

Table B30. Cooling Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Build-ings with Cooling	Cooling Energy Sources (more than one may apply)			All Build-ings*	Build-ings with Cooling	Cooling Energy Sources (more than one may apply)		
			Elec-tricity	Natural Gas	District Chilled Water			Elec-tricity	Natural Gas	District Chilled Water
All Buildings*	4,645	3,625	3,589	17	33	64,783	56,940	54,321	1,018	2,853
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	1,841	1,838	Q	Q	6,789	5,007	4,994	Q	Q
5,001 to 10,000	889	732	727	Q	Q	6,585	5,408	5,367	Q	Q
10,001 to 25,000	738	629	618	Q	Q	11,535	9,922	9,743	Q	Q
25,001 to 50,000	241	216	211	Q	6	8,668	7,776	7,557	Q	240
50,001 to 100,000	129	118	114	Q	5	9,057	8,331	8,086	Q	332
100,001 to 200,000	65	60	55	Q	6	9,064	8,339	7,657	Q	793
200,001 to 500,000	25	23	21	Q	2	7,176	6,565	6,112	Q	495
Over 500,000	7	6	5	Q	1	5,908	5,591	4,806	Q	822
Principal Building Activity										
Education	386	352	339	Q	14	9,874	9,200	8,406	Q	768
Food Sales	226	210	208	N	N	1,255	1,198	1,183	N	N
Food Service	297	283	283	Q	Q	1,654	1,583	1,570	Q	Q
Health Care	129	129	128	0	1	3,163	3,157	2,972	215	297
Inpatient	8	8	8	0	1	1,905	1,899	1,735	204	279
Outpatient	121	121	121	Q	Q	1,258	1,258	1,237	Q	Q
Lodging	142	130	129	Q	Q	5,096	4,841	4,746	Q	Q
Retail (Other Than Mall).....	443	406	405	Q	Q	4,317	4,079	4,040	Q	Q
Office	824	790	781	Q	9	12,208	12,032	11,192	Q	730
Public Assembly	277	213	210	Q	3	3,939	3,477	3,113	Q	458
Public Order and Safety	71	61	60	Q	Q	1,090	1,043	925	Q	Q
Religious Worship	370	308	308	Q	Q	3,754	3,301	3,301	Q	Q
Service	622	370	370	Q	N	4,050	3,261	3,261	Q	N
Warehouse and Storage	597	266	261	Q	Q	10,078	7,295	7,196	Q	Q
Other	79	57	56	Q	Q	1,738	1,636	1,577	Q	Q
Vacant	182	52	52	N	Q	2,567	836	836	N	Q
Year Constructed										
Before 1920	330	232	230	Q	Q	3,769	2,891	2,859	Q	Q
1920 to 1945	527	382	379	Q	Q	6,871	4,919	4,676	Q	Q
1946 to 1959	562	430	426	Q	4	7,045	6,045	5,727	Q	359
1960 to 1969	579	467	458	Q	4	8,101	7,125	6,737	Q	446
1970 to 1979	731	609	607	Q	5	10,772	9,973	9,715	Q	456
1980 to 1989	707	577	572	Q	5	10,332	9,836	9,392	Q	531
1990 to 1999	876	695	685	Q	8	12,360	11,304	10,528	Q	804
2000 to 2003	334	234	232	Q	Q	5,533	4,848	4,687	Q	Q
Census Region and Division										
Northeast	726	519	512	7	6	12,905	10,954	10,402	353	620
New England	233	130	130	Q	Q	2,964	2,021	1,946	Q	Q
Middle Atlantic	493	388	382	Q	6	9,941	8,932	8,456	Q	583
Midwest	1,266	957	951	Q	4	17,080	14,484	13,781	Q	596
East North Central	696	550	544	Q	3	11,595	9,790	9,157	Q	569
West North Central	571	408	407	Q	Q	5,485	4,694	4,625	Q	Q
South	1,775	1,479	1,467	Q	14	23,489	21,553	20,623	Q	1,150
South Atlantic	874	761	754	Q	9	12,258	11,474	10,969	Q	667
East South Central	348	262	260	Q	Q	3,393	2,985	2,820	Q	Q
West South Central	553	456	454	Q	3	7,837	7,094	6,834	Q	284
West	878	671	659	Q	9	11,310	9,950	9,515	Q	487
Mountain	299	237	235	Q	Q	3,675	3,267	3,186	Q	Q
Pacific	580	434	424	Q	6	7,635	6,683	6,328	Q	300

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	All Build-ings*	Build-ings with Cooling	Cooling Energy Sources (more than one may apply)			All Build-ings*	Build-ings with Cooling	Cooling Energy Sources (more than one may apply)		
			Elec-tricity	Natural Gas	District Chilled Water			Elec-tricity	Natural Gas	District Chilled Water
All Buildings*	4,645	3,625	3,589	17	33	64,783	56,940	54,321	1,018	2,853
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	578	575	Q	3	10,622	8,550	8,205	Q	350
5,500-7,000 HDD	1,173	882	871	7	4	17,335	14,524	13,843	355	698
4,000-5,499 HDD	673	582	574	Q	7	11,504	10,946	10,319	Q	514
Fewer than 4,000 HDD	1,276	1003	996	Q	10	15,739	13,977	13,508	Q	659
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	580	573	Q	9	9,584	8,943	8,446	Q	633
Number of Workers (main shift)										
Fewer than 5	2,653	1,746	1,738	Q	Q	15,492	9,591	9,528	Q	Q
5 to 9	778	725	724	Q	Q	6,166	5,726	5,630	Q	Q
10 to 19	563	523	520	Q	Q	7,803	7,304	7,234	Q	Q
20 to 49	398	386	377	Q	6	10,989	10,566	10,211	Q	327
50 to 99	147	139	132	Q	7	7,934	7,428	6,988	Q	505
100 to 249	77	76	71	Q	6	6,871	6,806	6,377	Q	583
250 or More	30	30	27	1	4	9,528	9,519	8,352	373	1,219
Weekly Operating Hours										
Fewer than 40	1,002	595	590	Q	Q	6,863	3,998	3,954	Q	Q
40 to 48	1,117	951	948	Q	Q	11,622	10,508	10,328	Q	Q
49 to 60	1,062	883	869	Q	6	15,723	13,757	13,048	Q	658
61 to 84	591	521	516	Q	6	10,334	9,691	9,274	Q	347
85 to 167	400	338	330	Q	7	7,092	6,708	6,151	Q	604
Open Continuously	475	338	335	2	4	13,149	12,277	11,567	499	753
Energy Sources (more than one may apply)										
Electricity	4,404	3,623	3,589	17	33	63,307	56,925	54,321	1,018	2,853
Natural Gas	2,391	2,153	2,133	17	17	43,468	41,023	39,286	1,018	1,765
Fuel Oil	451	298	294	2	3	15,157	13,890	13,036	488	986
District Heat	67	55	32	Q	25	5,443	4,653	2,674	Q	2,311
District Chilled Water	33	33	9	Q	33	2,853	2,853	924	Q	2,853
Propane	502	399	399	Q	Q	7,076	5,713	5,666	Q	Q
Other	132	78	72	Q	Q	1,401	1,225	1,130	Q	Q
Primary Space-Heating Energy Source										
Electricity	1,258	1,188	1,186	Q	Q	15,996	15,562	15,442	Q	Q
Natural Gas	1,999	1,794	1,783	16	5	32,970	30,808	30,167	918	339
Fuel Oil	282	161	161	Q	Q	3,818	2,836	2,813	Q	Q
District Heat	63	52	30	Q	23	4,907	4,147	2,353	Q	2,165
Propane	308	245	244	N	Q	1,955	1,553	1,542	N	Q
Other	72	31	29	N	N	382	282	267	N	N
Water-Heating Energy Sources (more than one may apply)										
Electricity	1,910	1,708	1,701	Q	9	27,490	26,028	25,459	Q	745
Natural Gas	1,445	1,326	1,312	10	14	28,820	27,379	26,280	937	1,023
Fuel Oil	94	62	60	Q	Q	1,880	1,591	1,569	Q	Q
District Heat	27	25	15	Q	10	3,088	2,987	1,852	Q	1,205
Propane	128	109	109	N	Q	1,422	1,252	1,241	N	Q

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			Elec-tricity	Natural Gas	District Chilled Water			Elec-tricity	Natural Gas	District Chilled Water
All Buildings*	4,645	3,625	3,589	17	33	64,783	56,940	54,321	1,018	2,853
Cooking Energy Sources (more than one may apply)										
Electricity	410	378	374	5	4	13,161	12,695	12,058	460	936
Natural Gas	457	444	441	5	3	15,438	15,127	14,299	634	900
Propane	108	85	85	N	Q	1,460	1,263	1,249	N	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	3,469	3,434	17	32	60,028	55,188	52,584	1,018	2,734
Buildings with Cooling	3,625	3,625	3,589	17	33	56,940	56,940	54,321	1,018	2,853
Buildings with Water Heating	3,472	3,112	3,080	15	31	56,478	53,232	50,669	1,007	2,655
Buildings with Cooking	801	743	738	7	6	22,237	21,451	20,333	767	1,274
Buildings with Manufacturing	119	92	91	Q	Q	3,138	2,655	2,627	Q	Q
Buildings with Electricity Generation	149	144	140	2	5	12,821	12,746	11,541	456	1,272
Percent of Floorspace Cooled										
Not Cooled	1,020	N	N	N	N	7,843	N	N	N	N
1 to 50	985	985	978	Q	Q	16,598	16,598	16,465	Q	Q
51 to 99	629	629	625	2	5	13,211	13,211	12,327	360	829
100	2,011	2,011	1,986	11	27	27,132	27,132	25,529	541	1,985
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	1,006	1,006	1,005	Q	Q	11,035	11,035	10,946	Q	Q
Heat Pumps	492	492	492	8	1	9,041	9,041	9,030	325	251
Packaged Heat Pumps	288	288	287	Q	Q	5,426	5,426	5,415	Q	Q
Split-System Heat Pumps	174	174	174	Q	Q	2,606	2,606	2,606	Q	Q
Individual Room Heat Pumps	58	58	58	Q	Q	2,940	2,940	2,940	Q	Q
Individual Air Conditioners	742	742	742	Q	2	12,558	12,558	12,558	Q	439
District Chilled Water	33	33	9	Q	33	2,853	2,853	924	Q	2,853
Central Chillers	111	111	106	5	Q	11,636	11,636	11,054	782	Q
Packaged Air Conditioning										
Units	1,613	1,613	1,612	4	4	29,969	29,969	29,756	554	511
Swamp Coolers	122	122	122	Q	Q	1,561	1,561	1,561	Q	Q
Other	40	40	30	Q	Q	1,232	1,232	1,091	Q	Q

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.

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.

Note: 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.