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Table B31. Water-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	5,557	4,423	2,658	1,758	77	25	142
Building floorspace (square feet)							
1,001 to 5,000	2,777	2,032	1,304	684	Q	Q	58
5,001 to 10,000	1,229	992	594	384	Q	Q	47
10,001 to 25,000	884	775	431	351	Q	Q	26
25,001 to 50,000	332	307	167	157	Q	Q	Q
50,001 to 100,000	199	186	94	109	Q	6	Q
100,001 to 200,000	90	86	46	49	2	6	Q
200,001 to 500,000	38	36	18	21	1	4	Q
Over 500,000	8	8	4	4	(*)	2	Q
Principal building activity							
Education	389	332	159	167	11	7	Q
Food sales	177	177	115	59	Q	N	Q
Food service	380	379	155	216	Q	Q	27
Health care	157	156	93	65	2	2	Q
Inpatient	10	10	2	7	1	1	Q
Outpatient	147	146	90	58	Q	Q	Q
Lodging	158	158	55	91	Q	3	Q
Mercantile	602	531	400	194	Q	Q	Q
Retail (other than mall)	438	367	263	101	Q	Q	Q
Enclosed and strip malls	164	164	137	93	Q	Q	Q
Office	1,012	943	614	323	Q	8	Q
Public assembly	352	317	160	135	Q	3	Q
Public order and safety	84	80	46	28	Q	Q	Q
Religious worship	412	383	233	144	Q	N	Q
Service	619	442	273	161	Q	Q	Q
Warehouse and storage	796	370	264	117	Q	N	Q
Other	125	98	66	31	Q	Q	Q
Vacant	296	56	26	27	Q	Q	Q
Year constructed							
Before 1920	362	286	173	104	Q	2	Q
1920 to 1945	488	383	187	176	Q	4	Q
1946 to 1959	599	460	267	189	Q	2	Q
1960 to 1969	639	540	278	269	14	5	Q
1970 to 1979	684	577	342	245	Q	4	Q
1980 to 1989	915	727	495	243	Q	1	21
1990 to 1999	845	631	377	249	Q	2	30
2000 to 2003	375	312	204	108	Q	Q	Q
2004 to 2007	347	275	189	93	Q	Q	Q
2008 to 2012	303	231	145	83	Q	Q	Q

Table B31. Water-heating energy sources, number of buildings, 2012

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	Water-heating energy sources used (more than one may apply)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	5,557	4,423	2,658	1,758	77	25	142
Census region and division							
Northeast	805	671	324	291	69	9	37
New England	302	235	127	55	46	Q	28
Middle Atlantic	504	436	197	236	23	Q	Q
Midwest	1,237	1,014	525	493	Q	5	31
East North Central	735	629	295	350	Q	2	Q
West North Central	502	385	230	143	Q	Q	24
South	2,247	1,740	1,242	527	Q	7	42
South Atlantic	1,091	856	665	202	Q	Q	21
East South Central	370	325	238	92	Q	Q	Q
West South Central	786	560	339	233	Q	Q	Q
West	1,267	997	567	447	Q	4	32
Mountain	338	260	130	129	Q	Q	Q
Pacific	929	737	437	317	Q	3	Q
Climate region¹							
Very cold/Cold	2,031	1,639	838	748	64	10	71
Mixed-humid	1,743	1,445	944	521	12	10	37
Mixed-dry/Hot-dry	837	635	358	290	Q	Q	Q
Hot-humid	799	590	459	136	Q	Q	Q
Marine	147	113	58	63	Q	Q	N
Number of workers (main shift)							
Fewer than 5	2,892	1,917	1,207	644	39	Q	71
5 to 9	1,085	977	606	354	Q	Q	37
10 to 19	731	700	376	339	Q	Q	23
20 to 49	513	495	290	239	Q	5	Q
50 to 99	206	203	115	110	Q	4	Q
100 to 249	93	93	45	55	2	6	Q
250 or more	37	37	20	17	1	5	Q
Weekly operating hours							
Fewer than 40	1,149	703	445	239	Q	Q	Q
40 to 48	1,346	1,107	722	381	23	Q	21
49 to 60	1,244	1,063	650	412	Q	6	36
61 to 84	764	676	408	299	Q	4	19
85 to 167	479	428	225	213	Q	4	Q
Open continuously	575	447	208	213	18	9	25

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Ownership and occupancy							
Nongovernment owned	4,781	3,791	2,323	1,482	63	13	120
Owner occupied	2,466	2,048	1,195	806	45	10	86
Leased to tenant(s)	1,745	1,401	904	541	Q	1	27
Owner occupied and leased	349	316	213	121	Q	2	Q
Unoccupied	221	26	Q	Q	N	N	Q
Government owned	776	632	335	275	14	12	22
Federal	33	33	18	14	Q	1	Q
State	185	146	75	66	Q	10	Q
Local	558	452	242	195	12	2	Q
Energy sources (more than one may apply)							
Electricity	5,234	4,423	2,658	1,758	77	25	142
Natural gas	2,933	2,742	1,180	1,758	9	9	Q
Fuel oil	467	411	240	106	77	7	11
District heat	48	45	16	9	Q	25	Q
District chilled water	54	51	27	15	Q	13	N
Propane	510	466	283	43	29	Q	142
Other	172	141	78	45	Q	Q	Q
Primary space-heating energy source							
Electricity	1,819	1,599	1,315	319	Q	Q	24
Natural gas	2,322	2,148	911	1,378	5	Q	Q
Fuel oil	205	169	104	Q	61	N	Q
District heat	47	44	16	9	Q	25	N
Propane	261	234	138	Q	N	N	101
Other	67	44	28	Q	Q	N	Q
Cooking energy sources (more than one may apply)							
Electricity	1,010	997	604	422	22	5	37
Natural gas	740	739	268	576	7	3	Q
Propane	144	142	77	5	17	N	58
Energy end uses (more than one may apply)							
Buildings with space heating	4,722	4,237	2,512	1,722	76	25	133
Buildings with cooling	4,461	4,097	2,481	1,646	58	24	120
Buildings with water heating	4,423	4,423	2,658	1,758	77	25	142
Buildings with cooking	1,589	1,573	810	795	41	7	76
Buildings with manufacturing	259	228	145	84	Q	Q	Q
Buildings with electricity generation	410	395	200	184	20	11	20

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All buildings	5,557	4,423	2,658	1,758	77	25	142
Water-heating equipment							
Centralized system	3,348	3,348	1,901	1,367	63	19	106
Distributed system	690	690	508	182	Q	3	Q
Combination of centralized and distributed system	385	385	250	209	7	4	14

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.