

Table B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	364	725	965	498	6,789	1,025	1,895	2,533	1,336
5,001 to 10,000	889	149	213	361	165	6,585	1,123	1,565	2,658	1,239
10,001 to 25,000	738	127	198	278	135	11,535	1,972	3,098	4,378	2,087
25,001 to 50,000	241	36	71	88	46	8,668	1,292	2,567	3,168	1,643
50,001 to 100,000	129	27	34	49	19	9,057	2,040	2,260	3,435	1,322
100,001 to 200,000	65	15	17	25	8	9,064	2,117	2,296	3,475	1,177
200,001 to 500,000	25	6	8	7	5	7,176	1,781	2,196	1,914	1,286
Over 500,000	7	2	1	2	2	5,908	1,556	1,203	1,928	1,221
Principal Building Activity										
Education	386	31	63	156	136	9,874	1,683	2,541	3,983	1,667
Food Sales	226	40	57	94	Q	1,255	238	320	487	Q
Food Service	297	37	88	127	45	1,654	172	453	764	265
Health Care	129	18	31	48	31	3,163	535	798	1,277	553
Inpatient	8	1	2	4	1	1,905	358	438	838	270
Outpatient	121	17	29	44	30	1,258	177	359	438	283
Lodging	142	27	34	52	30	5,096	1,171	1,144	1,694	1,087
Retail (Other Than Mall).....	443	76	111	197	60	4,317	630	880	1,844	963
Office	824	155	231	250	187	12,208	3,012	2,989	3,782	2,425
Public Assembly	277	63	57	92	65	3,939	1,048	1,012	1,174	706
Public Order and Safety	71	23	20	15	Q	1,090	362	221	373	Q
Religious Worship	370	52	107	158	53	3,754	627	1,115	1,498	515
Service	622	100	221	198	103	4,050	740	1,289	1,358	664
Warehouse and Storage	597	65	160	277	95	10,078	1,523	3,017	3,966	1,572
Other	79	17	31	21	9	1,738	649	316	Q	186
Vacant	182	23	55	88	Q	2,567	517	984	701	Q
Year Constructed										
Before 1920	330	122	139	47	21	3,769	1,406	1,552	516	295
1920 to 1945	527	121	163	152	91	6,871	2,504	2,099	1,348	920
1946 to 1959	562	105	157	161	138	7,045	2,094	2,027	1,795	1,128
1960 to 1969	579	108	131	192	148	8,101	1,737	2,229	2,538	1,597
1970 to 1979	731	71	196	297	167	10,772	1,723	3,237	3,726	2,086
1980 to 1989	707	97	163	351	95	10,332	1,374	1,949	4,768	2,241
1990 to 1999	876	69	228	411	168	12,360	1,370	2,746	6,241	2,004
2000 to 2003	334	31	90	163	51	5,533	698	1,240	2,557	1,038
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	204	445	N	206	10,622	2,416	5,615	N	2,591
5,500-7,000 HDD	1,173	329	641	N	202	17,335	5,398	9,867	N	2,070
4,000-5,499 HDD	673	193	Q	273	28	11,504	5,092	1,597	4,122	693
Fewer than 4,000 HDD	1,276	N	N	870	406	15,739	N	N	10,338	5,401
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	N	N	633	36	9,584	N	N	9,029	555
Number of Floors										
One	3,136	312	801	1,381	642	25,981	3,151	6,104	11,757	4,969
Two	1,031	230	328	289	183	16,270	3,029	5,177	4,946	3,118
Three	339	130	107	68	35	7,501	2,083	2,584	1,938	896
Four to Nine	128	50	29	33	16	10,085	3,003	2,660	3,094	1,328
Ten or More	12	4	2	4	3	4,947	1,640	555	1,754	999

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	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Elevators and Escalators (more than one may apply)										
Any Elevators	309	71	107	91	41	24,617	6,137	6,677	7,949	3,855
Number of Elevators										
One	208	45	82	58	24	8,221	1,585	3,084	2,475	1,077
Two to Five	88	22	23	28	14	10,129	2,971	2,704	3,094	1,360
Six or More	13	4	2	4	3	6,268	1,581	889	2,380	1,418
Any Escalators	6	2	Q	2	Q	2,350	541	Q	1,002	Q
Number of Workers (main shift)										
Fewer than 5	2,653	363	787	1,033	469	15,492	2,376	4,958	5,670	2,489
5 to 9	778	137	173	317	151	6,166	1,085	1,463	2,595	1,023
10 to 19	563	110	145	200	108	7,803	1,872	2,081	2,741	1,109
20 to 49	398	66	102	136	94	10,989	2,314	2,856	3,883	1,935
50 to 99	147	27	37	50	33	7,934	1,598	2,311	2,654	1,370
100 to 249	77	16	15	28	18	6,871	1,331	1,609	2,534	1,397
250 or More	30	7	6	10	6	9,528	2,329	1,800	3,413	1,986
Weekly Operating Hours										
Fewer than 40	1,002	112	309	410	172	6,863	923	2,300	2,544	1,096
40 to 48	1,117	158	283	438	238	11,622	2,111	2,783	4,567	2,161
49 to 60	1,062	184	289	378	210	15,723	3,098	4,614	5,556	2,455
61 to 84	591	114	155	215	107	10,334	2,048	2,583	3,754	1,950
85 to 167	400	73	108	155	63	7,092	1,317	2,008	2,459	1,308
Open Continuously	475	86	123	178	88	13,149	3,407	2,793	4,608	2,340
Ownership and Occupancy										
Nongovernment Owned	4,011	642	1,118	1,563	689	49,421	10,389	12,470	17,826	8,736
Owner Occupied	1,841	365	557	598	321	23,591	5,904	6,171	7,869	3,648
Nonowner Occupied	2,029	261	518	888	362	23,914	4,204	5,539	9,358	4,813
Unoccupied	141	Q	43	77	Q	1,916	Q	760	600	Q
Government Owned	635	84	149	212	190	15,363	2,517	4,610	5,662	2,574
Federal	46	Q	11	6	Q	1,956	Q	Q	521	Q
State	164	25	24	50	66	3,808	599	764	1,718	727
Local	425	51	114	156	103	9,599	1,706	2,925	3,423	1,545
Vacancy Status										
Completely Vacant	157	Q	47	84	Q	2,161	Q	892	652	Q
Mostly Vacant	25	Q	Q	Q	Q	406	Q	Q	Q	Q
Partially Vacant	548	100	138	213	98	12,382	3,117	3,119	4,061	2,085
Not At All Vacant	3,915	603	1,073	1,474	765	49,834	9,271	12,976	18,726	8,860
Number of Establishments										
One	3,754	559	1,047	1,444	704	45,144	8,061	12,359	16,947	7,776
2 to 5	643	130	157	215	141	10,960	2,517	2,803	3,740	1,900
6 to 10	55	12	12	16	15	1,958	571	510	550	327
11 to 20	23	5	2	9	7	1,951	722	301	589	340
More than 20	14	3	Q	7	3	2,609	696	Q	1,011	688
Currently Unoccupied	157	Q	47	84	Q	2,161	Q	892	652	Q

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	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Predominant Exterior Wall Material										
Brick, Stone or Stucco	2,044	331	520	789	403	32,817	7,248	9,248	11,574	4,747
Concrete (Block or Poured)	786	120	222	347	97	10,832	2,184	2,887	3,985	1,777
Concrete Panels	131	10	23	51	46	6,559	599	1,230	2,758	1,972
Siding or Shingles	779	193	233	202	150	4,120	1,193	1,183	1,045	698
Metal Panels	825	58	245	359	162	7,912	1,054	1,880	3,426	1,552
Window Glass	17	Q	Q	10	Q	1,024	Q	Q	280	Q
Other	47	Q	13	Q	Q	1,113	Q	303	Q	Q
No One Major Type	18	Q	Q	Q	Q	406	Q	Q	Q	Q
Predominant Roof Material										
Built-Up	1,036	176	252	387	221	21,170	4,068	5,262	7,430	4,411
Shingles (Not Wood)	1,325	260	412	442	211	10,195	2,022	3,199	3,325	1,649
Metal Surfacing	1,288	97	329	610	252	11,944	1,027	2,663	6,309	1,946
Synthetic or Rubber	511	119	198	134	60	14,730	4,116	4,443	4,298	1,873
Slate or Tile	263	41	35	109	77	2,462	480	306	1,056	620
Wooden Materials	122	Q	Q	53	39	887	Q	Q	301	244
Concrete	61	Q	Q	27	13	2,231	Q	Q	426	400
Other	16	Q	Q	Q	Q	598	Q	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	565	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation										
Since 1980	1,018	225	327	290	177	17,844	5,104	5,437	4,462	2,841
Addition or Annex	256	46	74	85	51	6,551	1,797	1,970	1,804	979
Reduction In Floorspace	22	8	Q	Q	Q	1,012	404	Q	Q	Q
Cosmetic Improvements	741	177	225	212	126	13,119	3,952	3,879	3,105	2,183
Wall or Roof Replacement	370	105	122	89	54	8,070	2,676	2,238	1,863	1,294
Interior Wall										
Re-Configuration	411	118	129	81	82	8,518	2,489	2,586	1,936	1,507
HVAC Equipment Upgrade	442	116	140	114	71	10,768	3,027	3,332	2,584	1,825
Lighting Upgrade	455	130	132	108	85	10,275	3,350	3,059	2,092	1,775
Window Replacement	310	108	86	51	65	6,354	2,750	1,847	916	842
Plumbing System Upgrade	315	93	86	69	68	7,144	2,511	1,898	1,366	1,369
Insulation Upgrade	227	69	72	50	36	4,015	1,370	1,212	857	576
Other Renovation	19	Q	Q	Q	Q	523	Q	Q	Q	Q
No Renovations Since 1980	1,710	304	459	560	388	18,714	4,360	5,708	5,462	3,185
Building Newer than 1980	1,917	197	481	925	314	28,225	3,441	5,935	13,565	5,283
Energy Sources (more than one may apply)										
Electricity	4,404	710	1,189	1,654	851	63,307	12,809	16,701	22,766	11,030
Natural Gas	2,391	397	802	714	479	43,468	9,181	13,163	13,311	7,813
Fuel Oil	451	254	76	84	37	15,157	6,080	2,832	4,122	2,123
District Heat	67	17	13	21	15	5,443	1,363	1,648	1,766	667
District Chilled Water	33	6	4	14	9	2,853	620	596	1,150	487
Propane	502	73	173	176	80	7,076	1,354	2,189	2,360	1,173
Other	132	26	42	28	37	1,401	222	505	306	367

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	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	672	1,112	1,462	735	60,028	12,596	16,331	20,998	10,102
Buildings with Cooling	3,625	519	957	1,479	671	56,940	10,954	14,484	21,553	9,950
Buildings with Water Heating	3,472	600	987	1,217	668	56,478	11,789	14,928	19,913	9,848
Buildings with Cooking	801	157	206	304	134	22,237	5,016	5,850	7,881	3,489
Buildings with Manufacturing	119	30	30	33	26	3,138	1,013	798	642	685
Buildings with Electricity Generation	149	42	40	41	26	12,821	3,245	3,317	4,017	2,241
Percent of Floorspace Heated										
Not Heated	663	54	154	312	143	4,756	309	748	2,491	1,208
1 to 50	523	74	117	236	95	6,850	1,387	1,130	2,841	1,491
51 to 99	498	84	141	168	105	8,107	1,539	1,727	2,891	1,950
100	2,962	514	853	1,059	535	45,071	9,671	13,474	15,266	6,661
Percent of Floorspace Cooled										
Not Cooled	1,020	208	309	296	208	7,843	1,952	2,596	1,936	1,359
1 to 50	985	184	293	366	142	16,598	4,270	4,757	4,915	2,656
51 to 99	629	97	197	195	140	13,211	3,101	3,761	3,903	2,446
100	2,011	237	467	918	388	27,132	3,582	5,966	12,735	4,849
Percent Lit When Open										
Zero	47	Q	Q	Q	Q	293	Q	Q	Q	Q
1 to 50	929	187	279	281	182	10,203	2,750	2,753	3,189	1,512
51 to 99	1,108	170	355	357	227	18,288	3,599	5,299	6,134	3,256
100	2,176	327	488	936	425	32,789	6,051	7,781	12,874	6,083
Building Never Open/ Electricity Not Used	386	37	140	171	37	3,210	465	1,227	1,108	Q
Percent Lit When Closed										
Zero	1,964	289	541	735	399	17,385	2,807	5,174	6,292	3,112
1 to 50	1,882	329	512	707	334	30,948	6,279	8,293	11,027	5,349
51 to 100	136	Q	29	61	33	2,093	Q	499	1,013	238
Building Never Closed/ Electricity Not Used	664	94	185	272	113	14,357	3,476	3,114	5,157	2,611
Heating Equipment (more than one may apply)										
Heat Pumps	476	47	45	304	80	8,814	1,213	1,058	4,942	1,600
Packaged Heat Pumps	278	30	27	173	48	5,442	744	738	2,928	1,031
Split-System Heat Pumps	166	Q	Q	113	Q	2,581	Q	Q	1,862	368
Individual Room Heat Pumps	58	5	6	33	13	2,691	544	358	1,250	538
Furnaces	1,864	310	736	467	352	19,615	3,596	7,229	5,715	3,075
Individual Space Heaters	819	122	242	271	185	12,545	2,786	4,169	3,608	1,981
District Heat	65	17	13	20	15	5,166	1,245	1,623	1,683	615
Boilers	579	227	175	88	89	20,423	6,228	6,141	4,393	3,662
Packaged Heating Units	953	95	151	532	175	18,021	2,912	3,666	8,130	3,312
Other	205	22	80	56	47	3,262	579	820	1,381	481

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All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	1,006	144	363	360	138	11,035	2,391	3,609	3,854	1,181
Heat Pumps	492	59	49	303	81	9,041	1,270	1,063	4,923	1,785
Packaged Heat Pumps	288	42	30	170	46	5,426	788	760	2,849	1,030
Split-System Heat Pumps	174	Q	Q	116	Q	2,606	Q	Q	1,868	404
Individual Room Heat Pumps	58	6	6	33	13	2,940	557	358	1,290	734
Individual Air Conditioners	742	179	209	229	125	12,558	3,687	3,488	3,635	1,749
District Chilled Water	33	6	4	14	9	2,853	620	596	1,150	487
Central Chillers	111	10	29	50	22	11,636	1,852	2,842	4,854	2,088
Packaged Air Conditioning										
Units	1,613	202	425	681	304	29,969	6,000	8,086	10,401	5,482
Swamp Coolers	122	Q	Q	Q	113	1,561	Q	Q	Q	1,342
Other	40	Q	10	12	Q	1,232	Q	330	430	Q
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	1,197	216	365	432	184	16,403	3,974	5,026	4,815	2,588
Cooling	1,356	266	376	481	233	20,995	5,453	5,752	6,415	3,374
Office Equipment (more than one may apply)										
Computers	3,081	504	814	1,120	643	55,627	11,518	14,415	19,715	9,980
With Flat Screen Monitors	877	189	216	305	166	26,417	5,995	6,346	9,135	4,940
Dedicated Servers	1,175	230	319	367	258	36,338	8,143	9,252	12,649	6,294
Laser Printers	1,970	344	505	718	403	33,012	7,095	8,463	11,566	5,888
Inkjet Printers	1,420	222	379	506	314	32,210	6,415	8,305	11,480	6,009
FAX Machines	2,715	474	701	1,006	533	52,373	11,173	13,295	18,782	9,123
Photocopiers	1,939	352	494	687	407	46,257	9,893	11,859	16,312	8,193
Number of Computers										
None	1,565	222	452	655	235	9,156	1,388	2,664	3,774	1,330
1 to 4	1,670	253	446	646	325	12,395	2,081	3,743	4,419	2,151
5 to 9	559	103	150	199	108	7,179	1,604	1,938	2,538	1,099
10 to 19	370	63	102	114	91	6,610	1,321	1,690	2,403	1,196
20 to 49	255	47	61	77	70	7,414	1,504	1,932	2,425	1,554
50 to 99	110	15	25	42	28	5,376	1,157	1,049	2,102	1,068
100 to 249	79	14	21	29	15	6,690	1,260	1,851	2,262	1,317
250 or More	38	9	9	13	6	9,963	2,590	2,213	3,565	1,595
Number of Dedicated Servers										
None	3,471	496	947	1,407	620	28,445	4,763	7,828	10,839	5,015
1 to 4	1,060	210	290	326	234	24,116	5,247	6,567	8,208	4,093
5 to 9	58	9	15	19	16	3,864	914	966	1,313	671
10 to 19	30	4	7	15	4	3,027	578	773	1,126	552
20 to 49	17	4	4	6	4	2,583	493	334	1,265	491
50 or More	10	3	Q	2	1	2,748	912	Q	737	487
Number of Photocopiers										
None	2,706	374	773	1,088	472	18,526	3,012	5,221	7,176	3,117
One	1,250	208	332	463	247	15,475	3,027	4,235	5,460	2,753
2 to 4	549	113	130	173	133	15,082	2,944	4,026	5,518	2,594
5 to 9	85	21	20	30	14	5,515	1,518	1,401	1,782	814
10 or More	54	11	11	20	13	10,185	2,404	2,196	3,553	2,032

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All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	799	157	206	303	134	22,223	5,016	5,850	7,880	3,478
Activities with Large Amounts of Hot Water	567	93	134	207	133	19,482	3,922	5,225	6,903	3,432
Separate Computer Area	553	99	134	190	130	26,873	5,925	6,482	9,397	5,070
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	62	107	180	116	19,597	3,780	5,001	7,348	3,468
Economizer Cycle	508	90	136	138	144	21,108	4,141	5,884	6,632	4,452
HVAC Maintenance	2,581	498	642	878	563	51,163	11,047	13,128	17,641	9,347
Energy Management and Control System (EMCS)	252	28	55	101	68	15,630	3,002	3,799	5,802	3,027
Window and Interior Lighting Features (more than one may apply)										
Multipaned Windows	2,201	427	742	651	381	38,910	9,308	11,761	12,305	5,536
Tinted Window Glass	1,323	140	339	572	272	29,887	4,958	7,319	11,950	5,660
Reflective Window Glass	308	47	77	103	81	8,544	1,661	2,165	3,010	1,707
External Overhangs or Awnings	1,233	149	352	463	269	17,242	2,687	4,225	6,785	3,545
Skylights or Atriums	331	57	90	110	74	12,546	2,892	3,267	3,922	2,466
Daylighting Sensors	74	Q	25	16	24	2,868	428	815	674	951
Specular Reflectors	928	160	291	282	195	26,118	5,834	7,709	7,871	4,703
Electronic Ballasts	2,577	384	767	896	530	46,882	9,288	12,610	16,459	8,525
Energy Management and Control System (EMCS) for Lighting	60	6	11	21	23	4,781	849	1,292	1,471	1,169
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a										
Heating	2,878	510	757	1,040	571	42,722	9,519	10,908	14,655	7,639
Cooling	2,761	416	676	1,129	539	43,205	8,812	10,469	16,094	7,829
Lighting	3,685	591	996	1,384	715	46,987	8,706	12,884	17,115	8,282
Office Equipment	1,504	263	386	556	298	19,397	4,269	5,412	6,426	3,291

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.

Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	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*	4,645	233	493	696	571	874	348	553	299	580
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	127	237	369	356	457	215	294	165	333
5,001 to 10,000	889	48	101	117	97	189	56	116	56	110
10,001 to 25,000	738	37	90	122	75	139	51	88	54	81
25,001 to 50,000	241	10	26	44	27	47	15	26	14	32
50,001 to 100,000	129	7	21	24	10	21	10	18	5	13
100,001 to 200,000	65	3	12	12	5	16	Q	8	Q	6
200,001 to 500,000	25	Q	6	6	1	4	Q	2	1	3
Over 500,000	7	Q	1	1	Q	1	Q	Q	Q	1
Principal Building Activity										
Education	386	Q	21	34	29	87	Q	56	39	97
Food Sales	226	Q	Q	43	Q	49	Q	Q	Q	Q
Food Service	297	Q	27	54	34	61	24	42	Q	34
Health Care	129	Q	17	20	11	27	11	10	13	18
Inpatient	8	Q	1	1	Q	Q	Q	1	Q	1
Outpatient	121	Q	Q	19	Q	25	Q	Q	Q	17
Lodging	142	Q	9	15	19	26	13	13	16	14
Retail (Other Than Mall).....	443	Q	46	69	42	106	42	49	21	39
Office	824	47	108	134	97	125	41	84	62	125
Public Assembly	277	Q	29	25	31	44	Q	38	Q	48
Public Order and Safety	71	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	370	Q	41	62	46	77	35	46	Q	33
Service	622	Q	79	95	126	101	51	46	42	61
Warehouse and Storage	597	Q	46	95	66	125	58	93	31	64
Other	79	Q	10	23	Q	Q	Q	Q	Q	Q
Vacant	182	Q	Q	24	Q	35	Q	37	Q	Q
Year Constructed										
Before 1920	330	54	69	82	57	31	Q	Q	Q	Q
1920 to 1945	527	27	95	97	66	51	40	61	Q	75
1946 to 1959	562	Q	79	96	61	87	32	41	Q	106
1960 to 1969	579	Q	75	69	62	107	33	52	63	85
1970 to 1979	731	26	45	112	84	128	71	98	67	100
1980 to 1989	707	32	65	88	74	186	48	117	41	54
1990 to 1999	876	Q	46	107	121	206	80	125	49	119
2000 to 2003	334	Q	20	44	46	78	37	47	19	32
Number of Floors										
One	3,136	91	221	412	389	668	262	450	225	417
Two	1,031	85	145	184	144	138	67	84	54	128
Three	339	37	93	78	29	41	14	12	13	22
Four to Nine	128	19	31	21	8	25	4	5	Q	10
Ten or More	12	Q	3	2	Q	Q	Q	1	Q	2
Elevators and Escalators (more than one may apply)										
Any Elevators	309	20	51	71	36	54	14	23	12	29
Number of Elevators										
One	208	13	31	52	30	34	9	15	9	15
Two to Five	88	5	17	17	6	18	4	6	3	11
Six or More	13	Q	3	1	Q	2	Q	1	Q	2
Any Escalators	6	Q	2	Q	Q	Q	Q	Q	Q	Q

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Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	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*	4,645	233	493	696	571	874	348	553	299	580
Number of Workers (main shift)										
Fewer than 5	2,653	131	232	398	390	473	238	322	164	305
5 to 9	778	40	97	104	69	159	53	105	40	111
10 to 19	563	32	78	85	60	113	22	64	40	67
20 to 49	398	17	49	68	34	70	26	40	36	57
50 to 99	147	Q	21	26	11	33	Q	13	12	21
100 to 249	77	Q	11	10	5	19	Q	5	5	14
250 or More	30	Q	6	5	1	6	Q	3	1	5
Weekly Operating Hours										
Fewer than 40	1,002	Q	73	163	146	196	95	119	57	115
40 to 48	1,117	52	106	134	149	210	78	150	87	151
49 to 60	1,062	50	134	174	115	199	72	107	59	151
61 to 84	591	35	79	86	69	109	35	71	39	68
85 to 167	400	Q	55	77	31	81	Q	56	20	43
Open Continuously	475	39	46	62	61	78	Q	51	36	52
Ownership and Occupancy										
Nongovernment Owned	4,011	200	442	618	500	765	308	489	239	450
Owner Occupied	1,841	119	246	312	246	305	110	182	108	213
Nonowner Occupied	2,029	80	181	284	234	428	187	273	130	231
Unoccupied	141	Q	Q	22	Q	Q	Q	Q	Q	Q
Government Owned	635	33	51	78	71	109	39	64	60	130
Federal	46	Q	Q	6	Q	2	Q	Q	Q	Q
State	164	Q	17	9	Q	27	15	Q	Q	59
Local	425	20	32	63	52	79	23	54	35	68
Vacancy Status										
Completely Vacant	157	Q	Q	22	Q	35	Q	35	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	548	41	59	70	68	93	48	72	41	56
Not At All Vacant	3,915	186	417	601	472	746	284	445	253	511
Number of Establishments										
One	3,754	182	376	571	476	704	308	432	242	462
2 to 5	643	42	88	94	63	116	20	79	46	95
6 to 10	55	Q	8	6	Q	10	Q	Q	Q	9
11 to 20	23	Q	Q	Q	Q	Q	Q	Q	Q	Q
More than 20	14	Q	3	Q	Q	Q	Q	2	Q	3
Currently Unoccupied	157	Q	Q	22	Q	35	Q	35	Q	Q
Predominant Exterior Wall Material										
Brick, Stone or Stucco	2,044	63	267	363	157	418	148	223	126	277
Concrete (Block or Poured)	786	13	106	148	74	175	74	98	31	66
Concrete Panels	131	Q	9	13	10	16	Q	31	10	36
Siding or Shingles	779	138	56	81	152	117	Q	51	Q	101
Metal Panels	825	Q	44	79	166	136	79	144	78	85
Window Glass	17	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other	47	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	18	Q	Q	Q	Q	Q	N	Q	Q	Q

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Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	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*	4,645	233	493	696	571	874	348	553	299	580
Predominant Roof Material										
Built-Up	1,036	34	142	165	88	211	57	119	72	149
Shingles (Not Wood)	1,325	125	134	237	175	234	101	107	65	147
Metal Surfacing	1,288	Q	69	112	217	244	132	234	121	131
Synthetic or Rubber	511	20	98	134	64	78	26	31	22	38
Slate or Tile	263	Q	31	29	Q	66	Q	20	Q	66
Wooden Materials	122	Q	Q	Q	Q	Q	Q	Q	Q	33
Concrete	61	Q	Q	Q	Q	Q	N	Q	Q	12
Other	16	Q	Q	Q	Q	Q	N	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	Q	N	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation										
Since 1980	1,018	82	143	184	143	137	67	86	62	115
Addition or Annex	256	Q	34	36	38	40	21	24	27	25
Reduction In Floorspace	22	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	741	57	120	119	105	95	53	64	41	85
Wall or Roof Replacement	370	50	56	66	56	29	30	30	15	39
Interior Wall										
Re-Configuration	411	48	70	73	57	32	23	26	33	49
HVAC Equipment Upgrade	442	40	76	73	67	52	23	38	25	46
Lighting Upgrade	455	48	82	70	62	60	21	27	29	56
Window Replacement	310	47	61	55	32	27	Q	16	20	44
Plumbing System Upgrade	315	36	56	47	39	43	9	17	26	42
Insulation Upgrade	227	Q	38	41	31	26	Q	16	Q	25
Other Renovation	19	Q	Q	Q	N	Q	Q	N	Q	Q
No Renovations Since 1980	1,710	84	220	272	187	266	116	178	128	260
Building Newer than 1980	1,917	67	131	240	241	470	165	290	108	205
Energy Sources (more than one may apply)										
Electricity	4,404	228	482	659	531	835	312	507	285	565
Natural Gas	2,391	74	323	546	255	308	155	251	190	289
Fuel Oil	451	122	132	35	41	59	15	11	10	27
District Heat	67	Q	12	8	Q	15	Q	Q	7	8
District Chilled Water	33	Q	6	3	Q	9	Q	3	Q	6
Propane	502	50	23	30	143	104	44	Q	41	Q
Other	132	Q	Q	19	22	Q	Q	Q	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	211	461	633	479	746	283	433	273	462
Buildings with Cooling	3,625	130	388	550	408	761	262	456	237	434
Buildings with Water Heating	3,472	188	411	572	415	643	227	347	256	413
Buildings with Cooking	801	53	104	131	75	149	59	96	46	88
Buildings with Manufacturing	119	Q	19	18	Q	16	Q	Q	Q	19
Buildings with Electricity Generation	149	12	30	26	14	26	Q	8	11	15
Percent of Floorspace Heated										
Not Heated	663	Q	Q	63	91	128	64	120	Q	118
1 to 50	523	Q	40	65	52	103	46	87	Q	68
51 to 99	498	28	56	83	58	85	29	54	28	76
100	2,962	149	365	484	369	558	209	292	218	318

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Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	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*	4,645	233	493	696	571	874	348	553	299	580
Percent of Floorspace Cooled										
Not Cooled	1,020	103	105	146	163	113	86	97	62	146
1 to 50	985	53	131	165	128	185	54	127	63	79
51 to 99	629	28	70	112	85	103	29	62	51	89
100	2,011	50	188	272	195	473	178	268	123	265
Percent Lit When Open										
Zero	47	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	929	71	116	149	130	134	50	97	55	127
51 to 99	1,108	73	97	194	161	175	54	128	77	150
100	2,176	79	248	284	204	497	183	256	148	277
Building Never Open/ Electricity Not Used	386	Q	Q	66	74	59	Q	68	Q	Q
Percent Lit When Closed										
Zero	1,964	103	185	254	287	388	120	227	137	262
1 to 50	1,882	84	245	325	187	344	144	219	112	222
51 to 100	136	Q	Q	21	Q	34	Q	20	Q	30
Building Never Closed/ Electricity Not Used	664	41	54	96	88	108	77	87	46	67
Heating Equipment (more than one may apply)										
Heat Pumps	476	Q	42	15	30	223	50	31	11	69
Packaged Heat Pumps	278	Q	27	11	Q	127	Q	26	Q	38
Split-System Heat Pumps	166	Q	Q	Q	Q	82	27	Q	Q	Q
Individual Room Heat Pumps	58	Q	4	Q	Q	26	Q	Q	Q	12
Furnaces	1,864	92	218	424	312	199	100	168	162	190
Individual Space Heaters	819	44	77	122	120	112	Q	81	69	117
District Heat	65	Q	12	8	Q	13	Q	Q	7	8
Boilers	579	85	142	117	58	51	17	21	37	52
Packaged Heating Units	953	22	74	92	59	248	97	187	46	129
Other	205	Q	9	42	39	38	Q	7	24	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	1,006	20	124	186	177	165	53	142	34	105
Heat Pumps	492	Q	48	21	28	225	51	27	15	66
Packaged Heat Pumps	288	Q	33	15	Q	126	Q	23	Q	35
Split-System Heat Pumps	174	Q	Q	Q	Q	84	28	Q	Q	Q
Individual Room Heat Pumps	58	Q	4	Q	Q	25	Q	Q	Q	12
Individual Air Conditioners	742	69	110	100	109	97	62	69	56	69
District Chilled Water	33	Q	6	3	Q	9	Q	3	Q	6
Central Chillers	111	3	6	18	11	31	8	11	6	16
Packaged Air Conditioning										
Units	1,613	42	160	280	145	325	116	240	99	205
Swamp Coolers	122	Q	Q	Q	N	Q	Q	Q	66	47
Other	40	Q	Q	10	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	1,197	61	155	214	151	212	89	131	74	109
Cooling	1,356	79	187	220	156	226	98	157	95	138

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Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	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*	4,645	233	493	696	571	874	348	553	299	580
Office Equipment (more than one may apply)										
Computers	3,081	155	349	465	349	581	192	346	205	438
With Flat Screen Monitors	877	65	124	132	84	153	51	101	60	106
Dedicated Servers	1,175	59	171	193	126	204	56	107	85	173
Laser Printers	1,970	109	235	276	229	339	143	235	114	289
Inkjet Printers	1,420	64	158	228	151	280	74	152	116	197
FAX Machines	2,715	135	339	413	289	521	164	321	179	354
Photocopiers	1,939	96	256	301	193	359	128	200	134	273
Number of Computers										
None	1,565	78	145	231	221	292	156	207	94	142
1 to 4	1,670	87	166	256	191	325	115	206	100	225
5 to 9	559	Q	82	82	68	93	40	66	35	73
10 to 19	370	26	37	51	51	67	Q	36	29	62
20 to 49	255	14	33	35	25	41	15	20	28	42
50 to 99	110	Q	13	19	6	29	Q	6	7	21
100 to 249	79	Q	11	13	8	19	Q	7	5	10
250 or More	38	2	7	8	1	8	Q	4	1	5
Number of Dedicated Servers										
None	3,471	174	322	503	444	669	292	446	213	407
1 to 4	1,060	54	156	171	119	175	52	99	83	151
5 to 9	58	Q	7	11	3	12	Q	Q	Q	15
10 to 19	30	Q	3	4	Q	13	Q	Q	Q	3
20 to 49	17	Q	3	Q	Q	3	Q	Q	Q	Q
50 or More	10	Q	2	Q	Q	1	Q	Q	Q	Q
Number of Photocopiers										
None	2,706	137	237	395	378	515	219	354	164	307
One	1,250	56	152	190	142	224	99	140	79	169
2 to 4	549	32	81	86	44	101	22	50	49	84
5 to 9	85	Q	14	16	5	19	Q	5	Q	11
10 or More	54	2	9	9	2	14	Q	5	3	9
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	799	53	104	131	75	148	59	96	46	88
Activities with Large Amounts of Hot Water	567	30	63	80	55	111	39	56	47	86
Separate Computer Area	553	29	69	84	51	104	29	57	37	93
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	22	40	71	35	101	21	58	38	79
Economizer Cycle	508	31	60	96	41	76	20	42	40	104
HVAC Maintenance	2,581	157	341	414	228	475	123	279	193	370
Energy Management and Control System (EMCS)	252	6	22	41	14	66	9	26	14	55

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Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	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*	4,645	233	493	696	571	874	348	553	299	580
Window and Interior Lighting Features (more than one may apply)										
Multipaned Windows	2,201	156	272	431	311	379	117	155	177	204
Tinted Window Glass	1,323	33	107	205	134	294	89	189	86	186
Reflective Window Glass	308	Q	30	43	34	53	12	38	28	53
External Overhangs or Awnings	1,233	48	102	195	157	221	83	158	100	169
Skylights or Atriums	331	16	41	57	33	57	Q	38	30	44
Daylighting Sensors	74	Q	2	20	Q	9	Q	Q	Q	19
Specular Reflectors	928	57	103	200	91	158	37	86	52	143
Electronic Ballasts	2,577	123	261	407	360	456	164	276	183	347
Energy Management and Control System (EMCS) for Lighting	60	Q	5	8	Q	16	Q	5	Q	Q
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a										
Heating	2,878	146	363	449	309	520	209	312	184	387
Cooling	2,761	102	314	394	282	558	201	371	179	360
Lighting	3,685	183	407	557	439	709	253	422	241	474
Office Equipment	1,504	73	190	226	160	292	83	181	96	202

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.

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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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
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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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
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										
Since 1980	17,844	1,445	3,659	3,492	1,945	2,304	884	1,273	1,095	1,746
Addition or Annex	6,551	Q	1,395	1,243	727	884	392	529	551	428
Reduction In Floorspace	1,012	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	13,119	943	3,010	2,354	1,525	1,497	677	931	718	1,465
Wall or Roof Replacement	8,070	720	1,955	1,367	871	961	340	562	504	789
Interior Wall										
Re-Configuration	8,518	639	1,850	1,709	877	1,036	334	566	637	870
HVAC Equipment Upgrade	10,768	739	2,287	2,136	1,197	1,559	464	561	776	1,049
Lighting Upgrade	10,275	853	2,497	1,985	1,074	1,186	440	466	733	1,042
Window Replacement	6,354	688	2,061	1,339	508	505	Q	266	332	510
Plumbing System Upgrade	7,144	633	1,878	1,177	721	782	262	323	517	852
Insulation Upgrade	4,015	356	1,014	700	512	468	Q	231	Q	411
Other Renovation	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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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
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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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
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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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
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.