

**Table B28. Primary Space-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					
	All Buildings*	Buildings with Space Heating	Primary Space-Heating Energy Source Used <sup>a</sup>			
			Electricity	Natural Gas	Fuel Oil	District Heat
<b>All Buildings*</b> .....	4,645	3,982	1,258	1,999	282	63
<b>Building Floorspace (Square Feet)</b>						
1,001 to 5,000 .....	2,552	2,100	699	955	171	Q
5,001 to 10,000 .....	889	782	233	409	58	Q
10,001 to 25,000 .....	738	659	211	372	32	Q
25,001 to 50,000 .....	241	225	63	140	8	9
50,001 to 100,000 .....	129	123	32	73	6	8
100,001 to 200,000 .....	65	62	15	33	Q	9
200,001 to 500,000 .....	25	24	5	13	Q	4
Over 500,000 .....	7	6	1	3	Q	2
<b>Principal Building Activity</b>						
Education .....	386	382	141	172	14	24
Food Sales .....	226	188	94	68	Q	N
Food Service .....	297	282	94	149	Q	Q
Health Care .....	129	124	49	65	Q	1
Inpatient .....	8	8	Q	6	Q	0
Outpatient .....	121	116	48	59	Q	Q
Lodging .....	142	142	78	34	Q	Q
Retail (Other Than Mall).....	443	408	115	223	Q	Q
Office .....	824	802	279	435	40	16
Public Assembly .....	277	258	62	129	37	6
Public Order and Safety .....	71	70	Q	31	Q	Q
Religious Worship .....	370	359	93	198	31	Q
Service .....	622	515	103	249	50	Q
Warehouse and Storage .....	597	316	103	168	Q	Q
Other .....	79	67	Q	40	Q	Q
Vacant .....	182	69	Q	39	Q	Q
<b>Year Constructed</b>						
Before 1920 .....	330	302	24	177	66	Q
1920 to 1945 .....	527	442	80	291	41	12
1946 to 1959 .....	562	493	126	268	48	13
1960 to 1969 .....	579	524	157	266	38	13
1970 to 1979 .....	731	648	219	324	36	6
1980 to 1989 .....	707	618	276	244	Q	4
1990 to 1999 .....	876	719	288	333	Q	7
2000 to 2003 .....	334	236	89	97	Q	Q
<b>Census Region and Division</b>						
Northeast .....	726	672	90	324	212	17
New England .....	233	211	Q	56	113	Q
Middle Atlantic .....	493	461	71	268	98	11
Midwest .....	1,266	1,112	179	738	36	13
East North Central .....	696	633	87	501	Q	7
West North Central .....	571	479	92	238	Q	Q
South .....	1,775	1,462	729	566	21	19
South Atlantic .....	874	746	406	234	Q	13
East South Central .....	348	283	103	133	Q	Q
West South Central .....	553	433	220	199	N	Q
West .....	878	735	261	371	Q	15
Mountain .....	299	273	65	162	Q	Q
Pacific .....	580	462	196	209	Q	8

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			Electricity	Natural Gas	Fuel Oil	District Heat
<b>All Buildings*</b> .....	4,645	3,982	1,258	1,999	282	63
<b>Climate Zone: 30-Year Average</b>						
Under 2,000 CDD and --						
More than 7,000 HDD .....	855	752	115	448	112	6
5,500-7,000 HDD .....	1,173	1,055	196	640	109	27
4,000-5,499 HDD .....	673	626	142	291	48	13
Fewer than 4,000 HDD .....	1,276	1051	433	508	Q	11
2,000 CDD or More and --						
Fewer than 4,000 HDD .....	669	498	372	112	Q	6
<b>Number of Workers (main shift)</b>						
Fewer than 5 .....	2,653	2,080	674	918	190	Q
5 to 9 .....	778	733	236	404	47	Q
10 to 19 .....	563	536	180	291	24	Q
20 to 49 .....	398	387	101	244	Q	15
50 to 99 .....	147	141	38	87	6	7
100 to 249 .....	77	76	22	39	Q	9
250 or More .....	30	29	8	15	Q	5
<b>Weekly Operating Hours</b>						
Fewer than 40 .....	1,002	751	227	333	65	Q
40 to 48 .....	1,117	1,037	340	506	80	11
49 to 60 .....	1,062	965	274	541	54	18
61 to 84 .....	591	535	160	304	36	11
85 to 167 .....	400	331	103	171	20	9
Open Continuously .....	475	364	154	144	27	9
<b>Energy Sources (more than one may apply)</b>						
Electricity .....	4,404	3,971	1,258	1,998	282	63
Natural Gas .....	2,391	2,344	281	1,999	38	24
Fuel Oil .....	451	443	51	77	282	4
District Heat .....	67	67	Q	Q	N	63
District Chilled Water .....	33	32	Q	5	Q	23
Propane .....	502	489	78	39	49	Q
Other .....	132	132	Q	29	Q	Q
<b>Energy End Uses (more than one may apply)</b>						
Buildings with Space Heating .....	3,982	3,982	1,258	1,999	282	63
Buildings with Cooling .....	3,625	3,469	1,188	1,794	161	52
Buildings with Water Heating .....	3,472	3,337	999	1,765	226	57
Buildings with Cooking .....	801	764	223	397	68	8
Buildings with Manufacturing .....	119	111	25	62	Q	Q
Buildings with Electricity Generation .....	149	148	40	78	10	6
<b>Percent of Floorspace Heated</b>						
Not Heated .....	663	N	N	N	N	N
1 to 50 .....	523	523	222	192	42	Q
51 to 99 .....	498	498	146	272	41	5
100 .....	2,962	2,962	891	1,534	199	57

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			Electricity	Natural Gas	Fuel Oil	District Heat
<b>All Buildings*</b> .....	4,645	3,982	1,258	1,999	282	63
<b>Heating Equipment (more than one may apply)</b>						
Heat Pumps .....	476	476	371	85	Q	1
Packaged Heat Pumps .....	278	278	220	51	Q	Q
Split-System Heat Pumps .....	166	166	128	27	N	Q
Individual Room Heat Pumps .....	58	58	42	14	Q	Q
Furnaces .....	1,864	1,864	296	1,212	145	Q
Individual Space Heaters .....	819	819	305	361	39	4
District Heat .....	65	65	Q	Q	N	63
Boilers .....	579	579	58	373	121	Q
Packaged Heating Units .....	953	953	427	456	Q	2
Other .....	205	205	60	69	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/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> Additionally, 308,000 buildings used propane; 72,000 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.