

Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
All Buildings*	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	452	262	258	1,580	6,789	1,121	738	731	4,198
5,001 to 10,000	889	107	112	99	570	6,585	799	889	724	4,173
10,001 to 25,000	738	79	107	89	463	11,535	1,148	1,742	1,420	7,225
25,001 to 50,000	241	16	22	27	176	8,668	608	842	941	6,278
50,001 to 100,000	129	Q	13	13	98	9,057	Q	916	926	6,877
100,001 to 200,000	65	Q	5	6	52	9,064	Q	703	779	7,228
200,001 to 500,000	25	Q	Q	4	19	7,176	Q	Q	1,168	5,404
Over 500,000	7	Q	Q	2	4	5,908	Q	Q	1,418	3,688
Principal Building Activity										
Education	386	Q	Q	27	340	9,874	Q	Q	1,017	8,586
Food Sales	226	Q	Q	Q	130	1,255	Q	Q	Q	791
Food Service	297	Q	Q	52	211	1,654	Q	Q	292	1,113
Health Care	129	Q	Q	21	97	3,163	Q	Q	465	2,569
Inpatient	8	N	N	1	7	1,905	N	N	325	1,580
Outpatient	121	Q	Q	Q	90	1,258	Q	Q	Q	989
Lodging	142	Q	12	16	114	5,096	Q	234	605	4,155
Retail (Other Than Mall).....	443	Q	64	74	270	4,317	Q	657	787	2,631
Office	824	22	47	102	653	12,208	279	541	2,222	9,167
Public Assembly	277	Q	26	34	198	3,939	Q	259	590	2,928
Public Order and Safety	71	Q	Q	Q	58	1,090	Q	Q	Q	929
Religious Worship	370	Q	Q	39	295	3,754	Q	Q	404	2,897
Service	622	107	99	68	348	4,050	364	542	521	2,624
Warehouse and Storage	597	280	153	14	149	10,078	1,952	3,320	728	4,077
Other	79	Q	Q	Q	55	1,738	Q	Q	Q	1,473
Vacant	182	113	Q	Q	45	2,567	1,077	Q	Q	1,132
Year Constructed										
Before 1920	330	27	48	55	200	3,769	102	635	676	2,356
1920 to 1945	527	85	60	70	312	6,871	635	819	1,066	4,351
1946 to 1959	562	69	55	70	368	7,045	511	506	869	5,159
1960 to 1969	579	55	65	52	407	8,101	591	557	867	6,086
1970 to 1979	731	83	68	82	497	10,772	549	998	1,248	7,978
1980 to 1989	707	88	84	73	460	10,332	524	1,054	1,361	7,394
1990 to 1999	876	157	93	78	549	12,360	1,106	1,370	1,480	8,403
2000 to 2003	334	98	50	18	168	5,533	737	911	540	3,345
Census Region										
Northeast	726	54	74	84	514	12,905	309	1,387	1,539	9,671
Midwest	1,266	154	117	141	853	17,080	748	1,130	1,727	13,474
South	1,775	312	236	168	1,059	23,489	2,491	2,841	2,891	15,266
West	878	143	95	105	535	11,310	1,208	1,491	1,950	6,661
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	103	97	95	560	10,622	513	1,111	1,377	7,620
5,500-7,000 HDD	1,173	117	104	113	837	17,335	615	1,109	1,735	13,876
4,000-5,499 HDD	673	47	89	81	455	11,504	265	1,325	1,713	8,202
Fewer than 4,000 HDD	1,276	225	146	150	754	15,739	1,773	1,845	2,349	9,772
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	171	85	58	355	9,584	1,589	1,460	932	5,602

CONTINUED

Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
All Buildings*	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
Number of Floors										
One	3,136	570	353	292	1,921	25,981	3,237	3,336	2,534	16,875
Two	1,031	70	135	111	714	16,270	862	2,027	1,643	11,739
Three	339	Q	21	69	228	7,501	Q	749	1,049	5,401
Four to Nine	128	Q	13	22	91	10,085	Q	556	1,601	7,587
Ten or More	12	Q	Q	3	8	4,947	Q	Q	1,280	3,470
Number of Workers (main shift)										
Fewer than 5	2,653	573	352	251	1,477	15,492	3,311	2,406	1,318	8,457
5 to 9	778	46	80	98	555	6,166	344	918	858	4,046
10 to 19	563	27	56	68	412	7,803	394	1,049	843	5,517
20 to 49	398	Q	23	50	313	10,989	Q	1,106	1,240	8,476
50 to 99	147	Q	7	18	115	7,934	Q	641	980	6,028
100 to 249	77	Q	Q	7	66	6,871	Q	Q	743	5,696
250 or More	30	Q	Q	5	23	9,528	Q	Q	2,123	6,851
Weekly Operating Hours										
Fewer than 40	1,002	250	115	81	555	6,863	1,617	842	509	3,895
40 to 48	1,117	80	140	118	779	11,622	694	1,389	1,091	8,447
49 to 60	1,062	96	132	120	713	15,723	960	2,055	2,035	10,672
61 to 84	591	57	55	90	389	10,334	323	971	1,797	7,244
85 to 167	400	69	39	38	254	7,092	412	828	681	5,171
Open Continuously	475	111	41	50	273	13,149	750	765	1,994	9,641
Vacancy Status										
Completely Vacant	157	97	Q	Q	39	2,161	940	Q	Q	943
Mostly Vacant	25	Q	Q	Q	Q	406	Q	Q	Q	Q
Partially Vacant	548	116	74	62	296	12,382	891	1,367	2,307	7,817
Not At All Vacant	3,915	434	435	425	2,620	49,834	2,788	5,185	5,740	36,122
Energy Sources (more than one may apply)										
Electricity	4,404	432	520	498	2,953	63,307	3,315	6,829	8,107	45,055
Natural Gas	2,391	47	231	317	1,796	43,468	494	4,006	5,965	33,002
Fuel Oil	451	Q	62	56	325	15,157	Q	1,253	2,480	11,209
District Heat	67	Q	Q	5	60	5,443	Q	Q	636	4,716
District Chilled Water	33	Q	Q	3	28	2,853	Q	Q	342	2,328
Propane	502	Q	88	58	342	7,076	Q	1,178	1,009	4,602
Other	132	Q	Q	Q	104	1,401	Q	Q	Q	1,142
Space-Heating Energy Sources (more than one may apply)										
Electricity	1,766	N	275	229	1,261	28,600	N	4,077	4,355	20,168
Natural Gas	2,165	N	214	294	1,658	36,959	N	3,685	5,077	28,197
Fuel Oil	360	N	57	48	254	5,988	N	772	846	4,370
District Heat	65	N	Q	5	59	5,198	N	Q	631	4,541
Propane	372	N	64	41	266	3,204	N	587	344	2,272
Other	113	N	Q	Q	89	842	N	Q	Q	679

CONTINUED

Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
All Buildings*	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
Primary Space-Heating Energy Source										
Electricity	1,258	N	222	146	891	15,996	N	2,890	2,164	10,943
Natural Gas	1,999	N	192	272	1,534	32,970	N	3,029	4,707	25,233
Fuel Oil	282	N	42	41	199	3,818	N	565	459	2,793
District Heat	63	N	Q	5	57	4,907	N	Q	574	4,307
Propane	308	N	54	33	221	1,955	N	280	203	1,473
Other	72	N	Q	N	60	382	N	Q	N	322
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	N	523	498	2,962	60,028	N	6,850	8,107	45,071
Buildings with Cooling	3,625	156	425	448	2,596	56,940	1,752	6,013	7,768	41,407
Buildings with Water Heating	3,472	135	368	427	2,542	56,478	1,324	5,404	7,683	42,067
Buildings with Cooking	801	37	44	99	620	22,237	511	711	3,215	17,799
Buildings with Manufacturing	119	Q	24	Q	76	3,138	Q	812	Q	1,763
Buildings with Electricity Generation	149	Q	10	14	123	12,821	Q	576	2,102	9,957
Percent of Floorspace Cooled										
Not Cooled	1,020	507	97	49	366	7,843	3,004	836	339	3,664
1 to 50	985	51	373	93	469	16,598	745	5,201	1,906	8,746
51 to 99	629	30	17	322	260	13,211	322	300	5,399	7,189
100	2,011	76	35	33	1,867	27,132	684	512	463	25,472
Percent Lit When Open										
Zero	47	Q	Q	N	Q	293	Q	Q	N	Q
1 to 50	929	133	247	83	466	10,203	909	2,916	1,046	5,333
51 to 99	1,108	73	87	263	685	18,288	640	1,248	4,132	12,267
100	2,176	143	157	137	1,739	32,789	1,214	2,343	2,863	26,370
Building Never Open/ Electricity Not Used	386	276	Q	Q	68	3,210	1,767	Q	Q	1,068
Heating Equipment (more than one may apply)										
Heat Pumps	476	N	37	61	378	8,814	N	670	1,497	6,647
Packaged Heat Pumps	278	N	19	33	226	5,442	N	393	825	4,224
Split-System Heat Pumps	166	N	Q	22	127	2,581	N	Q	426	1,877
Individual Room Heat Pumps	58	N	Q	12	46	2,691	N	Q	587	2,086
Furnaces	1,864	N	240	241	1,383	19,615	N	2,852	2,597	14,165
Individual Space Heaters	819	N	178	114	527	12,545	N	2,055	1,943	8,547
District Heat	65	N	Q	5	58	5,166	N	Q	631	4,509
Boilers	579	N	30	77	472	20,423	N	792	3,110	16,521
Packaged Heating Units	953	N	109	138	706	18,021	N	2,390	2,546	13,085
Other	205	N	29	22	153	3,262	N	279	476	2,507
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	25	27	55	358	19,597	489	1,004	3,035	15,070
Economizer Cycle	508	Q	31	80	386	21,108	Q	942	3,420	16,466
HVAC Maintenance	2,581	90	234	332	1,925	51,163	1,351	4,542	6,910	38,359
Energy Management and Control System (EMCS)	252	Q	9	33	203	15,630	Q	541	2,502	12,414

CONTINUED

Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
All Buildings*	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a										
Heating	2,878	N	382	362	2,135	42,722	N	4,451	5,917	32,353
Cooling	2,761	111	324	352	1,974	43,205	1,228	4,350	6,118	31,508
Lighting	3,685	288	437	418	2,542	46,987	2,189	5,541	5,939	33,319
Office Equipment	1,504	58	186	164	1,095	19,397	759	2,244	2,118	14,277

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.

^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.