

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
All Buildings	4,657	67,338	81,852	14.5	823	60
Building Floorspace (Square Feet)						
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
Principal Building Activity						
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
Year Constructed						
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
Floors						
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
Census Region and Division						
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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	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
Climate Zone: 45-Year Average						
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
Workers (main shift)						
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
Weekly Operating Hours						
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
Ownership and Occupancy						
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
Vacancy Status						
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
Number of Establishments						
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
Energy Sources (more than one may apply)						
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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	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
Space-Heating Energy Sources (more than one may apply)						
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
Primary Space-Heating Energy Source						
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
Cooling Energy Sources (more than one may apply)						
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
Water-Heating Energy Sources (more than one may apply)						
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
Cooking Energy Sources (more than one may apply)						
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
Energy End Uses (more than one may apply)						
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
Percent of Floorspace Heated						
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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	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
Percent of Floorspace Cooled						
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
Percent Lit When Open						
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
Percent Lit When Closed						
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
Heating Equipment (more than one may apply)						
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
Cooling Equipment (more than one may apply)						
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
Main Equipment Replaced Since 1995 (more than one may apply)						
Heating	984	13,220	16,913	13.4	782	64
Cooling	1,085	17,390	23,164	16.0	751	67
Lighting Equipment Types (more than one may apply)						
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
Water Heating Equipment						
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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	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
Personal Computers						
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
Photocopiers						
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
Other Electronic Equipment (more than one may apply)						
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
Energy-Related Space Functions (more than one may apply)						
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
Building Shell Conservation Features (more than one may apply)						
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
HVAC Conservation Features (more than one may apply)						
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
Lighting Conservation Features (more than one may apply)						
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
Off-Hour Equipment Reduction (more than one may apply)						
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.

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)
All Buildings	4,657	67,338	81,852	5.0	909	50	30.5
Building Floorspace (Square Feet)							
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
Principal Building Activity							
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
Year Constructed							
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
Floors							
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
Census Region and Division							
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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Climate Zone: 45-Year Average							
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
Workers (main shift)							
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
Weekly Operating Hours							
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
Ownership and Occupancy							
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
Vacancy Status							
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
Number of Establishments							
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
Energy Sources (more than one may apply)							
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

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)
Space-Heating Energy Sources (more than one may apply)							
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
Primary Space-Heating Energy Source							
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
Cooling Energy Sources (more than one may apply)							
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
Water-Heating Energy Sources (more than one may apply)							
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
Cooking Energy Sources (more than one may apply)							
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
Energy End Uses (more than one may apply)							
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
Percent of Floorspace Heated							
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

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)
Percent of Floorspace Cooled							
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
Percent Lit When Open							
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
Percent Lit When Closed							
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
Heating Equipment (more than one may apply)							
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
Cooling Equipment (more than one may apply)							
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
Main Equipment Replaced Since 1995 (more than one may apply)							
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
Lighting Equipment Types (more than one may apply)							
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
Water Heating Equipment							
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

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)
Personal Computers							
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
Photocopiers							
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
Other Electronic Equipment (more than one may apply)							
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
Energy-Related Space Functions (more than one may apply)							
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
Building Shell Conservation Features (more than one may apply)							
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
HVAC Conservation Features (more than one may apply)							
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
Lighting Conservation Features (more than one may apply)							
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
Off-Hour Equipment Reduction (more than one may apply)							
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.