

**Table B17. Energy Sources, Number of Buildings, 1999**

	Number of Buildings (thousand)								
	All Buildings	All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)						
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other <sup>a</sup>
<b>All Buildings</b> .....	4,657	4,403	4,395	2,670	434	117	50	451	153
<b>Building Floorspace (Square Feet)</b>									
1,001 to 5,000 .....	2,348	2,193	2,186	1,193	220	Q	Q	215	93
5,001 to 10,000 .....	1,110	1,036	1,036	684	74	Q	Q	124	Q
10,001 to 25,000 .....	708	689	688	448	65	24	Q	74	19
25,001 to 50,000 .....	257	253	253	176	28	19	7	17	7
50,001 to 100,000 .....	145	143	143	103	22	13	7	13	5
100,001 to 200,000 .....	59	59	59	42	13	7	5	6	Q
200,001 to 500,000 .....	23	23	23	18	9	3	2	2	Q
Over 500,000 .....	7	7	7	5	4	2	1	1	Q
<b>Principal Building Activity</b>									
Education .....	327	327	327	225	19	37	Q	17	7
Food Sales .....	174	173	173	88	Q	Q	N	Q	Q
Food Service .....	349	349	349	246	Q	Q	Q	78	Q
Health Care .....	127	127	127	73	14	3	2	Q	Q
Inpatient .....	11	11	11	9	9	3	2	Q	Q
Outpatient .....	116	116	116	63	Q	Q	Q	Q	Q
Lodging .....	153	153	153	104	7	18	Q	20	Q
Mercantile .....	667	667	667	439	87	Q	Q	37	38
Retail (Other Than Mall) .....	534	534	534	350	76	Q	Q	30	Q
Enclosed and Strip Malls .....	133	133	133	89	Q	N	Q	7	Q
Office .....	739	738	738	452	88	20	6	30	4
Public Assembly .....	305	299	299	187	24	15	Q	52	Q
Public Order and Safety .....	72	64	64	31	20	3	Q	Q	Q
Religious Worship .....	307	307	307	214	22	Q	Q	62	Q
Service .....	478	472	472	277	80	Q	Q	43	Q
Warehouse and Storage .....	603	496	496	226	18	Q	Q	50	Q
Other .....	102	98	98	40	Q	Q	Q	Q	Q
Vacant .....	253	130	123	68	Q	Q	N	Q	Q
<b>Year Constructed</b>									
1919 or Before .....	419	364	363	291	53	20	Q	Q	Q
1920 to 1945 .....	499	480	480	329	55	9	2	45	Q
1946 to 1959 .....	763	724	716	426	109	21	5	65	36
1960 to 1969 .....	665	628	628	406	65	18	7	72	12
1970 to 1979 .....	774	758	758	481	37	Q	Q	66	24
1980 to 1989 .....	846	781	781	389	70	16	Q	89	39
1990 to 1999 .....	690	669	669	349	45	15	4	94	Q
<b>Census Region</b>									
Northeast .....	686	640	639	311	218	31	2	112	21
Midwest .....	1,188	1,113	1,113	874	48	25	14	109	37
South .....	1,762	1,689	1,689	820	138	39	Q	167	64
West .....	1,021	961	954	665	30	22	13	62	Q
<b>Climate Zone: 45-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	525	491	491	329	73	3	Q	94	Q
5,500-7,000 HDD .....	986	924	924	652	123	22	6	91	29
4,000-5,499 HDD .....	1,085	1,029	1,029	551	185	46	Q	130	53
Fewer than 4,000 HDD .....	1,134	1,077	1,070	727	19	14	7	64	16
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	926	882	882	410	34	33	23	72	48

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<b>Workers (main shift)</b>									
Fewer than 5 .....	2,376	2,129	2,121	1,151	182	38	Q	215	83
5 to 9 .....	807	800	800	560	95	18	Q	71	Q
10 to 19 .....	683	683	683	424	54	15	Q	74	Q
20 to 49 .....	487	487	487	321	54	12	3	73	23
50 to 99 .....	174	174	174	118	17	19	10	11	5
100 to 249 .....	90	90	90	67	18	9	4	6	Q
250 or More .....	39	39	39	28	15	7	5	2	1
<b>Weekly Operating Hours</b>									
39 or Fewer .....	978	777	770	376	65	Q	Q	135	Q
40 to 48 .....	1,156	1,147	1,147	673	102	41	Q	98	36
49 to 60 .....	986	980	980	651	110	18	13	55	42
61 to 84 .....	664	649	649	447	63	17	6	56	29
85 to 167 .....	474	459	459	285	29	14	4	69	Q
Open Continuously .....	398	390	390	238	65	26	11	39	Q
<b>Ownership and Occupancy</b>									
Nongovernment Owned .....	4,135	3,905	3,898	2,366	386	67	21	415	144
Owner Occupied .....	2,801	2,747	2,747	1,605	311	53	13	355	126
Nonowner Occupied .....	1,099	1,069	1,069	719	75	Q	Q	57	17
Unoccupied .....	236	89	82	43	Q	N	N	Q	Q
Government Owned .....	521	498	498	304	48	50	29	36	9
<b>Vacancy Status</b>									
Completely Vacant .....	140	51	44	Q	N	N	N	Q	N
Mostly Vacant .....	113	80	79	40	Q	Q	N	Q	Q
Partially Vacant .....	697	636	636	370	51	Q	Q	57	Q
Not At All Vacant .....	3,707	3,636	3,636	2,232	376	94	36	390	129
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	4,395	4,395	4,395	2,663	434	117	50	451	153
Natural Gas .....	2,670	2,670	2,663	2,670	91	52	21	35	59
Fuel Oil .....	434	434	434	91	434	8	3	80	26
District Heat .....	117	117	117	52	8	117	43	Q	Q
District Chilled Water .....	50	50	50	21	3	43	50	Q	Q
Propane .....	451	451	451	35	80	Q	Q	451	36
Other .....	153	153	153	59	26	Q	Q	36	153
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	4,016	4,016	4,008	2,588	432	116	49	434	149
Buildings with Cooling .....	3,560	3,560	3,560	2,335	302	97	50	318	107
Buildings with Water Heating .....	3,239	3,239	3,239	2,191	288	101	37	334	89
Buildings with Cooking .....	857	857	857	615	92	28	6	158	47
Buildings with Manufacturing .....	151	151	151	77	35	Q	Q	Q	Q
Buildings with Electricity Generation .....	172	172	172	118	75	15	5	27	33
<b>Energy-Related Space Functions (more than one may apply)</b>									
Commercial Food Preparation .....	767	767	767	551	79	25	6	138	47
Activities with Large Amounts of Hot Water .....	698	698	698	542	77	47	20	108	29

<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 1999 Commercial Buildings Energy Consumption Survey.