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Table B32. Water-heating energy sources, floorspace, 2012

	Total floorspace (million square feet)						
	All buildings	Buildings with water heating	Electricity	Natural gas	Fuel oil	District heat	Propane
All buildings	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Building floorspace (square feet)							
1,001 to 5,000	8,041	6,102	3,881	2,081	Q	Q	171
5,001 to 10,000	8,900	7,236	4,348	2,809	Q	Q	321
10,001 to 25,000	14,105	12,401	6,926	5,657	Q	Q	376
25,001 to 50,000	11,917	11,007	5,975	5,643	Q	Q	Q
50,001 to 100,000	13,918	13,063	6,672	7,528	Q	425	Q
100,001 to 200,000	12,415	11,903	6,162	6,819	238	965	Q
200,001 to 500,000	10,724	10,351	5,005	5,995	370	1,318	Q
Over 500,000	7,074	6,951	3,786	2,990	215	1,652	Q
Principal building activity							
Education	12,239	11,905	4,160	7,712	638	842	Q
Food sales	1,252	1,252	776	672	Q	N	Q
Food service	1,819	1,817	750	1,026	Q	Q	135
Health care	4,155	4,153	1,309	2,587	345	576	Q
Inpatient	2,374	2,374	401	1,688	248	489	Q
Outpatient	1,781	1,779	908	899	Q	Q	Q
Lodging	5,826	5,821	1,122	4,267	Q	573	Q
Mercantile	11,330	10,960	8,922	5,490	Q	Q	Q
Retail (other than mall)	5,439	5,070	3,721	1,642	Q	Q	Q
Enclosed and strip malls	5,890	5,890	5,201	3,848	Q	Q	Q
Office	15,952	15,663	9,572	6,015	Q	1,368	Q
Public assembly	5,559	5,318	2,094	2,813	Q	742	Q
Public order and safety	1,440	1,341	635	742	Q	Q	Q
Religious worship	4,557	4,337	2,481	1,962	Q	N	Q
Service	4,630	3,763	2,303	1,416	Q	Q	Q
Warehouse and storage	13,077	10,041	7,195	3,545	Q	N	Q
Other	2,002	1,614	1,019	694	Q	Q	Q
Vacant	3,256	1,031	417	582	Q	Q	Q
Year constructed							
Before 1920	3,983	3,403	1,858	1,274	Q	369	Q
1920 to 1945	6,025	5,299	2,357	2,362	Q	847	Q
1946 to 1959	7,381	6,410	2,829	3,659	299	287	Q
1960 to 1969	10,362	9,699	4,423	5,654	366	828	Q
1970 to 1979	10,846	10,158	4,854	5,625	Q	718	Q
1980 to 1989	15,230	13,831	8,845	6,263	Q	200	312
1990 to 1999	13,803	12,209	6,946	6,084	Q	442	334
2000 to 2003	7,215	6,889	4,066	3,131	Q	Q	Q
2004 to 2007	6,524	5,955	3,725	2,837	Q	Q	Q
2008 to 2012	5,723	5,162	2,852	2,635	Q	Q	Q

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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	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Census region and division							
Northeast	15,534	14,633	6,561	7,533	1,401	1,641	389
New England	4,302	3,915	1,939	1,492	693	Q	233
Middle Atlantic	11,232	10,718	4,622	6,042	708	1,383	Q
Midwest	18,919	17,592	7,934	10,615	Q	767	392
East North Central	12,742	12,082	4,914	7,910	Q	470	Q
West North Central	6,178	5,510	3,020	2,705	Q	Q	251
South	34,279	30,261	19,449	12,258	Q	1,568	534
South Atlantic	17,981	16,144	11,163	5,651	Q	944	353
East South Central	4,904	4,598	2,900	2,103	Q	Q	Q
West South Central	11,394	9,519	5,386	4,504	Q	Q	Q
West	18,360	16,529	8,811	9,116	Q	575	260
Mountain	4,981	4,440	2,000	2,665	Q	Q	Q
Pacific	13,379	12,089	6,810	6,452	Q	243	Q
Climate region¹							
Very cold/Cold	31,898	29,567	13,252	16,960	1,111	1,515	768
Mixed-humid	27,873	25,772	14,954	11,896	711	2,304	482
Mixed-dry/Hot-dry	12,037	10,585	5,678	5,927	Q	Q	Q
Hot-humid	12,831	10,837	7,690	3,447	Q	Q	Q
Marine	2,454	2,255	1,180	1,294	Q	Q	N
Number of workers (main shift)							
Fewer than 5	17,751	11,783	6,498	4,706	319	Q	512
5 to 9	8,973	8,205	4,882	3,280	Q	Q	289
10 to 19	9,623	9,137	4,980	4,518	Q	Q	210
20 to 49	14,514	14,097	7,767	7,529	Q	331	Q
50 to 99	13,476	13,171	7,104	7,742	Q	409	Q
100 to 249	10,941	10,912	5,572	6,380	347	961	Q
250 or more	11,815	11,711	5,951	5,367	332	2,581	Q
Weekly operating hours							
Fewer than 40	8,220	5,137	2,681	2,427	Q	Q	Q
40 to 48	15,828	14,388	8,295	6,420	418	Q	220
49 to 60	20,529	18,878	10,853	8,403	Q	941	313
61 to 84	15,867	15,304	9,918	7,825	Q	501	243
85 to 167	9,395	8,937	4,695	5,011	Q	488	Q
Open continuously	17,253	16,371	6,313	9,437	544	2,337	445

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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	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Ownership and occupancy							
Nongovernment owned	67,550	60,645	35,729	28,106	1,108	2,566	1,179
Owner occupied	30,637	27,869	13,903	13,220	757	1,593	849
Leased to tenant(s)	26,115	23,900	16,509	10,578	Q	456	195
Owner occupied and leased	8,873	8,544	5,232	4,063	Q	517	Q
Unoccupied	1,925	332	Q	Q	N	N	Q
Government owned	19,543	18,370	7,025	11,417	804	1,986	396
Federal	1,573	1,565	667	628	Q	691	Q
State	5,539	5,270	1,907	3,096	Q	1,010	Q
Local	12,431	11,535	4,452	7,693	607	285	Q
Energy sources (more than one may apply)							
Electricity	84,869	79,015	42,755	39,523	1,911	4,551	1,575
Natural gas	58,725	57,019	24,822	39,523	656	2,204	Q
Fuel oil	20,200	19,708	9,324	9,484	1,911	2,498	353
District heat	5,964	5,822	1,857	834	Q	4,551	Q
District chilled water	4,608	4,511	1,381	1,155	Q	2,783	N
Propane	7,706	7,383	3,982	2,110	824	Q	1,575
Other	3,826	3,679	1,875	1,782	Q	Q	Q
Primary space-heating energy source							
Electricity	26,205	24,862	19,438	7,239	Q	Q	370
Natural gas	42,988	41,377	17,136	30,635	436	Q	Q
Fuel oil	2,542	2,362	1,214	Q	1,220	N	Q
District heat	5,797	5,655	1,781	822	Q	4,451	N
Propane	1,948	1,819	930	Q	N	N	973
Other	598	508	301	Q	Q	N	Q
Cooking energy sources (more than one may apply)							
Electricity	25,151	25,034	13,898	13,806	876	1,832	524
Natural gas	24,770	24,735	10,836	18,986	513	1,347	Q
Propane	2,001	1,997	923	199	548	N	793
Energy end uses (more than one may apply)							
Buildings with space heating	80,078	76,584	40,801	39,083	1,805	4,551	1,478
Buildings with cooling	79,294	76,414	41,520	38,464	1,705	4,527	1,413
Buildings with water heating	79,015	79,015	42,755	39,523	1,911	4,551	1,575
Buildings with cooking	38,546	38,389	18,787	23,232	1,412	2,584	976
Buildings with manufacturing	5,078	4,570	2,952	1,929	Q	Q	Q
Buildings with electricity generation	25,642	25,280	11,460	14,319	964	3,078	488

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Electricity			Natural gas	Fuel oil	District heat		
All buildings	87,093	79,015	42,755	39,523	1,911	4,551	1,575
Water-heating equipment							
Centralized system	47,534	47,534	21,435	24,806	1,318	3,002	1,006
Distributed system	12,688	12,688	9,362	4,088	Q	325	Q
Combination of centralized and distributed system	18,793	18,793	11,957	10,629	467	1,224	348

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.

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.