

Table B26. Water-Heating Energy Sources, Floorspace, 1999

	Total Floorspace (million square feet)						
	All Buildings	All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)				
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings	67,338	56,115	24,171	29,196	2,218	4,182	1,371
Building Floorspace (Square Feet)							
1,001 to 5,000	6,774	4,280	2,307	1,719	Q	Q	Q
5,001 to 10,000	8,238	5,748	2,287	3,204	Q	Q	Q
10,001 to 25,000	11,153	9,000	4,220	4,221	224	164	493
25,001 to 50,000	9,311	8,088	3,175	4,602	304	471	Q
50,001 to 100,000	10,112	8,887	3,590	4,924	351	613	Q
100,001 to 200,000	8,271	7,527	2,970	4,344	Q	732	Q
200,001 to 500,000	6,851	6,258	2,073	3,446	437	758	Q
Over 500,000	6,628	6,327	3,551	2,736	Q	1,295	N
Principal Building Activity							
Education	8,651	8,059	1,996	4,938	831	882	Q
Food Sales	994	951	284	592	Q	Q	Q
Food Service	1,851	1,846	509	1,277	Q	Q	Q
Health Care	2,918	2,903	619	1,649	219	713	Q
Inpatient	1,865	1,862	Q	1,165	206	628	N
Outpatient	1,053	1,040	478	484	Q	Q	Q
Lodging	4,521	4,442	745	3,152	Q	536	251
Mercantile	10,398	8,698	5,959	3,811	Q	N	Q
Retail (Other Than Mall)	4,766	3,453	1,937	1,519	Q	N	Q
Enclosed and Strip Malls	5,631	5,244	4,022	2,293	Q	N	Q
Office	12,044	10,872	5,771	4,460	284	953	Q
Public Assembly	4,393	3,893	1,295	2,061	Q	597	Q
Public Order and Safety	1,168	830	Q	454	Q	Q	Q
Religious Worship	3,405	3,109	1,109	1,812	Q	Q	Q
Service	3,388	2,351	1,353	978	Q	Q	Q
Warehouse and Storage	10,477	6,743	3,950	3,145	Q	Q	N
Other	1,222	983	269	569	Q	Q	N
Vacant	1,908	436	Q	298	Q	N	Q
Year Constructed							
1919 or Before	4,034	3,130	1,034	1,848	187	256	Q
1920 to 1945	6,445	4,644	1,551	2,516	Q	627	Q
1946 to 1959	9,127	7,154	2,235	4,047	578	813	Q
1960 to 1969	10,866	9,421	3,438	5,390	424	1,029	Q
1970 to 1979	11,840	10,182	4,981	4,701	322	574	Q
1980 to 1989	13,931	12,137	6,533	5,483	303	507	Q
1990 to 1999	11,094	9,446	4,399	5,211	Q	377	Q
Census Region							
Northeast	12,360	10,577	4,485	4,074	1,678	1,300	561
Midwest	16,761	13,702	4,633	8,323	Q	1,219	428
South	23,485	19,014	10,480	8,943	328	863	Q
West	14,731	12,822	4,574	7,856	Q	799	Q
Workers (main shift)							
Fewer than 5	14,321	8,401	3,332	4,426	Q	288	438
5 to 9	6,325	5,145	2,094	2,666	Q	Q	Q
10 to 19	8,028	7,000	3,354	3,435	Q	305	Q
20 to 49	10,814	9,445	3,905	5,161	365	370	Q
50 to 99	8,898	8,166	3,558	4,525	375	439	Q
100 to 249	8,356	7,760	3,056	4,239	422	803	Q
250 or More	10,595	10,199	4,874	4,743	546	1,810	Q

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	All Buildings	All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)				
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane
Weekly Operating Hours							
39 or Fewer	6,596	3,340	1,148	1,851	Q	Q	Q
40 to 48	13,105	10,049	4,793	4,885	338	395	Q
49 to 60	14,200	12,280	6,003	5,728	369	523	282
61 to 84	12,458	11,334	5,919	5,481	403	685	Q
85 to 167	9,116	8,041	3,310	4,343	Q	690	Q
Open Continuously	11,863	11,070	2,998	6,907	504	1,876	268
Energy Sources (more than one may apply)							
Electricity	65,716	56,115	24,171	29,196	2,218	4,182	1,371
Natural Gas	45,525	41,366	13,914	29,196	959	1,829	Q
Fuel Oil	13,285	11,852	5,017	5,148	2,218	1,343	Q
District Heat	5,891	5,301	1,090	675	Q	4,182	Q
District Chilled Water	2,750	2,455	447	498	Q	1,729	Q
Propane	6,290	5,409	2,806	1,173	906	Q	1,371
Other	2,322	1,887	978	1,116	Q	Q	Q
Primary Space Heating Energy Source							
Electricity	17,627	15,562	11,461	4,830	Q	Q	288
Natural Gas	32,729	29,379	8,940	22,589	451	Q	N
Fuel Oil	3,719	3,085	1,021	437	1,639	Q	Q
District Heat	5,077	4,519	690	517	Q	3,776	N
Propane	2,107	1,454	824	N	Q	N	642
Other	343	Q	Q	Q	Q	N	Q
Cooking Energy Sources (more than one may apply)							
Electricity	13,733	13,136	6,559	6,875	811	979	554
Natural Gas	16,785	16,431	5,166	11,979	654	1,235	Q
Propane	1,754	1,635	857	Q	436	Q	373
Energy End Uses (more than one may apply)							
Buildings with Space Heating	61,602	54,204	23,070	28,479	2,206	4,162	1,227
Buildings with Cooling	58,474	52,589	23,177	27,461	1,890	3,723	1,141
Buildings with Water Heating	56,115	56,115	24,171	29,196	2,218	4,182	1,371
Buildings with Cooking	24,681	23,830	9,556	14,020	1,423	1,791	778
Buildings with Manufacturing	3,126	2,364	1,016	1,443	Q	Q	Q
Buildings with Electricity Generation	11,882	11,079	5,163	5,737	710	1,575	Q
Water Heating Equipment							
Centralized System	35,579	35,579	12,585	19,755	1,534	2,715	1,020
Distributed System	10,899	10,899	7,068	4,032	Q	566	Q
Combination of Centralized and Distributed System	9,637	9,637	4,519	5,409	498	901	Q

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 1999 Commercial Buildings Energy Consumption Survey.