehouse and storage	13,077	10,041	7,195	3,545	Q	N	Q
Other	2,002	1,614	1,019	694	Q	Q	Q
Vacant	3,256	1,031	417	582	Q	Q	Q
Year constructed							
Before 1920	3,983	3,403	1,858	1,274	Q	369	Q
1920 to 1945	6,025	5,299	2,357	2,362	Q	847	Q
1946 to 1959	7,381	6,410	2,829	3,659	299	287	Q
1960 to 1969	10,362	9,699	4,423	5,654	366	828	Q
1970 to 1979	10,846	10,158	4,854	5,625	Q	718	Q
1980 to 1989	15,230	13,831	8,845	6,263	Q	200	312
1990 to 1999	13,803	12,209	6,946	6,084	Q	442	334
2000 to 2003	7,215	6,889	4,066	3,131	Q	Q	Q
2004 to 2007	6,524	5,955	3,725	2,837	Q	Q	Q
2008 to 2012	5,723	5,162	2,852	2,635	Q	Q	Q

Table B32. Water-heating energy sources, floorspace, 2012

Total floorspace (million square feet)

	Water-heating energy sources used (more than one may apply)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Census region and division							
Northeast	15,534	14,633	6,561	7,533	1,401	1,641	389
New England	4,302	3,915	1,939	1,492	693	Q	233
Middle Atlantic	11,232	10,718	4,622	6,042	708	1,383	Q
Midwest	18,919	17,592	7,934	10,615	Q	767	392
East North Central	12,742	12,082	4,914	7,910	Q	470	Q
West North Central	6,178	5,510	3,020	2,705	Q	Q	251
South	34,279	30,261	19,449	12,258	Q	1,568	534
South Atlantic	17,981	16,144	11,163	5,651	Q	944	353
East South Central	4,904	4,598	2,900	2,103	Q	Q	Q
West South Central	11,394	9,519	5,386	4,504	Q	Q	Q
West	18,360	16,529	8,811	9,116	Q	575	260
Mountain	4,981	4,440	2,000	2,665	Q	Q	Q
Pacific	13,379	12,089	6,810	6,452	Q	243	Q
Climate region¹							
Very cold/Cold	31,898	29,567	13,252	16,960	1,111	1,515	768
Mixed-humid	27,873	25,772	14,954	11,896	711	2,304	482
Mixed-dry/Hot-dry	12,037	10,585	5,678	5,927	Q	Q	Q
Hot-humid	12,831	10,837	7,690	3,447	Q	Q	Q
Marine	2,454	2,255	1,180	1,294	Q	Q	N
Number of workers (main shift)							
Fewer than 5	17,751	11,783	6,498	4,706	319	Q	512
5 to 9	8,973	8,205	4,882	3,280	Q	Q	289
10 to 19	9,623	9,137	4,980	4,518	Q	Q	210
20 to 49	14,514	14,097	7,767	7,529	Q	331	Q
50 to 99	13,476	13,171	7,104	7,742	Q	409	Q
100 to 249	10,941	10,912	5,572	6,380	347	961	Q
250 or more	11,815	11,711	5,951	5,367	332	2,581	Q
Weekly operating hours							
Fewer than 40	8,220	5,137	2,681	2,427	Q	Q	Q
40 to 48	15,828	14,388	8,295	6,420	418	Q	220
49 to 60	20,529	18,878	10,853	8,403	Q	941	313
61 to 84	15,867	15,304	9,918	7,825	Q	501	243
85 to 167	9,395	8,937	4,695	5,011	Q	488	Q
Open continuously	17,253	16,371	6,313	9,437	544	2,337	445

Table B32. Water-heating energy sources, floorspace, 2012

Total floorspace (million square feet)

	Water-heating energy sources used (more than one may apply)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Ownership and occupancy							
Nongovernment owned	67,550	60,645	35,729	28,106	1,108	2,566	1,179
Owner occupied	30,637	27,869	13,903	13,220	757	1,593	849
Leased to tenant(s)	26,115	23,900	16,509	10,578	Q	456	195
Owner occupied and leased	8,873	8,544	5,232	4,063	Q	517	Q
Unoccupied	1,925	332	Q	Q	N	N	Q
Government owned	19,543	18,370	7,025	11,417	804	1,986	396
Federal	1,573	1,565	667	628	Q	691	Q
State	5,539	5,270	1,907	3,096	Q	1,010	Q
Local	12,431	11,535	4,452	7,693	607	285	Q
Energy sources (more than one may apply)							
Electricity	84,869	79,015	42,755	39,523	1,911	4,551	1,575
Natural gas	58,725	57,019	24,822	39,523	656	2,204	Q
Fuel oil	20,200	19,708	9,324	9,484	1,911	2,498	353
District heat	5,964	5,822	1,857	834	Q	4,551	Q
District chilled water	4,608	4,511	1,381	1,155	Q	2,783	N
Propane	7,706	7,383	3,982	2,110	824	Q	1,575
Other	3,826	3,679	1,875	1,782	Q	Q	Q
Primary space-heating energy source							
Electricity	26,205	24,862	19,438	7,239	Q	Q	370
Natural gas	42,988	41,377	17,136	30,635	436	Q	Q
Fuel oil	2,542	2,362	1,214	Q	1,220	N	Q
District heat	5,797	5,655	1,781	822	Q	4,451	N
Propane	1,948	1,819	930	Q	N	N	973
Other	598	508	301	Q	Q	N	Q
Cooking energy sources (more than one may apply)							
Electricity	25,151	25,034	13,898	13,806	876	1,832	524
Natural gas	24,770	24,735	10,836	18,986	513	1,347	Q
Propane	2,001	1,997	923	199	548	N	793
Energy end uses (more than one may apply)							
Buildings with space heating	80,078	76,584	40,801	39,083	1,805	4,551	1,478
Buildings with cooling	79,294	76,414	41,520	38,464	1,705	4,527	1,413
Buildings with water heating	79,015	79,015	42,755	39,523	1,911	4,551	1,575
Buildings with cooking	38,546	38,389	18,787	23,232	1,412	2,584	976
Buildings with manufacturing	5,078	4,570	2,952	1,929	Q	Q	Q
Buildings with electricity generation	25,642	25,280	11,460	14,319	964	3,078	488

Table B32. Water-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)						
	All buildings	Buildings with water heating	Water-heating energy sources used (more than one may apply)				
Electricity			Natural gas	Fuel oil	District heat		
All buildings	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Water-heating equipment							
Centralized system	47,534	47,534	21,435	24,806	1,318	3,002	1,006
Distributed system	12,688	12,688	9,362	4,088	Q	325	Q
Combination of centralized and distributed system	18,793	18,793	11,957	10,629	467	1,224	348

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).

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 B33. Cooking energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	Cooking energy sources used (more than one may apply)					Cooking energy sources used (more than one may apply)				
	All buildings	Buildings with cooking	Elec- tricity	Natural gas	Propane	All buildings	Buildings with cooking	Elec- tricity	Natural gas	Propane
All buildings	5,557	1,589	1,010	740	144	87,093	38,546	25,151	24,770	2,001
Building floorspace (square feet)										
1,001 to 5,000	2,777	673	441	265	77	8,041	2,073	1,351	819	242
5,001 to 10,000	1,229	376	225	168	37	8,900	2,733	1,625	1,252	281
10,001 to 25,000	884	257	167	126	17	14,105	4,134	2,651	2,124	253
25,001 to 50,000	332	108	63	64	Q	11,917	3,858	2,279	2,271	Q
50,001 to 100,000	199	96	63	62	6	13,918	6,870	4,530	4,526	367
100,001 to 200,000	90	48	31	33	Q	12,415	6,587	4,204	4,677	Q
200,001 to 500,000	38	25	16	18	Q	10,724	6,969	4,658	5,172	Q
Over 500,000	8	6	4	4	Q	7,074	5,322	3,854	3,930	Q
Principal building activity										
Education	389	169	116	86	7	12,239	8,479	5,876	5,686	420
Food sales	177	111	79	38	Q	1,252	943	651	588	Q
Food service	380	353	183	246	40	1,819	1,738	847	1,263	213
Health care	157	22	19	8	Q	4,155	2,649	1,952	1,989	Q
Inpatient	10	9	5	7	Q	2,374	2,230	1,564	1,826	Q
Outpatient	147	13	13	Q	Q	1,781	419	388	Q	Q
Lodging	158	94	52	49	14	5,826	4,293	2,250	3,167	362
Mercantile	602	157	101	92	Q	11,330	6,396	4,107	4,886	Q
Retail (other than mall)	438	52	43	9	Q	5,439	1,773	1,250	984	Q
Enclosed and strip malls	164	105	58	83	Q	5,890	4,623	2,858	3,902	Q
Office	1,012	130	101	39	Q	15,952	5,230	3,637	2,799	Q
Public assembly	352	143	89	46	24	5,559	2,751	1,980	1,484	241
Public order and safety	84	56	38	16	Q	1,440	912	622	455	Q
Religious worship	412	261	167	93	Q	4,557	3,394	1,966	1,799	Q
Service	619	39	28	Q	Q	4,630	517	447	Q	Q
Warehouse and storage	796	33	26	Q	Q	13,077	922	669	Q	Q
Other	125	Q	Q	Q	Q	2,002	Q	Q	Q	Q
Vacant	296	Q	Q	Q	Q	3,256	Q	Q	Q	Q
Year constructed										
Before 1920	362	130	82	45	Q	3,983	1,493	998	656	Q
1920 to 1945	488	138	84	73	Q	6,025	2,711	1,819	1,512	Q
1946 to 1959	599	189	109	96	19	7,381	3,409	1,948	2,274	196
1960 to 1969	639	188	108	105	Q	10,362	4,644	2,862	3,360	Q
1970 to 1979	684	195	130	93	14	10,846	4,837	2,990	3,265	262
1980 to 1989	915	221	148	103	9	15,230	6,545	4,342	4,168	360
1990 to 1999	845	232	145	113	27	13,803	6,517	4,293	4,387	452
2000 to 2003	375	102	75	38	Q	7,215	2,874	2,126	1,752	Q
2004 to 2007	347	108	69	40	Q	6,524	3,140	1,942	1,984	Q
2008 to 2012	303	84	60	34	Q	5,723	2,375	1,831	1,410	Q

Table B33. Cooking energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	All buildings	Buildings with cooking	Cooking energy sources used (more than one may apply)			All buildings	Buildings with cooking	Cooking energy sources used (more than one may apply)		
			Elec- tricity	Natural gas	Propane			Elec- tricity	Natural gas	Propane
All buildings	5,557	1,589	1,010	740	144	87,093	38,546	25,151	24,770	2,001
Census region and division										
Northeast	805	249	120	123	48	15,534	8,177	4,677	5,357	779
New England	302	104	53	33	Q	4,302	2,053	1,143	1,015	486
Middle Atlantic	504	145	67	90	10	11,232	6,124	3,534	4,341	293
Midwest	1,237	370	260	163	28	18,919	8,726	6,159	5,642	328
East North Central	735	233	161	120	Q	12,742	6,175	4,211	4,293	Q
West North Central	502	137	99	43	23	6,178	2,551	1,949	1,349	211
South	2,247	664	439	286	53	34,279	14,381	9,812	8,572	663
South Atlantic	1,091	307	206	124	31	17,981	7,925	5,446	4,427	510
East South Central	370	144	98	59	Q	4,904	2,255	1,544	1,487	Q
West South Central	786	213	135	103	Q	11,394	4,201	2,822	2,658	Q
West	1,267	306	191	168	Q	18,360	7,262	4,503	5,200	230
Mountain	338	84	58	36	Q	4,981	2,420	1,522	1,694	Q
Pacific	929	222	133	132	Q	13,379	4,842	2,981	3,506	Q
Climate region¹										
Very cold/Cold	2,031	574	360	251	70	31,898	14,975	9,761	9,670	1,008
Mixed-humid	1,743	558	353	268	44	27,873	13,469	9,042	8,466	503
Mixed-dry/Hot-dry	837	188	111	113	Q	12,037	4,029	2,299	3,055	Q
Hot-humid	799	230	162	81	22	12,831	5,098	3,437	2,873	391
Marine	147	39	24	27	Q	2,454	975	612	706	Q
Number of workers (main shift)										
Fewer than 5	2,892	660	416	243	81	17,751	4,138	2,425	1,747	510
5 to 9	1,085	308	206	131	Q	8,973	2,501	1,747	1,095	Q
10 to 19	731	271	163	141	22	9,623	3,203	2,080	1,501	250
20 to 49	513	197	124	121	Q	14,514	6,481	3,839	4,502	Q
50 to 99	206	92	62	61	5	13,476	7,501	5,012	5,178	438
100 to 249	93	40	25	30	2	10,941	6,181	3,989	4,852	268
250 or more	37	21	14	13	Q	11,815	8,540	6,060	5,895	Q
Weekly operating hours										
Fewer than 40	1,149	329	219	103	29	8,220	2,921	1,784	1,340	143
40 to 48	1,346	228	160	83	Q	15,828	4,974	3,446	2,792	Q
49 to 60	1,244	251	171	107	Q	20,529	6,900	4,845	3,813	Q
61 to 84	764	290	156	182	30	15,867	8,122	5,158	5,830	323
85 to 167	479	249	149	154	25	9,395	4,615	3,007	3,146	343
Open continuously	575	242	155	110	32	17,253	11,014	6,911	7,849	703
Ownership and occupancy										
Nongovernment owned	4,781	1,359	846	646	125	67,550	26,909	16,711	17,556	1,424
Owner occupied	2,466	854	544	352	87	30,637	13,400	8,113	8,066	904
Leased to tenant(s)	1,745	416	253	247	30	26,115	9,378	6,036	6,438	280
Owner occupied and leased	349	82	46	44	Q	8,873	4,115	2,557	3,041	Q
Unoccupied	221	Q	Q	Q	N	1,925	Q	Q	Q	N
Government owned	776	230	165	94	19	19,543	11,637	8,440	7,214	577
Federal	33	8	7	1	Q	1,573	933	851	305	Q
State	185	40	27	19	Q	5,539	2,538	1,659	1,546	Q
Local	558	182	131	73	17	12,431	8,166	5,930	5,363	462

Table B33. Cooking energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	Cooking energy sources used (more than one may apply)					Cooking energy sources used (more than one may apply)				
	All buildings	Buildings with cooking	Electricity	Natural gas	Propane	All buildings	Buildings with cooking	Electricity	Natural gas	Propane
All buildings	5,557	1,589	1,010	740	144	87,093	38,546	25,151	24,770	2,001
Energy sources (more than one may apply)										
Electricity	5,234	1,589	1,010	740	144	84,869	38,546	25,151	24,770	2,001
Natural gas	2,933	1,087	599	740	7	58,725	31,026	18,711	24,770	292
Fuel oil	467	166	110	64	32	20,200	12,694	8,895	8,238	950
District heat	48	14	10	8	Q	5,964	3,154	2,245	1,663	Q
District chilled water	54	9	6	6	Q	4,608	2,084	1,407	1,175	Q
Propane	510	234	137	15	144	7,706	4,209	2,578	1,466	2,001
Other	172	60	37	22	Q	3,826	2,076	1,278	1,226	Q
Water-heating energy sources (more than one may apply)										
Electricity	2,658	810	604	268	77	42,755	18,787	13,898	10,836	923
Natural gas	1,758	795	422	576	5	39,523	23,232	13,806	18,986	199
Fuel oil	77	41	22	7	17	1,911	1,412	876	513	548
District heat	25	7	5	3	N	4,551	2,584	1,832	1,347	N
Propane	142	76	37	Q	58	1,575	976	524	Q	793
Energy end uses (more than one may apply)										
Buildings with space heating	4,722	1,525	969	717	132	80,078	37,771	24,576	24,425	1,877
Buildings with cooling	4,461	1,497	962	712	121	79,294	37,687	24,665	24,434	1,849
Buildings with water heating	4,423	1,573	997	739	142	79,015	38,389	25,034	24,735	1,997
Buildings with cooking	1,589	1,589	1,010	740	144	38,546	38,546	25,151	24,770	2,001
Buildings with manufacturing	259	64	43	20	Q	5,078	1,300	780	782	Q
Buildings with electricity generation	410	202	128	107	25	25,642	16,803	11,443	11,825	916
Food preparation or serving areas in non-food service buildings (more than one may apply)										
Snack bar or concession stand	153	153	120	67	17	9,884	9,884	7,529	6,686	677
Fast food or small restaurant	173	173	99	115	19	9,787	9,787	6,204	7,482	364
Cafeteria or large restaurant	130	130	76	89	11	15,222	15,222	9,855	11,436	805
Commercial kitchen/food preparation area	282	282	152	191	23	16,150	16,150	10,121	12,728	723
Small kitchen area	736	736	535	213	57	14,054	14,054	10,205	7,370	626

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).

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.