

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

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

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Total floorspace (million square feet)

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

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

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

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

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

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

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

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

Total floorspace (million square feet)

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

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

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

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

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

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

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

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

N = No cases in reporting sample.

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

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