

**Table B1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1999**

	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
<b>All Buildings</b> .....	4,657	67,338	81,852	14.5	823	60
<b>Building Floorspace (Square Feet)</b>						
1,001 to 5,000 .....	2,348	6,774	11,125	2.9	609	57
5,001 to 10,000 .....	1,110	8,238	10,968	7.4	751	53
10,001 to 25,000 .....	708	11,153	11,378	15.7	980	65
25,001 to 50,000 .....	257	9,311	9,243	36.2	1,007	78
50,001 to 100,000 .....	145	10,112	12,777	69.9	791	80
100,001 to 200,000 .....	59	8,271	8,856	139.4	934	90
200,001 to 500,000 .....	23	6,851	8,798	296.3	779	101
Over 500,000 .....	7	6,628	8,707	929.0	761	110
<b>Principal Building Activity</b>						
Education .....	327	8,651	8,927	26.4	969	50
Food Sales .....	174	994	980	5.7	1,014	118
Food Service .....	349	1,851	4,031	5.3	459	84
Health Care .....	127	2,918	6,219	22.9	469	66
Inpatient .....	11	1,865	3,350	168.2	557	165
Outpatient .....	116	1,053	2,869	9.1	367	56
Lodging .....	153	4,521	2,356	29.5	1,919	150
Mercantile .....	667	10,398	11,384	15.6	913	65
Retail (Other Than Mall) .....	534	4,766	4,668	8.9	1,021	62
Enclosed and Strip Malls .....	133	5,631	6,716	42.2	838	77
Office .....	739	12,044	28,969	16.3	416	53
Public Assembly .....	305	4,393	3,147	14.4	1,396	54
Public Order and Safety .....	72	1,168	1,702	16.2	686	95
Religious Worship .....	307	3,405	1,654	11.1	2,059	29
Service .....	478	3,388	4,554	7.1	744	63
Warehouse and Storage .....	603	10,477	6,216	17.4	1,685	49
Other .....	102	1,222	1,453	12.0	841	49
Vacant .....	253	1,908	261	7.6	Q	Q
<b>Year Constructed</b>						
1919 or Before .....	419	4,034	3,911	9.6	1,031	46
1920 to 1945 .....	499	6,445	5,925	12.9	1,088	52
1946 to 1959 .....	763	9,127	9,832	12.0	928	52
1960 to 1969 .....	665	10,866	12,886	16.3	843	63
1970 to 1979 .....	774	11,840	15,842	15.3	747	64
1980 to 1989 .....	846	13,931	19,828	16.5	703	69
1990 to 1999 .....	690	11,094	13,628	16.1	814	64
<b>Floors</b>						
One .....	2,879	26,800	29,908	9.3	896	58
Two .....	1,168	16,985	18,749	14.5	906	61
Three .....	420	8,928	9,545	21.3	935	60
Four to Nine .....	178	10,180	15,069	57.2	676	85
Ten or More .....	11	4,445	8,582	386.9	518	97
<b>Census Region and Division</b>						
Northeast .....	686	12,360	14,407	18.0	858	66
New England .....	208	3,735	3,889	18.0	960	59
Middle Atlantic .....	479	8,625	10,518	18.0	820	69
Midwest .....	1,188	16,761	18,279	14.1	917	56
East North Central .....	782	11,205	11,668	14.3	960	56
West North Central .....	406	5,556	6,611	13.7	840	56
South .....	1,762	23,485	29,186	13.3	805	58
South Atlantic .....	748	11,001	14,051	14.7	783	57
East South Central .....	396	5,220	5,908	13.2	884	65
West South Central .....	618	7,264	9,226	11.8	787	56
West .....	1,021	14,731	19,981	14.4	737	62
Mountain .....	315	4,579	5,201	14.5	880	54
Pacific .....	705	10,152	14,780	14.4	687	66

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<b>Climate Zone: 45-Year Average</b>						
Under 2,000 CDD and --						
More than 7000 HDD .....	525	5,890	5,857	11.2	1,006	62
5500-7000 HDD .....	986	17,083	18,323	17.3	932	60
4000-5499 HDD .....	1,085	16,243	22,136	15.0	734	60
Fewer than 4000 HDD .....	1,134	16,333	21,145	14.4	772	60
2,000 CDD or More and --						
Fewer than 4000 HDD .....	926	11,788	14,393	12.7	819	57
<b>Workers (main shift)</b>						
Fewer than 5 .....	2,376	14,321	4,240	6.0	3,377	52
5 to 9 .....	807	6,325	5,313	7.8	1,190	60
10 to 19 .....	683	8,028	8,588	11.8	935	65
20 to 49 .....	487	10,814	14,098	22.2	767	74
50 to 99 .....	174	8,898	11,427	51.1	779	81
100 to 249 .....	90	8,356	12,617	92.4	662	80
250 or More .....	39	10,595	25,569	270.0	414	96
<b>Weekly Operating Hours</b>						
39 or Fewer .....	978	6,596	3,517	6.7	1,876	11
40 to 48 .....	1,156	13,105	15,619	11.3	839	43
49 to 60 .....	986	14,200	20,714	14.4	686	55
61 to 84 .....	664	12,458	16,147	18.7	772	74
85 to 167 .....	474	9,116	10,796	19.2	844	104
Open Continuously .....	398	11,863	15,060	29.8	788	168
<b>Ownership and Occupancy</b>						
Nongovernment Owned .....	4,135	54,994	67,787	13.3	811	60
Owner Occupied .....	2,801	37,785	46,555	13.5	812	63
Nonowner Occupied .....	1,099	15,596	21,233	14.2	735	66
Unoccupied .....	236	1,613	0	6.8	0	0
Government Owned .....	521	12,343	14,065	23.7	878	57
<b>Vacancy Status</b>						
Completely Vacant .....	140	953	0	6.8	0	0
Mostly Vacant .....	113	956	261	8.5	Q	Q
Partially Vacant .....	697	15,520	20,518	22.3	756	53
Not At All Vacant .....	3,707	49,910	61,073	13.5	817	65
<b>Number of Establishments</b>						
One .....	3,528	43,343	48,677	12.3	890	63
2 to 5 .....	688	10,582	12,379	15.4	855	61
6 to 10 .....	114	3,574	6,580	31.4	543	73
11 to 20 .....	48	3,260	5,965	68.0	547	76
More than 20 .....	27	4,811	8,251	175.2	583	77
Currently Unoccupied .....	251	1,769	0	7.0	0	0
<b>Energy Sources (more than one may apply)</b>						
Electricity .....	4,395	65,716	81,768	15.0	804	62
Natural Gas .....	2,670	45,525	56,264	17.1	809	65
Fuel Oil .....	434	13,285	19,583	30.6	678	68
District Heat .....	117	5,891	8,654	50.2	681	83
District Chilled Water .....	50	2,750	4,637	55.4	593	81
Propane .....	451	6,290	6,349	14.0	991	59
Wood .....	79	570	578	7.2	986	69
Coal .....	Q	Q	Q	Q	Q	Q
Solar .....	Q	Q	Q	Q	Q	Q
Other .....	69	1,563	2,578	22.7	606	56

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<b>Space-Heating Energy Sources (more than one may apply)</b>						
Electricity .....	1,880	32,291	43,236	17.2	747	65
Natural Gas .....	2,380	37,902	45,992	15.9	824	63
Fuel Oil .....	377	5,611	6,542	14.9	858	61
District Heat .....	96	5,534	8,116	57.7	682	79
Propane .....	307	2,728	2,428	8.9	1,123	51
Wood .....	66	377	338	5.7	1,115	70
Coal .....	Q	Q	Q	Q	Q	Q
Solar .....	Q	Q	Q	Q	Q	Q
Other .....	26	409	760	15.8	538	50
<b>Primary Space-Heating Energy Source</b>						
Electricity .....	1,128	17,627	25,423	15.6	693	70
Natural Gas .....	2,189	32,729	39,164	15.0	836	62
Fuel Oil .....	302	3,719	4,247	12.3	875	60
District Heat .....	77	5,077	7,008	66.0	724	85
Propane .....	282	2,107	1,907	7.5	1,105	49
Wood .....	Q	Q	Q	Q	Q	Q
Coal .....	Q	Q	Q	Q	Q	Q
Solar .....	N	N	N	N	N	N
Other .....	Q	Q	Q	Q	Q	Q
<b>Cooling Energy Sources (more than one may apply)</b>						
Electricity .....	3,450	55,545	72,764	16.1	763	65
Natural Gas .....	142	1,914	2,846	13.5	672	75
District Chilled Water .....	50	2,750	4,637	55.4	593	81
<b>Water-Heating Energy Sources (more than one may apply)</b>						
Electricity .....	1,546	24,171	33,505	15.6	721	62
Natural Gas .....	1,520	29,196	35,930	19.2	813	72
Fuel Oil .....	110	2,218	2,905	20.2	763	75
District Heat .....	62	4,182	5,870	67.5	712	102
Propane .....	130	1,371	1,465	10.5	936	77
<b>Cooking Energy Sources (more than one may apply)</b>						
Electricity .....	437	13,733	18,369	31.4	748	89
Natural Gas .....	505	16,785	21,352	33.2	786	81
Propane .....	118	1,754	2,187	14.9	802	72
<b>Energy End Uses (more than one may apply)</b>						
Buildings with Space Heating .....	4,016	61,602	78,082	15.3	789	63
Buildings with Cooling .....	3,560	58,474	77,367	16.4	756	66
Buildings with Water Heating .....	3,239	56,115	73,385	17.3	765	68
Buildings with Cooking .....	857	24,681	31,603	28.8	781	81
Buildings with Manufacturing .....	151	3,126	4,351	20.7	718	56
Buildings with Electricity Generation .....	172	11,882	18,904	69.3	629	93
<b>Percent of Floorspace Heated</b>						
Not Heated .....	641	5,736	3,770	8.9	1,521	38
1 to 50 .....	576	7,593	5,239	13.2	1,449	57
51 to 99 .....	627	10,745	13,056	17.1	823	71
100 .....	2,813	43,264	59,787	15.4	724	63

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<b>Percent of Floorspace Cooled</b>						
Not Cooled .....	1,097	8,864	4,485	8.1	1,976	41
1 to 50 .....	1,012	16,846	14,146	16.6	1,191	61
51 to 99 .....	751	16,966	23,833	22.6	712	73
100 .....	1,796	24,662	39,388	13.7	626	65
<b>Percent Lit When Open</b>						
Zero .....	34	173	Q	5.1	3,151	92
1 to 50 .....	835	9,187	4,917	11.0	1,868	58
51 to 99 .....	1,228	20,665	28,668	16.8	721	67
100 .....	2,096	34,233	47,951	16.3	714	67
Building Never Open/ Electricity Not Used .....	464	3,080	261	6.6	11,787	10
<b>Percent Lit When Closed</b>						
Zero .....	2,174	20,771	21,669	9.6	959	43
1 to 50 .....	1,688	30,950	41,943	18.3	738	61
51 to 100 .....	143	2,160	3,096	15.1	698	73
Building Never Closed/ Electricity Not Used .....	652	13,457	15,143	20.7	889	108
<b>Heating Equipment (more than one may apply)</b>						
Heat Pumps .....	492	8,923	12,616	18.1	707	63
Furnaces .....	1,460	14,449	15,845	9.9	912	54
Individual Space Heaters .....	894	17,349	19,140	19.4	906	61
District Heat .....	96	5,534	8,116	57.7	682	79
Boilers .....	581	19,522	24,374	33.6	801	72
Packaged Heating Units .....	1,347	25,743	32,224	19.1	799	70
Other .....	185	4,073	7,008	22.1	581	75
<b>Cooling Equipment (more than one may apply)</b>						
Residential-Type Central						
Air Conditioners .....	676	8,329	10,136	12.3	822	59
Heat Pumps .....	485	9,147	13,463	18.8	679	64
Individual Air Conditioners .....	799	14,276	16,652	17.9	857	66
District Chilled Water .....	50	2,750	4,637	55.4	593	81
Central Chillers .....	130	12,909	21,586	99.7	598	84
Packaged Air Conditioning						
Units .....	1,953	36,527	48,283	18.7	757	68
Swamp Coolers .....	136	2,219	2,425	16.3	915	63
Other .....	49	1,312	1,838	26.7	714	61
<b>Main Equipment Replaced Since 1995 (more than one may apply)</b>						
Heating .....	984	13,220	16,913	13.4	782	64
Cooling .....	1,085	17,390	23,164	16.0	751	67
<b>Lighting Equipment Types (more than one may apply)</b>						
Incandescent .....	2,193	38,156	49,616	17.4	769	67
Standard Fluorescent .....	3,778	60,344	77,862	16.0	775	65
Compact Fluorescent .....	607	20,666	30,075	34.1	687	76
High Intensity Discharge .....	430	19,223	21,658	44.8	888	73
Halogen .....	572	17,926	25,668	31.3	698	73
Other .....	58	1,004	1,393	17.5	720	73
<b>Water Heating Equipment</b>						
Centralized System .....	2,472	35,579	45,136	14.4	788	68
Distributed System .....	566	10,899	14,348	19.3	760	64
Combination of Centralized and Distributed System .....	200	9,637	13,902	48.1	693	84

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<b>Personal Computers</b>						
None .....	1,617	9,583	4,785	5.9	2,003	48
1 to 4 .....	1,636	13,853	12,711	8.5	1,090	65
5 to 9 .....	542	6,528	7,485	12.0	872	62
10 to 19 .....	403	7,514	9,200	18.7	817	64
20 to 49 .....	247	8,087	9,668	32.7	836	76
50 to 99 .....	105	5,867	7,268	55.9	807	68
100 to 249 .....	71	6,818	9,574	96.0	712	77
250 or More .....	36	9,088	21,162	252.4	429	89
<b>Photocopiers</b>						
None .....	2,825	21,631	18,897	7.7	1,145	57
One .....	1,114	12,928	12,963	11.6	997	62
2 to 4 .....	540	15,620	16,785	28.9	931	68
5 to 9 .....	102	5,384	8,217	52.6	655	68
10 or More .....	75	11,774	24,991	156.7	471	79
<b>Other Electronic Equipment (more than one may apply)</b>						
Laser Printers .....	1,949	46,567	66,979	23.9	695	66
FAX Machines .....	2,807	54,764	74,706	19.5	733	68
Medical Diagnostic Equipment .....	86	2,493	5,625	29.1	443	61
<b>Energy-Related Space Functions (more than one may apply)</b>						
Commercial Food Preparation .....	767	23,328	30,350	30.4	769	82
Activities with Large Amounts of Hot Water .....	698	21,793	25,850	31.2	843	91
<b>Building Shell Conservation Features (more than one may apply)</b>						
Multipaned Windows .....	2,130	38,193	49,935	17.9	765	64
Tinted, Reflective, or Shading Glass .....	1,283	29,915	43,137	23.3	694	65
<b>HVAC Conservation Features (more than one may apply)</b>						
Variable Air-Volume System .....	550	19,387	30,546	35.3	635	75
Economizer Cycle .....	567	21,256	32,923	37.5	646	77
HVAC Maintenance .....	2,786	53,395	71,290	19.2	749	68
Energy Management and Control System (EMCS) .....	460	21,613	31,767	47.0	680	76
<b>Lighting Conservation Features (more than one may apply)</b>						
Specular Reflectors .....	843	19,994	28,787	23.7	695	72
Electronic Ballasts .....	2,167	42,035	55,879	19.4	752	68
Skylights or Atriums .....	580	18,286	21,158	31.5	864	62
<b>Off-Hour Equipment Reduction (more than one may apply)</b>						
Heating .....	2,862	39,969	50,855	14.0	786	52
Cooling .....	2,622	39,161	52,130	14.9	751	55
Lighting .....	3,675	51,083	65,064	13.9	785	54
Office Equipment .....	184	9,063	12,473	49.2	727	56

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.