

**Table B27. Space Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)							
	All Buildings*	Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)					
			Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other <sup>a</sup>
<b>All Buildings*</b> .....	64,783	60,028	28,600	36,959	5,988	5,198	3,204	842
<b>Building Floorspace (Square Feet)</b>								
1,001 to 5,000 .....	6,789	5,668	2,367	2,829	557	Q	665	183
5,001 to 10,000 .....	6,585	5,786	2,560	3,358	626	Q	529	Q
10,001 to 25,000 .....	11,535	10,387	4,872	6,407	730	289	597	Q
25,001 to 50,000 .....	8,668	8,060	4,040	5,394	436	325	392	Q
50,001 to 100,000 .....	9,057	8,718	4,243	5,932	594	560	Q	Q
100,001 to 200,000 .....	9,064	8,710	3,962	5,261	1,271	1,386	Q	Q
200,001 to 500,000 .....	7,176	6,907	3,230	4,537	984	1,010	Q	Q
Over 500,000 .....	5,908	5,792	3,326	3,241	789	1,528	Q	Q
<b>Principal Building Activity</b>								
Education .....	9,874	9,755	4,047	5,700	1,240	1,117	446	Q
Food Sales .....	1,255	1,131	497	633	Q	N	Q	Q
Food Service .....	1,654	1,608	737	1,070	Q	Q	147	Q
Health Care .....	3,163	3,100	1,479	2,184	546	414	Q	Q
Inpatient .....	1,905	1,905	877	1,490	501	357	Q	Q
Outpatient .....	1,258	1,195	602	694	Q	Q	Q	N
Lodging .....	5,096	4,994	3,230	2,918	795	Q	Q	Q
Retail (Other Than Mall).....	4,317	4,075	1,941	2,719	236	Q	224	Q
Office .....	12,208	11,929	6,400	6,637	672	1,526	211	Q
Public Assembly .....	3,939	3,777	1,202	2,132	Q	547	Q	Q
Public Order and Safety .....	1,090	1,083	408	559	Q	Q	Q	Q
Religious Worship .....	3,754	3,581	1,759	2,450	397	Q	249	N
Service .....	4,050	3,687	1,483	2,411	493	Q	422	398
Warehouse and Storage .....	10,078	8,126	4,141	5,351	591	Q	Q	Q
Other .....	1,738	1,691	762	1,145	Q	Q	Q	Q
Vacant .....	2,567	1,491	514	1,050	Q	Q	Q	Q
<b>Year Constructed</b>								
Before 1920 .....	3,769	3,667	1,044	2,528	806	Q	Q	Q
1920 to 1945 .....	6,871	6,236	2,070	3,747	1,499	1,203	Q	Q
1946 to 1959 .....	7,045	6,534	2,656	3,776	1,162	661	479	Q
1960 to 1969 .....	8,101	7,510	2,924	4,992	795	818	385	Q
1970 to 1979 .....	10,772	10,223	5,072	6,800	805	573	452	318
1980 to 1989 .....	10,332	9,808	5,822	5,289	294	780	402	Q
1990 to 1999 .....	12,360	11,254	5,998	6,863	493	691	620	Q
2000 to 2003 .....	5,533	4,796	3,016	2,965	Q	Q	373	Q
<b>Census Region and Division</b>								
Northeast .....	12,905	12,596	4,405	7,238	3,927	1,260	743	Q
New England .....	2,964	2,819	1,132	1,198	1,219	Q	Q	Q
Middle Atlantic .....	9,941	9,778	3,273	6,041	2,708	1,015	Q	Q
Midwest .....	17,080	16,331	6,223	12,180	916	1,640	806	272
East North Central .....	11,595	11,223	3,895	8,758	456	1,420	Q	Q
West North Central .....	5,485	5,108	2,328	3,422	460	Q	695	Q
South .....	23,489	20,998	13,058	10,693	897	1,683	1,195	Q
South Atlantic .....	12,258	11,012	7,347	4,852	627	1,173	908	Q
East South Central .....	3,393	3,056	1,411	2,110	Q	Q	Q	Q
West South Central .....	7,837	6,929	4,300	3,731	Q	Q	Q	Q
West .....	11,310	10,102	4,914	6,848	247	615	459	Q
Mountain .....	3,675	3,525	1,389	2,547	Q	253	245	Q
Pacific .....	7,635	6,577	3,526	4,301	Q	362	Q	Q

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	Total Floorspace (million square feet)							
	All Buildings*	Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)					
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Other <sup>a</sup>
<b>All Buildings*</b> .....	64,783	60,028	28,600	36,959	5,988	5,198	3,204	842
<b>Climate Zone: 30-Year Average</b>								
Under 2,000 CDD and --								
More than 7,000 HDD .....	10,622	10,109	3,945	7,142	1,516	818	849	339
5,500-7,000 HDD .....	17,335	16,720	6,180	11,538	1,616	1,749	650	208
4,000-5,499 HDD .....	11,504	11,239	5,080	6,236	2,295	1,281	Q	Q
Fewer than 4,000 HDD .....	15,739	13,965	7,343	9,362	385	918	755	Q
2,000 CDD or More and --								
Fewer than 4,000 HDD .....	9,584	7,995	6,052	2,679	Q	432	Q	Q
<b>Number of Workers (main shift)</b>								
Fewer than 5 .....	15,492	12,182	4,980	6,340	1,317	Q	1,108	295
5 to 9 .....	6,166	5,822	2,612	3,730	465	Q	375	Q
10 to 19 .....	7,803	7,410	3,700	4,274	810	Q	417	Q
20 to 49 .....	10,989	10,822	4,936	7,290	748	653	511	Q
50 to 99 .....	7,934	7,650	3,705	5,368	921	460	Q	Q
100 to 249 .....	6,871	6,766	3,555	4,562	689	984	Q	Q
250 or More .....	9,528	9,376	5,111	5,395	1,037	2,084	Q	Q
<b>Weekly Operating Hours</b>								
Fewer than 40 .....	6,863	5,246	2,167	2,995	430	Q	459	Q
40 to 48 .....	11,622	10,928	5,059	6,128	1,175	493	650	185
49 to 60 .....	15,723	14,763	7,157	8,731	1,152	1,576	966	Q
61 to 84 .....	10,334	10,012	4,626	6,658	982	772	333	Q
85 to 167 .....	7,092	6,680	2,827	4,370	527	790	282	Q
Open Continuously .....	13,149	12,399	6,764	8,077	1,722	1,388	514	Q
<b>Energy Sources (more than one may apply)</b>								
Electricity .....	63,307	59,991	28,600	36,952	5,973	5,198	3,194	821
Natural Gas .....	43,468	42,974	17,056	36,959	3,372	2,323	Q	467
Fuel Oil .....	15,157	14,942	6,994	7,299	5,988	1,596	877	Q
District Heat .....	5,443	5,378	1,205	565	Q	5,198	Q	N
District Chilled Water .....	2,853	2,734	637	605	Q	2,231	Q	N
Propane .....	7,076	6,790	3,339	2,034	1,091	Q	3,204	Q
Other .....	1,401	1,399	495	870	216	Q	Q	842
<b>Primary Space-Heating Energy Source</b>								
Electricity .....	15,996	15,996	15,996	3,278	361	Q	472	Q
Natural Gas .....	32,970	32,970	10,265	32,970	1,645	Q	Q	318
Fuel Oil .....	3,818	3,818	645	320	3,818	N	Q	Q
District Heat .....	4,907	4,907	992	Q	Q	4,907	Q	N
Propane .....	1,955	1,955	632	N	Q	Q	1,955	Q
Other .....	382	382	Q	Q	Q	N	Q	382
<b>Cooling Energy Sources (more than one may apply)</b>								
Electricity .....	54,321	52,584	27,212	33,906	4,634	2,467	2,488	652
Natural Gas .....	1,018	1,018	477	1,006	Q	Q	N	Q
District Chilled Water .....	2,853	2,734	637	605	Q	2,231	Q	N

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			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Other <sup>a</sup>
<b>All Buildings*</b> .....	64,783	60,028	28,600	36,959	5,988	5,198	3,204	842
<b>Water-Heating Energy Sources (more than one may apply)</b>								
Electricity .....	27,490	26,527	16,579	12,487	2,328	1,618	1,950	421
Natural Gas .....	28,820	28,544	11,286	25,279	2,401	936	Q	264
Fuel Oil .....	1,880	1,797	283	342	1,696	Q	Q	Q
District Heat .....	3,088	3,023	832	390	Q	2,860	Q	N
Propane .....	1,422	1,376	625	Q	Q	Q	971	Q
<b>Cooking Energy Sources (more than one may apply)</b>								
Electricity .....	13,161	12,942	7,219	8,082	1,384	1,193	570	Q
Natural Gas .....	15,438	15,125	7,194	11,256	2,296	1,212	Q	Q
Propane .....	1,460	1,335	569	Q	471	Q	569	Q
<b>Energy End Uses (more than one may apply)</b>								
Buildings with Space Heating .....	60,028	60,028	28,600	36,959	5,988	5,198	3,204	842
Buildings with Cooling .....	56,940	55,188	27,509	34,725	4,804	4,408	2,499	667
Buildings with Water Heating .....	56,478	55,154	26,529	34,755	5,589	4,386	2,985	747
Buildings with Cooking .....	22,237	21,725	10,845	14,066	3,197	1,768	1,044	Q
Buildings with Manufacturing .....	3,138	3,072	1,762	2,214	Q	Q	Q	Q
Buildings with Electricity Generation .....	12,821	12,635	6,587	8,070	1,231	1,985	629	Q
<b>Percent of Floorspace Heated</b>								
Not Heated .....	4,756	N	N	N	N	N	N	N
1 to 50 .....	6,850	6,850	4,077	3,685	772	Q	587	Q
51 to 99 .....	8,107	8,107	4,355	5,077	846	631	344	Q
100 .....	45,071	45,071	20,168	28,197	4,370	4,541	2,272	679
<b>Heating Equipment (more than one may apply)</b>								
Heat Pumps .....	8,814	8,814	8,688	4,643	295	413	516	Q
Packaged Heat Pumps .....	5,442	5,442	5,350	2,845	Q	Q	Q	N
Split-System Heat Pumps .....	2,581	2,581	2,581	1,261	Q	Q	Q	Q
Individual Room Heat Pumps .....	2,691	2,691	2,657	1,723	Q	Q	Q	Q
Furnaces .....	19,615	19,615	8,653	14,562	1,827	Q	1,946	435
Individual Space Heaters .....	12,545	12,545	9,838	7,947	1,438	560	1,178	317
District Heat .....	5,166	5,166	1,088	486	Q	5,166	Q	N
Boilers .....	20,423	20,423	7,766	16,417	4,355	Q	761	286
Packaged Heating Units .....	18,021	18,021	11,947	12,283	593	528	833	Q
Other .....	3,262	3,262	2,139	1,524	265	Q	443	384

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.

<sup>a</sup> "Other" includes wood, coal, solar, and all other energy sources.

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.