

Table B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
	All Buildings*	Principal Building Activity					Warehouse and Storage
		Office	Public Assembly	Public Order and Safety	Religious Worship	Service	
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Building Floorspace (Square Feet)							
1,001 to 5,000	6,789	1,382	336	122	416	1,034	895
5,001 to 10,000	6,585	938	518	Q	744	722	868
10,001 to 25,000	11,535	1,887	1,077	Q	1,235	1,021	2,064
25,001 to 50,000	8,668	1,506	301	Q	930	560	1,043
50,001 to 100,000	9,057	1,209	474	Q	Q	Q	1,494
100,001 to 200,000	9,064	1,428	868	Q	Q	Q	1,162
200,001 to 500,000	7,176	1,493	Q	Q	Q	Q	1,322
Over 500,000	5,908	2,365	Q	Q	N	Q	Q
Year Constructed							
Before 1920	3,769	749	323	Q	586	Q	254
1920 to 1945	6,871	1,186	353	Q	334	473	1,208
1946 to 1959	7,045	917	780	Q	603	440	567
1960 to 1969	8,101	1,335	408	Q	502	447	1,051
1970 to 1979	10,772	2,162	594	Q	412	996	1,462
1980 to 1989	10,332	3,296	448	Q	414	511	1,501
1990 to 1999	12,360	1,913	734	327	566	777	2,723
2000 to 2003	5,533	650	301	Q	338	263	1,312
Census Region and Division							
Northeast	12,905	3,012	1,048	362	627	740	1,523
New England	2,964	578	Q	Q	Q	Q	Q
Middle Atlantic	9,941	2,434	769	Q	474	620	1,112
Midwest	17,080	2,989	1,012	221	1,115	1,289	3,017
East North Central	11,595	2,190	635	Q	720	775	2,023
West North Central	5,485	799	377	Q	395	514	994
South	23,489	3,782	1,174	373	1,498	1,358	3,966
South Atlantic	12,258	1,958	440	Q	721	753	1,836
East South Central	3,393	481	Q	Q	310	307	390
West South Central	7,837	1,343	498	Q	467	298	1,740
West	11,310	2,425	706	Q	515	664	1,572
Mountain	3,675	629	Q	Q	Q	345	506
Pacific	7,635	1,796	468	Q	341	319	1,066
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	10,622	1,593	876	Q	408	944	1,704
5,500-7,000 HDD	17,335	3,165	818	360	1,320	1,185	2,639
4,000-5,499 HDD	11,504	3,125	806	Q	499	644	1,479
Fewer than 4,000 HDD	15,739	2,341	910	Q	1,039	969	2,419
2,000 CDD or More and --							
Fewer than 4,000 HDD	9,584	1,985	529	Q	488	308	1,836
Number of Floors							
One	25,981	2,460	1,448	371	1,255	2,713	6,637
Two	16,270	2,269	1,428	Q	1,613	1,000	2,684
Three	7,501	1,810	308	Q	737	Q	Q
Four to Nine	10,085	2,644	693	Q	Q	Q	Q
Ten or More	4,947	3,025	Q	Q	N	N	Q

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All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Elevators and Escalators (more than one may apply)							
Any Elevators	24,617	7,721	1,256	600	669	Q	1,347
Number of Elevators							
One	8,221	1,725	459	Q	556	Q	732
Two to Five	10,129	2,832	696	Q	Q	Q	Q
Six or More	6,268	3,164	Q	Q	Q	Q	N
Any Escalators	2,350	1,143	Q	Q	N	Q	Q
Number of Workers (main shift)							
Fewer than 5	15,492	767	1,381	145	2,117	1,612	3,433
5 to 9	6,166	964	443	Q	582	513	807
10 to 19	7,803	848	588	Q	646	747	1,545
20 to 49	10,989	1,755	836	Q	246	597	1,843
50 to 99	7,934	1,291	Q	Q	Q	Q	1,025
100 to 249	6,871	1,663	Q	Q	Q	Q	585
250 or More	9,528	4,920	Q	Q	Q	Q	Q
Weekly Operating Hours							
Fewer than 40	6,863	221	679	Q	1,612	180	799
40 to 48	11,622	3,366	Q	Q	417	1,057	1,887
49 to 60	15,723	4,392	545	Q	751	1,236	3,224
61 to 84	10,334	2,009	648	N	488	796	1,323
85 to 167	7,092	504	1,012	N	361	194	1,557
Open Continuously	13,149	1,717	445	552	Q	586	1,288
Ownership and Occupancy							
Nongovernment Owned	49,421	10,515	2,189	Q	3,754	3,018	9,371
Owner Occupied	23,591	5,571	1,204	Q	2,804	1,680	3,736
Nonowner Occupied	23,914	4,944	984	Q	950	1,338	5,635
Unoccupied	1,916	N	N	N	N	N	N
Government Owned	15,363	1,693	1,751	967	N	1,032	Q
Federal	1,956	482	Q	Q	N	533	Q
State	3,808	531	726	Q	N	Q	Q
Local	9,599	680	977	853	N	293	Q
Vacancy Status							
Completely Vacant	2,161	N	N	N	N	N	N
Mostly Vacant	406	N	N	N	N	N	N
Partially Vacant	12,382	5,600	510	Q	282	350	1,928
Not At All Vacant	49,834	6,608	3,429	966	3,472	3,700	8,150
Number of Establishments							
One	45,144	4,894	3,110	643	3,272	3,509	7,560
2 to 5	10,960	2,709	677	Q	479	465	2,034
6 to 10	1,958	1,144	Q	Q	N	Q	Q
11 to 20	1,951	1,332	Q	Q	Q	Q	Q
More than 20	2,609	2,129	Q	N	N	N	Q
Currently Unoccupied	2,161	N	N	N	N	N	N

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All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Multibuilding Facility							
Not Part of a Multibuilding Facility							
Facility	40,048	8,186	2,397	549	2,446	3,009	6,204
College or University	3,480	345	677	N	Q	Q	Q
Primary or Secondary School	3,947	Q	268	N	N	Q	Q
Office Complex	2,712	2,239	Q	N	N	Q	Q
Retail Complex	1,238	Q	N	N	N	157	Q
Religious Campus or Complex	2,347	Q	Q	N	1,287	N	Q
Health Care Complex	2,303	Q	N	N	N	N	Q
Lodging or Resort Complex	912	Q	Q	N	N	N	Q
Government Complex	2,014	579	Q	496	N	Q	Q
Other	5,783	564	326	Q	N	596	2,932
Predominant Exterior Wall Material							
Brick, Stone or Stucco	32,817	6,508	2,335	634	2,805	1,089	2,499
Concrete (Block or Poured)	10,832	1,216	629	247	332	1,033	1,742
Concrete Panels	6,559	1,815	Q	Q	Q	Q	1,963
Siding or Shingles	4,120	627	272	Q	413	329	570
Metal Panels	7,912	767	368	Q	Q	1,205	3,219
Window Glass	1,024	663	N	N	Q	N	N
Other	1,113	504	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	N	N	Q	Q
Predominant Roof Material							
Built-Up	21,170	4,899	931	386	440	829	2,803
Shingles (Not Wood)	10,195	1,551	703	Q	2,024	499	667
Metal Surfacing	11,944	939	775	209	456	1,627	4,174
Synthetic or Rubber	14,730	3,472	922	Q	Q	851	1,536
Slate or Tile	2,462	537	Q	Q	458	Q	Q
Wooden Materials	887	189	Q	N	Q	Q	Q
Concrete	2,231	437	Q	Q	Q	Q	Q
Other	598	Q	Q	N	Q	Q	Q
No One Major Type	565	Q	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)							
Any Type of Renovation							
Since 1980	17,844	3,270	1,257	Q	1,214	895	1,695
Addition or Annex	6,551	444	870	Q	428	348	Q
Reduction In Floorspace	1,012	Q	Q	N	Q	Q	Q
Cosmetic Improvements	13,119	2,663	1,026	Q	810	545	979
Wall or Roof Replacement	8,070	1,607	773	Q	450	230	831
Interior Wall							
Re-Configuration	8,518	2,083	638	Q	312	315	897
HVAC Equipment Upgrade	10,768	2,287	574	Q	578	302	844
Lighting Upgrade	10,275	2,019	810	Q	489	452	783
Window Replacement	6,354	1,248	Q	Q	451	Q	Q
Plumbing System Upgrade	7,144	1,421	738	Q	392	Q	Q
Insulation Upgrade	4,015	938	277	Q	Q	Q	Q
Other Renovation	523	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	18,714	3,079	1,200	361	1,222	1,605	2,848
Building Newer than 1980	28,225	5,859	1,483	608	1,318	1,551	5,535

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		Office	Public Assembly	Public Order and Safety	Religious Worship	Service	
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Energy Sources (more than one may apply)							
Electricity	63,307	12,208	3,935	1,090	3,754	3,982	9,425
Natural Gas	43,468	8,208	2,723	637	2,629	2,496	5,494
Fuel Oil	15,157	4,075	939	620	453	626	1,268
District Heat	5,443	1,569	547	Q	Q	Q	Q
District Chilled Water	2,853	730	458	Q	Q	N	Q
Propane	7,076	368	393	Q	381	557	2,217
Other	909	Q	Q	Q	N	292	Q
Energy End Uses (more than one may apply)							
Buildings with Space Heating	60,028	11,929	3,777	1,083	3,581	3,687	8,126
Buildings with Cooling	56,940	12,032	3,477	1,043	3,301	3,261	7,295
Buildings with Water Heating	56,478	11,804	3,632	957	3,512	3,320	6,624
Buildings with Cooking	22,237	3,077	1,506	543	1,552	Q	Q
Buildings with Manufacturing	3,138	469	Q	N	N	Q	1,627
Buildings with Electricity Generation	12,821	4,211	537	606	Q	Q	721
Heating Equipment (more than one may apply)							
Heat Pumps	8,814	1,795	409	Q	577	457	913
Packaged Heat Pumps	5,442	1,260	Q	Q	350	Q	439
Split-System Heat Pumps	2,581	422	Q	Q	291	Q	556
Individual Room Heat Pumps	2,691	506	Q	Q	Q	N	Q
Furnaces	19,615	2,405	1,028	260	1,945	1,974	3,757
Individual Space Heaters	12,545	2,186	677	Q	875	1,010	2,457
District Heat	5,166	1,526	530	Q	Q	Q	Q
Boilers	20,423	4,117	1,421	437	1,148	791	1,031
Packaged Heating Units	18,021	3,754	879	328	733	957	3,118
Other	3,262	970	Q	Q	Q	393	Q
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	11,035	1,669	532	Q	946	1,071	1,861
Heat Pumps	9,041	1,854	473	Q	612	496	981
Packaged Heat Pumps	5,426	1,259	Q	Q	372	Q	457
Split-System Heat Pumps	2,606	434	Q	Q	305	Q	Q
Individual Room Heat Pumps	2,940	615	Q	Q	Q	N	Q
Individual Air Conditioners	12,558	1,201	951	372	847	802	1,440
District Chilled Water	2,853	730	458	Q	Q	N	Q
Central Chillers	11,636	3,839	423	Q	Q	Q	Q
Packaged Air Conditioning Units	29,969	6,171	1,684	438	1,849	1,466	4,453
Swamp Coolers	1,561	Q	Q	Q	Q	Q	Q
Other	1,232	439	Q	N	Q	N	Q
Main Equipment Replaced Since 1990 (more than one may apply)							
Heating	16,403	3,137	1,067	Q	1,239	1,269	1,964
Cooling	20,995	4,573	1,435	256	1,360	1,352	2,283

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All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Office Equipment (more than one may apply)							
Computers	55,627	12,165	3,199	1,052	2,695	3,293	7,710
With Flat Screen Monitors	26,417	8,615	1,354	547	629	1,133	2,202
Dedicated Servers	36,338	9,932	1,454	685	867	1,679	5,072
Laser Printers	33,012	5,997	2,058	656	2,229	2,114	4,455
Inkjet Printers	32,210	9,510	1,524	528	919	1,875	4,398
FAX Machines	52,373	12,067	2,690	1,010	2,149	2,999	7,330
Photocopiers	46,257	11,387	2,472	831	2,614	2,136	6,208
Number of Computers							
None	9,156	Q	740	Q	1,060	758	2,367
1 to 4	12,395	799	1,412	257	1,330	1,497	1,913
5 to 9	7,179	974	377	Q	769	837	1,405
10 to 19	6,610	958	414	Q	327	433	1,625
20 to 49	7,414	1,757	441	Q	Q	Q	1,529
50 to 99	5,376	1,281	Q	Q	Q	Q	Q
100 to 249	6,690	1,655	Q	Q	Q	Q	Q
250 or More	9,963	4,741	Q	Q	N	Q	Q
Number of Dedicated Servers							
None	28,445	2,276	2,485	405	2,887	2,372	5,006
1 to 4	24,116	4,027	1,138	432	840	1,374	3,721
5 to 9	3,864	1,277	Q	Q	Q	Q	Q
10 to 19	3,027	1,175	Q	Q	Q	Q	Q
20 to 49	2,583	1,387	Q	Q	N	N	Q
50 or More	2,748	2,066	N	Q	N	N	Q
Number of Photocopiers							
None	18,526	821	1,467	259	1,141	1,914	3,870
One	15,475	1,743	1,306	167	1,731	1,481	2,615
2 to 4	15,082	2,644	568	Q	784	396	2,477
5 to 9	5,515	1,412	Q	Q	Q	Q	531
10 or More	10,185	5,589	Q	Q	N	Q	Q
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	22,223	3,077	1,506	543	1,552	Q	Q
Activities with Large Amounts of Hot Water	19,482	2,299	1,574	424	775	514	Q
Separate Computer Area	26,873	7,859	910	544	528	608	2,886
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	19,597	5,973	1,084	537	609	699	1,393
Economizer Cycle	21,108	6,022	1,392	452	432	699	1,475
HVAC Maintenance	51,163	10,888	3,272	988	2,744	2,450	6,811
Energy Management and Control System (EMCS)	15,630	4,792	998	Q	Q	Q	795

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All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	38,910	7,897	2,466	774	2,492	1,948	4,329
Tinted Window Glass	29,887	7,278	1,283	525	1,686	1,495	4,158
Reflective Window Glass	8,544	2,558	360	Q	248	459	925
External Overhangs or Awnings	17,242	2,579	1,063	Q	987	1,038	2,098
Skylights or Atriums	12,546	2,510	650	Q	413	578	1,714
Daylighting Sensors	2,868	618	Q	Q	Q	Q	Q
Specular Reflectors	26,118	6,775	1,271	424	1,105	1,378	3,529
Electronic Ballasts	46,882	10,116	2,561	902	2,175	2,676	6,365
Energy Management and Control System (EMCS) for Lighting	4,781	1,913	Q	Q	Q	Q	Q
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a							
Heating	42,722	8,982	3,012	689	3,223	2,483	4,927
Cooling	43,205	9,407	2,920	687	3,005	2,545	5,208
Lighting	46,987	10,217	3,371	483	3,546	3,220	7,777
Office Equipment	19,397	3,337	1,367	Q	1,671	1,291	3,077

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.