

Table B29. Primary Space-Heating Energy Sources, Total Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)					
	All Buildings*	Buildings with Space Heating	Primary Space-Heating Energy Source Used ^a			
			Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	64,783	60,028	15,996	32,970	3,818	4,907
Building Floorspace (Square Feet)						
1,001 to 5,000	6,789	5,668	1,779	2,672	484	Q
5,001 to 10,000	6,585	5,786	1,686	3,068	428	Q
10,001 to 25,000	11,535	10,387	3,366	5,807	536	Q
25,001 to 50,000	8,668	8,060	2,264	4,974	300	325
50,001 to 100,000	9,057	8,718	2,245	5,147	431	516
100,001 to 200,000	9,064	8,710	2,011	4,489	Q	1,340
200,001 to 500,000	7,176	6,907	1,380	3,933	Q	1,003
Over 500,000	5,908	5,792	1,265	2,880	Q	1,352
Principal Building Activity						
Education	9,874	9,755	2,495	5,191	803	970
Food Sales	1,255	1,131	437	568	Q	N
Food Service	1,654	1,608	436	957	Q	Q
Health Care	3,163	3,100	592	1,972	Q	388
Inpatient	1,905	1,905	Q	1,388	Q	331
Outpatient	1,258	1,195	491	583	Q	Q
Lodging	5,096	4,994	2,122	2,040	Q	Q
Retail (Other Than Mall).....	4,317	4,075	1,199	2,470	Q	Q
Office	12,208	11,929	3,995	6,046	301	1,448
Public Assembly	3,939	3,777	672	1,813	Q	547
Public Order and Safety	1,090	1,083	Q	537	Q	Q
Religious Worship	3,754	3,581	796	2,305	306	Q
Service	4,050	3,687	519	2,286	340	Q
Warehouse and Storage	10,078	8,126	2,257	4,736	Q	Q
Other	1,738	1,691	Q	1,064	Q	Q
Vacant	2,567	1,491	Q	987	Q	Q
Year Constructed						
Before 1920	3,769	3,667	355	2,304	564	Q
1920 to 1945	6,871	6,236	390	3,580	1,125	1,072
1946 to 1959	7,045	6,534	1,142	3,546	894	661
1960 to 1969	8,101	7,510	1,455	4,564	420	783
1970 to 1979	10,772	10,223	2,830	6,037	415	557
1980 to 1989	10,332	9,808	4,131	4,547	Q	704
1990 to 1999	12,360	11,254	3,892	5,933	Q	680
2000 to 2003	5,533	4,796	1,802	2,457	Q	Q
Census Region and Division						
Northeast	12,905	12,596	1,253	6,439	3,250	1,205
New England	2,964	2,819	Q	1,061	1,161	Q
Middle Atlantic	9,941	9,778	1,127	5,377	2,089	970
Midwest	17,080	16,331	2,545	11,321	229	1,531
East North Central	11,595	11,223	1,487	8,230	Q	1,319
West North Central	5,485	5,108	1,058	3,091	Q	Q
South	23,489	20,998	9,084	9,299	232	1,614
South Atlantic	12,258	11,012	4,968	4,175	Q	1,149
East South Central	3,393	3,056	791	1,817	Q	Q
West South Central	7,837	6,929	3,325	3,308	N	Q
West	11,310	10,102	3,114	5,911	Q	557
Mountain	3,675	3,525	789	2,277	Q	Q
Pacific	7,635	6,577	2,325	3,633	Q	362

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			Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	64,783	60,028	15,996	32,970	3,818	4,907
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	10,622	10,109	1,375	6,515	962	752
5,500-7,000 HDD	17,335	16,720	2,603	10,640	1,211	1,638
4,000-5,499 HDD	11,504	11,239	2,210	5,617	1,557	1,231
Fewer than 4,000 HDD	15,739	13,965	4,580	7,965	Q	883
2,000 CDD or More and --						
Fewer than 4,000 HDD	9,584	7,995	5,228	2,233	Q	Q
Number of Workers (main shift)						
Fewer than 5	15,492	12,182	3,385	5,890	987	Q
5 to 9	6,166	5,822	1,736	3,426	328	Q
10 to 19	7,803	7,410	2,430	3,833	Q	Q
20 to 49	10,989	10,822	2,602	6,556	Q	611
50 to 99	7,934	7,650	1,834	4,614	593	460
100 to 249	6,871	6,766	1,692	3,748	Q	975
250 or More	9,528	9,376	2,318	4,903	Q	1,895
Weekly Operating Hours						
Fewer than 40	6,863	5,246	1,424	2,848	302	Q
40 to 48	11,622	10,928	3,348	5,578	1,006	486
49 to 60	15,723	14,763	3,940	8,015	708	1,566
61 to 84	10,334	10,012	2,746	5,801	651	572
85 to 167	7,092	6,680	1,266	3,960	359	790
Open Continuously	13,149	12,399	3,273	6,768	793	1,315
Energy Sources (more than one may apply)						
Electricity	63,307	59,991	15,996	32,963	3,818	4,907
Natural Gas	43,468	42,974	6,162	32,970	1,588	2,117
Fuel Oil	15,157	14,942	3,079	6,258	3,818	1,490
District Heat	5,443	5,378	Q	Q	N	4,907
District Chilled Water	2,853	2,734	Q	339	Q	2,165
Propane	7,076	6,790	1,323	1,947	930	Q
Other	1,401	1,399	Q	713	Q	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	60,028	60,028	15,996	32,970	3,818	4,907
Buildings with Cooling	56,940	55,188	15,562	30,808	2,836	4,147
Buildings with Water Heating	56,478	55,154	14,429	31,026	3,539	4,095
Buildings with Cooking	22,237	21,725	5,109	12,430	1,892	1,623
Buildings with Manufacturing	3,138	3,072	515	1,954	Q	Q
Buildings with Electricity Generation	12,821	12,635	3,131	7,077	316	1,817
Percent of Floorspace Heated						
Not Heated	4,756	N	N	N	N	N
1 to 50	6,850	6,850	2,890	3,029	565	Q
51 to 99	8,107	8,107	2,164	4,707	459	574
100	45,071	45,071	10,943	25,233	2,793	4,307

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All Buildings*	64,783	60,028	15,996	32,970	3,818	4,907
Heating Equipment (more than one may apply)						
Heat Pumps	8,814	8,814	4,812	3,430	Q	388
Packaged Heat Pumps	5,442	5,442	3,056	2,092	Q	Q
Split-System Heat Pumps	2,581	2,581	1,343	1,014	N	Q
Individual Room Heat Pumps	2,691	2,691	1,286	1,173	Q	Q
Furnaces	19,615	19,615	3,655	13,476	1,153	Q
Individual Space Heaters	12,545	12,545	3,736	6,907	739	533
District Heat	5,166	5,166	Q	Q	N	4,875
Boilers	20,423	20,423	2,115	15,138	2,714	Q
Packaged Heating Units	18,021	18,021	6,767	10,115	Q	466
Other	3,262	3,262	1,286	1,275	Q	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/cbeecs>.

* 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.

^a Additionally, buildings comprising 1,955 million square feet used propane; buildings comprising 382 million square feet used wood, coal or some other energy source; and no responding buildings in the sample used solar as a primary space-heating energy source.

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.