

Table B32. Water-Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
	All Buildings*	Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)				
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	64,783	56,478	27,490	28,820	1,880	3,088	1,422
Building Floorspace (Square Feet)							
1,001 to 5,000	6,789	4,759	2,847	1,699	116	N	169
5,001 to 10,000	6,585	5,348	2,821	2,296	Q	Q	205
10,001 to 25,000	11,535	9,562	4,809	4,470	265	Q	430
25,001 to 50,000	8,668	7,734	3,924	4,055	Q	Q	Q
50,001 to 100,000	9,057	8,412	3,659	5,005	Q	303	Q
100,001 to 200,000	9,064	8,300	3,884	4,754	Q	822	Q
200,001 to 500,000	7,176	6,680	2,722	4,076	Q	621	Q
Over 500,000	5,908	5,683	2,824	2,467	Q	1,064	N
Principal Building Activity							
Education	9,874	9,481	3,829	5,549	501	535	347
Food Sales	1,255	1,130	515	557	Q	N	Q
Food Service	1,654	1,654	482	1,127	Q	Q	Q
Health Care	3,163	3,160	1,026	1,926	177	423	Q
Inpatient	1,905	1,905	280	1,380	162	381	Q
Outpatient	1,258	1,255	746	547	Q	Q	N
Lodging	5,096	5,096	905	3,676	Q	Q	219
Retail (Other Than Mall).....	4,317	3,459	2,047	1,470	Q	N	Q
Office	12,208	11,804	7,015	4,713	Q	974	Q
Public Assembly	3,939	3,632	1,638	1,957	Q	389	Q
Public Order and Safety	1,090	957	327	486	Q	Q	Q
Religious Worship	3,754	3,512	1,825	1,893	Q	N	Q
Service	4,050	3,320	1,841	1,523	Q	Q	Q
Warehouse and Storage	10,078	6,624	4,520	2,672	Q	Q	Q
Other	1,738	1,630	990	656	Q	Q	Q
Vacant	2,567	1,020	530	614	N	Q	N
Year Constructed							
Before 1920	3,769	3,353	1,348	1,942	Q	Q	Q
1920 to 1945	6,871	5,292	1,872	2,857	Q	617	Q
1946 to 1959	7,045	5,924	2,819	3,245	Q	399	Q
1960 to 1969	8,101	7,202	2,865	3,953	314	608	314
1970 to 1979	10,772	9,787	4,775	5,169	303	453	Q
1980 to 1989	10,332	9,420	5,665	3,994	Q	561	174
1990 to 1999	12,360	10,816	5,853	5,295	Q	Q	Q
2000 to 2003	5,533	4,683	2,294	2,366	Q	Q	Q
Census Region and Division							
Northeast	12,905	11,789	5,125	5,601	1,542	929	261
New England	2,964	2,724	1,439	682	590	Q	Q
Middle Atlantic	9,941	9,065	3,686	4,919	952	775	Q
Midwest	17,080	14,928	6,477	8,799	Q	749	390
East North Central	11,595	10,208	4,086	6,417	Q	588	Q
West North Central	5,485	4,720	2,391	2,382	Q	Q	362
South	23,489	19,913	11,882	8,306	Q	956	537
South Atlantic	12,258	10,714	7,033	3,649	Q	730	391
East South Central	3,393	2,858	1,581	1,456	N	Q	Q
West South Central	7,837	6,341	3,267	3,201	Q	Q	Q
West	11,310	9,848	4,007	6,114	Q	454	Q
Mountain	3,675	3,422	1,236	2,276	Q	Q	Q
Pacific	7,635	6,426	2,771	3,838	Q	338	Q

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			Electricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	64,783	56,478	27,490	28,820	1,880	3,088	1,422
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	10,622	9,474	3,941	5,482	389	582	341
5,500-7,000 HDD	17,335	15,160	6,525	8,466	481	654	312
4,000-5,499 HDD	11,504	10,785	5,147	4,892	902	1,073	Q
Fewer than 4,000 HDD	15,739	13,192	6,685	7,068	Q	695	260
2,000 CDD or More and --							
Fewer than 4,000 HDD	9,584	7,867	5,192	2,913	Q	Q	Q
Number of Workers (main shift)							
Fewer than 5	15,492	9,525	5,218	3,869	249	Q	510
5 to 9	6,166	5,393	2,864	2,513	Q	Q	Q
10 to 19	7,803	7,182	3,532	3,317	Q	Q	Q
20 to 49	10,989	10,480	5,002	6,002	Q	484	Q
50 to 99	7,934	7,688	3,253	4,713	Q	Q	Q
100 to 249	6,871	6,815	2,956	3,842	Q	729	Q
250 or More	9,528	9,395	4,666	4,564	342	1,347	Q
Weekly Operating Hours							
Fewer than 40	6,863	4,305	2,435	1,918	Q	Q	Q
40 to 48	11,622	9,989	5,949	4,342	Q	Q	Q
49 to 60	15,723	13,564	7,886	6,100	252	463	Q
61 to 84	10,334	9,477	4,657	4,793	Q	516	Q
85 to 167	7,092	6,635	2,996	3,596	Q	476	Q
Open Continuously	13,149	12,508	3,568	8,072	875	1,409	335
Energy Sources (more than one may apply)							
Electricity	63,307	56,463	27,490	28,820	1,865	3,088	1,422
Natural Gas	43,468	41,134	14,880	28,820	1,020	1,427	Q
Fuel Oil	15,157	14,560	6,745	6,968	1,880	1,241	389
District Heat	5,443	4,631	1,685	939	Q	3,088	Q
District Chilled Water	2,853	2,655	745	1,023	Q	1,205	Q
Propane	7,076	6,292	3,710	1,593	450	Q	1,422
Other	1,401	1,306	645	577	Q	Q	Q
Primary Space-Heating Energy Source							
Electricity	15,996	14,429	11,021	4,038	Q	Q	223
Natural Gas	32,970	31,026	10,988	22,675	207	Q	Q
Fuel Oil	3,818	3,539	1,746	911	1,502	N	Q
District Heat	4,907	4,095	1,541	848	Q	2,694	N
Propane	1,955	1,751	1,046	N	Q	N	814
Other	382	314	Q	Q	Q	N	Q
Cooking Energy Sources (more than one may apply)							
Electricity	13,161	13,003	6,222	7,474	490	911	304
Natural Gas	15,438	15,296	4,537	11,840	883	834	N
Propane	1,460	1,437	398	Q	246	Q	714

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All Buildings*	64,783	56,478	27,490	28,820	1,880	3,088	1,422
Energy End Uses (more than one may apply)							
Buildings with Space Heating	60,028	55,154	26,527	28,544	1,797	3,023	1,376
Buildings with Cooling	56,940	53,232	26,028	27,379	1,591	2,987	1,252
Buildings with Water Heating	56,478	56,478	27,490	28,820	1,880	3,088	1,422
Buildings with Cooking	22,237	21,914	8,295	13,909	1,265	1,248	796
Buildings with Manufacturing	3,138	2,987	1,761	1,520	Q	Q	Q
Buildings with Electricity Generation	12,821	12,612	5,559	7,123	389	1,443	Q
Water Heating Equipment							
Centralized System	34,671	34,671	14,245	17,917	1,591	2,073	973
Distributed System	11,540	11,540	7,842	4,435	Q	Q	Q
Combination of Centralized and Distributed System	10,267	10,267	5,404	6,468	248	859	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/cbecs>.

* 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.