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Table B28. Primary space-heating energy sources, number of buildings, 2012

	Number of buildings (thousand)					
	All buildings	Buildings with space heating	Primary space-heating energy source used ¹			
			Electricity	Natural gas	Fuel oil	District heat
All buildings	5,557	4,722	1,819	2,322	205	47
Building floorspace (square feet)						
1,001 to 5,000	2,777	2,257	928	1,025	119	Q
5,001 to 10,000	1,229	1,046	398	520	37	Q
10,001 to 25,000	884	797	280	433	32	Q
25,001 to 50,000	332	304	106	174	Q	6
50,001 to 100,000	199	187	70	97	6	10
100,001 to 200,000	90	86	27	48	2	9
200,001 to 500,000	38	36	8	23	Q	5
Over 500,000	8	8	2	4	Q	2
Principal building activity						
Education	389	379	154	182	17	12
Food sales	177	160	88	56	Q	N
Food service	380	359	146	183	Q	Q
Health care	157	153	60	82	5	2
Inpatient	10	9	Q	5	Q	1
Outpatient	147	144	58	77	Q	Q
Lodging	158	153	93	45	Q	4
Mercantile	602	572	229	283	Q	Q
Retail (other than mall)	438	412	160	192	Q	Q
Enclosed and strip malls	164	160	68	91	Q	Q
Office	1,012	989	424	493	32	12
Public assembly	352	330	94	164	Q	7
Public order and safety	84	81	Q	45	Q	Q
Religious worship	412	408	132	199	Q	N
Service	619	528	127	290	48	Q
Warehouse and storage	796	420	180	213	Q	Q
Other	125	100	36	47	Q	Q
Vacant	296	87	38	39	Q	Q
Year constructed						
Before 1920	362	322	72	176	40	5
1920 to 1945	488	413	109	248	25	7
1946 to 1959	599	517	187	266	29	5
1960 to 1969	639	559	161	326	37	9
1970 to 1979	684	599	219	311	Q	10
1980 to 1989	915	754	363	336	Q	2
1990 to 1999	845	675	269	320	20	2
2000 to 2003	375	322	145	132	Q	4
2004 to 2007	347	291	161	105	Q	2
2008 to 2012	303	270	133	103	Q	Q

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Census region and division						
Northeast	805	727	138	361	141	15
New England	302	264	38	75	93	Q
Middle Atlantic	504	463	100	286	48	9
Midwest	1,237	1,096	193	768	Q	6
East North Central	735	670	90	530	Q	3
West North Central	502	426	102	238	Q	4
South	2,247	1,842	1,043	647	32	18
South Atlantic	1,091	873	557	239	21	8
East South Central	370	336	153	140	Q	Q
West South Central	786	633	334	268	Q	5
West	1,267	1,057	445	547	Q	7
Mountain	338	293	80	187	Q	Q
Pacific	929	764	365	360	Q	5
Climate region²						
Very cold/Cold	2,031	1,792	338	1,102	155	17
Mixed-humid	1,743	1,545	651	709	51	20
Mixed-dry/Hot-dry	837	676	332	315	N	4
Hot-humid	799	593	466	114	N	Q
Marine	147	116	Q	82	N	Q
Number of workers (main shift)						
Fewer than 5	2,892	2,184	788	1,040	136	Q
5 to 9	1,085	1,020	467	451	33	Q
10 to 19	731	692	269	370	Q	Q
20 to 49	513	494	186	274	Q	11
50 to 99	206	203	74	112	7	7
100 to 249	93	92	24	58	2	7
250 or more	37	37	11	18	Q	6
Weekly operating hours						
Fewer than 40	1,149	815	282	384	40	Q
40 to 48	1,346	1,230	472	613	64	7
49 to 60	1,244	1,143	425	593	43	11
61 to 84	764	672	263	348	25	8
85 to 167	479	414	176	200	Q	6
Open continuously	575	448	200	184	22	11

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Ownership and occupancy						
Nongovernment owned	4,781	4,028	1,600	1,944	176	21
Owner occupied	2,466	2,198	834	1,025	109	13
Leased to tenant(s)	1,745	1,458	611	735	52	Q
Owner occupied and leased	349	325	136	163	Q	2
Unoccupied	221	47	Q	21	Q	Q
Government owned	776	694	219	378	29	26
Federal	33	33	Q	17	Q	1
State	185	168	58	81	Q	18
Local	558	493	149	281	26	7
Energy sources (more than one may apply)						
Electricity	5,234	4,717	1,819	2,322	205	47
Natural gas	2,933	2,888	509	2,322	15	17
Fuel oil	467	455	85	114	205	10
District heat	48	48	Q	Q	Q	47
District chilled water	54	51	20	6	N	26
Propane	510	491	122	45	47	Q
Other	172	172	33	47	Q	1
Energy end uses (more than one may apply)						
Buildings with space heating	4,722	4,722	1,819	2,322	205	47
Buildings with cooling	4,461	4,272	1,728	2,126	135	43
Buildings with water heating	4,423	4,237	1,599	2,148	169	44
Buildings with cooking	1,589	1,525	558	774	58	13
Buildings with manufacturing	259	234	87	124	Q	Q
Buildings with electricity generation	410	400	131	199	25	15
Percent of floorspace heated						
Not heated	835	N	N	N	N	N
1 to 50	697	697	369	244	31	Q
51 to 99	727	727	275	370	28	7
100	3,298	3,298	1,175	1,709	146	40
Heating equipment (more than one may apply)						
Heat pumps	628	628	484	117	Q	2
Furnaces	755	755	191	485	Q	Q
Individual space heaters	1,247	1,247	392	622	81	8
District heat	48	48	Q	Q	Q	47
Boilers	544	544	83	355	71	Q
Packaged heating units	2,802	2,802	1,057	1,506	85	3
Other	62	62	14	27	Q	Q

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¹Additionally, 261,000 buildings used propane and 67,000 buildings used wood, coal, or some other energy source for primary space heating.

²These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.

N = No cases in reporting sample.

Notes: • Because of rounding, data may not sum to totals. • See *Guide to the 2012 CBECS Detailed Tables* or *CBECS Terminology* for definition of terms used in these tables and/or comparison of differences with prior CBECS tables. Both references can be accessed from <http://www.eia.gov/consumption/commercial/data/2012/>

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Form EIA-871A of the 2012 Commercial Buildings Energy Consumption Survey.