

Table B9. Year Constructed, Floorspace, 1999

	Total Floorspace (million square feet)							
	All Buildings	Year Constructed						
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999
All Buildings	67,338	4,034	6,445	9,127	10,866	11,840	13,931	11,094
Building Floorspace (Square Feet)								
1,001 to 5,000	6,774	655	798	1,025	928	1,056	1,153	1,159
5,001 to 10,000	8,238	791	776	1,777	1,165	1,392	1,150	1,188
10,001 to 25,000	11,153	972	1,504	1,488	1,267	2,045	2,767	1,110
25,001 to 50,000	9,311	489	673	1,343	1,987	1,587	1,594	1,638
50,001 to 100,000	10,112	483	637	1,343	1,698	1,816	2,273	1,862
100,001 to 200,000	8,271	Q	727	789	1,593	1,147	2,088	1,662
200,001 to 500,000	6,851	Q	705	796	1,243	1,206	1,307	1,344
Over 500,000	6,628	Q	624	565	987	1,593	1,599	1,131
Principal Building Activity								
Education	8,651	278	1,138	1,831	2,035	1,411	719	1,239
Food Sales	994	Q	Q	Q	Q	Q	Q	355
Food Service	1,851	Q	265	Q	310	295	347	Q
Health Care	2,918	Q	Q	322	487	852	558	473
Inpatient	1,865	Q	Q	232	377	613	287	Q
Outpatient	1,053	Q	Q	Q	Q	238	271	319
Lodging	4,521	Q	Q	351	870	838	1,289	716
Mercantile	10,398	818	381	1,384	1,305	1,951	2,529	2,030
Retail (Other Than Mall)	4,766	773	242	886	517	509	700	1,139
Enclosed and Strip Malls	5,631	Q	Q	497	788	1,442	1,829	891
Office	12,044	702	1,051	1,155	1,685	2,036	3,586	1,830
Public Assembly	4,393	292	569	534	868	717	678	736
Public Order and Safety	1,168	Q	Q	Q	Q	Q	Q	227
Religious Worship	3,405	385	Q	641	612	718	418	357
Service	3,388	Q	629	541	608	645	515	336
Warehouse and Storage	10,477	380	1,092	1,265	1,247	1,793	2,620	2,079
Other	1,222	Q	Q	Q	355	Q	Q	367
Vacant	1,908	385	468	501	257	Q	Q	Q
Floors								
One	26,800	464	1,455	3,683	4,466	5,156	5,946	5,632
Two	16,985	796	1,569	2,853	2,761	2,860	3,489	2,657
Three	8,928	1,439	1,376	1,328	1,163	1,339	1,309	974
Four to Nine	10,180	1,188	1,457	875	1,707	1,629	2,005	1,319
Ten or More	4,445	Q	589	388	770	857	1,183	512
Census Region								
Northeast	12,360	1,392	1,619	2,030	2,050	1,823	2,070	1,376
Midwest	16,761	1,576	2,423	2,152	2,602	2,347	2,828	2,834
South	23,485	549	1,704	2,910	3,318	4,278	6,263	4,464
West	14,731	518	699	2,035	2,896	3,391	2,771	2,420
Workers (main shift)								
Fewer than 5	14,321	1,863	2,443	2,264	2,015	2,012	2,013	1,712
5 to 9	6,325	506	508	1,012	1,181	1,337	952	829
10 to 19	8,028	637	729	1,415	1,128	1,233	1,731	1,153
20 to 49	10,814	316	691	1,947	1,707	1,682	2,383	2,089
50 to 99	8,898	219	586	833	1,696	1,803	2,161	1,601
100 to 249	8,356	235	658	688	1,561	1,515	1,915	1,786
250 or More	10,595	Q	830	968	1,579	2,259	2,776	1,925
Weekly Operating Hours								
39 or Fewer	6,596	803	1,182	1,292	967	1,035	807	511
40 to 48	13,105	951	1,896	2,095	2,027	1,853	2,511	1,771
49 to 60	14,200	967	1,209	2,083	2,171	2,586	2,892	2,292
61 to 84	12,458	565	672	1,613	2,092	2,482	2,847	2,186
85 to 167	9,116	274	611	934	1,482	1,812	2,021	1,981
Open Continuously	11,863	474	876	1,110	2,127	2,071	2,853	2,352

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	All Buildings	Year Constructed						
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999
Ownership and Occupancy								
Nongovernment Owned	54,994	3,456	4,812	7,053	8,122	9,907	12,507	9,138
Owner Occupied	37,785	2,479	3,575	4,879	5,495	6,795	8,364	6,198
Nonowner Occupied	15,596	728	1,081	1,737	2,419	2,960	3,855	2,817
Unoccupied	1,613	Q	Q	437	Q	Q	Q	Q
Government Owned	12,343	579	1,633	2,074	2,745	1,933	1,424	1,956
Vacancy Status								
Completely Vacant	953	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant	956	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	15,520	932	1,360	1,583	2,382	2,646	3,802	2,817
Not At All Vacant	49,910	2,718	4,617	7,043	8,227	9,028	10,057	8,219
Energy Sources (more than one may apply)								
Electricity	65,716	3,714	6,281	8,794	10,686	11,750	13,485	11,007
Natural Gas	45,525	2,766	4,257	6,040	7,512	8,080	8,794	8,076
Fuel Oil	13,285	745	1,060	1,782	2,349	2,446	2,795	2,108
District Heat	5,891	486	764	1,088	1,406	788	682	677
District Chilled Water	2,750	Q	134	406	633	492	424	407
Propane	6,290	Q	473	748	1,220	1,033	1,333	1,295
Other	2,322	Q	Q	433	353	352	499	353
Energy End Uses (more than one may apply)								
Buildings with Space Heating	61,602	3,593	5,559	8,402	9,966	10,916	12,566	10,600
Buildings with Cooling	58,474	2,911	4,383	7,601	9,325	11,050	12,849	10,355
Buildings with Water Heating	56,115	3,130	4,644	7,154	9,421	10,182	12,137	9,446
Buildings with Cooking	24,681	1,091	2,232	3,195	4,178	4,551	5,030	4,403
Buildings with Manufacturing	3,126	Q	Q	535	409	555	744	485
Buildings with Electricity Generation	11,882	267	520	1,205	2,067	2,438	2,644	2,741
Percent of Floorspace Heated								
Not Heated	5,736	441	886	725	901	924	1,366	493
1 to 50	7,593	507	834	1,304	1,038	1,458	1,254	1,198
51 to 99	10,745	798	1,249	1,178	1,891	1,670	2,181	1,777
100	43,264	2,288	3,476	5,920	7,037	7,789	9,131	7,625
Percent of Floorspace Cooled								
Not Cooled	8,864	1,123	2,062	1,526	1,542	790	1,083	739
1 to 50	16,846	1,237	1,936	3,068	2,406	2,812	2,833	2,553
51 to 99	16,966	1,022	1,234	1,796	3,235	2,998	3,584	3,096
100	24,662	653	1,213	2,737	3,683	5,240	6,431	4,706
Percent Lit When Open								
Zero	173	N	N	Q	Q	Q	Q	Q
1 to 50	9,187	1,130	1,452	1,720	1,162	1,448	1,318	957
51 to 99	20,665	1,290	1,879	2,856	3,765	3,832	3,801	3,242
100	34,233	1,129	2,523	3,930	5,552	6,276	8,153	6,670
Building Never Open/ Electricity Not Used	3,080	486	590	605	371	240	609	Q
Heating Equipment (more than one may apply)								
Heat Pumps	8,923	251	449	1,064	1,129	1,651	2,583	1,796
Furnaces	14,449	1,214	1,552	2,082	2,053	2,235	2,927	2,387
Individual Space Heaters	17,349	1,042	1,772	2,551	2,496	3,345	3,428	2,715
District Heat	5,534	480	764	1,065	1,351	769	606	499
Boilers	19,522	1,397	2,264	2,762	4,231	3,275	3,114	2,479
Packaged Heating Units	25,743	428	1,476	2,917	3,961	4,899	6,379	5,684
Other	4,073	Q	Q	563	560	684	1,012	786

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		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999
Cooling Equipment (more than one may apply)								
Residential-Type Central								
Air Conditioners	8,329	677	657	1,239	957	1,621	1,904	1,274
Heat Pumps	9,147	284	551	984	1,119	1,793	2,711	1,705
Individual Air Conditioners	14,276	1,206	2,074	2,833	2,296	2,237	2,155	1,476
District Chilled Water	2,750	Q	134	406	633	492	424	407
Central Chillers	12,909	254	984	1,329	2,765	2,766	2,584	2,229
Packaged Air Conditioning								
Units	36,527	1,244	2,367	4,427	5,686	7,001	8,978	6,825
Swamp Coolers	2,219	Q	Q	261	527	499	345	339
Other	1,312	Q	Q	Q	Q	316	348	Q
Main Equipment Replaced Since 1995 (more than one may apply)								
Heating	13,220	756	1,212	2,191	2,164	3,100	3,002	794
Cooling	17,390	1,003	1,602	2,735	3,161	4,254	3,692	943
Lighting Equipment Types (more than one may apply)								
Incandescent	38,156	2,533	3,909	4,951	6,268	7,089	8,028	5,377
Standard Fluorescent	60,344	3,246	5,417	8,031	9,939	11,099	12,619	9,993
Compact Fluorescent	20,666	1,040	1,423	2,019	3,445	3,824	4,755	4,160
High Intensity Discharge	19,223	682	1,530	1,981	2,986	3,413	4,166	4,464
Halogen	17,926	871	921	1,861	2,916	3,511	4,272	3,574
Other	1,004	Q	Q	Q	Q	Q	Q	392
Personal Computers								
None	9,583	1,097	1,546	1,772	1,191	1,404	1,476	1,098
1 to 4	13,853	1,281	1,840	2,174	2,357	2,592	2,040	1,569
5 to 9	6,528	264	334	936	837	1,523	1,443	1,191
10 to 19	7,514	484	306	826	1,279	1,112	1,860	1,647
20 to 49	8,087	258	622	1,223	1,021	1,149	2,014	1,801
50 to 99	5,867	Q	549	640	1,012	890	1,341	1,276
100 to 249	6,818	245	405	566	1,480	1,260	1,616	1,245
250 or More	9,088	Q	843	990	1,690	1,910	2,142	1,267
Photocopiers								
None	21,631	1,907	2,625	3,747	3,396	3,578	3,689	2,690
One	12,928	918	1,349	1,660	2,163	2,240	2,240	2,358
2 to 4	15,620	741	1,116	2,176	2,389	2,707	3,571	2,921
5 to 9	5,384	Q	Q	319	1,119	921	1,350	1,373
10 or More	11,774	362	1,159	1,225	1,800	2,394	3,081	1,752
Other Electronic Equipment (more than one may apply)								
Laser Printers	46,567	2,181	3,288	5,675	7,867	8,341	10,449	8,765
FAX Machines	54,764	2,786	4,442	6,835	8,827	10,029	11,961	9,883
Medical Diagnostic Equipment	2,493	Q	Q	296	439	786	507	388
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	23,328	956	2,138	3,051	4,028	4,209	4,827	4,120
Activities with Large Amounts of Hot Water	21,793	802	1,858	2,614	4,123	4,123	4,530	3,743
Building Shell Conservation Features (more than one may apply)								
Multipaned Windows	38,193	2,294	3,049	4,225	5,155	6,395	9,060	8,016
Tinted, Reflective, or Shading Glass	29,915	931	1,467	2,854	4,322	6,087	7,919	6,335

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	All Buildings	Year Constructed						
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999
HVAC Conservation Features								
(more than one may apply)								
Variable Air-Volume System	19,387	540	960	1,593	3,238	3,718	4,666	4,672
Economizer Cycle	21,256	628	1,103	1,811	3,718	4,380	5,053	4,563
HVAC Maintenance	53,395	2,669	4,242	6,658	8,749	9,669	11,743	9,665
Energy Management and Control System (EMCS)	21,613	509	1,566	2,243	4,020	3,791	4,409	5,074
Lighting Conservation Features								
(more than one may apply)								
Specular Reflectors	19,994	728	1,380	2,339	2,825	3,887	4,724	4,111
Electronic Ballasts	42,035	1,828	3,472	5,236	6,649	8,174	8,862	7,815
Skylights or Atriums	18,286	803	1,211	1,744	2,549	3,062	5,254	3,664

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

N=No responding cases in sample.

Note: Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1999 Commercial Buildings Energy Consumption Survey.