

**Table B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)							
	All Buildings*	Principal Building Activity						
		Education	Food Sales	Food Service	Health Care		Lodging	Retail (Other Than Mall)
				Inpatient	Outpatient			
<b>All Buildings*</b> .....	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
<b>Building Floorspace (Square Feet)</b>								
1,001 to 5,000 .....	6,789	409	409	544	N	165	99	638
5,001 to 10,000 .....	6,585	399	356	442	N	280	160	725
10,001 to 25,000 .....	11,535	931	Q	345	Q	312	631	1,284
25,001 to 50,000 .....	8,668	1,756	Q	Q	Q	Q	803	578
50,001 to 100,000 .....	9,057	2,690	Q	Q	Q	206	841	Q
100,001 to 200,000 .....	9,064	2,167	Q	N	Q	Q	930	524
200,001 to 500,000 .....	7,176	1,420	N	Q	467	Q	1,185	Q
Over 500,000 .....	5,908	Q	N	N	973	N	Q	Q
<b>Year Constructed</b>								
Before 1920 .....	3,769	410	Q	281	Q	Q	Q	220
1920 to 1945 .....	6,871	1,036	Q	138	Q	Q	Q	445
1946 to 1959 .....	7,045	1,744	Q	194	318	Q	276	360
1960 to 1969 .....	8,101	1,665	Q	Q	304	Q	744	543
1970 to 1979 .....	10,772	1,410	Q	227	556	197	840	900
1980 to 1989 .....	10,332	1,284	188	182	358	164	980	361
1990 to 1999 .....	12,360	1,546	281	327	161	416	807	1,080
2000 to 2003 .....	5,533	778	Q	Q	Q	Q	489	407
<b>Census Region and Division</b>								
Northeast .....	12,905	1,683	238	172	358	177	1,171	630
New England .....	2,964	Q	Q	Q	Q	Q	374	Q
Middle Atlantic .....	9,941	1,384	Q	127	310	Q	797	419
Midwest .....	17,080	2,541	320	453	438	359	1,144	880
East North Central .....	11,595	1,990	218	248	316	235	548	544
West North Central .....	5,485	552	Q	206	Q	Q	595	337
South .....	23,489	3,983	487	764	838	438	1,694	1,844
South Atlantic .....	12,258	2,445	223	433	469	280	939	897
East South Central .....	3,393	341	Q	99	Q	Q	368	353
West South Central .....	7,837	1,198	Q	232	235	Q	387	594
West .....	11,310	1,667	Q	265	270	283	1,087	963
Mountain .....	3,675	640	Q	Q	Q	Q	438	210
Pacific .....	7,635	1,027	Q	232	176	147	649	753
<b>Climate Zone: 30-Year Average</b>								
Under 2,000 CDD and --								
More than 7,000 HDD .....	10,622	1,537	271	227	262	213	768	710
5,500-7,000 HDD .....	17,335	2,800	368	400	450	334	1,314	865
4,000-5,499 HDD .....	11,504	1,403	Q	219	323	240	1,132	695
Fewer than 4,000 HDD .....	15,739	2,435	273	440	592	252	1,275	1,454
2,000 CDD or More and --								
Fewer than 4,000 HDD .....	9,584	1,698	Q	366	278	218	608	592
<b>Number of Floors</b>								
One .....	25,981	3,696	961	937	Q	441	646	2,742
Two .....	16,270	2,911	263	379	Q	428	950	932
Three .....	7,501	1,639	Q	176	Q	Q	618	416
Four to Nine .....	10,085	1,585	Q	Q	989	189	2,007	Q
Ten or More .....	4,947	Q	N	N	527	Q	875	Q

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		Education	Food Sales	Food Service	Health Care		Lodging	Retail (Other Than Mall)
				Inpatient	Outpatient			
<b>All Buildings*</b> .....	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
<b>Elevators and Escalators (more than one may apply)</b>								
Any Elevators .....	24,617	4,476	Q	Q	1,813	532	3,377	584
Number of Elevators								
One .....	8,221	2,690	Q	Q	Q	212	584	Q
Two to Five .....	10,129	1,767	N	Q	413	257	2,033	Q
Six or More .....	6,268	Q	N	N	1,365	Q	Q	Q
Any Escalators .....	2,350	Q	N	Q	Q	Q	Q	Q
<b>Number of Workers (main shift)</b>								
Fewer than 5 .....	15,492	612	484	336	N	Q	802	1,235
5 to 9 .....	6,166	378	Q	413	N	254	437	828
10 to 19 .....	7,803	740	Q	421	Q	Q	1,023	755
20 to 49 .....	10,989	2,565	Q	367	Q	312	1,049	440
50 to 99 .....	7,934	2,928	Q	Q	Q	Q	703	572
100 to 249 .....	6,871	1,995	Q	Q	379	304	562	333
250 or More .....	9,528	655	N	N	1,464	Q	Q	Q
<b>Weekly Operating Hours</b>								
Fewer than 40 .....	6,863	663	Q	98	N	Q	Q	Q
40 to 48 .....	11,622	2,556	Q	Q	N	450	Q	469
49 to 60 .....	15,723	2,942	Q	178	N	421	N	1,434
61 to 84 .....	10,334	2,317	249	512	N	Q	Q	1,486
85 to 167 .....	7,092	1,313	639	651	N	Q	Q	629
Open Continuously .....	13,149	Q	252	Q	1,905	Q	5,054	Q
<b>Ownership and Occupancy</b>								
Nongovernment Owned .....	49,421	2,070	1,243	1,547	1,557	1,105	4,734	4,312
Owner Occupied .....	23,591	1,232	541	489	911	700	1,624	2,020
Nonowner Occupied .....	23,914	839	702	1,058	646	405	3,110	2,292
Unoccupied .....	1,916	N	N	N	N	N	N	N
Government Owned .....	15,363	7,804	Q	Q	348	Q	363	Q
Federal .....	1,956	Q	N	N	Q	Q	Q	Q
State .....	3,808	1,671	Q	Q	Q	Q	Q	N
Local .....	9,599	6,067	Q	Q	Q	Q	Q	N
<b>Vacancy Status</b>								
Completely Vacant .....	2,161	N	N	N	N	N	N	N
Mostly Vacant .....	406	N	N	N	N	N	N	N
Partially Vacant .....	12,382	1,328	Q	222	415	326	631	313
Not At All Vacant .....	49,834	8,546	1,203	1,432	1,490	932	4,466	4,004
<b>Number of Establishments</b>								
One .....	45,144	8,714	1,057	1,375	1,328	676	4,234	3,410
2 to 5 .....	10,960	946	Q	246	361	374	783	630
6 to 10 .....	1,958	Q	N	Q	Q	Q	Q	Q
11 to 20 .....	1,951	N	N	N	Q	Q	N	Q
More than 20 .....	2,609	N	Q	N	Q	Q	N	Q
Currently Unoccupied .....	2,161	N	N	N	N	N	N	N

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		Education	Food Sales	Food Service	Health Care		Lodging	Retail (Other Than Mall)
				Inpatient	Outpatient			
<b>All Buildings*</b> .....	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
<b>Multibuilding Facility</b>								
Not Part of a Multibuilding								
Facility .....	40,048	4,232	1,109	1,390	397	867	2,859	3,610
College or University .....	3,480	1,549	N	Q	Q	Q	369	Q
Primary or Secondary School .....	3,947	3,437	N	Q	N	Q	Q	N
Office Complex .....	2,712	Q	Q	N	Q	Q	Q	Q
Retail Complex .....	1,238	N	Q	Q	N	N	N	553
Religious Campus or Complex .....	2,347	453	N	Q	N	N	Q	N
Health Care Complex .....	2,303	Q	N	Q	1,482	326	309	N
Lodging or Resort Complex .....	912	Q	N	Q	N	N	799	Q
Government Complex .....	2,014	N	N	Q	N	Q	N	N
Other .....	5,783	Q	N	Q	N	Q	Q	Q
<b>Predominant Exterior Wall Material</b>								
Brick, Stone or Stucco .....	32,817	7,229	559	1,047	1,131	874	3,054	1,341
Concrete (Block or Poured) .....	10,832	1,265	342	263	428	Q	1,069	1,108
Concrete Panels .....	6,559	427	Q	Q	201	Q	Q	349
Siding or Shingles .....	4,120	437	Q	191	Q	Q	466	403
Metal Panels .....	7,912	176	Q	Q	Q	Q	N	1,087
Window Glass .....	1,024	Q	N	Q	Q	N	Q	Q
Other .....	1,113	Q	Q	Q	Q	Q	Q	Q
No One Major Type .....	406	Q	N	Q	Q	N	Q	Q
<b>Predominant Roof Material</b>								
Built-Up .....	21,170	3,901	360	477	980	384	1,571	1,236
Shingles (Not Wood) .....	10,195	1,287	301	332	Q	427	1,314	454
Metal Surfacing .....	11,944	1,002	Q	311	Q	Q	Q	1,345
Synthetic or Rubber .....	14,730	2,829	274	315	770	266	1,182	925
Slate or Tile .....	2,462	533	Q	Q	Q	Q	250	Q
Wooden Materials .....	887	Q	Q	Q	N	Q	Q	Q
Concrete .....	2,231	Q	Q	Q	Q	Q	Q	Q
Other .....	598	Q	Q	Q	N	N	Q	N
No One Major Type .....	565	Q	Q	Q	Q	Q	N	Q
<b>Renovations in Buildings Constructed Before 1980 (more than one may apply)</b>								
Any Type of Renovation								
Since 1980 .....	17,844	3,787	351	517	1,155	275	1,339	926
Addition or Annex .....	6,551	1,539	Q	Q	880	Q	500	188
Reduction In Floorspace .....	1,012	Q	N	Q	Q	Q	Q	Q
Cosmetic Improvements .....	13,119	2,762	299	411	848	236	1,120	701
Wall or Roof Replacement .....	8,070	1,961	Q	151	572	Q	626	363
Interior Wall								
Re-Configuration .....	8,518	1,585	Q	149	805	180	523	434
HVAC Equipment Upgrade .....	10,768	2,636	Q	270	1,024	Q	854	478
Lighting Upgrade .....	10,275	2,592	Q	241	767	Q	748	488
Window Replacement .....	6,354	1,652	Q	Q	411	Q	437	328
Plumbing System Upgrade .....	7,144	1,607	Q	201	634	Q	562	325
Insulation Upgrade .....	4,015	916	Q	Q	280	Q	Q	230
Other Renovation .....	523	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980 .....	18,714	2,479	324	437	161	288	1,481	1,544
Building Newer than 1980 .....	28,225	3,608	579	699	589	695	2,276	1,848

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		Education	Food Sales	Food Service	Health Care		Lodging	Retail (Other Than Mall)
				Inpatient	Outpatient			
<b>All Buildings*</b> .....	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
<b>Energy Sources (more than one may apply)</b>								
Electricity .....	63,307	9,871	1,237	1,654	1,905	1,258	5,096	4,317
Natural Gas .....	43,468	7,045	747	1,396	1,805	739	4,256	2,866
Fuel Oil .....	15,157	1,864	Q	Q	1,683	199	2,193	501
District Heat .....	5,443	1,145	N	Q	436	Q	345	Q
District Chilled Water .....	2,853	768	N	Q	279	Q	Q	Q
Propane .....	7,076	855	Q	220	329	Q	614	382
Other .....	909	Q	Q	N	Q	N	Q	Q
<b>Energy End Uses (more than one may apply)</b>								
Buildings with Space Heating .....	60,028	9,755	1,131	1,608	1,905	1,195	4,994	4,075
Buildings with Cooling .....	56,940	9,200	1,198	1,583	1,899	1,258	4,841	4,079
Buildings with Water Heating .....	56,478	9,481	1,130	1,654	1,905	1,255	5,096	3,459
Buildings with Cooking .....	22,237	6,402	677	1,611	1,819	Q	3,184	771
Buildings with Manufacturing .....	3,138	Q	Q	Q	Q	Q	Q	Q
Buildings with Electricity Generation .....	12,821	1,776	Q	Q	1,648	214	1,831	504
<b>Heating Equipment (more than one may apply)</b>								
Heat Pumps .....	8,814	1,787	Q	168	424	217	1,183	444
Packaged Heat Pumps .....	5,442	918	Q	Q	Q	Q	662	279
Split-System Heat Pumps .....	2,581	382	Q	Q	Q	Q	Q	Q
Individual Room Heat Pumps .....	2,691	923	N	Q	Q	Q	754	Q
Furnaces .....	19,615	1,855	567	675	386	400	1,065	2,049
Individual Space Heaters .....	12,545	1,500	Q	186	409	191	1,462	667
District Heat .....	5,166	1,106	N	Q	353	Q	Q	Q
Boilers .....	20,423	5,171	Q	328	1,477	380	2,773	383
Packaged Heating Units .....	18,021	2,596	422	591	672	270	1,356	1,397
Other .....	3,262	Q	Q	Q	Q	Q	Q	Q
<b>Cooling Equipment (more than one may apply)</b>								
Residential-Type Central Air Conditioners .....	11,035	1,263	173	468	321	384	1,102	624
Heat Pumps .....	9,041	1,674	Q	217	412	213	1,172	471
Packaged Heat Pumps .....	5,426	804	Q	Q	322	Q	651	304
Split-System Heat Pumps .....	2,606	382	Q	Q	Q	Q	Q	Q
Individual Room Heat Pumps .....	2,940	893	N	Q	Q	Q	754	Q
Individual Air Conditioners .....	12,558	2,607	Q	234	607	Q	2,306	564
District Chilled Water .....	2,853	768	N	Q	279	Q	Q	Q
Central Chillers .....	11,636	2,714	N	Q	1,348	176	1,401	Q
Packaged Air Conditioning Units .....	29,969	4,318	784	988	1,108	585	2,003	2,723
Swamp Coolers .....	1,561	Q	Q	Q	Q	N	Q	Q
Other .....	1,232	Q	Q	Q	Q	N	Q	Q
<b>Main Equipment Replaced Since 1990 (more than one may apply)</b>								
Heating .....	16,403	2,519	298	498	418	262	1,703	1,121
Cooling .....	20,995	3,445	378	608	893	333	2,026	1,346

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<b>All Buildings*</b> .....	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
<b>Office Equipment (more than one may apply)</b>								
Computers .....	55,627	9,649	986	1,205	1,752	1,252	4,713	3,751
With Flat Screen Monitors .....	26,417	4,601	Q	381	1,566	688	2,178	1,324
Dedicated Servers .....	36,338	6,895	447	427	1,628	689	3,369	1,870
Laser Printers .....	33,012	6,487	596	660	876	632	2,858	2,293
Inkjet Printers .....	32,210	4,787	524	482	1,443	836	2,143	2,061
FAX Machines .....	52,373	8,740	901	1,135	1,901	1,184	4,384	3,761
Photocopiers .....	46,257	8,786	592	347	1,876	1,104	3,686	2,626
<b>Number of Computers</b>								
None .....	9,156	225	269	448	Q	Q	383	566
1 to 4 .....	12,395	548	551	789	Q	255	911	1,637
5 to 9 .....	7,179	315	Q	197	Q	Q	875	792
10 to 19 .....	6,610	597	Q	Q	Q	225	804	455
20 to 49 .....	7,414	1,226	Q	Q	Q	Q	723	513
50 to 99 .....	5,376	1,583	N	N	Q	182	Q	Q
100 to 249 .....	6,690	3,143	N	N	245	Q	Q	Q
250 or More .....	9,963	2,238	N	N	1,278	Q	Q	Q
<b>Number of Dedicated Servers</b>								
None .....	28,445	2,979	808	1,226	Q	569	1,727	2,447
1 to 4 .....	24,116	5,213	427	316	560	490	3,041	1,619
5 to 9 .....	3,864	788	Q	Q	205	Q	Q	Q
10 to 19 .....	3,027	Q	N	N	348	Q	Q	Q
20 to 49 .....	2,583	Q	N	N	301	Q	Q	Q
50 or More .....	2,748	Q	N	N	214	Q	Q	N
<b>Number of Photocopiers</b>								
None .....	18,526	1,088	663	1,307	Q	Q	1,410	1,691
One .....	15,475	1,713	481	201	Q	435	1,461	1,739
2 to 4 .....	15,082	4,477	Q	Q	Q	263	1,405	654
5 to 9 .....	5,515	1,674	N	N	187	171	Q	Q
10 or More .....	10,185	922	N	N	1,507	235	Q	Q
<b>Energy-Related Space Functions (more than one may apply)</b>								
Commercial Food Preparation .....	22,223	6,402	677	1,611	1,819	Q	3,184	771
Activities with Large Amounts of Hot Water .....	19,482	4,524	Q	1,009	1,760	172	4,630	421
Separate Computer Area .....	26,873	7,518	Q	Q	1,598	375	2,227	652
<b>HVAC Conservation Features (more than one may apply)</b>								
Variable Air-Volume System .....	19,597	4,050	Q	350	1,446	439	1,459	448
Economizer Cycle .....	21,108	4,284	Q	335	1,337	421	1,813	1,049
HVAC Maintenance .....	51,163	8,954	894	1,289	1,856	1,091	4,491	3,127
Energy Management and Control System (EMCS) .....	15,630	5,073	Q	Q	775	267	643	740

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<b>All Buildings*</b> .....	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
<b>Window and Interior Lighting Features (more than one may apply)</b>								
Multipaned Windows .....	38,910	6,496	738	979	1,659	836	3,892	2,210
Tinted Window Glass .....	29,887	4,468	333	586	1,569	710	2,052	1,864
Reflective Window Glass .....	8,544	1,274	Q	137	790	169	587	478
External Overhangs or Awnings .....	17,242	2,623	465	848	810	306	1,934	1,916
Skylights or Atriums .....	12,546	2,457	Q	Q	861	247	1,589	765
Daylighting Sensors .....	2,868	473	Q	Q	304	Q	548	Q
Specular Reflectors .....	26,118	4,383	293	467	1,299	358	2,262	1,236
Electronic Ballasts .....	46,882	8,358	929	1,100	1,822	944	4,147	2,981
Energy Management and Control System (EMCS) for Lighting .....	4,781	1,144	Q	Q	Q	Q	Q	406
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>a</sup></b>								
Heating .....	42,722	8,313	465	1,091	833	853	2,656	3,126
Cooling .....	43,205	8,366	545	1,205	891	871	2,689	3,249
Lighting .....	46,987	9,430	895	1,507	N	1,148	Q	4,048
Office Equipment .....	19,397	4,998	198	356	N	456	Q	1,636

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/cbeecs>.

\* 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.

<sup>a</sup> 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.