

**Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1999**

	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
<b>All Buildings</b> .....	4,657	67,338	81,852	5.0	909	50	30.5
<b>Building Floorspace (Square Feet)</b>							
1,001 to 5,000 .....	2,348	6,774	11,125	2.5	667	50	30.5
5,001 to 10,000 .....	1,110	8,238	10,968	7.0	1,000	50	34.5
10,001 to 25,000 .....	708	11,153	11,378	15.0	1,354	55	28.5
25,001 to 50,000 .....	257	9,311	9,243	35.0	1,500	60	29.5
50,001 to 100,000 .....	145	10,112	12,777	65.0	1,214	60	24.5
100,001 to 200,000 .....	59	8,271	8,856	130.0	1,400	75	22.5
200,001 to 500,000 .....	23	6,851	8,798	275.0	1,500	80	27.5
Over 500,000 .....	7	6,628	8,707	800.0	1,286	90	24.5
<b>Principal Building Activity</b>							
Education .....	327	8,651	8,927	8.0	1,000	45	35.5
Food Sales .....	174	994	980	2.5	833	112	19.5
Food Service .....	349	1,851	4,031	3.8	500	80	27.5
Health Care .....	127	2,918	6,219	5.0	501	50	23.5
Inpatient .....	11	1,865	3,350	65.0	563	168	36.5
Outpatient .....	116	1,053	2,869	4.5	501	45	22.5
Lodging .....	153	4,521	2,356	10.0	2,031	168	28.5
Mercantile .....	667	10,398	11,384	6.0	1,125	54	36.5
Retail (Other Than Mall) .....	534	4,766	4,668	4.0	1,250	53	40.5
Enclosed and Strip Malls .....	133	5,631	6,716	13.8	650	73	24.5
Office .....	739	12,044	28,969	4.5	500	45	24.5
Public Assembly .....	305	4,393	3,147	6.5	2,500	50	32.5
Public Order and Safety .....	72	1,168	1,702	10.0	425	20	24.5
Religious Worship .....	307	3,405	1,654	8.0	3,000	20	38.5
Service .....	478	3,388	4,554	4.3	1,111	50	31.5
Warehouse and Storage .....	603	10,477	6,216	6.0	1,417	48	24.5
Other .....	102	1,222	1,453	5.0	769	48	30.5
Vacant .....	253	1,908	261	4.5	1,583	70	49.5
<b>Year Constructed</b>							
1919 or Before .....	419	4,034	3,911	4.5	1,250	48	99.5
1920 to 1945 .....	499	6,445	5,925	4.8	1,161	50	67.5
1946 to 1959 .....	763	9,127	9,832	5.5	944	48	46.5
1960 to 1969 .....	665	10,866	12,886	5.0	758	55	35.5
1970 to 1979 .....	774	11,840	15,842	5.0	875	51	24.5
1980 to 1989 .....	846	13,931	19,828	5.5	833	50	14.5
1990 to 1999 .....	690	11,094	13,628	4.8	708	50	6.5
<b>Floors</b>							
One .....	2,879	26,800	29,908	4.0	833	50	25.5
Two .....	1,168	16,985	18,749	6.0	1,000	54	35.5
Three .....	420	8,928	9,545	9.5	1,250	53	59.5
Four to Nine .....	178	10,180	15,069	17.5	1,000	60	63.5
Ten or More .....	11	4,445	8,582	225.0	563	70	30.5
<b>Census Region and Division</b>							
Northeast .....	686	12,360	14,407	6.0	813	54	39.5
New England .....	208	3,735	3,889	5.5	750	54	35.5
Middle Atlantic .....	479	8,625	10,518	6.5	833	53	40.5
Midwest .....	1,188	16,761	18,279	5.0	1,125	50	37.5
East North Central .....	782	11,205	11,668	5.5	1,125	50	43.5
West North Central .....	406	5,556	6,611	4.5	1,125	49	29.5
South .....	1,762	23,485	29,186	5.0	875	50	24.5
South Atlantic .....	748	11,001	14,051	5.5	700	50	24.5
East South Central .....	396	5,220	5,908	6.5	813	55	24.5
West South Central .....	618	7,264	9,226	4.0	1,167	50	23.5
West .....	1,021	14,731	19,981	5.0	750	50	29.5
Mountain .....	315	4,579	5,201	5.0	950	50	33.5
Pacific .....	705	10,152	14,780	5.0	735	50	29.5

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<b>Climate Zone: 45-Year Average</b>							
Under 2,000 CDD and --							
More than 7,000 HDD .....	525	5,890	5,857	4.3	900	50	34.5
5,500-7,000 HDD .....	986	17,083	18,323	5.5	1,000	50	39.5
4,000-5,499 HDD .....	1,085	16,243	22,136	5.5	944	50	32.5
Fewer than 4,000 HDD .....	1,134	16,333	21,145	5.0	750	50	27.5
2,000 CDD or More and --							
Fewer than 4,000 HDD .....	926	11,788	14,393	5.0	1,125	50	27.5
<b>Workers (main shift)</b>							
Fewer than 5 .....	2,376	14,321	4,240	3.5	1,625	49	35.5
5 to 9 .....	807	6,325	5,313	4.5	667	50	28.5
10 to 19 .....	683	8,028	8,588	6.5	550	51	27.5
20 to 49 .....	487	10,814	14,098	12.5	469	58	24.5
50 to 99 .....	174	8,898	11,427	35.0	542	65	25.5
100 to 249 .....	90	8,356	12,617	65.0	433	56	26.5
250 or More .....	39	10,595	25,569	150.0	333	72	21.5
<b>Weekly Operating Hours</b>							
39 or Fewer .....	978	6,596	3,517	4.0	1,500	38	38.5
40 to 48 .....	1,156	13,105	15,619	5.5	875	45	34.5
49 to 60 .....	986	14,200	20,714	5.5	800	50	29.5
61 to 84 .....	664	12,458	16,147	6.0	833	65	30.5
85 to 167 .....	474	9,116	10,796	5.0	792	98	21.5
Open Continuously .....	398	11,863	15,060	6.0	1,023	168	27.5
<b>Ownership and Occupancy</b>							
Nongovernment Owned .....	4,135	54,994	67,787	5.0	917	50	30.5
Owner Occupied .....	2,801	37,785	46,555	5.0	938	50	29.5
Nonowner Occupied .....	1,099	15,596	21,233	5.0	889	50	30.5
Unoccupied .....	236	1,613	0	3.8	0	70	35.5
Government Owned .....	521	12,343	14,065	6.5	750	45	31.5
<b>Vacancy Status</b>							
Completely Vacant .....	140	953	0	4.0	0	76	47.5
Mostly Vacant .....	113	956	261	4.8	1,583	40	54.5
Partially Vacant .....	697	15,520	20,518	6.0	1,053	50	25.5
Not At All Vacant .....	3,707	49,910	61,073	5.0	857	50	29.5
<b>Number of Establishments</b>							
One .....	3,528	43,343	48,677	5.0	1,000	50	30.5
2 to 5 .....	688	10,582	12,379	6.5	694	50	28.5
6 to 10 .....	114	3,574	6,580	15.0	600	64	19.5
11 to 20 .....	48	3,260	5,965	35.0	476	60	21.5
More than 20 .....	27	4,811	8,251	60.0	650	60	29.5
Currently Unoccupied .....	251	1,769	0	3.8	0	67	39.5
<b>Energy Sources (more than one may apply)</b>							
Electricity .....	4,395	65,716	81,768	5.0	889	50	29.5
Natural Gas .....	2,670	45,525	56,264	6.0	917	50	34.5
Fuel Oil .....	434	13,285	19,583	5.0	926	52	39.5
District Heat .....	117	5,891	8,654	15.0	1,375	80	35.5
District Chilled Water .....	50	2,750	4,637	18.7	1,375	84	27.5
Propane .....	451	6,290	6,349	6.0	1,000	55	26.5
Wood .....	79	570	578	4.5	1,500	60	29.5
Coal .....	Q	Q	Q	4.5	2,250	45	35.5
Solar .....	Q	Q	Q	6.0	385	53	23.5
Other .....	69	1,563	2,578	5.0	1,250	50	24.5

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<b>Space-Heating Energy Sources (more than one may apply)</b>							
Electricity .....	1,880	32,291	43,236	5.0	750	50	25.5
Natural Gas .....	2,380	37,902	45,992	6.0	917	50	34.5
Fuel Oil .....	377	5,611	6,542	4.3	944	50	43.5
District Heat .....	96	5,534	8,116	18.7	1,500	70	40.5
Propane .....	307	2,728	2,428	5.0	1,333	49	21.5
Wood .....	66	377	338	3.8	1,500	60	28.5
Coal .....	Q	Q	Q	4.5	2,250	45	35.5
Solar .....	Q	Q	Q	42.5	390	45	31.5
Other .....	26	409	760	5.0	1,146	44	24.5
<b>Primary Space-Heating Energy Source</b>							
Electricity .....	1,128	17,627	25,423	5.0	677	50	21.5
Natural Gas .....	2,189	32,729	39,164	5.5	921	50	35.5
Fuel Oil .....	302	3,719	4,247	4.8	944	50	43.5
District Heat .....	77	5,077	7,008	25.0	1,900	90	42.5
Propane .....	282	2,107	1,907	5.0	1,250	48	20.5
Wood .....	Q	Q	Q	2.8	1,500	40	19.5
Coal .....	Q	Q	Q	37.5	938	40	40.5
Solar .....	N	N	N	N	N	N	N
Other .....	Q	Q	Q	12.5	1,250	44	24.5
<b>Cooling Energy Sources (more than one may apply)</b>							
Electricity .....	3,450	55,545	72,764	5.5	833	50	28.5
Natural Gas .....	142	1,914	2,846	8.0	769	60	25.5
District Chilled Water .....	50	2,750	4,637	18.7	1,375	84	27.5
<b>Water-Heating Energy Sources (more than one may apply)</b>							
Electricity .....	1,546	24,171	33,505	5.0	735	50	24.5
Natural Gas .....	1,520	29,196	35,930	7.0	938	60	32.5
Fuel Oil .....	110	2,218	2,905	4.8	531	75	43.5
District Heat .....	62	4,182	5,870	25.0	1,452	98	33.5
Propane .....	130	1,371	1,465	6.0	700	86	23.5
<b>Cooking Energy Sources (more than one may apply)</b>							
Electricity .....	437	13,733	18,369	6.5	833	84	24.5
Natural Gas .....	505	16,785	21,352	7.0	750	70	31.5
Propane .....	118	1,754	2,187	3.8	583	86	24.5
<b>Energy End Uses (more than one may apply)</b>							
Buildings with Space Heating .....	4,016	61,602	78,082	5.0	857	50	29.5
Buildings with Cooling .....	3,560	58,474	77,367	5.5	833	50	28.5
Buildings with Water Heating .....	3,239	56,115	73,385	6.0	813	54	29.5
Buildings with Cooking .....	857	24,681	31,603	6.5	803	75	28.5
Buildings with Manufacturing .....	151	3,126	4,351	8.0	1,111	45	29.5
Buildings with Electricity Generation .....	172	11,882	18,904	17.5	694	60	26.5
<b>Percent of Floorspace Heated</b>							
Not Heated .....	641	5,736	3,770	4.8	1,500	60	31.5
1 to 50 .....	576	7,593	5,239	6.5	1,500	50	29.5
51 to 99 .....	627	10,745	13,056	7.0	1,023	53	30.5
100 .....	2,813	43,264	59,787	5.0	750	50	29.5

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<b>Percent of Floorspace Cooled</b>							
Not Cooled .....	1,097	8,864	4,485	4.0	1,500	48	39.5
1 to 50 .....	1,012	16,846	14,146	7.5	1,143	50	36.5
51 to 99 .....	751	16,966	23,833	7.0	1,000	56	30.5
100 .....	1,796	24,662	39,388	4.5	650	50	23.5
<b>Percent Lit When Open</b>							
Zero .....	34	173	Q	2.0	500	91	16.5
1 to 50 .....	835	9,187	4,917	6.0	1,833	48	40.5
51 to 99 .....	1,228	20,665	28,668	6.5	780	50	31.5
100 .....	2,096	34,233	47,951	4.8	750	50	24.5
Building Never Open/ Electricity Not Used .....	464	3,080	261	4.0	1,250	50	39.5
<b>Percent Lit When Closed</b>							
Zero .....	2,174	20,771	21,669	4.8	1,000	45	31.5
1 to 50 .....	1,688	30,950	41,943	6.5	769	55	30.5
51 to 100 .....	143	2,160	3,096	4.5	833	68	23.5
Building Never Closed/ Electricity Not Used .....	652	13,457	15,143	5.0	1,063	168	30.5
<b>Heating Equipment (more than one may apply)</b>							
Heat Pumps .....	492	8,923	12,616	5.0	625	50	21.5
Furnaces .....	1,460	14,449	15,845	5.0	1,000	48	36.5
Individual Space Heaters .....	894	17,349	19,140	6.0	1,196	50	32.5
District Heat .....	96	5,534	8,116	18.7	1,500	70	40.5
Boilers .....	581	19,522	24,374	10.0	1,053	55	40.5
Packaged Heating Units .....	1,347	25,743	32,224	6.0	750	52	24.5
Other .....	185	4,073	7,008	4.5	1,000	52	28.5
<b>Cooling Equipment (more than one may apply)</b>							
Residential-Type Central							
Air Conditioners .....	676	8,329	10,136	5.5	1,125	50	28.5
Heat Pumps .....	485	9,147	13,463	5.0	648	50	23.5
Individual Air Conditioners .....	799	14,276	16,652	6.0	833	50	40.5
District Chilled Water .....	50	2,750	4,637	18.7	1,375	84	27.5
Central Chillers .....	130	12,909	21,586	40.0	938	56	27.5
Packaged Air Conditioning							
Units .....	1,953	36,527	48,283	6.0	750	53	26.5
Swamp Coolers .....	136	2,219	2,425	4.8	1,167	62	37.5
Other .....	49	1,312	1,838	7.0	1,250	55	21.5
<b>Main Equipment Replaced Since 1995 (more than one may apply)</b>							
Heating .....	984	13,220	16,913	5.5	800	50	33.5
Cooling .....	1,085	17,390	23,164	6.0	833	53	31.5
<b>Lighting Equipment Types (more than one may apply)</b>							
Incandescent .....	2,193	38,156	49,616	6.0	950	50	32.5
Standard Fluorescent .....	3,778	60,344	77,862	5.5	850	50	29.5
Compact Fluorescent .....	607	20,666	30,075	8.5	833	60	27.5
High Intensity Discharge .....	430	19,223	21,658	13.8	1,286	55	24.5
Halogen .....	572	17,926	25,668	8.0	813	56	27.5
Other .....	58	1,004	1,393	4.0	500	64	23.5
<b>Water Heating Equipment</b>							
Centralized System .....	2,472	35,579	45,136	5.5	857	54	30.5
Distributed System .....	566	10,899	14,348	6.0	667	50	26.5
Combination of Centralized and Distributed System .....	200	9,637	13,902	15.0	833	62	24.5

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<b>Personal Computers</b>							
None .....	1,617	9,583	4,785	3.8	1,500	50	35.5
1 to 4 .....	1,636	13,853	12,711	4.8	1,000	52	34.5
5 to 9 .....	542	6,528	7,485	5.0	571	50	23.5
10 to 19 .....	403	7,514	9,200	9.0	563	50	19.5
20 to 49 .....	247	8,087	9,668	16.2	600	50	28.5
50 to 99 .....	105	5,867	7,268	35.0	707	50	23.5
100 to 249 .....	71	6,818	9,574	65.0	606	60	25.5
250 or More .....	36	9,088	21,162	150.0	389	72	25.5
<b>Photocopiers</b>							
None .....	2,825	21,631	18,897	4.0	1,143	50	34.5
One .....	1,114	12,928	12,963	6.0	818	50	28.5
2 to 4 .....	540	15,620	16,785	12.5	650	50	25.5
5 to 9 .....	102	5,384	8,217	23.7	432	52	15.5
10 or More .....	75	11,774	24,991	75.0	429	60	21.5
<b>Other Electronic Equipment (more than one may apply)</b>							
Laser Printers .....	1,949	46,567	66,979	7.5	667	50	27.5
FAX Machines .....	2,807	54,764	74,706	6.0	750	50	27.5
Medical Diagnostic Equipment .....	86	2,493	5,625	5.0	500	48	22.5
<b>Energy-Related Space Functions (more than one may apply)</b>							
Commercial Food Preparation .....	767	23,328	30,350	6.5	750	77	28.5
Activities with Large Amounts of Hot Water .....	698	21,793	25,850	9.5	921	77	29.5
<b>Building Shell Conservation Features (more than one may apply)</b>							
Multipaned Windows .....	2,130	38,193	49,935	6.0	833	50	26.5
Tinted, Reflective, or Shading Glass .....	1,283	29,915	43,137	6.5	800	50	24.5
<b>HVAC Conservation Features (more than one may apply)</b>							
Variable Air-Volume System .....	550	19,387	30,546	9.0	804	61	22.5
Economizer Cycle .....	567	21,256	32,923	8.5	667	60	23.5
HVAC Maintenance .....	2,786	53,395	71,290	6.0	833	52	28.5
Energy Management and Control System (EMCS) .....	460	21,613	31,767	13.8	846	56	28.5
<b>Lighting Conservation Features (more than one may apply)</b>							
Specular Reflectors .....	843	19,994	28,787	6.0	750	54	26.5
Electronic Ballasts .....	2,167	42,035	55,879	6.0	857	54	28.5
Skylights or Atriums .....	580	18,286	21,158	8.5	833	50	23.5
<b>Off-Hour Equipment Reduction (more than one may apply)</b>							
Heating .....	2,862	39,969	50,855	5.5	833	49	30.5
Cooling .....	2,622	39,161	52,130	5.5	792	50	29.5
Lighting .....	3,675	51,083	65,064	5.0	875	50	29.5
Office Equipment .....	184	9,063	12,473	27.5	667	50	30.5

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.