

Table B22. Primary Space-Heating Energy Sources, Number of Buildings, 1999

	Number of Buildings (thousand)					
	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used ^f			
			Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings	4,657	4,016	1,128	2,189	302	77
Building Floorspace (Square Feet)						
1,001 to 5,000	2,348	1,982	591	1,028	167	Q
5,001 to 10,000	1,110	946	200	582	70	Q
10,001 to 25,000	708	629	195	336	40	13
25,001 to 50,000	257	237	79	122	14	16
50,001 to 100,000	145	137	39	76	7	12
100,001 to 200,000	59	57	18	30	3	6
200,001 to 500,000	23	22	5	12	2	3
Over 500,000	7	7	2	3	Q	2
Principal Building Activity						
Education	327	326	111	172	14	20
Food Sales	174	149	53	77	Q	Q
Food Service	349	321	87	176	Q	Q
Health Care	127	127	55	62	Q	3
Inpatient	11	11	Q	5	Q	2
Outpatient	116	116	55	57	Q	Q
Lodging	153	150	80	55	Q	13
Mercantile	667	626	187	360	50	Q
Retail (Other Than Mall)	534	502	126	305	43	Q
Enclosed and Strip Malls	133	123	61	54	Q	N
Office	739	728	252	376	64	18
Public Assembly	305	274	58	144	Q	15
Public Order and Safety	72	61	Q	28	Q	3
Religious Worship	307	306	29	200	Q	Q
Service	478	421	83	235	Q	Q
Warehouse and Storage	603	357	100	201	Q	Q
Other	102	84	Q	38	Q	Q
Vacant	253	84	Q	66	Q	Q
Year Constructed						
1919 or Before	419	350	21	250	50	19
1920 to 1945	499	430	60	299	41	9
1946 to 1959	763	666	181	346	86	14
1960 to 1969	665	557	105	345	45	15
1970 to 1979	774	691	233	383	20	6
1980 to 1989	846	713	311	282	35	10
1990 to 1999	690	608	218	284	Q	4
Census Region						
Northeast	686	601	76	254	190	24
Midwest	1,188	1,049	128	792	Q	21
South	1,762	1,503	672	598	92	16
West	1,021	863	253	545	Q	16
Climate Zone: 45-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	525	475	31	311	59	2
5,500-7,000 HDD	986	870	114	583	83	22
4,000-5,499 HDD	1,085	950	245	446	136	35
Fewer than 4,000 HDD	1,134	997	365	566	Q	7
2,000 CDD or More and --						
Fewer than 4,000 HDD	926	724	373	283	Q	11

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Workers (main shift)						
Fewer than 5	2,376	1,835	480	1,004	134	21
5 to 9	807	773	174	469	77	13
10 to 19	683	667	221	339	41	10
20 to 49	487	456	148	234	37	11
50 to 99	174	166	72	77	7	8
100 to 249	90	81	21	47	5	7
250 or More	39	38	12	19	1	6
Weekly Operating Hours						
39 or Fewer	978	638	119	343	51	Q
40 to 48	1,156	1,068	315	576	74	24
49 to 60	986	943	263	544	92	16
61 to 84	664	598	162	351	39	9
85 to 167	474	407	136	207	19	7
Open Continuously	398	361	132	167	28	20
Energy Sources (more than one may apply)						
Electricity	4,395	4,008	1,128	2,182	302	77
Natural Gas	2,670	2,588	331	2,189	25	33
Fuel Oil	434	432	64	54	302	6
District Heat	117	116	35	4	Q	77
District Chilled Water	50	49	Q	3	Q	28
Propane	451	434	57	24	62	Q
Other	153	149	38	41	Q	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	4,016	4,016	1,128	2,189	302	77
Buildings with Cooling	3,560	3,400	1,058	1,883	192	58
Buildings with Water Heating	3,239	3,087	867	1,759	205	70
Buildings with Cooking	857	798	210	438	58	13
Buildings with Manufacturing	151	143	51	58	Q	Q
Buildings with Electricity Generation	172	169	51	87	20	9
Percent of Floorspace Heated						
Not Heated	641	N	N	N	N	N
1 to 50	576	576	189	277	44	Q
51 to 99	627	627	165	365	45	15
100	2,813	2,813	774	1,547	213	61
Heating Equipment (more than one may apply)						
Heat Pumps	492	492	373	97	Q	3
Furnaces	1,460	1,460	192	1,017	119	Q
Individual Space Heaters	894	894	213	498	79	5
District Heat	96	96	Q	2	Q	77
Boilers	581	581	40	364	136	Q
Packaged Heating Units	1,347	1,347	494	758	Q	4
Other	185	185	62	60	Q	Q

^a Additionally, 282,000 buildings used propane; 38,000 buildings used wood, coal, or some other energy source; and no buildings 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.

Notes: 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.