

Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of 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*	4,645	64,783	72,807	13.9	890	61
Building Floorspace (Square Feet)						
1,001 to 5,000	2,552	6,789	9,936	2.7	683	57
5,001 to 10,000	889	6,585	7,512	7.4	877	61
10,001 to 25,000	738	11,535	10,787	15.6	1,069	67
25,001 to 50,000	241	8,668	8,881	35.9	976	72
50,001 to 100,000	129	9,057	8,432	70.4	1,074	80
100,001 to 200,000	65	9,064	11,632	138.8	779	89
200,001 to 500,000	25	7,176	6,883	289.0	1,043	100
Over 500,000	7	5,908	8,744	896.1	676	115
Principal Building Activity						
Education	386	9,874	12,489	25.6	791	50
Food Sales	226	1,255	1,430	5.6	877	107
Food Service	297	1,654	3,129	5.6	528	86
Health Care	129	3,163	6,317	24.6	501	59
Inpatient	8	1,905	3,716	241.4	513	168
Outpatient	121	1,258	2,600	10.4	484	52
Lodging	142	5,096	2,457	35.8	2,074	167
Retail (Other Than Mall).....	443	4,317	3,463	9.7	1,246	59
Office	824	12,208	28,154	14.8	434	55
Public Assembly	277	3,939	2,395	14.2	1,645	50
Public Order and Safety	71	1,090	1,347	15.5	809	103
Religious Worship	370	3,754	1,706	10.1	2,200	32
Service	622	4,050	3,667	6.5	1,105	55
Warehouse and Storage	597	10,078	4,369	16.9	2,306	66
Other	79	1,738	1,819	21.9	956	63
Vacant	182	2,567	Q	14.1	Q	Q
Year Constructed						
Before 1920	330	3,769	3,045	11.4	1,238	48
1920 to 1945	527	6,871	6,122	13.0	1,122	51
1946 to 1959	562	7,045	6,646	12.5	1,060	52
1960 to 1969	579	8,101	8,708	14.0	930	63
1970 to 1979	731	10,772	12,597	14.7	855	65
1980 to 1989	707	10,332	15,032	14.6	687	62
1990 to 1999	876	12,360	16,181	14.1	764	71
2000 to 2003	334	5,533	4,476	16.6	1,236	68
Census Region and Division						
Northeast	726	12,905	14,908	17.8	866	67
New England	233	2,964	3,155	12.7	939	71
Middle Atlantic	493	9,941	11,752	20.1	846	65
Midwest	1,266	17,080	16,373	13.5	1,043	59
East North Central	696	11,595	11,489	16.7	1,009	61
West North Central	571	5,485	4,883	9.6	1,123	58
South	1,775	23,489	27,078	13.2	867	60
South Atlantic	874	12,258	16,757	14.0	732	60
East South Central	348	3,393	3,060	9.8	1,109	61
West South Central	553	7,837	7,261	14.2	1,079	60
West	878	11,310	14,448	12.9	783	62
Mountain	299	3,675	4,281	12.3	858	64
Pacific	580	7,635	10,168	13.2	751	61

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	855	10,622	10,305	12.4	1,031	60
5,500-7,000 HDD	1,173	17,335	17,340	14.8	1,000	63
4,000-5,499 HDD	673	11,504	14,007	17.1	821	66
Fewer than 4,000 HDD	1,276	15,739	17,178	12.3	916	57
2,000 CDD or More and --						
Fewer than 4,000 HDD	669	9,584	13,978	14.3	686	62
Number of Floors						
One	3,136	25,981	23,710	8.3	1,096	60
Two	1,031	16,270	16,170	15.8	1,006	62
Three	339	7,501	7,966	22.1	942	63
Four to Nine	128	10,085	15,910	78.7	634	87
Ten or More	12	4,947	9,051	420.0	547	112
Elevators and Escalators (more than one may apply)						
Any Elevators	309	24,617	36,562	79.7	673	78
Number of Elevators						
One	208	8,221	9,079	39.5	905	67
Two to Five	88	10,129	15,894	115.1	637	98
Six or More	13	6,268	11,589	491.5	541	115
Any Escalators	6	2,350	4,048	388.7	580	84
Number of Workers (main shift)						
Fewer than 5	2,653	15,492	4,633	5.8	3,344	56
5 to 9	778	6,166	5,080	7.9	1,214	63
10 to 19	563	7,803	7,305	13.9	1,068	66
20 to 49	398	10,989	11,780	27.6	933	73
50 to 99	147	7,934	9,545	53.8	831	75
100 to 249	77	6,871	11,093	89.7	619	90
250 or More	30	9,528	23,371	320.4	408	99
Weekly Operating Hours						
Fewer than 40	1,002	6,863	3,293	6.9	2,084	13
40 to 48	1,117	11,622	13,765	10.4	844	42
49 to 60	1,062	15,723	19,146	14.8	821	54
61 to 84	591	10,334	11,630	17.5	889	74
85 to 167	400	7,092	10,473	17.7	677	107
Open Continuously	475	13,149	14,499	27.7	907	168
Ownership and Occupancy						
Nongovernment Owned						
Owner Occupied	1,841	23,591	27,111	12.8	870	60
Nonowner Occupied	2,029	23,914	26,228	11.8	912	69
Unoccupied	141	1,916	N	13.6	N	0
Government Owned						
Federal	46	1,956	2,432	42.9	804	66
State	164	3,808	7,204	23.2	529	57
Local	425	9,599	9,832	22.6	976	53
Vacancy Status						
Completely Vacant	157	2,161	N	13.8	N	0
Mostly Vacant	25	406	Q	16.1	Q	49
Partially Vacant	548	12,382	16,997	22.6	729	67
Not At All Vacant	3,915	49,834	55,746	12.7	894	63

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Number of Establishments						
One	3,754	45,144	44,071	12.0	1,024	64
2 to 5	643	10,960	13,001	17.1	843	61
6 to 10	55	1,958	Q	35.7	303	68
11 to 20	23	1,951	3,342	85.7	584	66
More than 20	14	2,609	5,930	181.1	440	71
Currently Unoccupied	157	2,161	N	13.8	N	0
Predominant Exterior Wall Material						
Brick, Stone or Stucco	2,044	32,817	36,770	16.1	892	63
Concrete (Block or Poured)	786	10,832	10,463	13.8	1,035	61
Concrete Panels	131	6,559	10,891	50.2	602	67
Siding or Shingles	779	4,120	4,567	5.3	902	58
Metal Panels	825	7,912	6,235	9.6	1,269	59
Window Glass	17	1,024	1,910	60.1	536	78
Other	47	1,113	1,541	23.8	722	62
No One Major Type	18	406	430	22.9	945	53
Predominant Roof Material						
Built-Up	1,036	21,170	25,828	20.4	820	63
Shingles (Not Wood)	1,325	10,195	10,462	7.7	974	59
Metal Surfacing	1,288	11,944	8,461	9.3	1,412	58
Synthetic or Rubber	511	14,730	20,783	28.8	709	70
Slate or Tile	263	2,462	3,021	9.4	815	60
Wooden Materials	122	887	973	7.3	912	60
Concrete	61	2,231	1,958	36.7	1,139	68
Other	16	598	652	38.1	917	62
No One Major Type	25	565	669	22.7	844	84
Renovations in Buildings Constructed Before 1980 (more than one may apply)						
Any Type of Renovation						
Since 1980	1,018	17,844	20,481	17.5	871	61
Addition or Annex	256	6,551	6,668	25.6	982	68
Reduction In Floorspace	22	1,012	1,078	46.1	939	78
Cosmetic Improvements	741	13,119	15,890	17.7	826	62
Wall or Roof Replacement	370	8,070	10,121	21.8	797	60
Interior Wall						
Re-Configuration	411	8,518	11,188	20.7	761	65
HVAC Equipment Upgrade	442	10,768	13,849	24.4	778	64
Lighting Upgrade	455	10,275	12,452	22.6	825	62
Window Replacement	310	6,354	7,462	20.5	851	63
Plumbing System Upgrade	315	7,144	8,764	22.7	815	68
Insulation Upgrade	227	4,015	5,019	17.7	800	56
Other Renovation	19	523	476	27.3	1,097	75
No Renovations Since 1980	1,710	18,714	16,637	10.9	1,125	55
Building Newer than 1980	1,917	28,225	35,689	14.7	791	67

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Energy Sources (more than one may apply)						
Electricity	4,404	63,307	72,708	14.4	871	62
Natural Gas	2,391	43,468	51,956	18.2	837	65
Fuel Oil	451	15,157	19,625	33.6	772	68
District Heat	67	5,443	10,190	81.4	534	79
District Chilled Water	33	2,853	7,189	86.7	397	79
Propane	502	7,076	5,858	14.1	1,208	60
Wood	62	289	262	4.6	1,105	46
Coal	Q	Q	Q	Q	Q	Q
Solar	Q	Q	Q	Q	Q	Q
Other	61	909	1,190	15.0	764	64
Space-Heating Energy Sources (more than one may apply)						
Electricity	1,766	28,600	33,903	16.2	844	66
Natural Gas	2,165	36,959	40,933	17.1	903	62
Fuel Oil	360	5,988	5,386	16.6	1,112	58
District Heat	65	5,198	9,939	79.7	523	78
Propane	372	3,204	3,002	8.6	1,067	55
Wood	59	261	191	4.4	1,367	45
Coal	Q	Q	Q	Q	Q	Q
Solar	Q	Q	Q	Q	Q	Q
Other	41	475	527	11.6	901	61
Primary Space-Heating Energy Source						
Electricity	1,258	15,996	19,392	12.7	825	65
Natural Gas	1,999	32,970	36,773	16.5	897	61
Fuel Oil	282	3,818	2,669	13.5	1,430	58
District Heat	63	4,907	9,729	77.4	504	77
Propane	308	1,955	1,915	6.4	1,021	53
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	3,589	54,321	63,221	15.1	859	64
Natural Gas	17	1,018	1,342	58.9	759	72
District Chilled Water	33	2,853	7,189	86.7	397	79
Water-Heating Energy Sources (more than one may apply)						
Electricity	1,910	27,490	32,638	14.4	842	59
Natural Gas	1,445	28,820	35,740	19.9	806	70
Fuel Oil	94	1,880	2,036	19.9	923	81
District Heat	27	3,088	4,193	113.1	736	95
Propane	128	1,422	1,527	11.1	931	80
Cooking Energy Sources (more than one may apply)						
Electricity	410	13,161	16,034	32.1	821	81
Natural Gas	457	15,438	19,011	33.8	812	85
Propane	108	1,460	1,866	13.6	782	77

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Energy End Uses (more than one may apply)						
Buildings with Space Heating	3,982	60,028	70,778	15.1	848	61
Buildings with Cooling	3,625	56,940	70,153	15.7	812	64
Buildings with Water Heating	3,472	56,478	69,224	16.3	816	65
Buildings with Cooking	801	22,237	27,242	27.8	816	81
Buildings with Manufacturing	119	3,138	2,879	26.5	1,090	54
Buildings with Electricity.....						
Generation	149	12,821	19,273	85.9	665	99
Percent of Floorspace Heated						
Not Heated	663	4,756	2,029	7.2	2,344	60
1 to 50	523	6,850	4,135	13.1	1,656	56
51 to 99	498	8,107	9,618	16.3	843	64
100	2,962	45,071	57,024	15.2	790	62
Percent of Floorspace Cooled						
Not Cooled	1,020	7,843	2,654	7.7	2,956	52
1 to 50	985	16,598	11,094	16.8	1,496	60
51 to 99	629	13,211	16,510	21.0	800	70
100	2,011	27,132	42,549	13.5	638	63
Percent Lit When Open						
Zero	47	293	Q	6.3	Q	115
1 to 50	929	10,203	4,414	11.0	2,312	64
51 to 99	1,108	18,288	26,635	16.5	687	60
100	2,176	32,789	41,552	15.1	789	64
Building Never Open/ Electricity Not Used	386	3,210	111	8.3	28,892	34
Percent Lit When Closed						
Zero	1,964	17,385	18,080	8.9	962	42
1 to 50	1,882	30,948	37,362	16.4	828	58
51 to 100	136	2,093	2,777	15.4	754	59
Building Never Closed/ Electricity Not Used	664	14,357	14,588	21.6	984	127
Heating Equipment (more than one may apply)						
Heat Pumps	476	8,814	10,754	18.5	820	64
Packaged Heat Pumps	278	5,442	7,472	19.6	728	64
Split-System Heat Pumps	166	2,581	2,769	15.5	932	61
Individual Room Heat Pumps	58	2,691	2,979	46.5	903	84
Furnaces	1,864	19,615	18,616	10.5	1,054	57
Individual Space Heaters	819	12,545	12,878	15.3	974	61
District Heat	65	5,166	9,838	79.7	525	78
Boilers	579	20,423	23,472	35.3	870	70
Packaged Heating Units	953	18,021	22,588	18.9	798	69
Other	205	3,262	3,475	15.9	939	63

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Cooling Equipment (more than one may apply)						
Residential-Type Central						
Air Conditioners	1,006	11,035	11,438	11.0	965	57
Heat Pumps	492	9,041	10,961	18.4	825	63
Packaged Heat Pumps	288	5,426	7,489	18.9	725	62
Split-System Heat Pumps	174	2,606	2,764	15.0	943	60
Individual Room Heat Pumps	58	2,940	3,262	50.7	901	84
Individual Air Conditioners	742	12,558	11,477	16.9	1,094	66
District Chilled Water	33	2,853	7,189	86.7	397	79
Central Chillers	111	11,636	17,545	105.1	663	81
Packaged Air Conditioning						
Units	1,613	29,969	35,810	18.6	837	69
Swamp Coolers	122	1,561	1,655	12.8	943	71
Other	40	1,232	1,682	31.1	732	75
Main Equipment Replaced Since 1990 (more than one may apply)						
Heating	1,197	16,403	16,978	13.7	966	61
Cooling	1,356	20,995	24,553	15.5	855	64
Water Heating Equipment						
Centralized System	2,513	34,671	39,948	13.8	868	66
Distributed System	785	11,540	11,842	14.7	974	57
Combination of Centralized and Distributed System	175	10,267	17,434	58.8	589	79
Lighting Equipment Types (more than one may apply)						
Incandescent	2,184	38,528	48,802	17.6	789	66
Standard Fluorescent	3,943	59,688	70,943	15.1	841	62
Compact Fluorescent	941	27,571	36,563	29.3	754	73
High Intensity Discharge	455	20,643	26,080	45.4	792	71
Halogen	565	17,703	22,892	31.3	773	71
Other	8	269	604	31.7	445	111
Refrigeration Equipment (more than one may apply)^a						
Any Refrigeration.....	3,176	52,974	65,564	16.7	808	66
Commercial Refrigeration						
Walk-In Units	666	20,254	25,289	30.4	801	93
Cases or Cabinets	825	20,424	25,417	24.8	804	87
Residential-Type Units	2,370	38,884	47,846	16.4	813	60
Vending Machines	996	35,335	45,904	35.5	770	78
No Refrigeration	1,469	11,809	7,243	8.0	1,630	51
Office Equipment (more than one may apply)						
Computers	3,081	55,627	69,046	18.1	806	65
With Flat Screen Monitors	877	26,417	42,188	30.1	626	68
Dedicated Servers	1,175	36,338	52,509	30.9	692	68
Laser Printers	1,970	33,012	40,085	16.8	824	64
Inkjet Printers	1,420	32,210	43,906	22.7	734	67
FAX Machines	2,715	52,373	66,994	19.3	782	66
Photocopiers	1,939	46,257	61,340	23.9	754	63

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Number of Computers						
None	1,565	9,156	3,761	5.9	2,435	54
1 to 4	1,670	12,395	8,684	7.4	1,427	63
5 to 9	559	7,179	6,010	12.8	1,195	63
10 to 19	370	6,610	6,847	17.9	965	65
20 to 49	255	7,414	9,387	29.1	790	70
50 to 99	110	5,376	6,937	48.9	775	69
100 to 249	79	6,690	8,865	84.3	755	71
250 or More	38	9,963	22,316	264.3	446	89
Number of Dedicated Servers						
None	3,471	28,445	20,298	8.2	1,401	59
1 to 4	1,060	24,116	26,711	22.8	903	67
5 to 9	58	3,864	6,045	67.0	639	83
10 to 19	30	3,027	8,615	100.1	351	84
20 to 49	17	2,583	4,793	150.0	539	77
50 or More	10	2,748	6,345	276.6	433	87
Number of Photocopiers						
None	2,706	18,526	11,467	6.8	1,616	60
One	1,250	15,475	12,549	12.4	1,233	60
2 to 4	549	15,082	17,284	27.5	873	65
5 to 9	85	5,515	10,674	64.7	517	83
10 or More	54	10,185	20,833	187.2	489	80
Energy-Related Space Functions (more than one may apply)						
Commercial Food Preparation	799	22,223	27,242	27.8	816	81
Activities with Large Amounts of Hot Water	567	19,482	21,756	34.4	895	93
Separate Computer Area	553	26,873	37,820	48.6	711	68
HVAC Conservation Features (more than one may apply)						
Variable Air-Volume System	466	19,597	30,768	42.1	637	71
Economizer Cycle	508	21,108	32,317	41.5	653	76
HVAC Maintenance	2,581	51,163	63,597	19.8	804	66
Energy Management and Control System (EMCS)	252	15,630	21,642	62.0	722	69
Window and Interior Lighting Features (more than one may apply)						
Multipaned Windows	2,201	38,910	43,977	17.7	885	65
Tinted Window Glass	1,323	29,887	40,426	22.6	739	63
Reflective Window Glass	308	8,544	12,301	27.8	695	65
External Overhangs or Awnings	1,233	17,242	22,365	14.0	771	66
Skylights or Atriums	331	12,546	14,163	37.9	886	70
Daylighting Sensors	74	2,868	3,775	38.7	760	80
Specular Reflectors	928	26,118	33,030	28.2	791	65
Electronic Ballasts	2,577	46,882	59,003	18.2	795	65
Energy Management and Control System (EMCS) for Lighting	60	4,781	7,098	80.1	674	81

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All Buildings*	4,645	64,783	72,807	13.9	890	61
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a						
Heating	2,878	42,722	49,300	14.8	867	56
Cooling	2,761	43,205	53,990	15.6	800	59
Lighting	3,685	46,987	56,421	12.7	833	52
Office Equipment	1,504	19,397	20,147	12.9	963	51

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet.

^a The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences.

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.

Notes: ● HVAC = Heating, Ventilation, and Air Conditioning. ● 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 2003 Commercial Buildings Energy Consumption Survey.