

Buildings Characteristics

Energy Sources and End Use Tables

(27 pages, 152 kb)

CONTENTS	PAGES
Table 18. Energy Sources, Number of Buildings, 1995	2
Table 19. Energy Sources, Floorspace, 1995	2
Table 20. Energy End Uses, Number of Buildings and Floorspace, 1995	2
Table 21. Space-Heating Energy Sources, Number of Buildings, 1995	3
Table 22. Space-Heating Energy Sources, Floorspace, 1995	3
Table 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995	3
Table 24. Primary Space-Heating Energy Sources, Floorspace, 1995	3
Table 25. Cooling Energy Sources, Number of Buildings and Floorspace, 1995	3
Table 26. Water-Heating Energy Sources, Number of Buildings, 1995	2
Table 27. Water-Heating Energy Sources, Floorspace, 1995	2
Table 28. Cooking Energy Sources, Number of Buildings and Floorspace, 1995, 1995	2

These data are from the 1995 Commercial Buildings Energy Consumption Survey (CBECS), a national probability sample survey of commercial buildings sponsored by the Energy Information Administration, that provides information on the use of energy in commercial buildings in the United States. The 1995 CBECS was the sixth survey in a series begun in 1979. The data were collected from a sample of 6,639 buildings representing 4.6 million commercial buildings and 58.8 billion square feet of commercial floorspace in the U.S. The 1995 data are available for the four Census regions and nine Census division.

Data provided here are in the public domain and may be reproduced without permission. appropriate credit would be appreciated. A suggested citation is "U.S. Department of Energy, Energy Information Administration, "A Look at Commercial Buildings in 1995: Characteristics, Energy Consumption, and Energy Expenditures."

Electronic Products and Services

Users can view and download selected pages, sections, or entire reports, search for information, download data and analysis applications, and find out about new information products and services.

Contact: Martha Johnson, Survey Manager (martha.johnson@eia.doe.gov)

World Wide Web: <http://www.eia.doe.gov/emeu/consumption>

Table 18. Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	1.2	1.6	1.9	1.4	2.3	
All Buildings	4,579	4,364	4,343	2,478	607	110	53	589	126	9.0
Building Floorspace (Square Feet)										
1,001 to 5,000	2,399	2,265	2,252	1,112	333	Q	Q	354	82	10.4
5,001 to 10,000	1,035	977	970	614	96	Q	Q	117	Q	15.6
10,001 to 25,000	745	724	724	474	92	25	Q	89	Q	15.5
25,001 to 50,000	213	212	211	146	31	18	7	16	Q	11.2
50,001 to 100,000	115	115	114	82	28	11	5	9	Q	11.4
100,001 to 200,000	48	47	47	33	14	8	5	3	Q	11.9
200,001 to 500,000	19	19	19	13	10	4	2	1	Q	13.0
Over 500,000	6	6	6	4	4	1	1	Q	Q	13.5
Principal Building Activity										
Education	309	309	309	204	37	36	26	35	Q	21.3
Food Sales	137	137	137	58	Q	Q	Q	Q	Q	30.2
Food Service	285	285	285	184	Q	Q	Q	82	Q	19.4
Health Care	105	105	105	51	18	4	2	Q	Q	26.8
Lodging	158	158	158	110	9	11	Q	27	Q	22.3
Mercantile and Service	1,289	1,288	1,274	792	223	Q	Q	170	78	14.7
Office	705	705	705	438	97	20	5	56	Q	16.4
Public Assembly	326	326	326	189	54	9	Q	54	Q	26.0
Public Order and Safety	87	87	87	37	Q	Q	Q	Q	Q	48.8
Religious Worship	269	269	269	159	42	Q	Q	64	Q	24.5
Warehouse and Storage	580	478	477	173	38	Q	Q	29	Q	25.2
Other	67	67	67	21	7	Q	Q	Q	Q	53.8
Vacant	261	150	144	61	23	Q	Q	Q	Q	33.5
Year Constructed										
1919 or Before	353	335	335	256	70	22	Q	Q	Q	25.9
1920 to 1945	562	519	508	353	81	20	Q	61	Q	19.3
1946 to 1959	867	845	838	528	142	13	5	76	Q	13.7
1960 to 1969	718	698	695	403	120	23	10	104	Q	16.4
1970 to 1979	813	809	809	444	60	Q	Q	122	Q	14.7
1980 to 1989	846	792	792	357	98	7	7	142	Q	17.6
1990 to 1992	218	204	204	92	13	Q	Q	29	Q	30.6
1993 to 1995	202	162	162	46	Q	Q	Q	35	Q	39.0
Census Region										
Northeast	725	707	697	316	282	24	3	170	Q	17.0
Midwest	1,139	1,074	1,074	777	96	35	Q	137	Q	18.7
South	1,750	1,657	1,648	805	196	32	24	220	Q	15.6
West	964	925	925	580	33	18	10	62	Q	19.4
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and -- More than 7,000 HDD	493	466	466	265	110	3	Q	117	Q	24.5
5,500 to 7,000 HDD	975	943	936	626	149	30	8	140	Q	15.2
4,000 to 5,499 HDD	1,070	1,012	1,006	490	259	44	16	141	Q	26.1
Fewer than 4,000 HDD	1,103	1,052	1,051	674	52	10	6	117	Q	21.7
More than 2,000 CDD and -- Fewer than 4,000 HDD	937	891	885	423	38	Q	Q	75	Q	23.4

See footnotes at end of table.

Table 18. Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	1.2	1.6	1.9	1.4	2.3	
Workers (main shift)										
Fewer than 5	2,505	2,290	2,274	1,155	324	34	Q	312	97	12.2
5 to 9	798	798	797	538	79	15	Q	107	Q	19.1
10 to 19	625	625	625	358	94	Q	Q	103	Q	17.0
20 to 49	400	400	397	261	52	16	8	43	Q	16.7
50 to 99	138	138	137	90	21	17	8	12	Q	15.2
100 to 249	71	71	71	50	19	8	3	4	Q	14.1
250 or More	43	43	43	25	18	9	5	Q	Q	16.1
Weekly Operating Hours										
39 or Fewer	899	755	746	343	116	Q	Q	121	Q	19.9
40 to 48	1,257	1,255	1,254	718	162	23	Q	157	Q	14.0
49 to 60	969	956	950	596	138	23	11	89	Q	16.8
61 to 84	567	566	566	365	68	12	8	73	Q	18.9
85 to 167	420	407	407	216	44	11	7	75	Q	18.7
Open Continuously	466	424	421	239	80	32	Q	73	Q	17.7
Ownership and Occupancy										
Nongovernment Owned	4,025	3,827	3,810	2,190	509	50	19	510	125	9.9
Owner Occupied	3,158	3,076	3,062	1,750	453	44	14	434	115	10.7
Nonowner Occupied	698	672	669	413	54	Q	Q	75	Q	17.9
Unoccupied	170	79	79	Q	Q	Q	Q	Q	Q	42.0
Government Owned	553	537	533	288	98	60	34	79	Q	16.4
Energy Sources (more than one may apply)										
Electricity	4,343	4,343	4,343	2,476	595	110	53	589	119	9.0
Natural Gas	2,478	2,478	2,476	2,478	155	30	17	105	38	10.5
Fuel Oil	607	607	595	155	607	20	Q	144	Q	18.5
District Heat	110	110	110	30	20	110	47	Q	Q	26.9
District Chilled Water	53	53	53	17	Q	47	53	Q	Q	32.7
Propane	589	589	589	105	144	Q	Q	589	Q	19.7
Other	213	213	206	88	64	Q	Q	36	126	26.7
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,024	4,024	4,004	2,456	607	109	52	579	126	9.2
Buildings with Cooling	3,381	3,381	3,376	2,131	388	95	53	431	34	10.3
Buildings with Water Heating	3,486	3,486	3,472	2,201	504	96	49	477	78	9.9
Buildings with Cooking	828	828	827	549	122	17	10	172	Q	12.6
Buildings with Manufacturing	204	204	204	104	17	Q	Q	31	Q	32.6
Buildings with Electricity Generation	247	247	246	159	138	21	7	69	Q	18.8
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	828	828	827	549	122	17	10	172	Q	12.6
Computer Room	234	234	234	170	51	21	Q	23	Q	21.6
Activities with Large Amounts of Hot Water	243	243	243	153	50	10	2	34	Q	24.3

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 19. Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	0.9	1.3	1.6	1.6	3.3	
All Buildings	58,772	57,309	57,076	38,145	14,421	5,658	2,521	5,344	699	6.7
Building Floorspace (Square Feet)										
1,001 to 5,000	6,338	6,008	5,953	2,942	946	Q	Q	997	195	10.1
5,001 to 10,000	7,530	7,102	7,061	4,497	679	Q	Q	881	Q	15.7
10,001 to 25,000	11,617	11,310	11,303	7,561	1,425	370	239	1,342	Q	16.1
25,001 to 50,000	7,676	7,641	7,635	5,242	1,164	651	275	562	Q	12.0
50,001 to 100,000	7,968	7,925	7,902	5,608	1,968	744	348	637	Q	11.6
100,001 to 200,000	6,776	6,691	6,599	4,643	2,096	1,119	587	482	Q	12.6
200,001 to 500,000	5,553	5,550	5,550	3,941	2,928	1,211	557	290	Q	13.5
Over 500,000	5,313	5,082	5,074	3,712	3,215	1,351	432	Q	Q	15.0
Principal Building Activity										
Education	7,740	7,740	7,685	5,800	2,348	1,077	653	876	Q	13.7
Food Sales	642	642	642	401	Q	Q	Q	Q	Q	25.2
Food Service	1,353	1,353	1,353	1,001	Q	Q	Q	351	Q	22.4
Health Care	2,333	2,333	2,333	1,759	1,576	640	403	193	Q	13.0
Lodging	3,618	3,618	3,601	2,828	847	616	Q	347	Q	19.3
Mercantile and Service	12,728	12,718	12,630	8,520	2,550	Q	Q	1,512	397	13.6
Office	10,478	10,475	10,466	6,521	3,554	1,532	568	416	Q	11.6
Public Assembly	3,948	3,948	3,929	2,662	1,050	636	372	353	Q	17.1
Public Order and Safety	1,271	1,271	1,271	746	493	327	Q	Q	Q	30.9
Religious Worship	2,792	2,792	2,792	2,001	441	Q	Q	449	Q	20.6
Warehouse and Storage	8,481	8,037	8,016	4,595	810	Q	Q	465	Q	17.4
Other	1,004	1,000	1,000	654	375	170	Q	Q	Q	37.2
Vacant	2,384	1,382	1,358	658	244	Q	Q	Q	Q	26.2
Year Constructed										
1919 or Before	3,673	3,527	3,527	2,643	1,085	556	Q	Q	Q	19.2
1920 to 1945	6,710	6,284	6,175	4,560	1,241	864	187	414	Q	15.8
1946 to 1959	9,298	9,166	9,123	6,470	1,997	939	322	634	Q	14.5
1960 to 1969	10,858	10,665	10,649	7,170	2,871	1,408	527	1,136	Q	11.7
1970 to 1979	11,333	11,267	11,245	7,375	2,936	965	674	1,130	Q	10.5
1980 to 1989	12,252	11,930	11,909	7,181	3,112	508	400	1,256	Q	11.2
1990 to 1992	2,590	2,555	2,544	1,659	607	258	Q	228	Q	18.0
1993 to 1995	2,059	1,917	1,905	1,087	572	Q	Q	398	Q	21.0
Census Region										
Northeast	11,883	11,528	11,444	7,108	5,423	1,768	291	1,689	Q	12.6
Midwest	14,322	13,973	13,887	10,905	2,681	1,902	778	1,093	Q	12.6
South	20,830	20,206	20,158	12,291	4,175	1,038	919	2,012	Q	11.8
West	11,736	11,602	11,587	7,841	2,142	949	533	550	Q	15.5
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and -- More than 7,000 HDD	5,098	5,002	4,934	3,399	1,798	267	Q	1,092	Q	18.7
5,500 to 7,000 HDD	14,597	14,402	14,356	10,754	3,724	1,919	624	1,220	Q	13.6
4,000 to 5,499 HDD	15,155	14,623	14,559	9,094	5,250	2,292	632	1,325	Q	14.3
Fewer than 4,000 HDD	13,491	13,285	13,268	9,598	2,343	537	432	978	Q	16.7
More than 2,000 CDD and -- Fewer than 4,000 HDD	10,430	9,997	9,960	5,300	1,307	643	726	730	Q	18.3

See footnotes at end of table.

Table 19. Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	0.9	1.3	1.6	1.6	3.3	
Workers (main shift)										
Fewer than 5	13,885	12,426	12,342	6,581	1,674	423	Q	1,510	291	13.0
5 to 9	6,291	6,291	6,270	4,482	791	303	Q	702	Q	17.3
10 to 19	7,102	7,102	7,102	4,696	872	258	Q	877	Q	14.5
20 to 49	9,132	9,132	9,103	6,627	1,436	617	250	780	Q	12.3
50 to 99	6,931	6,931	6,860	4,762	1,652	713	366	654	Q	12.7
100 to 249	5,988	5,988	5,975	4,286	2,210	886	356	435	Q	13.1
250 or More	9,443	9,440	9,425	6,712	5,787	2,458	1,172	387	Q	11.3
Weekly Operating Hours										
39 or Fewer	6,134	4,979	4,932	2,657	710	Q	Q	644	Q	16.8
40 to 48	13,233	13,206	13,142	8,541	1,953	762	350	1,279	Q	14.3
49 to 60	12,242	12,191	12,134	8,002	2,790	970	409	931	Q	12.5
61 to 84	10,052	10,037	10,021	7,048	2,785	628	381	944	Q	12.6
85 to 167	6,202	6,175	6,159	3,966	1,502	840	395	627	Q	14.4
Open Continuously	10,908	10,721	10,688	7,931	4,682	2,320	919	919	Q	10.6
Ownership and Occupancy										
Nongovernment Owned	46,696	45,370	45,225	30,256	10,617	2,789	1,200	4,239	641	8.0
Owner Occupied	35,573	35,216	35,111	23,956	9,485	2,482	1,063	3,452	605	8.3
Nonowner Occupied	9,697	9,558	9,518	6,077	1,101	303	Q	760	Q	16.3
Unoccupied	1,426	596	596	Q	Q	Q	Q	Q	Q	39.6
Government Owned	12,076	11,940	11,851	7,889	3,805	2,869	1,321	1,105	Q	10.1
Energy Sources (more than one may apply)										
Electricity	57,076	57,076	57,076	38,009	14,345	5,646	2,517	5,340	605	6.8
Natural Gas	38,145	38,145	38,009	38,145	9,262	2,343	1,287	1,565	259	7.9
Fuel Oil	14,421	14,421	14,345	9,262	14,421	2,174	1,076	1,675	Q	9.8
District Heat	5,658	5,658	5,646	2,343	2,174	5,658	2,140	Q	Q	12.8
District Chilled Water	2,521	2,521	2,517	1,287	1,076	2,140	2,521	Q	Q	15.3
Propane	5,344	5,344	5,340	1,565	1,675	Q	Q	5,344	Q	17.8
Other	2,336	2,336	2,232	1,485	797	303	Q	210	699	21.0
Energy End Uses (more than one may apply)										
Buildings with Space Heating	54,347	54,344	54,110	37,950	14,236	5,642	2,479	5,281	699	6.9
Buildings with Cooling	49,935	49,931	49,785	35,100	12,904	5,128	2,521	4,520	370	7.2
Buildings with Water Heating	51,560	51,556	51,363	36,284	13,959	5,424	2,442	4,934	521	7.1
Buildings with Cooking	20,713	20,713	20,611	15,968	8,018	2,031	982	2,322	Q	8.4
Buildings with Manufacturing	3,893	3,893	3,885	2,542	718	Q	Q	521	Q	18.1
Buildings with Electricity Generation	13,366	13,366	13,347	10,331	9,576	2,434	1,171	1,466	Q	9.6
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	20,713	20,713	20,611	15,968	8,018	2,031	982	2,322	Q	8.4
Computer Room	12,890	12,887	12,821	9,426	5,978	2,507	1,226	796	Q	9.8
Activities with Large Amounts of Hot Water	6,753	6,753	6,750	5,202	2,945	898	344	629	Q	13.5

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 20. Energy End Uses, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Energy Used For: (more than one may apply)					All Buildings	Energy Used For: (more than one may apply)					
		Space Heating	Cooling	Water Heating	Cooking	Manufacturing		Space Heating	Cooling	Water Heating	Cooking	Manufacturing	
		0.9	0.9	0.9	0.9	1.3		2.9	0.7	0.7	0.7	0.7	
RSE Column Factor:	0.9	0.9	0.9	0.9	1.3	2.9	0.7	0.7	0.7	0.7	0.9	2.2	
All Buildings	4,579	4,024	3,381	3,486	828	204	58,772	54,347	49,935	51,560	20,713	3,893	4.8
Building Floorspace (Square Feet)													
1,001 to 5,000	2,399	2,060	1,650	1,689	339	69	6,338	5,506	4,376	4,617	922	207	7.7
5,001 to 10,000	1,035	899	754	780	175	51	7,530	6,546	5,531	5,652	1,319	357	11.3
10,001 to 25,000	745	685	619	644	169	55	11,617	10,706	9,712	10,053	2,731	883	9.8
25,001 to 50,000	213	198	187	195	66	15	7,676	7,157	6,760	7,060	2,433	563	7.8
50,001 to 100,000	115	111	103	110	42	8	7,968	7,699	7,178	7,611	2,939	560	7.9
100,001 to 200,000	48	46	44	45	22	5	6,776	6,456	6,175	6,269	3,028	672	8.9
200,001 to 500,000	19	18	18	18	12	Q	5,553	5,371	5,235	5,303	3,482	Q	9.3
Over 500,000	6	6	6	6	4	1	5,313	4,906	4,968	4,995	3,859	480	11.4
Principal Building Activity													
Education	309	309	249	258	113	Q	7,740	7,740	6,741	7,515	4,881	418	11.4
Food Sales	137	124	128	125	51	Q	642	609	612	599	351	Q	17.0
Food Service	285	274	272	279	241	Q	1,353	1,299	1,310	1,342	1,254	Q	14.2
Health Care	105	105	105	105	18	Q	2,333	2,333	2,323	2,327	1,631	Q	17.0
Lodging	158	158	126	158	51	Q	3,618	3,608	3,193	3,609	2,064	Q	14.0
Mercantile and Service	1,289	1,217	916	916	135	69	12,728	12,227	11,086	10,925	4,362	1,067	9.9
Office	705	704	690	678	19	10	10,478	10,458	10,360	10,278	2,750	457	8.4
Public Assembly	326	310	246	276	109	Q	3,948	3,836	3,394	3,632	1,610	Q	15.0
Public Order and Safety	87	81	38	69	4	Q	1,271	1,154	856	1,018	260	Q	27.7
Religious Worship	269	269	223	248	72	Q	2,792	2,791	2,414	2,685	957	Q	15.5
Warehouse and Storage	580	325	262	251	Q	41	8,481	6,419	5,991	5,845	311	1,047	16.3
Other	67	53	53	43	Q	30	1,004	907	921	893	Q	475	28.4
Vacant	261	95	73	81	Q	Q	2,384	966	732	892	Q	Q	21.3
Year Constructed													
1919 or Before	353	316	260	287	77	Q	3,673	3,429	2,818	3,206	1,272	Q	15.6
1920 to 1945	562	496	382	429	100	32	6,710	5,951	5,038	5,349	1,555	622	12.8
1946 to 1959	867	769	617	656	129	31	9,298	8,701	7,549	8,136	3,177	502	10.7
1960 to 1969	718	652	508	562	147	35	10,858	10,024	8,978	9,722	4,207	524	9.7
1970 to 1979	813	722	688	632	142	36	11,333	10,489	10,389	10,117	4,344	649	8.8
1980 to 1989	846	741	657	667	168	36	12,252	11,462	11,174	11,105	4,301	998	9.3
1990 to 1992	218	189	161	145	42	Q	2,590	2,467	2,345	2,263	1,082	Q	15.7
1993 to 1995	202	141	108	108	23	Q	2,059	1,824	1,644	1,661	774	Q	21.6
Census Region													
Northeast	725	657	451	602	141	30	11,883	11,180	9,523	10,778	4,634	683	11.6
Midwest	1,139	1,006	811	849	176	49	14,322	13,511	12,033	12,517	4,785	1,057	10.1
South	1,750	1,547	1,433	1,250	310	68	20,830	18,900	18,606	17,511	7,173	1,456	7.4
West	964	815	687	785	202	58	11,736	10,756	9,772	10,754	4,121	697	11.6
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and -- More than 7,000 HDD	493	443	321	384	96	28	5,098	4,901	4,115	4,499	1,511	476	17.2
5,500 to 7,000 HDD	975	877	656	771	157	27	14,597	13,937	11,903	13,291	5,610	701	9.6
4,000 to 5,499 HDD	1,070	927	714	822	203	53	15,155	14,147	12,620	13,546	5,758	1,024	13.8
Fewer than 4,000 HDD	1,103	955	887	864	208	45	13,491	12,350	11,981	11,982	4,570	807	13.6
More than 2,000 CDD and -- Fewer than 4,000 HDD	937	822	803	645	164	51	10,430	9,014	9,315	8,241	3,263	884	12.3

See footnotes at end of table.

Table 20. Energy End Uses, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Energy Used For: (more than one may apply)					All Buildings	Energy Used For: (more than one may apply)					
		Space Heating	Cooling	Water Heating	Cooking	Manufacturing		Space Heating	Cooling	Water Heating	Cooking	Manufacturing	
		0.9	0.9	0.9	0.9	1.3		2.9	0.7	0.7	0.7	0.7	
RSE Column Factor:	0.9	0.9	0.9	0.9	1.3	2.9	0.7	0.7	0.7	0.7	0.9	2.2	
Workers (main shift)													
Fewer than 5	2,505	2,013	1,542	1,587	283	100	13,885	10,663	8,324	8,772	1,609	608	9.1
5 to 9	798	770	691	705	150	27	6,291	6,086	5,260	5,610	1,272	288	12.2
10 to 19	625	608	549	580	163	21	7,102	6,905	6,449	6,566	1,686	457	10.0
20 to 49	400	390	361	377	135	41	9,132	8,899	8,302	8,763	3,515	884	9.0
50 to 99	138	131	129	127	52	8	6,931	6,642	6,379	6,622	3,362	528	9.3
100 to 249	71	69	69	69	24	5	5,988	5,880	5,872	5,903	2,825	515	9.8
250 or More	43	43	41	42	20	2	9,443	9,272	9,349	9,324	6,444	612	12.0
Weekly Operating Hours													
39 or Fewer	899	620	399	466	92	Q	6,134	4,032	2,845	3,290	872	Q	13.2
40 to 48	1,257	1,207	1,047	1,035	144	97	13,233	12,672	11,401	11,585	2,806	1,237	8.7
49 to 60	969	907	795	742	104	49	12,242	11,658	10,897	10,765	3,379	922	9.6
61 to 84	567	541	446	494	180	21	10,052	9,635	9,212	9,535	5,017	592	10.3
85 to 167	420	366	344	375	212	9	6,202	5,880	5,644	5,928	3,064	301	10.4
Open Continuously	466	385	350	375	96	8	10,908	10,469	9,936	10,457	5,575	671	10.0
Energy Sources (more than one may apply)													
Electricity	4,343	4,004	3,376	3,472	827	204	57,076	54,110	49,785	51,363	20,611	3,885	4.8
Natural Gas	2,478	2,456	2,131	2,201	549	104	38,145	37,950	35,100	36,284	15,968	2,542	5.6
Fuel Oil	607	607	388	504	122	17	14,421	14,236	12,904	13,959	8,018	718	11.2
District Heat	110	109	95	96	17	Q	5,658	5,642	5,128	5,424	2,031	Q	16.8
District Chilled Water	53	52	53	49	10	Q	2,521	2,479	2,521	2,442	982	Q	21.3
Propane	589	579	431	477	172	31	5,344	5,281	4,520	4,934	2,322	521	15.5
Other	213	210	107	158	30	Q	2,336	2,312	1,943	2,024	945	Q	20.8
Energy End Uses (more than one may apply)													
Buildings with Space Heating	4,024	4,024	3,326	3,418	804	181	54,347	54,347	49,090	50,796	20,338	3,689	4.9
Buildings with Cooling	3,381	3,326	3,381	2,968	724	165	49,935	49,090	49,935	47,249	19,465	3,587	4.8
Buildings with Water Heating	3,486	3,418	2,968	3,486	816	169	51,560	50,796	47,249	51,560	20,632	3,666	4.9
Buildings with Cooking	828	804	724	816	828	27	20,713	20,338	19,465	20,632	20,713	1,004	6.4
Buildings with Manufacturing	204	181	165	169	27	204	3,893	3,689	3,587	3,666	1,004	3,893	14.4
Buildings with Electricity Generation	247	246	206	238	65	8	13,366	13,165	12,986	13,239	8,345	594	9.9
Energy-Related Space Functions (more than one may apply)													
Commercial Food Preparation	828	804	724	816	828	27	20,713	20,338	19,465	20,632	20,713	1,004	6.4
Computer Room	234	231	234	230	55	25	12,890	12,731	12,890	12,726	6,634	1,130	9.4
Activities with Large Amounts of Hot Water	243	233	200	243	84	3	6,753	6,658	6,354	6,753	4,632	255	12.5

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 21. Space-Heating Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)					RSE Row Factor	
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane		Wood
RSE Column Factor:	0.5	0.5	0.8	0.6	1.4	1.4	1.7	2.4	
All Buildings	4,579	4,024	1,467	2,211	504	109	301	103	9.1
Building Floorspace (Square Feet)									
1,001 to 5,000	2,399	2,060	687	1,019	312	Q	205	Q	10.7
5,001 to 10,000	1,035	899	330	559	81	Q	53	Q	16.4
10,001 to 25,000	745	685	296	398	73	25	33	Q	16.7
25,001 to 50,000	213	198	82	125	17	17	6	Q	12.2
50,001 to 100,000	115	111	45	69	12	11	3	Q	12.0
100,001 to 200,000	48	46	16	28	6	8	Q	Q	12.4
200,001 to 500,000	19	18	8	10	3	4	Q	Q	13.6
Over 500,000	6	6	3	3	1	1	Q	Q	15.7
Principal Building Activity									
Education	309	309	96	180	26	36	11	Q	22.2
Food Sales	137	124	63	44	Q	Q	Q	Q	29.0
Food Service	285	274	115	140	Q	Q	Q	Q	22.4
Health Care	105	105	53	42	11	4	Q	Q	33.5
Lodging	158	158	93	66	Q	11	Q	Q	23.0
Mercantile and Service	1,289	1,217	355	732	210	Q	69	63	15.2
Office	705	704	285	412	72	20	Q	Q	17.2
Public Assembly	326	310	85	185	46	9	Q	Q	27.7
Public Order and Safety	87	81	21	29	Q	Q	Q	Q	50.8
Religious Worship	269	269	96	145	41	Q	Q	Q	25.2
Warehouse and Storage	580	325	136	168	29	Q	25	Q	28.5
Other	67	53	36	14	Q	Q	Q	Q	62.2
Vacant	261	95	34	54	16	Q	Q	Q	31.7
Year Constructed									
1919 or Before	353	316	53	230	62	22	Q	Q	28.0
1920 to 1945	562	496	112	335	70	20	Q	Q	21.0
1946 to 1959	867	769	244	473	133	13	29	Q	15.1
1960 to 1969	718	652	219	347	91	23	49	Q	17.1
1970 to 1979	813	722	296	395	45	Q	53	Q	15.8
1980 to 1989	846	741	385	306	73	7	100	Q	17.2
1990 to 1992	218	189	99	81	Q	Q	Q	Q	29.1
1993 to 1995	202	141	60	43	Q	Q	Q	Q	41.2
Census Region									
Northeast	725	657	150	250	267	24	60	Q	19.4
Midwest	1,139	1,006	220	747	67	35	84	Q	19.3
South	1,750	1,547	730	694	160	32	143	Q	15.1
West	964	815	367	521	Q	18	Q	Q	18.9
Climate Zone: 45-Year Average									
Fewer than 2,000 CDD and -- More than 7,000 HDD	493	443	131	248	89	3	62	Q	23.5
5,500 to 7,000 HDD	975	877	172	601	131	30	55	Q	16.4
4,000 to 5,499 HDD	1,070	927	302	417	229	44	81	Q	25.7
Fewer than 4,000 HDD	1,103	955	427	594	29	10	68	Q	23.9
More than 2,000 CDD and -- Fewer than 4,000 HDD	937	822	435	351	26	Q	Q	Q	24.1

See footnotes at end of table.

Table 21. Space-Heating Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.8	0.6	1.4	1.4	1.7	2.4	
Workers (main shift)									
Fewer than 5	2,505	2,013	621	1,046	305	34	192	76	13.1
5 to 9	798	770	270	494	62	15	43	Q	20.0
10 to 19	625	608	269	324	91	Q	37	Q	18.0
20 to 49	400	390	199	207	25	16	19	Q	16.9
50 to 99	138	131	54	78	10	17	Q	Q	16.2
100 to 249	71	69	33	41	7	8	Q	Q	14.7
250 or More	43	43	21	20	5	9	Q	Q	20.7
Weekly Operating Hours									
39 or Fewer	899	620	168	312	109	Q	84	Q	19.7
40 to 48	1,257	1,207	483	683	129	23	70	Q	15.3
49 to 60	969	907	324	525	124	23	44	Q	16.7
61 to 84	567	541	203	328	53	12	18	Q	19.5
85 to 167	420	366	122	188	32	11	51	Q	20.4
Open Continuously	466	385	168	175	58	32	34	Q	19.6
Predominant Exterior Wall Material									
Masonry	3,061	2,774	974	1,635	302	93	170	Q	10.2
Siding or Shingles	639	572	222	224	118	Q	76	Q	22.2
Metal Panels	662	480	190	253	66	Q	49	Q	20.7
Concrete Panels	106	98	49	48	Q	5	Q	Q	30.3
Window Glass	46	46	12	33	Q	2	Q	Q	48.9
Other	50	40	19	Q	Q	Q	Q	Q	56.9
No One Major Type	15	14	Q	Q	Q	Q	Q	Q	94.6
Predominant Roof Material									
Built-Up	1,369	1,257	444	803	89	61	36	Q	15.9
Shingles (Not Wood)	1,486	1,386	453	646	247	20	172	Q	14.9
Metal Surfacing	908	672	279	342	92	Q	61	Q	17.0
Synthetic or Rubber	351	334	122	194	43	16	16	Q	20.9
Slate or Tile	202	173	86	98	23	9	Q	Q	29.3
Wooden Materials	152	123	47	76	Q	Q	Q	Q	44.5
Concrete	58	40	28	Q	Q	Q	Q	Q	56.5
Other	36	23	Q	Q	Q	Q	Q	Q	85.1
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)									
Electricity	4,343	4,004	1,467	2,209	492	109	301	96	9.1
Natural Gas	2,478	2,456	559	2,211	81	29	Q	Q	10.2
Fuel Oil	607	607	172	96	504	20	23	Q	22.1
District Heat	110	109	9	7	Q	109	Q	Q	27.0
District Chilled Water	53	52	5	6	Q	46	Q	Q	40.8
Propane	589	579	191	91	133	Q	301	Q	20.2
Other	213	210	47	57	60	Q	Q	103	27.0
Primary Space-Heating Energy Source									
Electricity	1,007	1,007	1,007	82	Q	Q	Q	Q	18.6
Natural Gas	2,106	2,106	302	2,106	21	Q	Q	Q	11.9
Fuel Oil	439	439	91	9	439	Q	Q	Q	28.6
District Heat	107	107	9	5	Q	107	Q	Q	28.2
Propane	260	260	50	Q	Q	Q	260	Q	27.5
Other	61	61	Q	Q	Q	Q	Q	Q	58.6

See footnotes at end of table.

Table 21. Space-Heating Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.8	0.6	1.4	1.4	1.7	2.4	
Cooling Energy Sources (more than one may apply)									
Electricity	3,293	3,238	1,306	1,884	288	66	216	Q	9.6
Natural Gas	65	65	15	64	1	Q	Q	Q	43.2
District Chilled Water	53	52	5	6	Q	46	Q	Q	40.8
Water-Heating Energy Sources (more than one may apply)									
Electricity	1,684	1,643	878	604	219	26	149	Q	14.1
Natural Gas	1,577	1,555	366	1,386	57	19	Q	Q	14.3
Fuel Oil	120	120	31	4	117	Q	Q	Q	38.8
District Heat	54	53	5	2	Q	53	Q	Q	30.2
Propane	110	103	41	Q	Q	Q	62	Q	36.7
Cooking Energy Sources (more than one may apply)									
Electricity	487	473	232	217	59	6	50	Q	18.6
Natural Gas	448	438	121	350	26	10	Q	Q	18.5
Propane	123	117	62	Q	30	Q	62	Q	29.7
Energy End Uses (more than one may apply)									
Buildings with Space Heating	4,024	4,024	1,467	2,211	504	109	301	103	9.1
Buildings with Cooling	3,381	3,326	1,319	1,932	299	95	222	Q	9.6
Buildings with Water Heating	3,486	3,418	1,278	1,936	408	95	220	70	10.0
Buildings with Cooking	828	804	314	436	92	17	74	Q	13.8
Buildings with Manufacturing	204	181	96	79	Q	Q	Q	Q	33.2
Buildings with Electricity Generation	247	246	86	127	69	21	Q	Q	23.3
Percent of Floorspace Heated									
Not Heated	554	--	--	--	--	--	--	--	20.9
1 to 50	555	555	234	249	84	Q	30	Q	21.0
51 to 99	633	633	242	394	81	7	26	Q	18.7
100	2,836	2,836	991	1,567	340	101	245	51	10.2
Heating Equipment (more than one may apply)									
Heat Pumps	394	394	391	56	36	2	Q	Q	20.4
Furnaces	1,676	1,676	395	1,180	214	Q	168	Q	12.6
Individual Space Heaters	1,188	1,188	603	670	146	9	114	Q	14.4
District Heat	115	115	10	7	Q	109	Q	Q	26.4
Boilers	610	610	138	381	212	Q	27	Q	17.3
Packaged Heating Units	1,031	1,031	465	631	27	4	58	Q	17.1
Other	161	161	94	54	37	3	Q	Q	30.6

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

-- = Data not applicable.

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 22. Space-Heating Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.7	0.6	1.3	1.1	1.9	3.4	
All Buildings	58,772	54,347	22,156	31,535	6,606	5,606	2,025	509	7.9
Building Floorspace (Square Feet)									
1,001 to 5,000	6,338	5,506	1,850	2,689	894	Q	537	Q	11.0
5,001 to 10,000	7,530	6,546	2,419	4,069	587	Q	415	Q	17.0
10,001 to 25,000	11,617	10,706	4,544	6,359	1,061	370	504	Q	16.5
25,001 to 50,000	7,676	7,157	2,925	4,460	614	635	202	Q	13.1
50,001 to 100,000	7,968	7,699	3,148	4,744	802	744	214	Q	12.3
100,001 to 200,000	6,776	6,456	2,349	3,883	808	1,083	Q	Q	13.7
200,001 to 500,000	5,553	5,371	2,414	2,968	1,008	1,211	Q	Q	15.0
Over 500,000	5,313	4,906	2,506	2,363	832	1,351	Q	Q	17.4
Principal Building Activity									
Education	7,740	7,740	2,106	4,650	1,612	1,077	169	Q	14.5
Food Sales	642	609	260	330	Q	Q	Q	Q	26.7
Food Service	1,353	1,299	482	765	Q	Q	Q	Q	27.2
Health Care	2,333	2,333	926	1,252	553	605	Q	Q	15.9
Lodging	3,618	3,608	2,054	1,791	Q	616	Q	Q	20.1
Mercantile and Service	12,728	12,227	5,636	7,064	1,383	Q	463	333	14.7
Office	10,478	10,458	5,049	5,386	970	1,532	Q	Q	12.7
Public Assembly	3,948	3,836	1,171	2,396	371	636	Q	Q	19.8
Public Order and Safety	1,271	1,154	244	620	304	327	Q	Q	33.1
Religious Worship	2,792	2,791	1,034	1,727	406	Q	Q	Q	21.8
Warehouse and Storage	8,481	6,419	2,586	4,421	474	Q	241	Q	19.7
Other	1,004	907	289	529	Q	170	Q	Q	40.0
Vacant	2,384	966	320	606	162	Q	Q	Q	30.0
Year Constructed									
1919 or Before	3,673	3,429	726	2,118	851	556	Q	Q	22.1
1920 to 1945	6,710	5,951	1,656	3,958	793	864	Q	Q	17.5
1946 to 1959	9,298	8,701	2,881	5,493	1,222	936	153	Q	15.3
1960 to 1969	10,858	10,024	3,392	5,953	1,558	1,386	402	Q	13.3
1970 to 1979	11,333	10,489	4,886	5,995	1,050	965	390	Q	11.6
1980 to 1989	12,252	11,462	6,457	5,766	806	492	641	Q	13.6
1990 to 1992	2,590	2,467	1,399	1,329	Q	258	Q	Q	19.9
1993 to 1995	2,059	1,824	759	923	Q	Q	Q	Q	23.9
Census Region									
Northeast	11,883	11,180	3,081	5,043	3,856	1,765	540	Q	14.6
Midwest	14,322	13,511	4,058	9,826	1,018	1,902	401	Q	13.5
South	20,830	18,900	9,971	9,805	1,540	1,006	959	Q	13.6
West	11,736	10,756	5,046	6,861	192	933	124	Q	20.2
Climate Zone: 45-Year Average									
Fewer than 2,000 CDD and --									
More than 7,000 HDD	5,098	4,901	1,471	3,219	1,288	267	393	Q	19.9
5,500 to 7,000 HDD	14,597	13,937	3,970	9,602	1,610	1,919	385	Q	15.6
4,000 to 5,499 HDD	15,155	14,147	5,350	6,812	3,148	2,267	550	Q	15.6
Fewer than 4,000 HDD	13,491	12,350	5,836	8,152	375	537	Q	Q	20.0
More than 2,000 CDD and --									
Fewer than 4,000 HDD	10,430	9,014	5,528	3,750	185	617	Q	Q	19.6

See footnotes at end of table.

Table 22. Space-Heating Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.7	0.6	1.3	1.1	1.9	3.4	
Workers (main shift)									
Fewer than 5	13,885	10,663	3,502	5,816	1,512	407	803	217	13.8
5 to 9	6,291	6,086	2,251	3,886	520	303	309	Q	18.7
10 to 19	7,102	6,905	2,862	4,163	750	258	268	Q	16.3
20 to 49	9,132	8,899	3,643	5,507	742	617	222	Q	13.1
50 to 99	6,931	6,642	2,533	4,086	662	704	Q	Q	13.8
100 to 249	5,988	5,880	2,861	3,361	910	864	Q	Q	14.2
250 or More	9,443	9,272	4,504	4,716	1,509	2,454	Q	Q	12.5
Weekly Operating Hours									
39 or Fewer	6,134	4,032	1,102	2,344	607	Q	442	Q	17.8
40 to 48	13,233	12,672	5,214	7,678	1,122	762	490	Q	15.1
49 to 60	12,242	11,658	4,550	6,729	1,465	970	357	Q	13.7
61 to 84	10,052	9,635	4,929	5,662	933	628	182	Q	13.6
85 to 167	6,202	5,880	1,904	3,418	651	840	245	Q	15.9
Open Continuously	10,908	10,469	4,457	5,705	1,827	2,285	309	Q	11.5
Predominant Exterior Wall Material									
Masonry	42,958	40,217	16,089	23,584	4,887	4,365	1,344	Q	8.7
Siding or Shingles	3,243	2,919	1,167	1,307	642	Q	284	Q	26.1
Metal Panels	5,694	4,559	1,830	2,958	622	Q	269	Q	17.2
Concrete Panels	4,069	3,932	1,939	2,308	189	550	Q	Q	18.5
Window Glass	1,755	1,754	700	923	Q	335	Q	Q	22.5
Other	660	603	322	261	Q	Q	Q	Q	30.3
No One Major Type	393	363	Q	Q	Q	Q	Q	Q	65.9
Predominant Roof Material									
Built-Up	24,481	23,087	9,351	13,589	2,442	2,956	333	Q	11.2
Shingles (Not Wood)	11,093	10,450	3,873	5,482	1,557	543	848	Q	13.8
Metal Surfacing	7,941	6,463	2,885	3,847	636	Q	448	Q	14.9
Synthetic or Rubber	10,235	10,099	4,075	6,233	1,592	1,434	315	Q	12.5
Slate or Tile	1,920	1,765	736	888	258	322	Q	Q	22.7
Wooden Materials	1,130	985	344	662	Q	Q	Q	Q	44.2
Concrete	1,335	903	641	491	Q	Q	Q	Q	36.7
Other	332	290	Q	Q	Q	Q	Q	Q	46.8
No One Major Type	305	305	Q	Q	Q	Q	Q	Q	55.8
Energy Sources (more than one may apply)									
Electricity	57,076	54,110	22,156	31,411	6,550	5,595	2,021	472	8.0
Natural Gas	38,145	37,950	12,499	31,535	3,320	2,308	257	Q	9.3
Fuel Oil	14,421	14,236	5,396	6,421	6,606	2,148	327	Q	11.9
District Heat	5,658	5,642	1,049	627	466	5,606	Q	Q	18.5
District Chilled Water	2,521	2,479	621	377	Q	2,110	Q	Q	22.2
Propane	5,344	5,281	2,027	1,417	1,323	Q	2,025	Q	18.9
Other	2,336	2,312	575	1,020	513	303	Q	509	23.5
Primary Space-Heating Energy Source									
Electricity	13,500	13,500	13,500	2,044	267	Q	Q	Q	15.3
Natural Gas	28,808	28,808	6,526	28,808	1,613	Q	214	Q	10.0
Fuel Oil	4,207	4,207	764	238	4,207	Q	Q	Q	24.7
District Heat	5,289	5,289	852	382	319	5,289	Q	Q	19.7
Propane	1,545	1,545	373	Q	Q	Q	1,545	Q	30.6
Other	514	514	Q	Q	Q	Q	Q	Q	48.9

See footnotes at end of table.

Table 22. Space-Heating Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.7	0.6	1.3	1.1	1.9	3.4	
Cooling Energy Sources (more than one may apply)									
Electricity	47,761	46,934	20,699	28,273	5,111	3,821	1,620	Q	8.1
Natural Gas	1,314	1,312	435	1,176	254	Q	Q	Q	29.8
District Chilled Water	2,521	2,479	621	377	Q	2,110	Q	Q	22.2
Water-Heating Energy Sources (more than one may apply)									
Electricity	23,056	22,445	13,334	10,129	2,303	1,182	1,189	Q	12.8
Natural Gas	24,859	24,684	7,931	21,367	2,159	729	Q	Q	10.2
Fuel Oil	2,151	2,150	409	332	2,035	Q	Q	Q	28.1
District Heat	3,949	3,933	648	348	Q	3,901	Q	Q	22.2
Propane	1,020	982	520	Q	Q	Q	479	Q	27.7
Cooking Energy Sources (more than one may apply)									
Electricity	12,249	11,951	6,397	6,512	1,738	1,254	413	Q	13.5
Natural Gas	13,195	13,080	5,244	9,395	1,856	1,254	Q	Q	11.1
Propane	1,480	1,451	682	Q	606	Q	475	Q	28.8
Energy End Uses (more than one may apply)									
Buildings with Space Heating	54,347	54,347	22,156	31,535	6,606	5,606	2,025	509	8.0
Buildings with Cooling	49,935	49,090	21,131	29,106	5,285	5,076	1,642	Q	8.1
Buildings with Water Heating	51,560	50,796	20,872	29,727	6,227	5,373	1,781	380	8.4
Buildings with Cooking	20,713	20,338	9,189	11,803	3,145	2,005	664	Q	9.8
Buildings with Manufacturing	3,893	3,689	1,718	2,009	401	Q	Q	Q	20.1
Buildings with Electricity Generation	13,366	13,165	5,565	7,433	2,718	2,412	362	Q	11.2
Percent of Floorspace Heated									
Not Heated	4,425	--	--	--	--	--	--	--	25.5
1 to 50	6,227	6,227	3,108	3,282	479	Q	247	Q	20.9
51 to 99	8,868	8,868	4,183	5,079	1,309	748	173	Q	15.8
100	39,252	39,252	14,864	23,175	4,817	4,793	1,606	228	8.8
Heating Equipment (more than one may apply)									
Heat Pumps	5,843	5,843	5,815	1,948	531	252	Q	Q	15.0
Furnaces	14,923	14,923	4,839	11,369	1,633	Q	964	Q	11.5
Individual Space Heaters	16,809	16,809	9,535	11,128	1,653	1,046	742	Q	12.9
District Heat	5,911	5,911	1,087	640	468	5,606	Q	Q	18.6
Boilers	16,754	16,754	4,855	12,801	4,629	Q	415	Q	10.1
Packaged Heating Units	16,893	16,893	8,898	11,200	827	378	515	Q	12.0
Other	6,249	6,249	4,152	2,824	1,074	873	Q	Q	18.5

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

-- = Data not applicable.

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.6	1.6	1.9	
All Buildings	4,579	4,024	1,007	2,106	439	107	260	8.3
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	2,060	522	982	285	Q	181	9.9
5,001 to 10,000	1,035	899	199	546	69	Q	42	15.6
10,001 to 25,000	745	685	193	367	59	25	31	15.3
25,001 to 50,000	213	198	49	113	14	16	4	11.3
50,001 to 100,000	115	111	28	61	8	10	Q	11.0
100,001 to 200,000	48	46	10	25	3	8	Q	12.5
200,001 to 500,000	19	18	4	9	Q	4	Q	12.8
Over 500,000	6	6	2	2	Q	1	Q	16.1
Principal Building Activity								
Education	309	309	67	173	22	35	Q	20.6
Food Sales	137	124	58	43	Q	Q	Q	26.1
Food Service	285	274	85	134	Q	Q	Q	20.5
Health Care	105	105	50	40	Q	4	Q	30.4
Lodging	158	158	77	59	Q	11	Q	21.1
Mercantile and Service	1,289	1,217	227	704	169	Q	61	14.3
Office	705	704	204	391	60	20	Q	16.1
Public Assembly	326	310	51	176	Q	9	Q	25.9
Public Order and Safety	87	81	Q	28	Q	Q	Q	46.5
Religious Worship	269	269	35	137	40	Q	Q	24.5
Warehouse and Storage	580	325	91	161	Q	Q	Q	25.0
Other	67	53	Q	13	Q	Q	Q	60.7
Vacant	261	95	Q	48	Q	Q	Q	33.2
Year Constructed								
1919 or Before	353	316	15	223	45	22	Q	26.0
1920 to 1945	562	496	54	324	68	20	Q	20.7
1946 to 1959	867	769	134	456	124	12	Q	13.2
1960 to 1969	718	652	146	334	81	23	48	15.9
1970 to 1979	813	722	241	378	24	Q	43	15.3
1980 to 1989	846	741	297	270	70	7	90	15.5
1990 to 1992	218	189	72	79	Q	Q	Q	26.6
1993 to 1995	202	141	48	42	Q	Q	Q	37.2
Census Region								
Northeast	725	657	57	236	247	24	52	17.3
Midwest	1,139	1,006	101	736	Q	35	73	18.0
South	1,750	1,547	574	648	141	31	122	14.4
West	964	815	275	487	Q	18	Q	17.2
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	493	443	Q	242	85	3	57	20.1
5,500 to 7,000 HDD	975	877	73	587	109	29	51	15.4
4,000 to 5,499 HDD	1,070	927	206	400	193	43	62	24.3
Fewer than 4,000 HDD	1,103	955	310	550	Q	10	Q	19.9
More than 2,000 CDD and --								
Fewer than 4,000 HDD	937	822	386	327	Q	Q	Q	20.4

See footnotes at end of table.

Table 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995
(Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.6	1.6	1.9	
Workers (main shift)								
Fewer than 5	2,505	2,013	459	994	276	34	174	12.5
5 to 9	798	770	168	482	54	15	Q	18.6
10 to 19	625	608	173	317	73	Q	Q	16.8
20 to 49	400	390	145	189	22	16	Q	14.4
50 to 99	138	131	33	70	8	16	Q	14.5
100 to 249	71	69	20	36	4	8	Q	14.4
250 or More	43	43	9	18	1	9	Q	18.0
Weekly Operating Hours								
39 or Fewer	899	620	114	287	102	Q	83	18.1
40 to 48	1,257	1,207	331	659	105	23	55	14.8
49 to 60	969	907	208	506	112	22	36	15.7
61 to 84	567	541	143	313	50	12	Q	17.6
85 to 167	420	366	89	178	30	10	Q	18.3
Open Continuously	466	385	121	163	40	31	Q	19.1
Predominant Exterior Wall Material								
Masonry	3,061	2,774	640	1,571	280	92	137	9.7
Siding or Shingles	639	572	162	207	102	Q	70	20.2
Metal Panels	662	480	134	236	47	Q	47	19.2
Concrete Panels	106	98	41	45	Q	4	Q	28.4
Window Glass	46	46	Q	32	Q	2	Q	42.9
Other	50	40	17	Q	Q	Q	Q	51.7
No One Major Type	15	14	Q	Q	Q	Q	Q	88.8
Predominant Roof Material								
Built-Up	1,369	1,257	294	772	76	59	Q	13.7
Shingles (Not Wood)	1,486	1,386	319	618	216	20	153	13.9
Metal Surfacing	908	672	191	324	80	Q	58	15.5
Synthetic or Rubber	351	334	82	185	Q	15	Q	17.3
Slate or Tile	202	173	61	80	22	9	Q	26.6
Wooden Materials	152	123	Q	75	Q	Q	Q	41.6
Concrete	58	40	20	Q	Q	Q	Q	50.5
Other	36	23	Q	Q	Q	Q	Q	79.8
No One Major Type	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)								
Electricity	4,343	4,004	1,007	2,105	427	107	259	8.3
Natural Gas	2,478	2,456	240	2,106	58	28	Q	10.3
Fuel Oil	607	607	38	83	439	19	Q	21.0
District Heat	110	109	Q	Q	Q	107	Q	23.4
District Chilled Water	53	52	Q	4	Q	45	Q	39.3
Propane	589	579	88	90	124	Q	260	19.0
Other	213	210	21	47	Q	Q	Q	35.9

See footnotes at end of table.

**Table 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995
(Continued)**
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.6	1.6	1.9	
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	4,024	1,007	2,106	439	107	260	8.3
Buildings with Cooling	3,381	3,326	913	1,836	255	93	183	9.2
Buildings with Water Heating	3,486	3,418	871	1,841	356	93	179	8.8
Buildings with Cooking	828	804	220	410	83	16	62	12.8
Buildings with Manufacturing	204	181	66	76	Q	Q	Q	30.4
Buildings with Electricity Generation	247	246	45	112	57	20	Q	22.4
Percent of Floorspace Heated								
Not Heated	554	--	--	--	--	--	--	19.6
1 to 50	555	555	179	230	76	Q	29	19.0
51 to 99	633	633	138	379	69	6	Q	16.2
100	2,836	2,836	689	1,497	294	100	212	9.0
Heating Equipment (more than one may apply)								
Heat Pumps	394	394	325	35	Q	2	Q	18.2
Furnaces	1,676	1,676	161	1,141	188	Q	147	12.2
Individual Space Heaters	1,188	1,188	328	613	122	8	99	13.7
District Heat	115	115	Q	2	Q	107	Q	30.0
Boilers	610	610	18	371	183	Q	Q	16.1
Packaged Heating Units	1,031	1,031	346	596	23	3	49	16.2
Other	161	161	52	51	29	3	Q	29.3

Q = Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.
-- = Data not applicable.

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 24. Primary Space-Heating Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.7	1.3	2.3	
All Buildings	58,772	54,347	13,500	28,808	4,207	5,289	1,545	6.9
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	5,506	1,399	2,602	808	Q	468	9.6
5,001 to 10,000	7,530	6,546	1,442	3,981	488	Q	332	15.3
10,001 to 25,000	11,617	10,706	2,973	5,865	874	370	475	14.4
25,001 to 50,000	7,676	7,157	1,775	4,054	508	594	142	11.5
50,001 to 100,000	7,968	7,699	1,976	4,202	566	737	Q	11.0
100,001 to 200,000	6,776	6,456	1,367	3,503	422	1,051	Q	13.1
200,001 to 500,000	5,553	5,371	1,161	2,601	Q	1,154	Q	13.9
Over 500,000	5,313	4,906	1,407	1,999	Q	1,171	Q	17.6
Principal Building Activity								
Education	7,740	7,740	886	4,323	1,190	1,034	Q	12.8
Food Sales	642	609	242	308	Q	Q	Q	23.4
Food Service	1,353	1,299	322	742	Q	Q	Q	24.9
Health Care	2,333	2,333	405	1,144	Q	571	Q	15.8
Lodging	3,618	3,608	1,456	1,442	Q	585	Q	17.8
Mercantile and Service	12,728	12,227	3,824	6,526	959	Q	386	13.1
Office	10,478	10,458	3,537	4,828	455	1,477	Q	11.1
Public Assembly	3,948	3,836	533	2,179	Q	574	Q	18.3
Public Order and Safety	1,271	1,154	Q	592	Q	246	Q	32.4
Religious Worship	2,792	2,791	391	1,582	396	Q	Q	21.1
Warehouse and Storage	8,481	6,419	1,422	4,173	308	Q	Q	19.8
Other	1,004	907	169	474	Q	159	Q	38.6
Vacant	2,384	966	Q	494	Q	Q	Q	28.0
Year Constructed								
1919 or Before	3,673	3,429	185	2,008	565	556	Q	20.7
1920 to 1945	6,710	5,951	667	3,626	640	825	Q	17.2
1946 to 1959	9,298	8,701	1,405	5,173	888	882	Q	14.4
1960 to 1969	10,858	10,024	1,704	5,445	1,018	1,303	368	12.3
1970 to 1979	11,333	10,489	3,286	5,396	434	919	286	11.3
1980 to 1989	12,252	11,462	4,903	5,093	451	443	509	12.2
1990 to 1992	2,590	2,467	884	1,226	Q	212	Q	17.9
1993 to 1995	2,059	1,824	467	842	Q	Q	Q	21.0
Census Region								
Northeast	11,883	11,180	1,099	4,696	3,020	1,600	435	12.4
Midwest	14,322	13,511	1,549	9,293	Q	1,839	313	12.0
South	20,830	18,900	7,403	8,728	802	945	713	13.1
West	11,736	10,756	3,449	6,091	Q	905	Q	15.0
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	5,098	4,901	322	3,020	875	250	302	17.9
5,500 to 7,000 HDD	14,597	13,937	1,385	9,063	1,133	1,776	330	13.7
4,000 to 5,499 HDD	15,155	14,147	3,127	6,150	1,972	2,176	357	14.2
Fewer than 4,000 HDD	13,491	12,350	3,888	7,356	Q	524	Q	15.6
More than 2,000 CDD and --								
Fewer than 4,000 HDD	10,430	9,014	4,778	3,218	Q	562	Q	18.8

See footnotes at end of table.

Table 24. Primary Space-Heating Energy Sources, Floorspace, 1995
(Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.7	1.3	2.3	
Workers (main shift)								
Fewer than 5	13,885	10,663	2,417	5,445	1,398	407	718	13.0
5 to 9	6,291	6,086	1,257	3,699	430	303	Q	16.4
10 to 19	7,102	6,905	1,858	3,981	546	258	Q	15.1
20 to 49	9,132	8,899	2,380	5,064	578	617	147	11.8
50 to 99	6,931	6,642	1,601	3,543	522	644	Q	12.7
100 to 249	5,988	5,880	1,439	2,995	458	827	Q	13.9
250 or More	9,443	9,272	2,548	4,081	275	2,233	Q	13.1
Weekly Operating Hours								
39 or Fewer	6,134	4,032	617	2,183	555	Q	424	15.6
40 to 48	13,233	12,672	3,332	7,149	831	726	361	14.1
49 to 60	12,242	11,658	2,923	6,235	1,106	945	279	12.6
61 to 84	10,052	9,635	3,066	5,110	650	579	Q	12.4
85 to 167	6,202	5,880	1,158	3,078	436	820	Q	14.1
Open Continuously	10,908	10,469	2,405	5,052	630	2,097	Q	11.6
Predominant Exterior Wall Material								
Masonry	42,958	40,217	9,536	21,672	3,207	4,179	988	8.1
Siding or Shingles	3,243	2,919	795	1,128	500	Q	241	22.2
Metal Panels	5,694	4,559	1,048	2,746	319	Q	243	16.2
Concrete Panels	4,069	3,932	1,267	2,040	Q	488	Q	16.7
Window Glass	1,755	1,754	531	852	Q	288	Q	19.3
Other	660	603	240	218	Q	Q	Q	27.0
No One Major Type	393	363	Q	Q	Q	Q	Q	60.5
Predominant Roof Material								
Built-Up	24,481	23,087	5,871	12,256	1,483	2,775	241	10.5
Shingles (Not Wood)	11,093	10,450	2,568	5,108	1,224	536	734	12.5
Metal Surfacing	7,941	6,463	1,715	3,579	558	Q	373	13.1
Synthetic or Rubber	10,235	10,099	2,135	5,655	649	1,311	Q	11.2
Slate or Tile	1,920	1,765	427	772	238	322	Q	19.7
Wooden Materials	1,130	985	Q	657	Q	Q	Q	40.7
Concrete	1,335	903	346	448	Q	Q	Q	32.8
Other	332	290	Q	Q	Q	Q	Q	43.0
No One Major Type	305	305	Q	Q	Q	Q	Q	51.2
Energy Sources (more than one may apply)								
Electricity	57,076	54,110	13,500	28,686	4,152	5,277	1,541	6.9
Natural Gas	38,145	37,950	5,427	28,808	1,358	2,037	Q	8.3
Fuel Oil	14,421	14,236	2,238	5,479	4,207	1,892	Q	10.5
District Heat	5,658	5,642	Q	Q	Q	5,289	Q	12.6
District Chilled Water	2,521	2,479	Q	261	Q	1,997	Q	20.2
Propane	5,344	5,281	968	1,366	1,142	Q	1,545	16.9
Other	2,336	2,312	188	922	Q	300	Q	28.1

See footnotes at end of table.

Table 24. Primary Space-Heating Energy Sources, Floorspace, 1995
(Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.7	1.3	2.3	
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	54,347	13,500	28,808	4,207	5,289	1,545	7.0
Buildings with Cooling	49,935	49,090	12,959	26,440	3,076	4,759	1,184	7.4
Buildings with Water Heating	51,560	50,796	12,586	27,119	3,873	5,055	1,304	7.1
Buildings with Cooking	20,713	20,338	5,440	10,627	1,670	1,737	488	9.1
Buildings with Manufacturing	3,893	3,689	1,086	1,861	Q	Q	Q	18.9
Buildings with Electricity Generation	13,366	13,165	2,965	6,500	1,160	2,162	Q	10.7
Percent of Floorspace Heated								
Not Heated	4,425	--	--	--	--	--	--	23.4
1 to 50	6,227	6,227	2,282	3,002	428	Q	221	18.3
51 to 99	8,868	8,868	2,532	4,544	831	708	Q	14.7
100	39,252	39,252	8,687	21,262	2,948	4,515	1,229	7.5
Heating Equipment (more than one may apply)								
Heat Pumps	5,843	5,843	3,949	1,332	Q	229	Q	13.9
Furnaces	14,923	14,923	2,088	10,473	1,229	Q	847	10.5
Individual Space Heaters	16,809	16,809	4,452	9,777	925	973	520	11.8
District Heat	5,911	5,911	Q	252	Q	5,289	Q	18.0
Boilers	16,754	16,754	1,048	12,095	2,893	Q	Q	9.3
Packaged Heating Units	16,893	16,893	5,910	9,891	287	314	362	12.0
Other	6,249	6,249	2,299	2,470	395	730	Q	18.0

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

-- = Data not applicable.

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 25. Cooling Energy Sources, Number of Buildings, and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.6	0.7	0.7	3.1	2.5	0.5	0.5	0.5	2.1	1.5	
All Buildings	4,579	3,381	3,293	65	53	58,772	49,935	47,761	1,314	2,521	6.9
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	1,650	1,614	Q	Q	6,338	4,376	4,294	Q	Q	8.2
5,001 to 10,000	1,035	754	740	Q	Q	7,530	5,531	5,413	Q	Q	14.1
10,001 to 25,000	745	619	597	19	Q	11,617	9,712	9,410	270	239	14.1
25,001 to 50,000	213	187	181	Q	7	7,676	6,760	6,528	Q	275	11.7
50,001 to 100,000	115	103	98	Q	5	7,968	7,178	6,761	Q	348	10.8
100,001 to 200,000	48	44	41	Q	5	6,776	6,175	5,743	Q	587	11.6
200,001 to 500,000	19	18	17	1	2	5,553	5,235	4,949	232	557	11.8
Over 500,000	6	6	5	Q	1	5,313	4,968	4,663	Q	432	14.8
Principal Building Activity											
Education	309	249	234	Q	26	7,740	6,741	6,263	Q	653	16.5
Food Sales	137	128	122	Q	Q	642	612	597	Q	Q	22.7
Food Service	285	272	265	Q	Q	1,353	1,310	1,288	Q	Q	19.9
Health Care	105	105	103	1	2	2,333	2,323	2,168	152	403	16.7
Lodging	158	126	124	Q	Q	3,618	3,193	3,021	Q	Q	19.2
Mercantile and Service	1,289	916	885	24	Q	12,728	11,086	10,781	351	Q	13.0
Office	705	690	677	21	5	10,478	10,360	9,822	325	568	11.9
Public Assembly	326	246	241	Q	Q	3,948	3,394	3,164	Q	372	19.0
Public Order and Safety	87	38	37	Q	Q	1,271	856	802	Q	Q	33.7
Religious Worship	269	223	223	Q	Q	2,792	2,414	2,414	Q	Q	21.4
Warehouse and Storage	580	262	260	Q	Q	8,481	5,991	5,920	Q	Q	21.7
Other	67	53	52	Q	Q	1,004	921	834	Q	Q	44.5
Vacant	261	73	69	Q	Q	2,384	732	687	Q	Q	29.3
Year Constructed											
1919 or Before	353	260	241	Q	Q	3,673	2,818	2,673	Q	Q	21.2
1920 to 1945	562	382	376	Q	Q	6,710	5,038	4,861	Q	187	16.8
1946 to 1959	867	617	601	22	5	9,298	7,549	7,318	248	322	14.1
1960 to 1969	718	508	501	4	10	10,858	8,978	8,538	159	527	13.3
1970 to 1979	813	688	665	Q	Q	11,333	10,389	9,753	412	674	11.2
1980 to 1989	846	657	649	4	7	12,252	11,174	10,860	192	400	12.2
1990 to 1992	218	161	159	Q	Q	2,590	2,345	2,229	Q	Q	20.6
1993 to 1995	202	108	100	Q	Q	2,059	1,644	1,530	Q	Q	26.9
Census Region											
Northeast	725	451	435	Q	3	11,883	9,523	8,986	387	291	14.6
Midwest	1,139	811	785	20	Q	14,322	12,033	11,424	354	778	13.7
South	1,750	1,433	1,413	3	24	20,830	18,606	18,133	247	919	10.9
West	964	687	660	25	10	11,736	9,772	9,219	326	533	13.8
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD	493	321	312	Q	Q	5,098	4,115	3,994	Q	Q	24.1
5,500 to 7,000 HDD	975	656	633	19	8	14,597	11,903	11,259	487	624	13.4
4,000 to 5,499 HDD	1,070	714	691	22	16	15,155	12,620	11,943	520	632	17.3
Fewer than 4,000 HDD	1,103	887	867	15	6	13,491	11,981	11,692	198	432	16.3
More than 2,000 CDD and --											
Fewer than 4,000 HDD	937	803	789	Q	Q	10,430	9,315	8,873	Q	726	16.9

See footnotes at end of table.

Table 25. Cooling Energy Sources, Number of Buildings, and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
			0.6	0.7	0.7			3.1	2.5	0.5	
RSE Column Factor:	0.6	0.7	0.7	3.1	2.5	0.5	0.5	0.5	2.1	1.5	
Workers (main shift)											
Fewer than 5	2,505	1,542	1,498	Q	Q	13,885	8,324	8,073	Q	Q	11.1
5 to 9	798	691	671	Q	Q	6,291	5,260	5,028	Q	Q	14.3
10 to 19	625	549	544	Q	Q	7,102	6,449	6,314	205	Q	13.6
20 to 49	400	361	352	Q	8	9,132	8,302	8,083	Q	250	13.2
50 to 99	138	129	124	Q	8	6,931	6,379	6,039	Q	366	13.3
100 to 249	71	69	66	2	3	5,988	5,872	5,617	230	356	11.9
250 or More	43	41	38	1	5	9,443	9,349	8,608	433	1,172	13.0
Weekly Operating Hours											
39 or Fewer	899	399	398	Q	Q	6,134	2,845	2,814	Q	Q	17.5
40 to 48	1,257	1,047	1,018	26	Q	13,233	11,401	10,909	298	350	13.2
49 to 60	969	795	784	Q	11	12,242	10,897	10,597	164	409	12.7
61 to 84	567	446	428	17	8	10,052	9,212	8,843	292	381	13.9
85 to 167	420	344	335	Q	7	6,202	5,644	5,320	Q	395	14.2
Open Continuously	466	350	329	Q	Q	10,908	9,936	9,279	433	919	12.4
Predominant Exterior Wall Material											
Masonry	3,061	2,429	2,366	46	42	42,958	37,394	35,761	964	1,944	7.9
Siding or Shingles	639	448	438	Q	Q	3,243	2,369	2,309	Q	Q	22.8
Metal Panels	662	322	315	Q	Q	5,694	3,713	3,584	Q	Q	15.9
Concrete Panels	106	91	89	Q	3	4,069	3,790	3,633	Q	302	19.5
Window Glass	46	45	44	Q	Q	1,755	1,730	1,593	Q	Q	31.7
Other	50	32	26	Q	Q	660	578	527	Q	Q	40.8
No One Major Type	15	14	14	Q	Q	393	362	355	Q	Q	67.2
Predominant Roof Material											
Built-Up	1,369	1,113	1,075	28	25	24,481	21,744	20,642	596	1,320	10.2
Shingles (Not Wood)	1,486	1,149	1,123	17	Q	11,093	9,125	8,854	282	Q	12.5
Metal Surfacing	908	508	494	Q	Q	7,941	5,564	5,418	Q	Q	13.6
Synthetic or Rubber	351	296	288	6	9	10,235	9,662	9,166	295	682	12.6
Slate or Tile	202	143	141	Q	Q	1,920	1,499	1,386	Q	Q	23.6
Wooden Materials	152	106	105	Q	Q	1,130	730	715	Q	Q	38.3
Concrete	58	39	39	Q	Q	1,335	1,065	1,038	Q	Q	42.2
Other	36	Q	Q	Q	Q	332	272	272	Q	Q	52.5
No One Major Type	Q	Q	Q	Q	Q	305	273	272	Q	Q	54.8
Energy Sources (more than one may apply)											
Electricity	4,343	3,376	3,293	65	53	57,076	49,785	47,761	1,314	2,517	6.9
Natural Gas	2,478	2,131	2,078	65	17	38,145	35,100	33,812	1,314	1,287	7.5
Fuel Oil	607	388	374	3	Q	14,421	12,904	12,230	454	1,076	14.2
District Heat	110	95	66	Q	47	5,658	5,128	3,857	Q	2,140	19.0
District Chilled Water	53	53	21	Q	53	2,521	2,521	1,274	Q	2,521	21.8
Propane	589	431	410	Q	Q	5,344	4,520	4,290	Q	Q	22.6
Other	213	107	102	Q	Q	2,336	1,943	1,692	Q	Q	28.9

See footnotes at end of table.

Table 25. Cooling Energy Sources, Number of Buildings, and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.6	0.7	0.7	3.1	2.5	0.5	0.5	0.5	2.1	1.5	
Primary Space-Heating Energy Source											
Electricity	1,007	913	913	Q	Q	13,500	12,959	12,903	Q	Q	13.5
Natural Gas	2,106	1,836	1,788	64	4	28,808	26,440	25,634	1,150	261	9.0
Fuel Oil	439	255	252	Q	Q	4,207	3,076	3,053	Q	Q	26.9
District Heat	107	93	64	Q	45	5,289	4,759	3,561	Q	1,997	19.2
Propane	260	183	177	Q	Q	1,545	1,184	1,162	Q	Q	31.8
Other	61	Q	Q	Q	Q	514	303	303	Q	Q	53.7
Water-Heating Energy Sources (more than one may apply)											
Electricity	1,684	1,474	1,446	22	Q	23,056	21,611	21,160	395	629	11.7
Natural Gas	1,577	1,383	1,355	41	11	24,859	22,887	22,293	903	498	9.1
Fuel Oil	120	57	57	Q	Q	2,151	1,675	1,659	Q	Q	32.8
District Heat	54	44	25	Q	27	3,949	3,665	2,719	Q	1,465	20.3
Propane	110	79	78	Q	Q	1,020	888	859	Q	Q	35.9
Cooking Energy Sources (more than one may apply)											
Electricity	487	423	421	Q	3	12,249	11,661	11,403	242	620	12.5
Natural Gas	448	401	394	10	7	13,195	12,433	12,031	414	638	11.9
Propane	123	109	109	Q	Q	1,480	1,352	1,338	Q	Q	34.9
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	3,326	3,238	65	52	54,347	49,090	46,934	1,312	2,479	7.1
Buildings with Cooling	3,381	3,381	3,293	65	53	49,935	49,935	47,761	1,314	2,521	6.9
Buildings with Water Heating	3,486	2,968	2,892	59	49	51,560	47,249	45,198	1,218	2,442	7.1
Buildings with Cooking	828	724	716	11	10	20,713	19,465	18,874	531	982	9.6
Buildings with Manufacturing	204	165	154	Q	Q	3,893	3,587	3,337	Q	Q	22.9
Buildings with Electricity Generation	247	206	199	Q	7	13,366	12,986	12,169	577	1,171	12.4
Percent of Floorspace Cooled											
Not Cooled	1,198	--	--	--	--	8,837	--	--	--	--	15.8
1 to 50	930	930	912	17	Q	15,027	15,027	14,632	244	Q	12.0
51 to 99	635	635	618	18	10	12,549	12,549	12,035	373	705	13.4
100	1,816	1,816	1,763	30	40	22,359	22,359	21,095	697	1,645	8.6
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	878	878	861	20	Q	9,238	9,238	9,036	232	169	12.2
Heat Pumps	457	457	457	Q	1	6,931	6,931	6,918	Q	175	13.9
Individual Air Conditioners	862	862	857	Q	Q	12,494	12,494	12,328	215	298	11.2
District Chilled Water	53	53	21	Q	53	2,521	2,521	1,274	Q	2,521	21.8
Central Chillers	109	109	106	5	Q	11,065	11,065	10,729	509	Q	12.6
Packaged Air Conditioning Units	1,431	1,431	1,396	42	5	26,628	26,628	25,949	892	649	9.4
Swamp Coolers	186	186	185	Q	Q	2,451	2,451	2,431	Q	Q	31.4
Other	18	18	18	Q	Q	949	949	919	Q	Q	31.7

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

-- = Data not applicable.

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 26. Water-Heating Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.1	1.4	2.0	
All Buildings	4,579	3,486	1,684	1,577	120	54	110	9.4
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	1,689	875	672	Q	Q	Q	10.6
5,001 to 10,000	1,035	780	356	396	17	Q	Q	15.7
10,001 to 25,000	745	644	301	312	26	20	12	17.7
25,001 to 50,000	213	195	83	102	8	10	5	11.3
50,001 to 100,000	115	110	43	60	4	8	Q	11.1
100,001 to 200,000	48	45	16	24	Q	5	Q	12.7
200,001 to 500,000	19	18	7	9	1	3	Q	13.2
Over 500,000	6	6	3	2	Q	1	Q	16.6
Principal Building Activity								
Education	309	258	84	143	15	20	5	19.5
Food Sales	137	125	72	50	Q	Q	Q	28.8
Food Service	285	279	90	161	Q	Q	Q	19.6
Health Care	105	105	56	43	Q	4	Q	30.2
Lodging	158	158	38	99	Q	10	Q	24.0
Mercantile and Service	1,289	916	461	399	28	Q	33	16.6
Office	705	678	397	262	Q	7	Q	14.5
Public Assembly	326	276	124	137	Q	7	Q	27.1
Public Order and Safety	87	69	22	20	Q	Q	Q	45.6
Religious Worship	269	248	116	128	Q	Q	Q	25.5
Warehouse and Storage	580	251	165	82	Q	Q	Q	27.9
Other	67	43	27	Q	Q	Q	Q	54.8
Vacant	261	81	32	42	Q	Q	Q	37.1
Year Constructed								
1919 or Before	353	287	80	189	Q	3	Q	25.0
1920 to 1945	562	429	166	215	22	4	Q	20.4
1946 to 1959	867	656	246	361	50	8	Q	15.5
1960 to 1969	718	562	233	269	Q	18	34	16.8
1970 to 1979	813	632	356	248	Q	Q	Q	14.9
1980 to 1989	846	667	429	217	Q	Q	26	16.8
1990 to 1992	218	145	94	50	Q	1	Q	27.9
1993 to 1995	202	108	80	27	Q	Q	Q	37.8
Census Region								
Northeast	725	602	283	183	93	11	30	17.9
Midwest	1,139	849	311	511	Q	15	32	18.4
South	1,750	1,250	764	452	Q	Q	19	13.1
West	964	785	325	431	Q	13	Q	17.7
Workers (main shift)								
Fewer than 5	2,505	1,587	732	722	35	Q	67	12.7
5 to 9	798	705	377	317	Q	Q	Q	16.4
10 to 19	625	580	305	233	45	Q	Q	16.9
20 to 49	400	377	170	183	9	12	Q	14.7
50 to 99	138	127	50	69	3	6	Q	13.8
100 to 249	71	69	28	36	3	5	Q	14.8
250 or More	43	42	21	16	1	6	Q	21.4

See footnotes at end of table.

Table 26. Water-Heating Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.1	1.4	2.0	
Weekly Operating Hours								
39 or Fewer	899	466	231	201	Q	Q	Q	20.1
40 to 48	1,257	1,035	567	427	14	Q	Q	13.9
49 to 60	969	742	360	332	38	6	Q	15.1
61 to 84	567	494	214	258	18	9	Q	19.6
85 to 167	420	375	171	174	Q	9	Q	18.5
Open Continuously	466	375	141	185	Q	16	29	17.8
Energy Sources (more than one may apply)								
Electricity	4,343	3,472	1,684	1,575	120	54	110	9.3
Natural Gas	2,478	2,201	655	1,577	21	11	Q	8.2
Fuel Oil	607	504	251	115	120	9	Q	19.9
District Heat	110	96	26	19	Q	54	Q	32.5
District Chilled Water	53	49	Q	11	Q	27	Q	38.3
Propane	589	477	268	59	53	Q	110	21.7
Other	213	158	78	58	Q	Q	Q	36.1
Primary Space-Heating Energy Source								
Electricity	1,007	871	681	166	Q	Q	26	17.2
Natural Gas	2,106	1,841	563	1,333	2	Q	Q	10.5
Fuel Oil	439	356	201	36	103	Q	Q	25.5
District Heat	107	93	26	17	Q	52	Q	33.4
Propane	260	179	118	Q	Q	Q	61	27.4
Other	61	35	Q	Q	Q	Q	Q	69.8
Cooking Energy Sources (more than one may apply)								
Electricity	487	479	249	208	27	4	27	16.9
Natural Gas	448	447	88	370	Q	5	Q	15.3
Propane	123	123	79	Q	17	Q	45	27.5
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	3,418	1,643	1,555	120	53	103	9.5
Buildings with Cooling	3,381	2,968	1,474	1,383	57	44	79	9.8
Buildings with Water Heating	3,486	3,486	1,684	1,577	120	54	110	9.5
Buildings with Cooking	828	816	329	441	42	7	47	12.8
Buildings with Manufacturing	204	169	102	56	Q	Q	Q	30.8
Buildings with Electricity Generation	247	238	85	121	Q	10	5	19.2
Water-Heating Equipment (more than one may apply)								
Centralized System	2,671	2,671	1,195	1,245	98	47	89	10.8
Distributed System	742	742	469	285	Q	3	21	16.3
Combination of Centralized and Distributed System	73	73	19	47	Q	4	Q	33.6

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 27. Water-Heating Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.0	1.4	2.2	
All Buildings	58,772	51,560	23,056	24,859	2,151	3,949	1,020	7.1
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	4,617	2,408	1,781	Q	Q	Q	10.0
5,001 to 10,000	7,530	5,652	2,583	2,866	Q	Q	Q	14.5
10,001 to 25,000	11,617	10,053	4,755	4,835	412	294	191	16.7
25,001 to 50,000	7,676	7,060	2,986	3,697	279	364	184	11.7
50,001 to 100,000	7,968	7,611	3,002	4,106	283	562	Q	10.9
100,001 to 200,000	6,776	6,269	2,338	3,334	Q	676	Q	12.7
200,001 to 500,000	5,553	5,303	2,130	2,584	424	951	Q	13.8
Over 500,000	5,313	4,995	2,854	1,656	Q	1,064	Q	17.7
Principal Building Activity								
Education	7,740	7,515	1,917	4,484	968	773	220	12.5
Food Sales	642	599	249	337	Q	Q	Q	25.2
Food Service	1,353	1,342	326	904	Q	Q	Q	23.8
Health Care	2,333	2,327	438	1,332	Q	583	Q	15.9
Lodging	3,618	3,609	531	2,537	Q	591	103	18.1
Mercantile and Service	12,728	10,925	6,687	4,397	331	Q	319	15.0
Office	10,478	10,278	5,631	3,873	244	932	Q	11.8
Public Assembly	3,948	3,632	1,333	1,990	Q	413	Q	16.2
Public Order and Safety	1,271	1,018	254	400	Q	Q	Q	31.7
Religious Worship	2,792	2,685	1,199	1,587	Q	Q	Q	20.6
Warehouse and Storage	8,481	5,845	3,901	2,094	Q	Q	Q	19.7
Other	1,004	893	297	416	Q	129	Q	37.8
Vacant	2,384	892	292	509	Q	Q	Q	30.1
Year Constructed								
1919 or Before	3,673	3,206	980	1,858	Q	298	Q	20.5
1920 to 1945	6,710	5,349	1,860	2,745	288	567	Q	16.7
1946 to 1959	9,298	8,136	2,910	4,593	573	681	Q	15.1
1960 to 1969	10,858	9,722	3,320	5,237	493	1,089	259	12.5
1970 to 1979	11,333	10,117	5,138	4,393	358	821	Q	11.7
1980 to 1989	12,252	11,105	6,759	4,321	Q	259	303	12.6
1990 to 1992	2,590	2,263	1,184	996	Q	141	Q	17.6
1993 to 1995	2,059	1,661	905	716	Q	Q	Q	21.6
Census Region								
Northeast	11,883	10,778	4,689	3,848	1,668	1,260	325	12.4
Midwest	14,322	12,517	4,516	7,261	Q	1,271	224	11.6
South	20,830	17,511	9,757	7,767	309	646	279	13.5
West	11,736	10,754	4,094	5,983	Q	772	Q	15.3
Workers (main shift)								
Fewer than 5	13,885	8,772	3,867	4,290	224	Q	232	14.6
5 to 9	6,291	5,610	2,705	2,543	Q	Q	Q	15.8
10 to 19	7,102	6,566	3,220	3,000	320	Q	Q	14.5
20 to 49	9,132	8,763	3,897	4,589	330	420	Q	11.8
50 to 99	6,931	6,622	2,553	3,579	290	473	Q	13.6
100 to 249	5,988	5,903	2,257	3,145	346	668	Q	13.4
250 or More	9,443	9,324	4,558	3,713	337	1,829	Q	12.8

See footnotes at end of table.

Table 27. Water-Heating Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.0	1.4	2.2	
Weekly Operating Hours								
39 or Fewer	6,134	3,290	1,285	1,839	Q	Q	Q	17.7
40 to 48	13,233	11,585	6,028	5,150	342	314	Q	14.8
49 to 60	12,242	10,765	5,086	4,935	615	565	Q	12.6
61 to 84	10,052	9,535	5,110	4,458	310	435	Q	12.5
85 to 167	6,202	5,928	2,462	2,851	Q	684	Q	13.9
Open Continuously	10,908	10,457	3,086	5,626	420	1,883	239	11.7
Energy Sources (more than one may apply)								
Electricity	57,076	51,363	23,056	24,756	2,151	3,937	1,020	7.1
Natural Gas	38,145	36,284	12,144	24,859	972	1,528	Q	8.4
Fuel Oil	14,421	13,959	5,452	6,028	2,151	1,506	267	11.3
District Heat	5,658	5,424	1,182	743	Q	3,949	Q	16.7
District Chilled Water	2,521	2,442	629	498	Q	1,465	Q	18.8
Propane	5,344	4,934	2,837	847	584	Q	1,020	17.0
Other	2,336	2,024	702	1,073	Q	215	Q	26.2
Primary Space-Heating Energy Source								
Electricity	13,500	12,586	9,502	3,338	Q	Q	323	14.3
Natural Gas	28,808	27,119	8,964	19,924	224	Q	Q	9.1
Fuel Oil	4,207	3,873	1,718	663	1,659	Q	Q	19.3
District Heat	5,289	5,055	1,073	623	Q	3,717	Q	17.3
Propane	1,545	1,304	896	Q	Q	Q	436	26.3
Other	514	392	Q	Q	Q	Q	Q	52.7
Cooking Energy Sources (more than one may apply)								
Electricity	12,249	12,179	6,281	5,991	619	973	291	12.1
Natural Gas	13,195	13,178	3,799	9,611	678	988	Q	10.4
Propane	1,480	1,480	943	Q	315	Q	517	22.3
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	50,796	22,445	24,684	2,150	3,933	982	7.3
Buildings with Cooling	49,935	47,249	21,611	22,887	1,675	3,665	888	7.3
Buildings with Water Heating	51,560	51,560	23,056	24,859	2,151	3,949	1,020	7.1
Buildings with Cooking	20,713	20,632	8,455	11,489	1,214	1,548	609	8.7
Buildings with Manufacturing	3,893	3,666	1,926	1,459	Q	Q	Q	19.1
Buildings with Electricity Generation	13,366	13,239	5,355	6,779	825	1,759	253	10.9
Water-Heating Equipment (more than one may apply)								
Centralized System	31,656	31,656	10,941	16,401	1,618	2,963	612	8.3
Distributed System	16,495	16,495	11,036	6,316	293	458	383	11.8
Combination of Centralized and Distributed System	3,409	3,409	1,079	2,143	Q	528	Q	16.4

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.

Table 28. Cooking Energy Sources, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			
			Electricity	Natural Gas	Propane			Electricity	Natural Gas	Propane	
			1.2	1.2	2.4			0.9	0.8	2.2	
RSE Column Factor:	0.6	0.9	1.2	1.2	2.4	0.5	0.7	0.9	0.8	2.2	
All Buildings	4,579	828	487	448	123	58,772	20,713	12,249	13,195	1,480	7.0
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	339	230	152	74	6,338	922	609	441	188	12.7
5,001 to 10,000	1,035	175	89	109	Q	7,530	1,319	718	816	Q	18.6
10,001 to 25,000	745	169	88	95	Q	11,617	2,731	1,388	1,549	Q	16.2
25,001 to 50,000	213	66	35	41	5	7,676	2,433	1,275	1,526	171	11.5
50,001 to 100,000	115	42	22	26	4	7,968	2,939	1,561	1,742	303	11.7
100,001 to 200,000	48	22	12	14	Q	6,776	3,028	1,726	1,933	Q	12.0
200,001 to 500,000	19	12	7	8	Q	5,553	3,482	2,186	2,364	Q	11.5
Over 500,000	6	4	3	3	Q	5,313	3,859	2,786	2,824	Q	13.4
Principal Building Activity											
Education	309	113	53	67	9	7,740	4,881	2,715	3,021	447	14.5
Food Sales	137	51	41	17	Q	642	351	242	181	Q	23.7
Food Service	285	241	149	161	69	1,353	1,254	757	937	272	16.2
Health Care	105	18	Q	9	Q	2,333	1,631	946	1,259	Q	21.1
Lodging	158	51	17	40	Q	3,618	2,064	954	1,746	Q	19.0
Mercantile and Service	1,289	135	93	61	8	12,728	4,362	3,005	2,637	318	15.7
Office	705	19	12	10	Q	10,478	2,750	1,793	1,466	Q	12.7
Public Assembly	326	109	61	47	Q	3,948	1,610	749	1,055	Q	21.8
Public Order and Safety	87	4	Q	Q	Q	1,271	260	Q	Q	Q	39.6
Religious Worship	269	72	45	22	Q	2,792	957	598	327	Q	22.5
Warehouse and Storage	580	Q	Q	Q	Q	8,481	311	Q	Q	Q	27.3
Other	67	Q	Q	Q	Q	1,004	Q	Q	Q	Q	45.2
Vacant	261	Q	Q	Q	Q	2,384	Q	Q	Q	Q	27.1
Year Constructed											
1919 or Before	353	77	37	55	Q	3,673	1,272	637	932	Q	23.7
1920 to 1945	562	100	54	54	Q	6,710	1,555	658	1,172	Q	18.6
1946 to 1959	867	129	60	88	Q	9,298	3,177	1,695	2,048	Q	15.3
1960 to 1969	718	147	73	85	Q	10,858	4,207	2,263	2,833	398	14.5
1970 to 1979	813	142	91	68	27	11,333	4,344	2,965	2,604	307	13.8
1980 to 1989	846	168	122	67	50	12,252	4,301	2,852	2,501	454	13.8
1990 to 1992	218	42	32	25	Q	2,590	1,082	732	692	Q	22.1
1993 to 1995	202	23	Q	7	Q	2,059	774	446	415	Q	27.8
Census Region											
Northeast	725	141	84	59	49	11,883	4,634	2,437	2,914	621	14.7
Midwest	1,139	176	105	116	Q	14,322	4,785	3,015	3,506	Q	14.6
South	1,750	310	193	146	34	20,830	7,173	4,311	4,167	594	12.1
West	964	202	105	127	Q	11,736	4,121	2,485	2,609	Q	14.7
Workers (main shift)											
Fewer than 5	2,505	283	165	135	Q	13,885	1,609	834	819	Q	13.7
5 to 9	798	150	94	86	Q	6,291	1,272	665	710	Q	19.3
10 to 19	625	163	106	80	Q	7,102	1,686	1,037	969	Q	17.3
20 to 49	400	135	73	88	18	9,132	3,515	1,827	2,273	271	13.2
50 to 99	138	52	23	31	6	6,931	3,362	1,774	2,113	386	13.1
100 to 249	71	24	14	16	Q	5,988	2,825	1,694	1,897	Q	13.5
250 or More	43	20	12	12	Q	9,443	6,444	4,417	4,413	Q	12.7

See footnotes at end of table.

Table 28. Cooking Energy Sources, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			
			Electricity	Natural Gas	Propane			Electricity	Natural Gas	Propane	
			0.6	0.9	1.2			1.2	2.4	0.5	
RSE Column Factor:	0.6	0.9	1.2	1.2	2.4	0.5	0.7	0.9	0.8	2.2	
Weekly Operating Hours											
39 or Fewer	899	92	41	54	Q	6,134	872	353	583	Q	19.3
40 to 48	1,257	144	92	61	Q	13,233	2,806	1,547	1,606	Q	13.9
49 to 60	969	104	48	56	28	12,242	3,379	1,817	1,916	362	15.9
61 to 84	567	180	97	115	19	10,052	5,017	3,291	3,187	349	15.0
85 to 167	420	212	161	100	48	6,202	3,064	2,102	1,660	344	13.9
Open Continuously	466	96	48	62	9	10,908	5,575	3,138	4,244	243	14.0
Energy Sources (more than one may apply)											
Electricity	4,343	827	487	448	123	57,076	20,611	12,249	13,104	1,480	6.9
Natural Gas	2,478	549	263	448	Q	38,145	15,968	8,498	13,195	Q	7.7
Fuel Oil	607	122	77	49	31	14,421	8,018	4,916	5,327	676	14.3
District Heat	110	17	6	10	Q	5,658	2,031	1,279	1,276	Q	22.1
District Chilled Water	53	10	3	7	Q	2,521	982	620	638	Q	25.7
Propane	589	172	112	19	123	5,344	2,322	1,183	513	1,480	19.2
Other	213	30	20	8	Q	2,336	945	476	553	Q	25.2
Water-Heating Energy Sources (more than one may apply)											
Electricity	1,684	329	249	88	79	23,056	8,455	6,281	3,799	943	11.1
Natural Gas	1,577	441	208	370	Q	24,859	11,489	5,991	9,611	Q	8.4
Fuel Oil	120	42	27	Q	17	2,151	1,214	619	678	315	26.8
District Heat	54	7	4	5	Q	3,949	1,548	973	988	Q	21.3
Propane	110	47	27	Q	45	1,020	609	291	Q	517	27.0
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	804	473	438	117	54,347	20,338	11,951	13,080	1,451	7.2
Buildings with Cooling	3,381	724	423	401	109	49,935	19,465	11,661	12,433	1,352	7.2
Buildings with Water Heating	3,486	816	479	447	123	51,560	20,632	12,179	13,178	1,480	7.1
Buildings with Cooking	828	828	487	448	123	20,713	20,713	12,249	13,195	1,480	7.4
Buildings with Manufacturing	204	27	17	13	Q	3,893	1,004	661	575	Q	28.8
Buildings with Electricity Generation	247	65	34	43	6	13,366	8,345	5,285	5,953	414	12.4

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1995 Commercial Buildings Energy Consumption Survey.