

Release date: February 2015

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

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

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

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

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

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

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

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

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Equipment usage reduced when building not in full use (more than one may apply)							
Heating	63,167	39,016	13,596	3,841	3,219	2,993	502
Cooling	62,516	38,170	13,519	3,923	3,261	3,344	299
Lighting	78,594	50,744	16,528	4,238	3,456	3,628	N

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

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

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

N = No cases in reporting sample.

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

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