

Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
	All Buildings*	Northeast		Midwest		South		West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Building Floorspace (Square Feet)										
1,001 to 5,000	6,789	360	666	974	922	1,207	538	788	464	871
5,001 to 10,000	6,585	359	764	843	722	1,387	393	879	418	820
10,001 to 25,000	11,535	553	1,419	1,934	1,164	2,240	810	1,329	831	1,256
25,001 to 50,000	8,668	347	944	1,618	949	1,672	498	998	511	1,132
50,001 to 100,000	9,057	516	1,524	1,618	642	1,470	650	1,314	374	948
100,001 to 200,000	9,064	414	1,703	1,682	614	2,087	Q	1,131	Q	895
200,001 to 500,000	7,176	Q	1,673	1,801	395	1,072	Q	664	339	947
Over 500,000	5,908	Q	1,248	1,126	Q	1,123	Q	Q	Q	766
Principal Building Activity										
Education	9,874	Q	1,384	1,990	552	2,445	341	1,198	640	1,027
Food Sales	1,255	Q	Q	218	Q	223	Q	Q	Q	Q
Food Service	1,654	Q	127	248	206	433	99	232	Q	232
Health Care	3,163	Q	464	551	247	749	219	309	230	323
Inpatient	1,905	Q	310	316	Q	469	Q	235	Q	176
Outpatient	1,258	Q	Q	235	Q	280	Q	Q	Q	147
Lodging	5,096	374	797	548	595	939	368	387	438	649
Retail (Other Than Mall)	4,317	Q	419	544	337	897	353	594	210	753
Office	12,208	578	2,434	2,190	799	1,958	481	1,343	629	1,796
Public Assembly	3,939	Q	769	635	377	440	Q	498	Q	468
Public Order and Safety	1,090	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	3,754	Q	474	720	395	721	310	467	Q	341
Service	4,050	Q	620	775	514	753	307	298	345	319
Warehouse and Storage	10,078	Q	1,112	2,023	994	1,836	390	1,740	506	1,066
Other	1,738	Q	501	248	Q	Q	Q	Q	Q	Q
Vacant	2,567	Q	Q	791	Q	252	Q	350	Q	Q
Year Constructed										
Before 1920	3,769	444	962	999	553	Q	Q	Q	Q	Q
1920 to 1945	6,871	611	1,893	1,603	496	650	300	398	Q	783
1946 to 1959	7,045	Q	1,745	1,454	574	1,097	239	460	255	873
1960 to 1969	8,101	Q	1,393	1,380	850	1,379	483	675	592	1,005
1970 to 1979	10,772	450	1,273	2,198	1,039	1,464	789	1,473	924	1,162
1980 to 1989	10,332	265	1,109	1,486	463	2,403	431	1,934	700	1,541
1990 to 1999	12,360	Q	1,130	1,655	1,091	3,652	766	1,823	627	1,377
2000 to 2003	5,533	Q	435	820	420	1,272	342	943	307	731
Number of Floors										
One	25,981	545	2,606	3,877	2,227	5,753	1,641	4,362	1,871	3,098
Two	16,270	742	2,288	3,251	1,926	2,700	864	1,381	990	2,128
Three	7,501	755	1,327	1,881	703	1,043	442	453	181	715
Four to Nine	10,085	793	2,210	2,081	579	2,003	355	736	338	990
Ten or More	4,947	Q	1,510	506	Q	759	Q	904	Q	704
Elevators and Escalators (more than one may apply)										
Any Elevators	24,617	1,375	4,762	5,050	1,627	4,612	923	2,414	1,069	2,785
Number of Elevators										
One	8,221	500	1,086	2,224	860	1,475	369	631	414	662
Two to Five	10,129	723	2,248	2,060	644	1,900	386	808	275	1,085
Six or More	6,268	Q	1,428	766	Q	1,237	168	975	Q	1,039
Any Escalators	2,350	Q	494	Q	Q	Q	Q	Q	Q	Q

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	Total Floorspace (million square feet)									
	All Buildings*	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Number of Workers (main shift)										
Fewer than 5	15,492	776	1,599	3,195	1,763	2,517	1,107	2,046	766	1,723
5 to 9	6,166	401	684	866	598	1,284	476	835	345	678
10 to 19	7,803	409	1,463	1,214	867	1,392	350	999	428	681
20 to 49	10,989	350	1,964	1,980	876	1,773	701	1,408	645	1,291
50 to 99	7,934	Q	1,110	1,570	742	1,611	Q	840	558	812
100 to 249	6,871	Q	1,034	1,212	397	1,737	Q	451	311	1,086
250 or More	9,528	Q	2,087	1,558	242	1,943	Q	1,259	622	1,364
Weekly Operating Hours										
Fewer than 40	6,863	Q	725	1,600	700	1,211	416	918	291	804
40 to 48	11,622	440	1,672	1,746	1,036	2,109	770	1,688	783	1,378
49 to 60	15,723	837	2,261	3,340	1,273	3,074	610	1,872	712	1,744
61 to 84	10,334	494	1,554	1,737	845	1,926	600	1,228	592	1,358
85 to 167	7,092	Q	1,078	1,450	558	1,402	Q	882	357	950
Open Continuously	13,149	756	2,651	1,721	1,073	2,536	823	1,250	940	1,401
Ownership and Occupancy										
Nongovernment Owned	49,421	2,283	8,106	8,015	4,455	9,049	2,453	6,325	2,611	6,125
Owner Occupied	23,591	1,587	4,317	3,755	2,416	4,141	967	2,761	976	2,672
Nonowner Occupied	23,914	669	3,535	3,597	1,942	4,678	1,450	3,230	1,624	3,189
Unoccupied	1,916	Q	Q	663	Q	Q	Q	Q	Q	Q
Government Owned	15,363	682	1,835	3,580	1,030	3,209	940	1,512	1,064	1,510
Federal	1,956	Q	Q	Q	Q	Q	Q	Q	Q	Q
State	3,808	Q	386	536	Q	726	507	Q	Q	565
Local	9,599	346	1,360	2,199	726	2,078	376	969	681	864
Vacancy Status										
Completely Vacant	2,161	Q	Q	756	Q	241	Q	346	Q	Q
Mostly Vacant	406	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	12,382	1,031	2,086	2,255	864	1,980	397	1,685	750	1,335
Not At All Vacant	49,834	1,795	7,475	8,549	4,427	10,026	2,898	5,802	2,882	5,978
Number of Establishments										
One	45,144	1,784	6,277	8,315	4,044	8,902	2,707	5,339	2,794	4,982
2 to 5	10,960	615	1,901	1,833	970	2,139	385	1,217	538	1,362
6 to 10	1,958	Q	411	264	Q	Q	Q	Q	Q	211
11 to 20	1,951	Q	Q	Q	Q	Q	Q	Q	Q	Q
More than 20	2,609	Q	641	Q	Q	320	Q	639	Q	547
Currently Unoccupied	2,161	Q	Q	756	Q	241	Q	346	Q	Q
Predominant Exterior Wall Material										
Brick, Stone or Stucco	32,817	1,541	5,707	7,166	2,082	6,051	1,824	3,699	1,551	3,195
Concrete (Block or Poured)	10,832	284	1,900	1,885	1,002	2,371	641	973	462	1,315
Concrete Panels	6,559	Q	550	855	375	1,416	Q	1,216	695	1,277
Siding or Shingles	4,120	779	415	473	711	649	Q	281	Q	461
Metal Panels	7,912	Q	862	651	1,229	1,450	616	1,360	634	918
Window Glass	1,024	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other	1,113	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	Q	Q	Q	N	Q	Q	Q

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	All Buildings*	Northeast		Midwest		South		West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Predominant Roof Material										
Built-Up	21,170	704	3,363	3,913	1,349	4,125	827	2,479	1,421	2,990
Shingles (Not Wood)	10,195	683	1,340	2,070	1,129	1,889	638	797	475	1,174
Metal Surfacing	11,944	Q	780	1,046	1,616	2,557	1,116	2,635	944	1,001
Synthetic or Rubber	14,730	1,018	3,097	3,453	990	2,449	643	1,206	664	1,209
Slate or Tile	2,462	Q	398	236	Q	624	Q	279	Q	552
Wooden Materials	887	Q	Q	Q	Q	Q	Q	Q	Q	212
Concrete	2,231	Q	Q	Q	Q	Q	N	Q	Q	353
Other	598	Q	Q	Q	Q	Q	N	Q	Q	Q
No One Major Type	565	Q	Q	Q	Q	Q	N	Q	N	Q
Renovations in Buildings										
Constructed Before 1980										
(more than one may apply)										
Any Type of Renovation	17,844	1,445	3,659	3,492	1,945	2,304	884	1,273	1,095	1,746
Since 1980	6,551	Q	1,395	1,243	727	884	392	529	551	428
Addition or Annex	1,012	Q	Q	Q	Q	Q	Q	Q	Q	Q
Reduction In Floorspace	13,119	943	3,010	2,354	1,525	1,497	677	931	718	1,465
Cosmetic Improvements	8,070	720	1,955	1,367	871	961	340	562	504	789
Wall or Roof Replacement	8,518	639	1,850	1,709	877	1,036	334	566	637	870
Interior Wall										
Re-Configuration	10,768	739	2,287	2,136	1,197	1,559	464	561	776	1,049
HVAC Equipment Upgrade	10,275	853	2,497	1,985	1,074	1,186	440	466	733	1,042
Lighting Upgrade	6,354	688	2,061	1,339	508	505	Q	266	332	510
Window Replacement	7,144	633	1,878	1,177	721	782	262	323	517	852
Plumbing System Upgrade	4,015	356	1,014	700	512	468	Q	231	Q	411
Insulation Upgrade	523	Q	Q	Q	N	Q	Q	N	Q	Q
No Renovations Since 1980	18,714	752	3,608	4,142	1,566	2,626	971	1,864	945	2,240
Building Newer than 1980	28,225	767	2,675	3,961	1,974	7,327	1,538	4,700	1,634	3,649
Energy Sources (more than one may apply)										
Electricity	63,307	2,942	9,867	11,373	5,328	12,097	3,220	7,449	3,633	7,397
Natural Gas	43,468	1,465	7,716	9,570	3,593	6,326	2,281	4,704	2,797	5,016
Fuel Oil	15,157	1,577	4,502	1,871	961	2,639	341	1,141	626	1,497
District Heat	5,443	Q	1,082	1,420	Q	1,243	Q	Q	253	413
District Chilled Water	2,853	Q	583	569	Q	667	Q	284	Q	300
Propane	7,076	Q	505	Q	991	1,548	265	547	555	618
Other	1,401	Q	Q	283	222	Q	Q	Q	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	60,028	2,819	9,778	11,223	5,108	11,012	3,056	6,929	3,525	6,577
Buildings with Cooling	56,940	2,021	8,932	9,790	4,694	11,474	2,985	7,094	3,267	6,683
Buildings with Water Heating	56,478	2,724	9,065	10,208	4,720	10,714	2,858	6,341	3,422	6,426
Buildings with Cooking	22,237	938	4,078	4,378	1,472	4,198	1,055	2,628	1,209	2,280
Buildings with Manufacturing	3,138	Q	679	489	Q	296	Q	Q	Q	412
Buildings with Electricity Generation	12,821	567	2,678	2,558	760	2,396	324	1,297	738	1,504
Percent of Floorspace Heated										
Not Heated	4,756	Q	Q	372	377	1,246	337	908	Q	1,057
1 to 50	6,850	Q	899	774	356	1,105	353	1,384	Q	1,257
51 to 99	8,107	418	1,120	1,214	513	1,864	309	718	569	1,381
100	45,071	1,913	7,758	9,235	4,239	8,043	2,394	4,828	2,721	3,940

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	Total Floorspace (million square feet)									
	All Buildings*	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Percent of Floorspace Cooled										
Not Cooled	7,843	943	1,009	1,805	791	784	408	744	407	952
1 to 50	16,598	922	3,349	3,186	1,571	2,418	472	2,025	918	1,738
51 to 99	13,211	550	2,551	2,436	1,325	2,624	459	820	886	1,559
100	27,132	550	3,033	4,169	1,797	6,431	2,054	4,249	1,463	3,386
Percent Lit When Open										
Zero	293	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	10,203	953	1,796	1,575	1,178	1,313	505	1,371	382	1,130
51 to 99	18,288	1,070	2,529	3,641	1,658	3,293	913	1,928	1,095	2,161
100	32,789	830	5,221	5,418	2,362	7,210	1,730	3,933	2,136	3,947
Building Never Open/ Electricity Not Used	3,210	Q	372	946	281	363	Q	553	Q	Q
Percent Lit When Closed										
Zero	17,385	721	2,086	3,237	1,936	3,431	623	2,239	1,118	1,994
1 to 50	30,948	1,400	4,880	6,101	2,192	5,687	1,682	3,658	1,526	3,823
51 to 100	2,093	Q	Q	Q	Q	491	Q	374	Q	180
Building Never Closed/ Electricity Not Used	14,357	764	2,711	1,916	1,197	2,649	942	1,565	973	1,638
Heating Equipment (more than one may apply)										
Heat Pumps	8,814	Q	1,019	719	339	3,677	542	722	333	1,268
Packaged Heat Pumps	5,442	Q	656	541	Q	2,145	246	537	Q	741
Split-System Heat Pumps	2,581	Q	Q	Q	Q	1,459	214	Q	Q	305
Individual Room Heat Pumps	2,691	Q	430	Q	Q	1,039	Q	Q	Q	431
Furnaces	19,615	990	2,606	4,572	2,657	2,772	895	2,048	1,302	1,773
Individual Space Heaters	12,545	1,011	1,775	2,544	1,625	2,148	563	898	692	1,290
District Heat	5,166	Q	1,000	1,420	Q	1,173	Q	Q	253	362
Boilers	20,423	1,465	4,763	4,466	1,675	2,135	786	1,472	1,359	2,302
Packaged Heating Units	18,021	615	2,297	2,531	1,135	3,917	1,215	2,998	748	2,564
Other	3,262	Q	408	434	386	905	Q	399	347	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	11,035	291	2,100	2,040	1,568	1,843	489	1,523	341	841
Heat Pumps	9,041	Q	1,008	746	317	3,742	586	595	430	1,355
Packaged Heat Pumps	5,426	Q	646	563	Q	2,104	294	451	Q	742
Split-System Heat Pumps	2,606	Q	Q	Q	Q	1,494	225	Q	Q	322
Individual Room Heat Pumps	2,940	Q	430	Q	Q	1,079	Q	Q	Q	546
Individual Air Conditioners	12,558	925	2,762	2,199	1,289	2,218	610	806	730	1,019
District Chilled Water	2,853	Q	583	569	Q	667	Q	284	Q	300
Central Chillers	11,636	383	1,469	2,074	768	2,489	594	1,771	621	1,466
Packaged Air Conditioning Units	29,969	872	5,128	5,505	2,581	5,520	1,555	3,325	1,655	3,826
Swamp Coolers	1,561	Q	Q	Q	N	Q	Q	Q	874	468
Other	1,232	Q	Q	317	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	16,403	1,013	2,961	3,273	1,754	2,253	886	1,675	1,133	1,455
Cooling	20,995	1,100	4,353	3,700	2,052	3,111	1,059	2,245	1,356	2,018

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	All Buildings*	Northeast		Midwest		South		West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Office Equipment (more than one may apply)										
Computers	55,627	2,521	8,996	9,882	4,533	10,483	2,724	6,507	3,282	6,698
With Flat Screen Monitors	26,417	1,156	4,839	4,584	1,762	4,768	1,314	3,053	1,365	3,575
Dedicated Servers	36,338	1,656	6,486	6,456	2,796	6,839	1,606	4,204	1,959	4,335
Laser Printers	33,012	1,569	5,526	5,678	2,784	6,059	1,813	3,694	2,165	3,723
Inkjet Printers	32,210	1,204	5,211	5,817	2,489	6,138	1,502	3,840	1,901	4,108
FAX Machines	52,373	2,367	8,806	9,138	4,157	9,973	2,551	6,258	2,983	6,140
Photocopiers	46,257	1,869	8,024	8,273	3,586	8,821	2,211	5,281	2,753	5,439
Number of Computers										
None	9,156	443	945	1,712	952	1,775	669	1,330	393	937
1 to 4	12,395	570	1,511	2,536	1,207	2,124	807	1,488	707	1,444
5 to 9	7,179	Q	1,087	1,112	826	1,154	520	864	450	649
10 to 19	6,610	329	992	1,069	621	1,321	Q	910	371	825
20 to 49	7,414	322	1,182	1,196	736	1,207	437	780	548	1,006
50 to 99	5,376	Q	1,018	744	305	1,265	Q	490	285	784
100 to 249	6,690	Q	1,054	1,221	630	1,353	Q	660	448	869
250 or More	9,963	439	2,151	2,005	208	2,059	Q	1,315	473	1,122
Number of Dedicated Servers										
None	28,445	1,308	3,455	5,139	2,689	5,419	1,788	3,633	1,716	3,299
1 to 4	24,116	1,028	4,219	4,202	2,366	4,155	1,272	2,782	1,428	2,665
5 to 9	3,864	Q	604	754	212	966	Q	Q	Q	601
10 to 19	3,027	Q	437	647	Q	837	Q	Q	Q	414
20 to 49	2,583	Q	411	Q	Q	524	Q	Q	Q	Q
50 or More	2,748	Q	815	Q	Q	Q	Q	Q	Q	Q
Number of Photocopiers										
None	18,526	1,095	1,917	3,322	1,899	3,437	1,182	2,557	921	2,196
One	15,475	683	2,344	2,620	1,615	2,611	1,016	1,833	995	1,757
2 to 4	15,082	643	2,302	2,745	1,281	3,060	659	1,799	887	1,706
5 to 9	5,515	Q	1,250	1,013	388	1,124	Q	405	Q	634
10 or More	10,185	276	2,128	1,894	302	2,026	284	1,243	690	1,341
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	22,223	938	4,078	4,378	1,472	4,196	1,055	2,628	1,209	2,269
Activities with Large Amounts of Hot Water	19,482	995	2,927	3,546	1,678	4,178	949	1,776	1,384	2,048
Separate Computer Area	26,873	1,045	4,880	4,759	1,723	5,236	1,028	3,132	1,607	3,462
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	19,597	592	3,188	3,660	1,342	3,818	788	2,743	1,236	2,232
Economizer Cycle	21,108	824	3,317	4,350	1,533	3,815	828	1,988	1,383	3,069
HVAC Maintenance	51,163	2,311	8,736	9,424	3,704	9,547	2,258	5,836	3,065	6,282
Energy Management and Control System (EMCS)	15,630	429	2,573	2,835	965	3,426	542	1,834	857	2,170

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	Total Floorspace (million square feet)									
	All Buildings*	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Window and Interior Lighting Features (more than one may apply)										
Multipaned Windows	38,910	2,307	7,001	8,023	3,738	7,191	1,685	3,429	2,656	2,880
Tinted Window Glass	29,887	803	4,155	5,393	1,925	6,498	1,169	4,283	1,617	4,043
Reflective Window Glass	8,544	Q	1,436	1,454	711	1,655	257	1,098	489	1,219
External Overhangs or Awnings	17,242	577	2,110	2,537	1,688	3,814	1,022	1,950	1,521	2,025
Skylights or Atriums	12,546	476	2,416	2,338	929	1,831	434	1,656	1,001	1,465
Daylighting Sensors	2,868	Q	319	608	Q	448	Q	Q	Q	674
Specular Reflectors	26,118	1,390	4,444	5,813	1,896	4,553	785	2,533	1,307	3,396
Electronic Ballasts	46,882	2,162	7,125	8,623	3,987	8,835	2,177	5,446	2,905	5,621
Energy Management and Control System (EMCS) for Lighting	4,781	Q	758	988	Q	810	Q	629	Q	923
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a										
Heating	42,722	1,768	7,751	7,595	3,314	7,843	2,124	4,688	2,456	5,183
Cooling	43,205	1,456	7,356	7,147	3,323	8,678	2,175	5,241	2,449	5,380
Lighting	46,987	2,067	6,639	8,846	4,037	9,061	2,340	5,715	2,608	5,674
Office Equipment	19,397	847	3,422	3,645	1,767	3,468	703	2,255	1,030	2,260

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.