

Table B31. Water-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
	All Buildings*	Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)				
			Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	4,645	3,472	1,910	1,445	94	27	128
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	1,715	1,020	617	41	N	66
5,001 to 10,000	889	725	386	307	Q	Q	27
10,001 to 25,000	738	607	301	285	16	Q	27
25,001 to 50,000	241	217	110	114	Q	Q	Q
50,001 to 100,000	129	119	53	70	Q	5	Q
100,001 to 200,000	65	60	27	35	Q	5	Q
200,001 to 500,000	25	23	9	14	Q	2	Q
Over 500,000	7	6	3	3	Q	1	N
Principal Building Activity							
Education	386	298	144	149	10	6	15
Food Sales	226	186	109	68	Q	N	Q
Food Service	297	297	101	176	Q	Q	Q
Health Care	129	127	72	56	1	1	Q
Inpatient	8	8	1	6	0	1	Q
Outpatient	121	119	70	50	Q	Q	N
Lodging	142	142	45	74	14	Q	18
Retail (Other Than Mall).....	443	314	189	118	Q	N	Q
Office	824	733	443	273	Q	10	Q
Public Assembly	277	227	128	81	Q	3	Q
Public Order and Safety	71	70	32	24	Q	Q	Q
Religious Worship	370	315	171	139	Q	N	Q
Service	622	418	260	154	Q	Q	Q
Warehouse and Storage	597	243	163	85	Q	Q	Q
Other	79	55	32	20	Q	Q	Q
Vacant	182	47	21	27	N	Q	N
Year Constructed							
Before 1920	330	266	121	120	Q	Q	Q
1920 to 1945	527	367	139	212	15	Q	Q
1946 to 1959	562	416	212	191	Q	Q	Q
1960 to 1969	579	444	237	177	20	8	24
1970 to 1979	731	582	333	248	13	3	Q
1980 to 1989	707	531	347	170	Q	3	23
1990 to 1999	876	642	373	257	Q	Q	Q
2000 to 2003	334	224	146	70	Q	Q	Q
Census Region and Division							
Northeast	726	600	249	266	84	8	22
New England	233	188	92	38	53	Q	Q
Middle Atlantic	493	411	157	229	32	6	Q
Midwest	1,266	987	504	469	Q	6	44
East North Central	696	572	263	323	Q	3	Q
West North Central	571	415	241	146	Q	Q	Q
South	1,775	1,217	841	370	Q	7	35
South Atlantic	874	643	491	147	Q	Q	19
East South Central	348	227	153	72	N	Q	Q
West South Central	553	347	197	151	Q	Q	Q
West	878	668	316	340	Q	Q	Q
Mountain	299	256	109	140	Q	Q	Q
Pacific	580	413	207	201	Q	Q	Q

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			Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	4,645	3,472	1,910	1,445	94	27	128
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	855	683	324	312	41	4	28
5,500-7,000 HDD	1,173	926	454	440	33	8	29
4,000-5,499 HDD	673	554	314	203	19	7	Q
Fewer than 4,000 HDD	1,276	883	504	377	Q	6	28
2,000 CDD or More and --							
Fewer than 4,000 HDD	669	426	315	113	Q	Q	Q
Number of Workers (main shift)							
Fewer than 5	2,653	1,653	995	569	46	Q	78
5 to 9	778	675	365	297	Q	Q	Q
10 to 19	563	514	258	238	Q	Q	Q
20 to 49	398	384	183	203	Q	11	Q
50 to 99	147	142	59	83	Q	Q	Q
100 to 249	77	75	35	39	Q	5	Q
250 or More	30	30	15	15	1	3	Q
Weekly Operating Hours							
Fewer than 40	1,002	580	347	212	Q	Q	Q
40 to 48	1,117	856	519	318	Q	Q	Q
49 to 60	1,062	845	504	330	17	Q	Q
61 to 84	591	506	252	235	Q	5	Q
85 to 167	400	330	145	171	Q	4	Q
Open Continuously	475	356	142	178	23	7	27
Energy Sources (more than one may apply)							
Electricity	4,404	3,470	1,910	1,445	92	27	128
Natural Gas	2,391	2,126	757	1,445	19	6	Q
Fuel Oil	451	376	206	85	94	3	18
District Heat	67	61	25	15	Q	27	Q
District Chilled Water	33	31	9	14	Q	10	Q
Propane	502	428	268	27	25	Q	128
Other	132	95	58	20	Q	Q	Q
Primary Space-Heating Energy Source							
Electricity	1,258	999	823	184	Q	Q	15
Natural Gas	1,999	1,765	642	1,190	2	Q	Q
Fuel Oil	282	226	131	18	79	N	Q
District Heat	63	57	25	14	Q	25	N
Propane	308	252	163	N	Q	N	92
Other	72	38	Q	Q	Q	N	Q
Cooking Energy Sources (more than one may apply)							
Electricity	410	407	219	189	10	2	18
Natural Gas	457	451	116	354	14	2	N
Propane	108	101	40	Q	Q	Q	47

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			Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	4,645	3,472	1,910	1,445	94	27	128
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	3,337	1,815	1,407	87	27	124
Buildings with Cooling	3,625	3,112	1,708	1,326	62	25	109
Buildings with Water Heating	3,472	3,472	1,910	1,445	94	27	128
Buildings with Cooking	801	787	316	426	32	3	59
Buildings with Manufacturing	119	102	63	42	Q	Q	Q
Buildings with Electricity Generation	149	143	69	73	6	5	Q
Water Heating Equipment							
Centralized System	2,513	2,513	1,265	1,103	91	22	98
Distributed System	785	785	550	240	Q	Q	Q
Combination of Centralized and Distributed System	175	175	94	102	2	3	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.