

Table B18. Energy Sources, Floorspace, 1999

	Total Floorspace (million square feet)								
	All Buildings	All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)						
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other ^a
All Buildings	67,338	65,753	65,716	45,525	13,285	5,891	2,750	6,290	2,322
Building Floorspace (Square Feet)									
1,001 to 5,000	6,774	6,309	6,280	3,566	620	Q	Q	635	292
5,001 to 10,000	8,238	7,721	7,721	5,088	583	Q	Q	986	Q
10,001 to 25,000	11,153	10,851	10,843	7,001	983	414	Q	1,203	290
25,001 to 50,000	9,311	9,175	9,175	6,405	983	660	294	568	250
50,001 to 100,000	10,112	10,034	10,034	7,165	1,612	933	525	865	350
100,001 to 200,000	8,271	8,246	8,246	5,915	1,875	903	630	854	Q
200,001 to 500,000	6,851	6,790	6,790	5,282	2,984	1,003	470	616	Q
Over 500,000	6,628	6,628	6,628	5,104	3,645	1,707	630	562	Q
Principal Building Activity									
Education	8,651	8,651	8,651	6,570	1,635	1,159	676	757	325
Food Sales	994	993	993	659	Q	Q	N	Q	Q
Food Service	1,851	1,851	1,851	1,510	Q	Q	Q	298	Q
Health Care	2,918	2,918	2,918	2,285	1,754	744	433	Q	Q
Inpatient	1,865	1,865	1,865	1,677	1,605	649	356	Q	Q
Outpatient	1,053	1,053	1,053	609	Q	Q	Q	Q	Q
Lodging	4,521	4,521	4,521	3,548	789	629	219	587	Q
Mercantile	10,398	10,398	10,398	7,887	1,411	Q	Q	863	365
Retail (Other Than Mall)	4,766	4,766	4,766	3,518	553	Q	Q	276	Q
Enclosed and Strip Malls	5,631	5,631	5,631	4,369	858	N	Q	587	Q
Office	12,044	12,043	12,043	7,356	3,913	1,536	678	370	192
Public Assembly	4,393	4,340	4,340	2,989	850	848	436	469	Q
Public Order and Safety	1,168	1,030	1,030	627	398	297	Q	Q	Q
Religious Worship	3,405	3,405	3,405	2,457	187	Q	Q	714	Q
Service	3,388	3,358	3,358	2,093	641	Q	Q	272	Q
Warehouse and Storage	10,477	9,879	9,879	6,211	1,102	Q	Q	1,338	Q
Other	1,222	1,217	1,217	707	205	Q	Q	Q	Q
Vacant	1,908	1,149	1,112	626	Q	Q	N	Q	Q
Year Constructed									
1919 or Before	4,034	3,722	3,714	2,766	745	486	Q	Q	Q
1920 to 1945	6,445	6,281	6,281	4,257	1,060	764	134	473	Q
1946 to 1959	9,127	8,822	8,794	6,040	1,782	1,088	406	748	433
1960 to 1969	10,866	10,686	10,686	7,512	2,349	1,406	633	1,220	353
1970 to 1979	11,840	11,750	11,750	8,080	2,446	788	492	1,033	352
1980 to 1989	13,931	13,485	13,485	8,794	2,795	682	424	1,333	499
1990 to 1999	11,094	11,007	11,007	8,076	2,108	677	407	1,295	353
Census Region									
Northeast	12,360	11,972	11,964	7,305	5,414	1,898	326	1,706	580
Midwest	16,761	16,389	16,389	13,506	2,423	1,521	746	1,405	606
South	23,485	23,076	23,076	14,199	3,749	1,265	939	2,389	579
West	14,731	14,315	14,287	10,515	1,699	1,207	739	790	557
Climate Zone: 45-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	5,890	5,750	5,750	4,064	1,612	250	Q	1,166	Q
5,500-7,000 HDD	17,083	16,706	16,706	12,573	3,773	1,743	763	1,343	691
4,000-5,499 HDD	16,243	15,800	15,792	10,455	4,531	2,443	653	1,619	602
Fewer than 4,000 HDD	16,333	15,951	15,922	12,149	1,903	875	683	1,040	442
2,000 CDD or More and --									
Fewer than 4,000 HDD	11,788	11,546	11,546	6,285	1,466	581	589	1,122	383

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Workers (main shift)									
Fewer than 5	14,321	12,788	12,750	7,108	964	390	Q	1,451	345
5 to 9	6,325	6,274	6,274	4,633	796	304	Q	646	Q
10 to 19	8,028	8,028	8,028	5,589	676	475	Q	688	Q
20 to 49	10,814	10,814	10,814	7,737	1,294	544	162	1,189	317
50 to 99	8,898	8,898	8,898	6,278	1,593	696	478	839	364
100 to 249	8,356	8,356	8,356	6,146	2,482	1,052	484	787	417
250 or More	10,595	10,595	10,595	8,035	5,480	2,431	1,234	691	527
Weekly Operating Hours									
39 or Fewer	6,596	5,351	5,314	2,825	504	Q	Q	944	Q
40 to 48	13,105	13,070	13,070	8,197	1,540	796	239	1,026	285
49 to 60	14,200	14,186	14,186	9,714	2,638	945	589	1,068	570
61 to 84	12,458	12,381	12,381	9,007	2,500	943	504	980	440
85 to 167	9,116	8,930	8,930	6,449	1,532	915	505	1,085	324
Open Continuously	11,863	11,835	11,835	9,334	4,571	2,254	893	1,187	582
Ownership and Occupancy									
Nongovernment Owned	54,994	53,668	53,640	37,026	9,893	3,333	1,560	5,305	1,864
Owner Occupied	37,785	37,506	37,506	25,597	8,284	2,907	1,325	4,051	1,486
Nonowner Occupied	15,596	15,441	15,441	10,968	1,605	426	Q	1,244	358
Unoccupied	1,613	721	693	461	Q	N	N	Q	Q
Government Owned	12,343	12,085	12,076	8,500	3,392	2,559	1,190	985	458
Vacancy Status									
Completely Vacant	953	385	356	Q	N	N	N	Q	N
Mostly Vacant	956	765	756	367	Q	Q	N	Q	Q
Partially Vacant	15,520	15,093	15,093	10,725	3,528	1,311	521	1,051	378
Not At All Vacant	49,910	49,511	49,511	34,174	9,639	4,570	2,229	5,213	1,891
Energy Sources (more than one may apply)									
Electricity	65,716	65,716	65,716	45,496	13,277	5,891	2,750	6,290	2,322
Natural Gas	45,525	45,525	45,496	45,525	8,088	2,683	1,316	1,887	1,572
Fuel Oil	13,285	13,285	13,277	8,088	13,285	1,839	749	2,296	554
District Heat	5,891	5,891	5,891	2,683	1,839	5,891	2,354	Q	Q
District Chilled Water	2,750	2,750	2,750	1,316	749	2,354	2,750	Q	Q
Propane	6,290	6,290	6,290	1,887	2,296	Q	Q	6,290	438
Other	2,322	2,322	2,322	1,572	554	Q	Q	438	2,322
Energy End Uses (more than one may apply)									
Buildings with Space Heating	61,602	61,602	61,565	44,385	13,074	5,862	2,739	6,076	2,276
Buildings with Cooling	58,474	58,474	58,474	42,147	12,185	5,165	2,750	5,415	2,069
Buildings with Water Heating	56,115	56,115	56,115	41,366	11,852	5,301	2,455	5,409	1,887
Buildings with Cooking	24,681	24,681	24,681	19,857	7,840	2,487	1,047	3,005	1,331
Buildings with Manufacturing	3,126	3,126	3,126	2,322	555	Q	Q	403	Q
Buildings with Electricity Generation	11,882	11,882	11,882	9,119	8,749	2,083	919	1,486	1,132
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	23,328	23,328	23,328	18,916	7,576	2,416	1,027	2,712	1,331
Activities with Large Amounts of Hot Water	21,793	21,793	21,793	17,601	6,856	2,735	1,158	2,643	1,165

^a "Other" includes wood, coal, solar, and all other energy sources.

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.