

**Table B13. Occupancy of Nongovernment-Owned and Government Owned Buildings, Floorspace, 1999**

	Total Floorspace (million square feet)								
	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings			
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local
<b>All Buildings</b> .....	67,338	54,994	37,785	15,596	1,613	12,343	1,797	3,391	7,156
<b>Building Floorspace (Square Feet)</b>									
1,001 to 5,000 .....	6,774	6,189	4,040	1,686	463	585	Q	Q	467
5,001 to 10,000 .....	8,238	7,466	5,179	1,827	Q	772	Q	Q	509
10,001 to 25,000 .....	11,153	9,655	6,736	2,656	264	1,498	177	233	1,088
25,001 to 50,000 .....	9,311	7,264	4,577	2,496	Q	2,047	Q	732	1,200
50,001 to 100,000 .....	10,112	7,571	4,723	2,775	Q	2,541	Q	732	1,487
100,001 to 200,000 .....	8,271	6,509	4,097	2,374	Q	1,762	256	442	1,064
200,001 to 500,000 .....	6,851	5,229	3,924	1,190	Q	1,622	Q	610	902
Over 500,000 .....	6,628	5,112	4,509	592	Q	1,516	641	Q	Q
<b>Principal Building Activity</b>									
Education .....	8,651	3,207	2,833	373	N	5,444	Q	1,712	3,655
Food Sales .....	994	990	705	284	N	Q	N	N	Q
Food Service .....	1,851	1,763	1,362	401	N	Q	Q	Q	Q
Health Care .....	2,918	2,468	2,087	380	N	450	Q	Q	243
Inpatient .....	1,865	1,489	1,423	Q	N	376	Q	Q	Q
Outpatient .....	1,053	979	664	315	N	Q	Q	Q	Q
Lodging .....	4,521	4,100	3,614	486	N	421	Q	219	Q
Mercantile .....	10,398	10,380	5,308	5,031	Q	Q	N	Q	Q
Retail (Other Than Mall) .....	4,766	4,757	2,729	1,986	Q	Q	N	N	Q
Enclosed and Strip Malls .....	5,631	5,624	2,579	3,045	N	Q	N	Q	N
Office .....	12,044	10,482	7,435	3,047	N	1,562	600	380	582
Public Assembly .....	4,393	2,775	2,321	411	Q	1,618	Q	461	980
Public Order and Safety .....	1,168	Q	Q	Q	N	1,013	Q	226	779
Religious Worship .....	3,405	3,405	3,349	Q	N	N	N	N	N
Service .....	3,388	2,532	1,710	822	N	856	297	Q	384
Warehouse and Storage .....	10,477	9,901	5,821	3,693	Q	576	Q	Q	Q
Other .....	1,222	1,082	773	310	N	139	Q	Q	Q
Vacant .....	1,908	1,754	Q	Q	1,143	Q	Q	Q	Q
<b>Year Constructed</b>									
1919 or Before .....	4,034	3,456	2,479	728	Q	579	Q	Q	293
1920 to 1945 .....	6,445	4,812	3,575	1,081	Q	1,633	Q	447	993
1946 to 1959 .....	9,127	7,053	4,879	1,737	437	2,074	532	632	910
1960 to 1969 .....	10,866	8,122	5,495	2,419	Q	2,745	364	742	1,639
1970 to 1979 .....	11,840	9,907	6,795	2,960	Q	1,933	Q	599	1,174
1980 to 1989 .....	13,931	12,507	8,364	3,855	Q	1,424	Q	315	990
1990 to 1999 .....	11,094	9,138	6,198	2,817	Q	1,956	243	554	1,158
<b>Floors</b>									
One .....	26,800	22,775	12,499	9,308	969	4,025	376	995	2,654
Two .....	16,985	14,366	10,848	3,256	262	2,619	235	538	1,846
Three .....	8,928	6,902	5,387	1,274	Q	2,026	207	665	1,154
Four to Nine .....	10,180	7,201	5,979	1,134	Q	2,979	640	1,039	1,300
Ten or More .....	4,445	3,750	3,073	623	Q	695	339	153	Q
<b>Census Region</b>									
Northeast .....	12,360	9,542	7,143	2,286	Q	2,818	394	683	1,741
Midwest .....	16,761	13,896	9,990	3,427	479	2,865	318	961	1,586
South .....	23,485	19,745	13,228	5,881	636	3,740	549	919	2,273
West .....	14,731	11,810	7,424	4,001	385	2,921	537	828	1,556

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<b>Workers (main shift)</b>									
Fewer than 5 .....	14,321	12,950	8,848	2,488	1,613	1,371	Q	263	946
5 to 9 .....	6,325	5,432	3,765	1,667	N	893	Q	257	508
10 to 19 .....	8,028	6,947	5,172	1,774	N	1,081	Q	300	683
20 to 49 .....	10,814	8,480	5,390	3,090	N	2,334	288	573	1,473
50 to 99 .....	8,898	6,431	3,470	2,961	N	2,467	Q	739	1,638
100 to 249 .....	8,356	6,358	4,375	1,983	N	1,998	246	701	1,051
250 or More .....	10,595	8,398	6,766	1,632	N	2,198	783	556	858
<b>Weekly Operating Hours</b>									
39 or Fewer .....	6,596	5,563	3,438	512	1,613	1,033	Q	Q	849
40 to 48 .....	13,105	9,889	6,718	3,171	N	3,216	302	863	2,050
49 to 60 .....	14,200	11,920	8,103	3,818	N	2,280	372	671	1,236
61 to 84 .....	12,458	10,671	7,204	3,467	N	1,786	210	538	1,039
85 to 167 .....	9,116	7,381	4,533	2,849	N	1,734	Q	435	1,128
Open Continuously .....	11,863	9,569	7,789	1,780	N	2,294	631	808	855
<b>Vacancy Status</b>									
Completely Vacant .....	953	922	N	N	922	Q	N	N	Q
Mostly Vacant .....	956	832	Q	Q	221	Q	Q	Q	Q
Partially Vacant .....	15,520	13,410	8,450	4,490	Q	2,111	277	730	1,103
Not At All Vacant .....	49,910	39,831	29,012	10,819	N	10,078	1,444	2,652	5,983
<b>Number of Establishments</b>									
One .....	43,343	33,290	25,947	7,343	N	10,053	1,373	2,818	5,862
2 to 5 .....	10,582	9,077	5,371	3,706	N	1,505	332	307	865
6 to 10 .....	3,574	3,369	1,699	1,670	N	205	Q	Q	Q
11 to 20 .....	3,260	3,097	1,336	1,761	N	Q	Q	Q	Q
More than 20 .....	4,811	4,549	3,433	1,116	N	Q	Q	Q	Q
Currently Unoccupied .....	1,769	1,613	N	N	1,613	Q	Q	Q	Q
<b>Multibuilding Facility Activity</b>									
Not Part of a Multibuilding									
Facility .....	41,289	35,892	24,040	10,524	1,328	5,396	417	1,140	3,839
College or University .....	2,605	1,653	1,562	Q	Q	952	Q	835	Q
Primary or Secondary School .....	3,388	1,091	1,042	Q	Q	2,296	Q	650	1,637
Office Complex .....	3,353	3,014	2,035	958	Q	338	Q	Q	Q
Retail Complex .....	3,555	3,456	1,547	1,889	Q	Q	N	Q	Q
Religious Campus or Complex .....	1,907	1,907	1,817	Q	N	N	N	N	N
Health Care Complex .....	2,339	1,736	1,571	Q	Q	604	230	Q	235
Government Complex .....	1,513	Q	Q	Q	N	1,498	728	Q	630
Other .....	7,389	6,230	4,166	1,855	Q	1,160	220	424	515
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	65,716	53,640	37,506	15,441	693	12,076	1,711	3,382	6,983
Natural Gas .....	45,525	37,026	25,597	10,968	461	8,500	997	2,253	5,250
Fuel Oil .....	13,285	9,893	8,284	1,605	Q	3,392	748	822	1,823
District Heat .....	5,891	3,333	2,907	426	N	2,559	827	1,187	546
District Chilled Water .....	2,750	1,560	1,325	Q	N	1,190	368	407	415
Propane .....	6,290	5,305	4,051	1,244	Q	985	Q	286	629
Other .....	2,322	1,864	1,486	358	Q	458	Q	Q	Q

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<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	61,602	49,916	35,287	14,279	349	11,687	1,715	3,318	6,653
Buildings with Cooling .....	58,474	47,858	33,473	14,013	Q	10,616	1,525	2,962	6,129
Buildings with Water Heating .....	56,115	45,444	31,903	13,158	383	10,670	1,477	3,111	6,082
Buildings with Cooking .....	24,681	18,531	14,039	4,458	Q	6,150	838	1,535	3,778
Buildings with Manufacturing .....	3,126	2,708	1,619	1,089	N	Q	Q	Q	Q
Buildings with Electricity Generation .....	11,882	8,847	7,264	1,558	Q	3,035	758	907	1,370
<b>Percent of Floorspace Heated</b>									
Not Heated .....	5,736	5,079	2,498	1,317	1,264	657	Q	Q	504
1 to 50 .....	7,593	7,105	4,711	2,314	Q	488	Q	Q	298
51 to 99 .....	10,745	9,043	6,527	2,504	Q	1,702	317	584	802
100 .....	43,264	33,768	24,049	9,461	Q	9,496	1,315	2,628	5,553
<b>Percent of Floorspace Cooled</b>									
Not Cooled .....	8,864	7,137	4,313	1,583	1,241	1,727	Q	428	1,027
1 to 50 .....	16,846	13,844	9,562	4,198	Q	3,002	Q	894	1,847
51 to 99 .....	16,966	13,579	9,718	3,828	Q	3,387	514	1,056	1,816
100 .....	24,662	20,435	14,193	5,986	Q	4,227	749	1,012	2,466
<b>Percent Lit When Open</b>									
Zero .....	173	173	Q	Q	N	N	N	N	N
1 to 50 .....	9,187	8,569	6,878	1,692	N	618	Q	Q	315
51 to 99 .....	20,665	16,036	11,478	4,558	N	4,629	454	1,441	2,734
100 .....	34,233	27,659	18,582	9,077	N	6,575	1,058	1,827	3,689
Building Never Open/ Electricity Not Used .....	3,080	2,558	708	237	1,613	522	Q	Q	Q
<b>Heating Equipment (more than one may apply)</b>									
Heat Pumps .....	8,923	7,187	5,195	1,974	Q	1,736	Q	435	1,125
Furnaces .....	14,449	13,202	9,424	3,681	Q	1,247	Q	244	844
Individual Space Heaters .....	17,349	14,235	10,218	3,933	Q	3,114	674	787	1,653
District Heat .....	5,534	3,072	2,695	377	N	2,462	827	1,102	534
Boilers .....	19,522	13,132	11,042	2,041	Q	6,390	588	1,561	4,242
Packaged Heating Units .....	25,743	22,108	13,998	7,945	Q	3,635	249	1,108	2,279
Other .....	4,073	3,607	2,828	735	Q	466	Q	202	Q
<b>Cooling Equipment (more than one may apply)</b>									
Residential-Type Central									
Air Conditioners .....	8,329	7,313	5,683	1,623	Q	1,016	Q	173	684
Heat Pumps .....	9,147	7,445	5,284	2,143	Q	1,702	Q	354	1,194
Individual Air Conditioners .....	14,276	10,593	8,343	2,046	Q	3,683	623	646	2,414
District Chilled Water .....	2,750	1,560	1,325	Q	N	1,190	368	407	415
Central Chillers .....	12,909	8,984	7,474	1,482	Q	3,926	804	1,260	1,861
Packaged Air Conditioning									
Units .....	36,527	30,779	20,641	9,842	Q	5,748	728	1,508	3,511
Swamp Coolers .....	2,219	1,610	945	665	N	609	Q	Q	Q
Other .....	1,312	1,145	989	156	N	167	Q	Q	Q
<b>Main Equipment Replaced Since 1995 (more than one may apply)</b>									
Heating .....	13,220	11,270	7,591	3,617	Q	1,950	Q	389	1,483
Cooling .....	17,390	14,186	9,617	4,491	Q	3,204	387	922	1,895

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<b>Lighting Equipment Types (more than one may apply)</b>									
Incandescent .....	38,156	31,544	23,612	7,849	Q	6,612	937	1,837	3,838
Standard Fluorescent .....	60,344	48,959	34,331	14,462	Q	11,385	1,653	3,186	6,547
Compact Fluorescent .....	20,666	16,731	13,325	3,377	Q	3,935	679	1,203	2,054
High Intensity Discharge .....	19,223	13,702	10,325	3,376	N	5,521	685	1,631	3,206
Halogen .....	17,926	15,034	11,336	3,668	Q	2,892	411	899	1,582
Other .....	1,004	823	665	Q	N	Q	Q	Q	Q
<b>Personal Computers</b>									
None .....	9,583	8,678	5,680	1,643	1,354	906	Q	Q	683
1 to 4 .....	13,853	12,564	8,657	3,851	Q	1,288	Q	368	793
5 to 9 .....	6,528	5,864	3,670	2,168	Q	664	Q	Q	415
10 to 19 .....	7,514	6,527	4,232	2,118	Q	987	Q	333	607
20 to 49 .....	8,087	6,394	4,173	2,221	N	1,693	Q	389	1,063
50 to 99 .....	5,867	4,208	2,566	1,642	N	1,659	Q	531	1,058
100 to 249 .....	6,818	4,346	3,342	1,004	N	2,472	211	780	1,481
250 or More .....	9,088	6,414	5,467	947	N	2,674	838	780	1,056
<b>Photocopiers</b>									
None .....	21,631	18,933	11,799	5,592	1,541	2,698	302	655	1,742
One .....	12,928	11,141	8,151	2,926	Q	1,787	Q	524	1,077
2 to 4 .....	15,620	11,904	8,583	3,314	Q	3,716	362	948	2,406
5 to 9 .....	5,384	3,812	2,341	1,471	N	1,572	Q	455	971
10 or More .....	11,774	9,204	6,912	2,292	N	2,570	802	808	960
<b>Other Electronic Equipment (more than one may apply)</b>									
Laser Printers .....	46,567	36,966	26,002	10,870	Q	9,601	1,588	2,708	5,305
FAX Machines .....	54,764	44,675	30,954	13,591	Q	10,088	1,578	2,706	5,805
Medical Diagnostic Equipment .....	2,493	2,099	1,845	254	N	394	Q	Q	215
<b>Energy-Related Space Functions (more than one may apply)</b>									
Commercial Food Preparation .....	23,328	17,300	13,104	4,179	Q	6,028	808	1,512	3,708
Activities with Large Amounts of Hot Water .....	21,793	16,229	12,862	3,350	Q	5,564	644	1,693	3,227
<b>Building Shell Conservation Features (more than one may apply)</b>									
Multipaned Windows .....	38,193	31,154	23,284	7,556	314	7,039	987	1,979	4,073
Tinted, Reflective, or Shading Glass .....	29,915	24,218	17,092	6,985	Q	5,698	860	1,547	3,291
<b>HVAC Conservation Features (more than one may apply)</b>									
Variable Air-Volume System .....	19,387	14,961	11,395	3,560	Q	4,425	759	1,422	2,244
Economizer Cycle .....	21,256	15,806	11,650	4,140	Q	5,450	1,153	1,738	2,559
HVAC Maintenance .....	53,395	42,540	30,270	12,105	Q	10,855	1,636	3,135	6,084
Energy Management and Control System (EMCS) .....	21,613	15,140	11,878	3,252	Q	6,473	1,201	2,060	3,211
<b>Lighting Conservation Features (more than one may apply)</b>									
Specular Reflectors .....	19,994	15,640	11,384	4,247	Q	4,354	805	1,091	2,458
Electronic Ballasts .....	42,035	33,247	23,537	9,680	Q	8,789	1,332	2,501	4,957
Skylights or Atriums .....	18,286	14,429	10,683	3,537	Q	3,857	512	1,254	2,091

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<b>Off-Hour Equipment Reduction (more than one may apply)</b>									
Heating .....	39,969	31,903	22,534	9,112	258	8,066	978	2,012	5,076
Cooling .....	39,161	31,707	21,722	9,679	Q	7,454	871	1,825	4,758
Lighting .....	51,083	41,690	28,512	13,178	N	9,394	1,069	2,521	5,804
Office Equipment .....	9,063	5,637	4,010	1,627	N	3,426	Q	963	2,339

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.