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Table B30. Cooling energy sources, number of buildings and floorspace, 2012

	Number of buildings (thousand)					Total floorspace (million square feet)				
	All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)			All buildings	Buildings with cooling	Cooling energy sources used (more than one may apply)		
			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Building floorspace (square feet)										
1,001 to 5,000	2,777	2,062	2,054	Q	Q	8,041	6,124	6,107	Q	Q
5,001 to 10,000	1,229	1,004	996	Q	Q	8,900	7,304	7,252	Q	Q
10,001 to 25,000	884	774	764	Q	9	14,105	12,357	12,211	Q	145
25,001 to 50,000	332	302	296	Q	Q	11,917	10,813	10,615	Q	Q
50,001 to 100,000	199	187	179	Q	10	13,918	13,069	12,618	Q	567
100,001 to 200,000	90	88	81	Q	9	12,415	12,152	11,034	Q	1,273
200,001 to 500,000	38	37	35	Q	4	10,724	10,518	9,887	Q	1,064
Over 500,000	8	8	7	(*)	1	7,074	6,958	6,310	167	1,306
Principal building activity										
Education	389	361	338	Q	25	12,239	11,811	10,673	Q	1,292
Food sales	177	165	165	N	N	1,252	1,190	1,190	N	N
Food service	380	358	356	N	Q	1,819	1,712	1,668	N	Q
Health care	157	154	153	(*)	Q	4,155	4,148	3,966	200	523
Inpatient	10	10	9	(*)	1	2,374	2,374	2,227	176	477
Outpatient	147	145	143	Q	Q	1,781	1,774	1,739	Q	Q
Lodging	158	145	142	Q	Q	5,826	5,700	5,308	Q	Q
Mercantile	602	560	560	Q	N	11,330	11,121	11,121	Q	N
Retail (other than mall)	438	396	396	N	N	5,439	5,230	5,230	N	N
Enclosed and strip malls	164	164	164	Q	N	5,890	5,890	5,890	Q	N
Office	1,012	995	985	Q	10	15,952	15,882	15,179	Q	1,096
Public assembly	352	295	291	N	5	5,559	5,235	4,629	N	880
Public order and safety	84	74	74	Q	Q	1,440	1,384	1,358	Q	Q
Religious worship	412	375	375	N	Q	4,557	4,271	4,271	N	Q
Service	619	435	435	N	N	4,630	3,773	3,758	N	N
Warehouse and storage	796	391	388	Q	N	13,077	10,120	10,059	Q	N
Other	125	90	89	Q	Q	2,002	1,820	1,806	Q	Q
Vacant	296	63	62	N	Q	3,256	1,125	1,048	N	Q
Year constructed										
Before 1920	362	275	272	N	Q	3,983	3,087	2,908	N	Q
1920 to 1945	488	367	366	Q	Q	6,025	5,215	5,081	Q	Q
1946 to 1959	599	477	472	Q	Q	7,381	6,679	6,569	Q	203
1960 to 1969	639	538	528	Q	11	10,362	9,634	8,962	Q	923
1970 to 1979	684	563	555	Q	9	10,846	10,031	9,440	Q	811
1980 to 1989	915	730	727	Q	3	15,230	14,011	13,830	Q	310
1990 to 1999	845	663	654	Q	10	13,803	12,402	11,924	Q	664
2000 to 2003	375	321	315	Q	5	7,215	6,939	6,463	Q	Q
2004 to 2007	347	293	290	Q	6	6,524	6,071	5,722	Q	418
2008 to 2012	303	235	232	Q	Q	5,723	5,225	5,135	Q	Q

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			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Census region and division										
Northeast	805	592	583	6	7	15,534	13,949	13,303	305	794
New England	302	187	183	Q	Q	4,302	3,482	3,317	Q	Q
Middle Atlantic	504	405	400	3	Q	11,232	10,467	9,986	216	656
Midwest	1,237	970	967	Q	2	18,919	17,144	16,826	Q	585
East North Central	735	601	599	Q	2	12,742	11,675	11,474	Q	420
West North Central	502	370	369	Q	Q	6,178	5,469	5,352	Q	Q
South	2,247	1,891	1,861	Q	35	34,279	31,734	29,950	Q	2,479
South Atlantic	1,091	935	917	Q	22	17,981	17,094	16,368	Q	1,202
East South Central	370	335	329	Q	Q	4,904	4,710	4,307	Q	Q
West South Central	786	621	616	Q	6	11,394	9,931	9,275	Q	773
West	1,267	1,007	1,001	Q	9	18,360	16,467	15,955	Q	749
Mountain	338	259	258	Q	1	4,981	4,489	4,205	Q	Q
Pacific	929	748	743	Q	8	13,379	11,978	11,749	Q	329
Climate region¹										
Very cold/Cold	2,031	1,497	1,488	8	7	31,898	28,228	27,377	403	1,227
Mixed-humid	1,743	1,482	1,467	3	18	27,873	26,365	24,968	272	2,027
Mixed-dry/Hot-dry	837	682	679	Q	7	12,037	10,887	10,490	Q	Q
Hot-humid	799	699	680	Q	21	12,831	11,624	11,043	Q	752
Marine	147	101	99	Q	Q	2,454	2,190	2,157	Q	Q
Number of workers (main shift)										
Fewer than 5	2,892	1,932	1,918	Q	Q	17,751	11,595	11,383	Q	Q
5 to 9	1,085	999	994	N	Q	8,973	8,238	8,177	N	Q
10 to 19	731	699	696	N	Q	9,623	9,190	9,070	N	Q
20 to 49	513	498	486	Q	9	14,514	14,219	13,707	Q	505
50 to 99	206	203	197	Q	9	13,476	13,323	12,844	Q	683
100 to 249	93	93	87	Q	6	10,941	10,913	10,076	Q	982
250 or more	37	37	35	1	5	11,815	11,815	10,777	378	1,986
Weekly operating hours										
Fewer than 40	1,149	690	689	Q	Q	8,220	5,083	4,986	Q	Q
40 to 48	1,346	1,168	1,154	Q	12	15,828	14,512	14,078	Q	521
49 to 60	1,244	1,084	1,075	Q	10	20,529	19,297	18,670	Q	805
61 to 84	764	669	662	Q	9	15,867	15,170	14,763	Q	524
85 to 167	479	419	409	Q	12	9,395	8,864	8,451	Q	606
Open continuously	575	431	423	Q	11	17,253	16,368	15,087	329	2,005
Ownership and occupancy										
Nongovernment owned	4,781	3,817	3,802	11	17	67,550	60,960	59,329	542	2,104
Owner occupied	2,466	2,046	2,038	Q	14	30,637	28,174	26,984	147	1,478
Leased to tenant(s)	1,745	1,421	1,415	Q	2	26,115	23,907	23,688	Q	297
Owner occupied and leased	349	324	322	Q	1	8,873	8,602	8,379	Q	329
Unoccupied	221	26	26	N	N	1,925	278	278	N	N
Government owned	776	644	611	Q	37	19,543	18,334	16,705	Q	2,504
Federal	33	33	32	Q	Q	1,573	1,573	1,403	Q	Q
State	185	159	142	Q	20	5,539	5,252	4,086	Q	1,448
Local	558	452	437	Q	16	12,431	11,508	11,217	Q	612

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			Elec-tricity	Natural gas	District chilled water			Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Energy sources (more than one may apply)										
Electricity	5,234	4,461	4,413	12	54	84,869	79,294	76,034	732	4,608
Natural gas	2,933	2,700	2,679	12	21	58,725	56,899	55,138	732	2,431
Fuel oil	467	360	355	1	8	20,200	19,309	18,259	364	2,134
District heat	48	44	23	Q	26	5,964	5,903	3,429	Q	3,730
District chilled water	54	54	13	Q	54	4,608	4,608	1,586	Q	4,608
Propane	510	420	416	Q	Q	7,706	7,061	6,814	Q	Q
Other	172	126	125	Q	Q	3,826	3,573	3,490	Q	Q
Primary space-heating energy source										
Electricity	1,819	1,728	1,712	Q	20	26,205	25,613	25,317	Q	418
Natural gas	2,322	2,126	2,116	10	6	42,988	41,435	40,980	703	437
Fuel oil	205	135	135	N	N	2,542	1,984	1,984	N	N
District heat	47	43	23	Q	26	5,797	5,736	3,274	Q	3,698
Propane	261	207	207	N	N	1,948	1,643	1,643	N	N
Other	67	33	33	N	Q	598	425	416	N	Q
Water-heating energy sources (more than one may apply)										
Electricity	2,658	2,481	2,460	Q	27	42,755	41,520	40,675	Q	1,381
Natural gas	1,758	1,646	1,632	7	15	39,523	38,464	37,575	663	1,155
Fuel oil	77	58	58	Q	Q	1,911	1,705	1,705	Q	Q
District heat	25	24	14	Q	13	4,551	4,527	2,668	Q	2,783
Propane	142	120	120	N	N	1,575	1,413	1,413	N	N
Cooking energy sources (more than one may apply)										
Electricity	1,010	962	959	(*)	6	25,151	24,665	24,152	170	1,407
Natural gas	740	712	707	1	6	24,770	24,434	23,744	294	1,175
Propane	144	121	120	N	Q	2,001	1,849	1,833	N	Q
Energy end uses (more than one may apply)										
Buildings with space heating	4,722	4,272	4,226	12	51	80,078	76,834	73,613	732	4,561
Buildings with cooling	4,461	4,461	4,413	12	54	79,294	79,294	76,034	732	4,608
Buildings with water heating	4,423	4,097	4,054	10	51	79,015	76,414	73,215	724	4,511
Buildings with cooking	1,589	1,497	1,491	1	9	38,546	37,687	36,626	298	2,084
Buildings with manufacturing	259	217	217	Q	Q	5,078	4,682	4,682	Q	Q
Buildings with electricity generation	410	386	377	2	12	25,642	25,350	23,770	437	2,731
Percent of floorspace cooled										
Not cooled	1,096	N	N	N	N	7,799	N	N	N	N
1 to 50	1,173	1,173	1,172	Q	Q	18,891	18,891	18,815	Q	Q
51 to 99	897	897	885	1	18	22,728	22,728	21,607	166	1,953
100	2,391	2,391	2,355	9	36	37,676	37,676	35,612	415	2,569

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	All buildings	Buildings with cooling	Elec-tricity	Natural gas	District chilled water	All buildings	Buildings with cooling	Elec-tricity	Natural gas	District chilled water
All buildings	5,557	4,461	4,413	12	54	87,093	79,294	76,034	732	4,608
Cooling equipment (more than one may apply)										
Residential-type central air conditioners	1,546	1,546	1,546	Q	Q	14,765	14,765	14,765	Q	Q
Heat pumps	692	692	692	Q	Q	12,538	12,538	12,538	Q	268
Individual air conditioners	709	709	709	Q	2	12,420	12,420	12,420	174	636
District chilled water	54	54	13	Q	54	4,608	4,608	1,586	Q	4,608
Central chillers	163	163	162	5	1	17,041	17,041	16,872	629	393
Packaged air conditioning units	1,909	1,909	1,903	8	7	45,153	45,153	45,047	389	833
Swamp coolers	109	109	109	Q	Q	1,918	1,918	1,918	Q	Q
Other	Q	Q	Q	Q	Q	328	328	328	Q	Q

¹These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.

N = No cases in reporting sample.

(*) = Value rounds to zero in the units displayed.

Notes: ● Because of rounding, data may not sum to totals. ● See *Guide to the 2012 CBECS Detailed Tables* or *CBECS Terminology* for definition of terms used in these tables and/or comparison of differences with prior CBECS tables. Both references can be accessed from <http://www.eia.gov/consumption/commercial/data/2012/>

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-871A of the 2012 Commercial Buildings Energy Consumption Survey.