

Table B35. Percent of Floorspace Cooled, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled
All Buildings*	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	710	407	279	1,155	6,789	1,782	1,206	781	3,021
5,001 to 10,000	889	157	226	133	374	6,585	1,177	1,704	995	2,710
10,001 to 25,000	738	109	225	126	277	11,535	1,612	3,517	2,034	4,372
25,001 to 50,000	241	25	64	43	109	8,668	893	2,369	1,479	3,928
50,001 to 100,000	129	11	41	25	52	9,057	726	2,926	1,751	3,654
100,001 to 200,000	65	5	14	14	32	9,064	725	1,984	1,954	4,402
200,001 to 500,000	25	Q	6	7	10	7,176	Q	1,822	2,057	2,685
Over 500,000	7	Q	Q	2	3	5,908	Q	Q	2,159	2,360
Principal Building Activity										
Education	386	34	49	46	257	9,874	673	1,993	2,228	4,980
Food Sales	226	Q	38	69	104	1,255	Q	252	508	438
Food Service	297	Q	38	56	189	1,654	Q	276	359	948
Health Care	129	Q	Q	26	95	3,163	Q	Q	893	2,148
Inpatient	8	Q	Q	2	6	1,905	Q	Q	605	1,229
Outpatient	121	N	Q	25	89	1,258	N	Q	288	919
Lodging	142	Q	23	24	83	5,096	Q	Q	1,361	2,790
Retail (Other Than Mall).....	443	37	115	86	205	4,317	238	1,048	1,091	1,940
Office	824	34	97	143	549	12,208	176	1,093	3,508	7,432
Public Assembly	277	64	39	45	128	3,939	462	649	1,140	1,688
Public Order and Safety	71	Q	26	13	21	1,090	Q	184	221	638
Religious Worship	370	62	54	55	199	3,754	453	626	696	1,979
Service	622	252	231	44	95	4,050	789	2,151	435	675
Warehouse and Storage	597	330	213	Q	43	10,078	2,783	6,314	Q	652
Other	79	Q	31	4	22	1,738	Q	685	368	584
Vacant	182	130	23	Q	Q	2,567	1,731	523	Q	Q
Year Constructed										
Before 1920	330	98	95	50	87	3,769	878	1,320	728	842
1920 to 1945	527	146	107	79	196	6,871	1,952	1,990	1,445	1,484
1946 to 1959	562	132	125	81	224	7,045	999	2,083	1,490	2,473
1960 to 1969	579	112	131	64	272	8,101	976	2,202	1,734	3,189
1970 to 1979	731	121	146	133	331	10,772	799	2,751	2,112	5,110
1980 to 1989	707	129	151	90	335	10,332	496	2,061	2,324	5,450
1990 to 1999	876	181	165	97	433	12,360	1,056	3,000	2,421	5,883
2000 to 2003	334	100	65	35	133	5,533	686	1,190	956	2,701
Census Region										
Northeast	726	208	184	97	237	12,905	1,952	4,270	3,101	3,582
Midwest	1,266	309	293	197	467	17,080	2,596	4,757	3,761	5,966
South	1,775	296	366	195	918	23,489	1,936	4,915	3,903	12,735
West	878	208	142	140	388	11,310	1,359	2,656	2,446	4,849
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	277	207	118	253	10,622	2,072	3,133	2,327	3,089
5,500-7,000 HDD	1,173	290	245	184	453	17,335	2,810	4,657	3,568	6,300
4,000-5,499 HDD	673	91	195	92	295	11,504	558	3,422	3,297	4,227
Fewer than 4,000 HDD	1,276	273	215	162	626	15,739	1,762	3,480	2,803	7,693
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	88	123	74	384	9,584	641	1,906	1,215	5,822

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	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled
All Buildings*	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
Number of Floors										
One	3,136	795	607	361	1,372	25,981	4,562	7,975	3,508	9,936
Two	1,031	167	249	161	453	16,270	1,726	4,806	3,068	6,670
Three	339	49	92	72	126	7,501	1,064	1,626	1,629	3,182
Four to Nine	128	8	37	30	53	10,085	411	1,917	2,927	4,829
Ten or More	12	Q	Q	5	6	4,947	Q	Q	2,078	2,515
Number of Workers (main shift)										
Fewer than 5	2,653	907	555	259	932	15,492	5,901	3,819	1,438	4,334
5 to 9	778	53	176	122	428	6,166	440	2,046	1,077	2,603
10 to 19	563	40	130	103	289	7,803	499	2,999	1,347	2,958
20 to 49	398	12	82	98	206	10,989	423	3,361	2,629	4,576
50 to 99	147	8	31	22	86	7,934	506	2,034	1,585	3,810
100 to 249	77	Q	9	16	50	6,871	Q	1,152	1,696	3,958
250 or More	30	Q	2	8	19	9,528	Q	1,188	3,439	4,893
Weekly Operating Hours										
Fewer than 40	1,002	407	143	82	371	6,863	2,865	1,207	658	2,132
40 to 48	1,117	166	273	140	538	11,622	1,114	3,136	2,222	5,150
49 to 60	1,062	179	283	149	450	15,723	1,966	4,598	2,973	6,186
61 to 84	591	70	136	114	272	10,334	643	3,192	2,448	4,051
85 to 167	400	62	79	73	186	7,092	383	2,328	1,354	3,027
Open Continuously	475	137	71	71	195	13,149	872	2,137	3,555	6,585
Vacancy Status										
Completely Vacant	157	117	Q	Q	Q	2,161	1,577	Q	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	406	Q	Q	Q	Q
Partially Vacant	548	153	129	65	201	12,382	1,298	2,795	3,145	5,144
Not At All Vacant	3,915	736	832	557	1,789	49,834	4,814	13,280	9,992	21,747
Energy Sources (more than one may apply)										
Electricity	4,404	780	983	629	2,011	63,307	6,381	16,583	13,211	27,132
Natural Gas	2,391	238	601	402	1,150	43,468	2,444	12,132	9,732	19,159
Fuel Oil	451	152	120	57	121	15,157	1,267	3,384	4,493	6,013
District Heat	67	Q	9	9	37	5,443	Q	370	1,626	2,657
District Chilled Water	33	N	Q	5	27	2,853	N	Q	829	1,985
Propane	502	103	149	67	184	7,076	1,363	2,620	1,119	1,974
Other	132	54	37	19	22	1,401	176	503	304	418
Cooling Energy Sources (more than one may apply)										
Electricity	3,589	N	978	625	1,986	54,321	N	16,465	12,327	25,529
Natural Gas	17	N	Q	2	11	1,018	N	Q	360	541
District Chilled Water	33	N	Q	5	27	2,853	N	Q	829	1,985
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	513	934	599	1,936	60,028	4,839	15,852	12,888	26,448
Buildings with Cooling	3,625	N	985	629	2,011	56,940	N	16,598	13,211	27,132
Buildings with Water Heating	3,472	360	810	560	1,742	56,478	3,246	14,671	12,741	25,819
Buildings with Cooking	801	58	129	154	460	22,237	786	3,593	6,608	11,250
Buildings with Manufacturing	119	Q	59	10	23	3,138	Q	1,695	524	437
Buildings with Electricity Generation	149	Q	30	34	80	12,821	Q	1,839	4,225	6,683

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All Buildings*	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
Percent of Floorspace Heated										
Not Heated	663	507	51	30	76	4,756	3,004	745	322	684
1 to 50	523	97	373	17	35	6,850	836	5,201	300	512
51 to 99	498	49	93	322	33	8,107	339	1,906	5,399	463
100	2,962	366	469	260	1,867	45,071	3,664	8,746	7,189	25,472
Percent Lit When Open										
Zero	47	Q	Q	N	Q	293	Q	Q	N	Q
1 to 50	929	231	378	89	231	10,203	1,668	4,053	1,755	2,727
51 to 99	1,108	132	210	304	462	18,288	1,156	3,820	6,366	6,947
100	2,176	286	374	228	1,289	32,789	2,229	8,311	5,055	17,194
Building Never Open/ Electricity Not Used	386	330	Q	Q	Q	3,210	2,552	Q	Q	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	1,006	N	284	182	540	11,035	N	4,453	2,332	4,250
Heat Pumps	492	N	76	82	335	9,041	N	1,573	2,334	5,134
Packaged Heat Pumps	288	N	43	43	202	5,426	N	808	1,346	3,272
Split-System Heat Pumps	174	N	32	34	108	2,606	N	623	655	1,329
Individual Room Heat Pumps	58	N	Q	15	41	2,940	N	Q	895	1,728
Individual Air Conditioners	742	N	349	119	274	12,558	N	5,424	3,170	3,964
District Chilled Water	33	N	Q	5	27	2,853	N	Q	829	1,985
Central Chillers	111	N	9	31	72	11,636	N	462	4,304	6,870
Packaged Air Conditioning										
Units	1,613	N	348	313	952	29,969	N	8,900	7,331	13,738
Swamp Coolers	122	N	36	43	43	1,561	N	489	522	550
Other	40	N	Q	Q	22	1,232	N	Q	261	766
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	16	72	84	294	19,597	342	2,863	5,549	10,843
Economizer Cycle	508	N	78	128	303	21,108	N	3,062	6,716	11,331
HVAC Maintenance	2,581	253	547	419	1,362	51,163	3,228	12,648	11,627	23,660
Energy Management and Control System (EMCS)	252	5	27	53	167	15,630	272	1,823	4,934	8,601
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a										
Heating	2,878	366	698	432	1,382	42,722	2,857	11,363	9,666	18,835
Cooling	2,761	N	788	474	1,499	43,205	N	12,888	10,297	20,020
Lighting	3,685	563	866	530	1,727	46,987	4,399	13,673	9,368	19,548
Office Equipment	1,504	136	421	204	743	19,397	1,648	6,258	3,372	8,119

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.