

**Table A29. Energy Sources, Number of Buildings, 1992**  
(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	1.1	1.6	2.2	1.6	2.0	
<b>All Buildings</b> .....	4,806	4,620	4,616	2,665	559	95	28	337	103	7.7
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	2,681	2,543	2,539	1,331	288	18	Q	218	70	10.8
5,001 to 10,000 .....	975	954	954	574	125	11	Q	62	25	10.7
10,001 to 25,000 .....	647	628	628	420	62	28	8	32	Q	11.6
25,001 to 50,000 .....	280	275	275	181	39	16	9	15	Q	13.0
50,001 to 100,000 .....	116	114	114	83	21	10	Q	6	Q	13.0
100,001 to 200,000 .....	71	70	70	52	11	6	2	3	Q	15.3
200,001 to 500,000 .....	26	25	25	18	10	5	2	Q	Q	16.5
Over 500,000 .....	9	9	9	6	4	1	1	Q	Q	30.1
<b>Principal Building Activity</b>										
Education .....	301	301	301	196	28	21	9	16	Q	15.8
Food Sales .....	130	130	130	71	Q	Q	Q	Q	Q	26.6
Food Service .....	260	260	260	196	22	Q	Q	30	Q	16.3
Health Care .....	63	63	63	45	7	2	Q	Q	Q	27.0
Lodging .....	154	154	154	98	18	9	Q	17	Q	20.8
Mercantile and Service .....	1,272	1,270	1,268	765	198	9	Q	107	49	11.6
Office .....	749	749	749	474	87	24	8	15	Q	12.5
Parking Garage .....	24	24	24	11	Q	Q	Q	Q	Q	49.5
Public Assembly .....	278	278	278	171	29	10	Q	26	Q	15.6
Public Order and Safety .....	60	60	60	37	15	Q	Q	Q	Q	32.3
Religious Worship .....	366	366	366	209	60	Q	Q	52	Q	18.3
Warehouse and Storage .....	761	685	685	265	63	Q	Q	40	Q	14.3
Other .....	69	65	65	29	11	4	Q	Q	Q	29.9
Vacant .....	319	215	213	98	13	2	Q	Q	Q	18.3
<b>Year Constructed</b>										
1899 or Before .....	169	169	169	112	31	4	Q	Q	Q	24.3
1900 to 1919 .....	255	244	244	178	52	10	Q	Q	Q	18.6
1920 to 1945 .....	724	683	681	437	105	13	Q	42	37	13.4
1946 to 1959 .....	880	839	839	515	107	22	7	60	Q	13.2
1960 to 1969 .....	783	759	759	465	89	22	5	53	Q	12.4
1970 to 1979 .....	982	945	945	517	91	9	5	67	Q	12.4
1980 to 1989 .....	884	855	855	387	74	11	Q	73	Q	11.7
1990 to 1992 .....	128	127	124	53	8	Q	Q	20	Q	26.2
<b>Census Region</b>										
Northeast .....	771	755	755	370	284	23	2	71	Q	14.6
Midwest .....	1,202	1,141	1,139	847	79	24	7	80	35	14.8
South .....	1,963	1,878	1,876	888	182	28	10	153	38	12.4
West .....	870	845	845	560	14	21	9	Q	Q	18.1
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	4,616	4,616	4,616	2,665	556	95	28	335	99	7.6
Natural Gas .....	2,665	2,665	2,665	2,665	130	35	15	20	23	10.3
Fuel Oil .....	559	559	556	130	559	11	2	61	Q	15.5
District Heat .....	95	95	95	35	11	95	24	Q	Q	16.7
District Chilled Water .....	28	28	28	15	2	24	28	Q	Q	24.0
Propane .....	337	337	335	20	61	Q	Q	337	Q	22.4
Any Other .....	163	163	159	43	34	Q	Q	Q	103	19.4
<b>Energy End Uses (more than one may apply)</b>										
Heated Buildings .....	4,178	4,178	4,173	2,627	554	95	28	330	102	7.7
Air-Conditioned Buildings .....	3,502	3,502	3,502	2,263	378	82	28	230	29	8.0
Buildings with Water Heating .....	3,502	3,502	3,502	2,333	435	82	22	244	49	7.9
Buildings with Cooking .....	734	734	734	532	101	19	8	84	Q	11.2
Buildings with Manufacturing .....	121	121	118	83	20	6	Q	15	Q	24.5

See footnotes at end of table.

**Table A29. Energy Sources, Number of Buildings, 1992 (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	1.1	1.6	2.2	1.6	2.0	
<b>Climate Zone: 45-Year Average</b>										
Fewer than 2,000 CDD and --										
More than 7,000 HDD .....	399	382	382	228	80	10	Q	34	Q	26.9
5,500-7,000 HDD .....	1,134	1,089	1,089	766	184	29	5	70	Q	19.1
4,000-5,499 HDD .....	1,077	1,043	1,039	481	211	27	4	105	39	23.1
Fewer than 4,000 HDD .....	1,101	1,058	1,058	649	Q	13	10	88	Q	23.9
More than 2,000 CDD and --										
Fewer than 4,000 HDD .....	1,095	1,048	1,048	541	32	16	9	41	Q	20.3
<b>Workers (main shift)</b>										
Less than 5 .....	2,718	2,534	2,530	1,266	304	22	Q	215	84	10.7
5 to 9 .....	895	895	895	560	94	14	Q	64	Q	10.7
10 to 19 .....	561	560	560	383	67	22	10	33	Q	12.8
20 to 49 .....	405	405	405	300	43	17	5	16	Q	13.0
50 to 99 .....	130	130	130	87	21	10	3	5	Q	15.7
100 to 249 .....	64	64	64	48	15	4	2	4	Q	15.3
250 or More .....	31	31	31	22	14	7	3	Q	Q	14.6
<b>Weekly Operating Hours</b>										
39 or Fewer .....	1,039	891	889	407	119	11	Q	94	Q	14.3
40 to 48 .....	1,278	1,270	1,270	753	146	34	8	59	34	11.0
49 to 60 .....	1,004	994	992	599	131	16	4	69	Q	12.0
61 to 84 .....	645	641	641	404	77	9	4	44	Q	10.8
85 to 167 .....	478	475	475	299	41	7	Q	46	Q	15.2
Open Continuously .....	362	349	349	202	44	19	5	26	Q	13.6
<b>Ownership and Occupancy</b>										
Nongovernment Owned .....	4,206	4,041	4,037	2,309	483	44	11	305	94	8.7
Owner Occupied .....	3,192	3,131	3,127	1,814	413	35	9	240	78	9.1
Nonowner Occupied .....	817	796	796	458	63	9	Q	57	Q	13.6
Unoccupied .....	197	114	114	37	Q	Q	Q	Q	Q	24.9
Government Owned .....	599	578	578	356	75	51	18	32	Q	12.3
<b>Energy-Related Space Functions (more than one may apply)</b>										
Commercial Food Preparation .....	735	735	735	533	101	19	8	84	Q	11.3
Computer Room .....	223	223	223	149	51	11	5	18	Q	15.1
Rooms with Special Ventilation .....	236	236	236	162	43	17	3	22	Q	15.9
Activity with Large Amounts of Hot Water .....	203	203	203	154	23	6	2	29	Q	14.7

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A30. Energy Sources, Percent of Buildings, 1992**

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:	--	0.1	0.1	0.7	2.1	2.9	4.2	2.7	3.3	
<b>All Buildings</b> .....	100.0	96.1	96.0	55.5	11.6	2.0	0.6	7.0	2.2	4.6
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	100.0	94.8	94.7	49.6	10.7	0.7	Q	8.1	2.6	6.6
5,001 to 10,000 .....	100.0	97.9	97.9	58.9	12.8	1.1	Q	6.4	2.6	7.4
10,001 to 25,000 .....	100.0	97.1	97.1	64.8	9.5	4.4	1.2	5.0	Q	7.6
25,001 to 50,000 .....	100.0	97.9	97.9	64.6	13.7	5.6	3.3	5.4	Q	7.9
50,001 to 100,000 .....	100.0	98.7	98.5	71.7	18.4	8.4	Q	4.8	Q	6.3
100,001 to 200,000 .....	100.0	99.7	99.7	73.7	15.5	8.9	2.9	4.4	Q	6.1
200,001 to 500,000 .....	100.0	96.8	96.8	70.9	38.7	18.1	9.0	Q	Q	10.1
Over 500,000 .....	100.0	99.9	99.9	64.7	37.9	15.6	7.2	Q	Q	6.8
<b>Principal Building Activity</b>										
Education .....	100.0	100.0	100.0	65.2	9.2	7.0	3.0	5.2	Q	8.2
Food Sales .....	100.0	100.0	100.0	54.6	Q	Q	Q	Q	Q	15.8
Food Service .....	100.0	100.0	100.0	75.6	8.5	Q	Q	11.6	Q	8.4
Health Care .....	100.0	100.0	100.0	71.5	11.7	3.6	Q	Q	Q	12.9
Lodging .....	100.0	100.0	100.0	63.8	11.7	5.9	Q	11.4	Q	11.1
Mercantile and Service .....	100.0	99.9	99.7	60.2	15.6	0.7	Q	8.4	3.8	5.0
Office .....	100.0	100.0	100.0	63.3	11.6	3.2	1.0	2.1	Q	7.1
Parking Garage .....	100.0	100.0	100.0	45.8	Q	Q	Q	Q	Q	33.8
Public Assembly .....	100.0	100.0	100.0	61.4	10.4	3.7	Q	9.4	Q	9.5
Public Order and Safety .....	100.0	100.0	100.0	61.8	24.3	Q	Q	Q	Q	14.2
Religious Worship .....	100.0	100.0	100.0	57.1	16.5	Q	Q	14.1	Q	9.5
Warehouse and Storage .....	100.0	90.0	90.0	34.8	8.2	Q	Q	5.3	Q	13.2
Other .....	100.0	94.2	94.2	41.6	16.4	5.6	Q	Q	Q	27.8
Vacant .....	100.0	67.3	66.6	30.8	4.1	0.8	Q	Q	Q	22.0
<b>Year Constructed</b>										
1899 or Before .....	100.0	100.0	100.0	66.5	18.4	2.2	Q	Q	Q	0.9
1900 to 1919 .....	100.0	95.7	95.5	69.7	20.3	3.9	Q	Q	Q	11.7
1920 to 1945 .....	100.0	94.2	94.0	60.4	14.5	1.8	Q	5.8	5.1	9.4
1946 to 1959 .....	100.0	95.4	95.4	58.6	12.2	2.6	0.8	6.9	Q	8.2
1960 to 1969 .....	100.0	96.9	96.9	59.4	11.4	2.9	0.7	6.7	Q	7.0
1970 to 1979 .....	100.0	96.2	96.2	52.7	9.3	0.9	0.5	6.8	Q	8.2
1980 to 1989 .....	100.0	96.7	96.7	43.8	8.4	1.3	Q	8.3	Q	8.2
1990 to 1992 .....	100.0	98.9	97.3	41.4	6.6	Q	Q	15.3	Q	13.1
<b>Census Region</b>										
Northeast .....	100.0	98.0	98.0	48.0	36.8	3.0	0.3	9.3	Q	9.3
Midwest .....	100.0	94.9	94.7	70.5	6.6	2.0	0.6	6.7	2.9	8.9
South .....	100.0	95.7	95.6	45.2	9.3	1.4	0.5	7.8	1.9	7.1
West .....	100.0	97.1	97.1	64.4	1.6	2.4	1.0	Q	Q	10.3
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	100.0	100.0	100.0	57.7	12.1	2.1	0.6	7.3	2.2	4.3
Natural Gas .....	100.0	100.0	100.0	100.0	4.9	1.3	0.6	0.8	0.8	6.5
Fuel Oil .....	100.0	100.0	99.6	23.2	100.0	2.0	0.4	10.9	Q	8.0
District Heat .....	100.0	100.0	99.7	36.6	11.7	100.0	24.9	Q	Q	7.3
District Chilled Water .....	100.0	100.0	100.0	52.9	8.6	83.5	100.0	Q	Q	8.9
Propane .....	100.0	100.0	99.4	6.1	18.0	Q	Q	100.0	Q	15.0
Any Other .....	100.0	100.0	97.5	26.6	20.6	Q	Q	Q	63.4	11.0
<b>Energy End Uses (more than one may apply)</b>										
Heated Buildings .....	100.0	100.0	99.9	62.9	13.3	2.3	0.7	7.9	2.4	3.4
Air-Conditioned Buildings .....	100.0	100.0	100.0	64.6	10.8	2.3	0.8	6.6	0.8	4.5
Buildings with Water Heating .....	100.0	100.0	100.0	66.6	12.4	2.3	0.6	7.0	1.4	4.4
Buildings with Cooking .....	100.0	100.0	100.0	72.4	13.7	2.5	1.1	11.5	Q	6.0
Buildings with Manufacturing .....	100.0	100.0	98.2	68.9	16.8	5.4	Q	12.0	Q	13.0

See footnotes at end of table.

**Table A30. Energy Sources, Percent of Buildings, 1992 (Continued)**

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:	--	0.1	0.1	0.7	2.1	2.9	4.2	2.7	3.3	
<b>Climate Zone: 45-Year Average</b>										
Fewer than 2,000 CDD and --										
More than 7,000 HDD .....	100.0	95.6	95.6	57.2	20.2	2.5	Q	8.4	Q	16.1
5,500-7,000 HDD .....	100.0	96.1	96.1	67.6	16.2	2.6	0.5	6.1	Q	9.7
4,000-5,499 HDD .....	100.0	96.9	96.5	44.7	19.6	2.5	0.4	9.7	3.7	9.0
Fewer than 4,000 HDD .....	100.0	96.1	96.1	58.9	4.7	1.2	0.9	8.0	Q	11.9
More than 2,000 CDD and --										
Fewer than 4,000 HDD .....	100.0	95.7	95.7	49.4	2.9	1.4	0.8	3.7	Q	9.7
<b>Workers (main shift)</b>										
Less than 5 .....	100.0	93.2	93.1	46.6	11.2	0.8	Q	7.9	3.1	6.9
5 to 9 .....	100.0	100.0	100.0	62.5	10.5	1.6	Q	7.2	Q	6.9
10 to 19 .....	100.0	99.7	99.7	68.3	12.0	3.9	1.7	5.8	Q	6.1
20 to 49 .....	100.0	100.0	100.0	74.0	10.6	4.1	1.2	3.9	Q	7.4
50 to 99 .....	100.0	100.0	100.0	67.1	16.4	7.9	2.5	3.8	Q	8.3
100 to 249 .....	100.0	100.0	100.0	74.7	23.9	5.6	3.0	6.0	Q	7.5
250 or More .....	100.0	100.0	100.0	69.3	43.2	21.7	8.6	Q	Q	7.2
<b>Weekly Operating Hours</b>										
39 or Fewer .....	100.0	85.7	85.5	39.1	11.5	1.0	Q	9.1	Q	11.9
40 to 48 .....	100.0	99.3	99.3	58.9	11.4	2.6	0.6	4.6	2.6	5.5
49 to 60 .....	100.0	99.0	98.8	59.7	13.1	1.6	0.4	6.9	Q	7.0
61 to 84 .....	100.0	99.4	99.4	62.7	11.9	1.3	0.6	6.8	Q	5.8
85 to 167 .....	100.0	99.3	99.3	62.5	8.6	1.5	Q	9.5	Q	7.7
Open Continuously .....	100.0	96.5	96.5	55.9	12.3	5.2	1.5	7.0	Q	9.2
<b>Ownership and Occupancy</b>										
Nongovernment Owned .....	100.0	96.1	96.0	54.9	11.5	1.0	0.3	7.2	2.2	5.5
Owner Occupied .....	100.0	98.1	98.0	56.8	12.9	1.1	0.3	7.5	2.4	5.3
Nonowner Occupied .....	100.0	97.4	97.4	56.1	7.8	1.1	Q	6.9	Q	9.0
Unoccupied .....	100.0	58.0	58.0	18.9	Q	Q	Q	Q	Q	56.4
Government Owned .....	100.0	96.5	96.5	59.4	12.6	8.5	2.9	5.4	Q	6.4
<b>Energy-Related Space Functions (more than one may apply)</b>										
Commercial Food Preparation .....	100.0	100.0	100.0	72.5	13.7	2.5	1.1	11.4	Q	6.0
Computer Room .....	100.0	100.0	100.0	66.7	23.0	5.1	2.4	8.1	Q	7.0
Rooms with Special Ventilation .....	100.0	99.8	99.8	68.5	18.3	7.0	1.4	9.4	Q	5.6
Activity with Large Amounts of Hot Water .....	100.0	100.0	100.0	75.7	11.4	3.2	1.2	14.1	Q	8.1

-- = Data not applicable.

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A31. Energy Sources, Floorspace, 1992**  
(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:	0.6	0.6	0.6	0.6	1.0	1.5	2.1	1.6	1.9	
<b>All Buildings</b> .....	67,876	66,574	66,549	45,097	13,218	5,339	2,066	3,393	518	7.1
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	7,327	7,006	6,996	3,761	829	56	Q	573	177	10.9
5,001 to 10,000 .....	7,199	7,057	7,057	4,266	925	73	Q	466	185	10.6
10,001 to 25,000 .....	10,375	10,097	10,097	6,865	978	450	115	456	Q	11.3
25,001 to 50,000 .....	10,069	9,856	9,856	6,510	1,377	545	311	501	Q	13.2
50,001 to 100,000 .....	8,062	7,951	7,936	5,735	1,539	653	Q	411	Q	12.9
100,001 to 200,000 .....	9,678	9,658	9,658	7,134	1,573	780	252	500	Q	15.2
200,001 to 500,000 .....	7,889	7,678	7,678	5,648	3,017	1,532	737	Q	Q	16.7
Over 500,000 .....	7,278	7,271	7,271	5,177	2,980	1,250	515	Q	Q	24.5
<b>Principal Building Activity</b>										
Education .....	8,470	8,470	8,470	6,849	1,837	688	253	470	Q	13.7
Food Sales .....	757	757	757	512	Q	Q	Q	Q	Q	28.1
Food Service .....	1,491	1,491	1,491	1,145	142	Q	Q	158	Q	19.8
Health Care .....	1,763	1,763	1,763	1,557	1,093	403	227	Q	Q	17.8
Lodging .....	2,891	2,891	2,891	2,233	827	580	Q	357	Q	22.3
Mercantile and Service .....	12,402	12,399	12,393	9,382	2,106	148	Q	742	203	15.5
Office .....	12,319	12,319	12,319	7,855	3,605	1,713	659	211	Q	12.2
Parking Garage .....	1,652	1,652	1,652	Q	Q	Q	Q	Q	Q	47.8
Public Assembly .....	4,556	4,556	4,556	2,537	825	348	Q	281	Q	28.0
Public Order and Safety .....	820	820	820	582	251	Q	Q	Q	Q	40.8
Religious Worship .....	3,747	3,747	3,747	2,899	532	Q	Q	247	Q	21.1
Warehouse and Storage .....	11,484	11,179	11,179	6,339	1,012	Q	Q	625	Q	16.7
Other .....	1,130	1,124	1,124	819	278	326	Q	Q	Q	25.8
Vacant .....	4,396	3,407	3,388	2,021	575	410	Q	Q	Q	29.0
<b>Year Constructed</b>										
1899 or Before .....	1,721	1,721	1,721	1,249	344	91	Q	Q	Q	23.5
1900 to 1919 .....	3,608	3,416	3,402	2,826	764	269	Q	Q	Q	25.4
1920 to 1945 .....	8,712	8,400	8,396	5,738	1,748	1,135	Q	390	199	17.0
1946 to 1959 .....	10,421	10,135	10,135	7,294	1,647	566	241	401	Q	13.6
1960 to 1969 .....	12,612	12,479	12,479	8,900	2,363	1,419	376	642	Q	14.2
1970 to 1979 .....	14,014	13,781	13,781	9,230	2,747	976	632	786	Q	12.8
1980 to 1989 .....	14,287	14,153	14,153	8,230	2,862	681	243	810	Q	14.8
1990 to 1992 .....	2,502	2,489	2,483	1,630	743	202	164	212	Q	18.3
<b>Census Region</b>										
Northeast .....	13,400	13,235	13,235	8,559	5,535	1,560	302	1,041	Q	14.3
Midwest .....	17,280	16,920	16,914	13,838	2,541	1,884	684	579	140	12.2
South .....	24,577	24,004	23,985	13,408	3,582	983	659	1,514	168	11.7
West .....	12,619	12,415	12,415	9,292	1,559	912	421	260	Q	14.0
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	66,549	66,549	66,549	45,097	13,211	5,324	2,066	3,386	508	7.1
Natural Gas .....	45,097	45,097	45,097	45,097	8,450	2,798	1,109	814	181	8.9
Fuel Oil .....	13,218	13,218	13,211	8,450	13,218	1,280	588	1,243	Q	11.0
District Heat .....	5,339	5,339	5,324	2,798	1,280	5,339	1,737	Q	Q	14.2
District Chilled Water .....	2,066	2,066	2,066	1,109	588	1,737	2,066	Q	Q	22.1
Propane .....	3,393	3,393	3,386	814	1,243	Q	Q	3,393	Q	19.1
Any Other .....	1,551	1,551	1,541	788	375	Q	Q	Q	518	28.1
<b>Energy End Uses (more than one may apply)</b>										
Heated Buildings .....	61,996	61,996	61,971	44,624	12,933	5,324	2,063	3,340	511	7.3
Air-Conditioned Buildings .....	57,041	57,041	57,041	41,423	12,081	4,786	2,066	2,837	206	7.9
Buildings with Water Heating .....	58,479	58,479	58,479	43,151	12,605	5,177	1,978	2,961	322	7.5
Buildings with Cooking .....	23,065	23,065	23,065	18,487	7,452	2,280	920	1,549	Q	10.7
Buildings with Manufacturing .....	3,174	3,174	3,167	2,546	739	486	Q	299	Q	22.4

See footnotes at end of table.

**Table A31. Energy Sources, Floorspace, 1992 (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:	0.6	0.6	0.6	0.6	1.0	1.5	2.1	1.6	1.9	
<b>Climate Zone: 45-Year Average</b>										
Fewer than 2,000 CDD and --										
More than 7,000 HDD .....	5,623	5,476	5,476	3,685	1,551	513	Q	481	Q	23.6
5,500-7,000 HDD .....	18,024	17,730	17,730	13,771	4,208	1,944	574	716	Q	15.1
4,000-5,499 HDD .....	16,162	15,990	15,965	10,517	4,009	1,706	526	869	139	15.3
Fewer than 4,000 HDD .....	15,251	14,878	14,878	11,017	2,191	595	437	646	Q	21.2
More than 2,000 CDD and --										
Fewer than 4,000 HDD .....	12,816	12,501	12,501	6,107	1,259	581	467	682	Q	17.7
<b>Workers (main shift)</b>										
Less than 5 .....	17,944	16,665	16,640	8,079	1,793	410	Q	929	332	15.1
5 to 9 .....	7,524	7,524	7,524	4,494	786	321	Q	510	Q	13.1
10 to 19 .....	8,077	8,054	8,054	5,484	884	494	193	402	Q	14.3
20 to 49 .....	10,556	10,556	10,556	8,357	1,094	518	191	445	Q	13.0
50 to 99 .....	7,763	7,763	7,763	5,982	1,487	806	327	384	Q	17.5
100 to 249 .....	7,378	7,378	7,378	6,076	2,314	674	192	484	Q	17.5
250 or More .....	8,633	8,633	8,633	6,625	4,860	2,115	868	Q	Q	14.0
<b>Weekly Operating Hours</b>										
39 or Fewer .....	8,246	7,101	7,083	4,032	1,137	375	Q	522	Q	15.9
40 to 48 .....	14,998	14,952	14,952	9,529	2,448	807	312	532	138	11.7
49 to 60 .....	14,046	14,026	14,020	9,575	2,473	1,059	357	674	Q	10.9
61 to 84 .....	12,062	12,028	12,028	9,141	2,320	702	178	533	Q	14.6
85 to 167 .....	8,467	8,455	8,455	6,509	1,695	508	278	493	Q	17.5
Open Continuously .....	10,057	10,011	10,011	6,311	3,145	1,888	724	639	Q	16.7
<b>Ownership and Occupancy</b>										
Nongovernment Owned .....	52,752	51,612	51,601	34,151	9,420	2,893	1,074	2,694	478	7.8
Owner Occupied .....	38,403	38,173	38,162	26,187	7,627	2,541	896	2,066	400	7.6
Nonowner Occupied .....	12,273	12,156	12,156	7,466	1,600	350	Q	589	Q	15.7
Unoccupied .....	2,077	1,283	1,283	498	Q	Q	Q	Q	Q	27.1
Government Owned .....	15,124	14,962	14,948	10,945	3,798	2,446	992	699	Q	12.2
<b>Energy-Related Space Functions (more than one may apply)</b>										
Commercial Food Preparation .....	22,166	22,166	22,166	18,488	7,452	2,280	920	1,545	Q	10.0
Computer Room .....	14,199	14,199	14,199	10,618	5,745	2,124	839	925	Q	11.6
Rooms with Special Ventilation .....	8,042	8,036	8,036	6,332	2,995	1,627	500	542	Q	12.4
Activity with Large Amounts of Hot Water .....	6,862	6,862	6,862	5,725	2,445	818	416	561	Q	15.5

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A32. Energy Sources, Percent of Floorspace, 1992**

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:	--	0.1	0.1	0.8	2.0	3.2	4.8	3.5	4.1	
<b>All Buildings</b> .....	100.0	98.1	98.0	66.4	19.5	7.9	3.0	5.0	0.8	3.8
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	100.0	95.6	95.5	51.3	11.3	0.8	Q	7.8	2.4	6.7
5,001 to 10,000 .....	100.0	98.0	98.0	59.3	12.8	1.0	Q	6.5	2.6	7.5
10,001 to 25,000 .....	100.0	97.3	97.3	66.2	9.4	4.3	1.1	4.4	Q	7.7
25,001 to 50,000 .....	100.0	97.9	97.9	64.7	13.7	5.4	3.1	5.0	Q	8.0
50,001 to 100,000 .....	100.0	98.6	98.4	71.1	19.1	8.1	Q	5.1	Q	6.9
100,001 to 200,000 .....	100.0	99.8	99.8	73.7	16.3	8.1	2.6	5.2	Q	5.8
200,001 to 500,000 .....	100.0	97.3	97.3	71.6	38.2	19.4	9.3	Q	Q	10.0
Over 500,000 .....	100.0	99.9	99.9	71.1	40.9	17.2	7.1	Q	Q	5.6
<b>Principal Building Activity</b>										
Education .....	100.0	100.0	100.0	80.9	21.7	8.1	3.0	5.6	Q	5.9
Food Sales .....	100.0	100.0	100.0	67.7	Q	Q	Q	Q	Q	11.8
Food Service .....	100.0	100.0	100.0	76.8	9.5	Q	Q	10.6	Q	10.3
Health Care .....	100.0	100.0	100.0	88.3	62.0	22.9	12.9	Q	Q	4.7
Lodging .....	100.0	100.0	100.0	77.3	28.6	20.1	Q	12.3	Q	7.7
Mercantile and Service .....	100.0	100.0	99.9	75.7	17.0	1.2	Q	6.0	1.6	3.3
Office .....	100.0	100.0	100.0	63.8	29.3	13.9	5.3	1.7	Q	5.9
Parking Garage .....	100.0	100.0	100.0	Q	Q	Q	Q	Q	Q	100.0
Public Assembly .....	100.0	100.0	100.0	55.7	18.1	7.6	Q	6.2	Q	16.2
Public Order and Safety .....	100.0	100.0	100.0	71.0	30.6	Q	Q	Q	Q	12.1
Religious Worship .....	100.0	100.0	100.0	77.4	14.2	Q	Q	6.6	Q	7.2
Warehouse and Storage .....	100.0	97.3	97.3	55.2	8.8	Q	Q	5.4	Q	9.9
Other .....	100.0	99.5	99.5	72.5	24.6	28.9	15.7	Q	Q	8.7
Vacant .....	100.0	77.5	77.1	46.0	13.1	9.3	Q	Q	Q	26.8
<b>Year Constructed</b>										
1899 or Before .....	100.0	100.0	100.0	72.6	20.0	5.3	Q	Q	Q	1.5
1900 to 1919 .....	100.0	94.7	94.3	78.3	21.2	7.5	Q	Q	Q	16.3
1920 to 1945 .....	100.0	96.4	96.4	65.9	20.1	13.0	Q	4.5	2.3	9.8
1946 to 1959 .....	100.0	97.3	97.3	70.0	15.8	5.4	2.3	3.8	Q	7.8
1960 to 1969 .....	100.0	98.9	98.9	70.6	18.7	11.3	3.0	5.1	Q	6.2
1970 to 1979 .....	100.0	98.3	98.3	65.9	19.6	7.0	4.5	5.6	Q	6.9
1980 to 1989 .....	100.0	99.1	99.1	57.6	20.0	4.8	1.7	5.7	Q	6.5
1990 to 1992 .....	100.0	99.5	99.2	65.2	29.7	8.1	6.6	8.5	Q	7.0
<b>Census Region</b>										
Northeast .....	100.0	98.8	98.8	63.9	41.3	11.6	2.3	7.8	Q	8.0
Midwest .....	100.0	97.9	97.9	80.1	14.7	10.9	4.0	3.3	0.8	6.5
South .....	100.0	97.7	97.6	54.6	14.6	4.0	2.7	6.2	0.7	6.3
West .....	100.0	98.4	98.4	73.6	12.4	7.2	3.3	2.1	Q	8.2
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	100.0	100.0	100.0	67.8	19.9	8.0	3.1	5.1	0.8	3.3
Natural Gas .....	100.0	100.0	100.0	100.0	18.7	6.2	2.5	1.8	0.4	4.7
Fuel Oil .....	100.0	100.0	100.0	63.9	100.0	9.7	4.5	9.4	Q	3.9
District Heat .....	100.0	100.0	99.7	52.4	24.0	100.0	32.5	Q	Q	5.0
District Chilled Water .....	100.0	100.0	100.0	53.7	28.5	84.1	100.0	Q	Q	8.2
Propane .....	100.0	100.0	99.8	24.0	36.6	Q	Q	100.0	Q	8.8
Any Other .....	100.0	100.0	99.3	50.8	24.2	Q	Q	Q	33.4	11.7
<b>Energy End Uses (more than one may apply)</b>										
Heated Buildings .....	100.0	100.0	100.0	72.0	20.9	8.6	3.3	5.4	0.8	2.5
Air-Conditioned Buildings .....	100.0	100.0	100.0	72.6	21.2	8.4	3.6	5.0	0.4	3.6
Buildings with Water Heating .....	100.0	100.0	100.0	73.8	21.6	8.9	3.4	5.1	0.6	3.5
Buildings with Cooking .....	100.0	100.0	100.0	80.2	32.3	9.9	4.0	6.7	Q	4.8
Buildings with Manufacturing .....	100.0	100.0	99.8	80.2	23.3	15.3	Q	9.4	Q	6.8

See footnotes at end of table.

**Table A32. Energy Sources, Percent of Floorspace, 1992 (Continued)**

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:	--	0.1	0.1	0.8	2.0	3.2	4.8	3.5	4.1	
<b>Climate Zone: 45-Year Average</b>										
Fewer than 2,000 CDD and --										
More than 7,000 HDD .....	100.0	97.4	97.4	65.5	27.6	9.1	Q	8.6	Q	13.7
5,500-7,000 HDD .....	100.0	98.4	98.4	76.4	23.3	10.8	3.2	4.0	Q	7.1
4,000-5,499 HDD .....	100.0	98.9	98.8	65.1	24.8	10.6	3.3	5.4	0.9	6.2
Fewer than 4,000 HDD .....	100.0	97.5	97.5	72.2	14.4	3.9	2.9	4.2	Q	8.8
More than 2,000 CDD and --										
Fewer than 4,000 HDD .....	100.0	97.5	97.5	47.7	9.8	4.5	3.6	5.3	Q	9.2
<b>Workers (main shift)</b>										
Less than 5 .....	100.0	92.9	92.7	45.0	10.0	2.3	Q	5.2	1.9	10.1
5 to 9 .....	100.0	100.0	100.0	59.7	10.4	4.3	Q	6.8	Q	7.9
10 to 19 .....	100.0	99.7	99.7	67.9	10.9	6.1	2.4	5.0	Q	6.3
20 to 49 .....	100.0	100.0	100.0	79.2	10.4	4.9	1.8	4.2	Q	5.8
50 to 99 .....	100.0	100.0	100.0	77.1	19.1	10.4	4.2	4.9	Q	7.9
100 to 249 .....	100.0	100.0	100.0	82.4	31.4	9.1	2.6	6.6	Q	6.1
250 or More .....	100.0	100.0	100.0	76.7	56.3	24.5	10.1	Q	Q	4.8
<b>Weekly Operating Hours</b>										
39 or Fewer .....	100.0	86.1	85.9	48.9	13.8	4.5	Q	6.3	Q	13.9
40 to 48 .....	100.0	99.7	99.7	63.5	16.3	5.4	2.1	3.5	0.9	5.1
49 to 60 .....	100.0	99.9	99.8	68.2	17.6	7.5	2.5	4.8	Q	4.0
61 to 84 .....	100.0	99.7	99.7	75.8	19.2	5.8	1.5	4.4	Q	5.3
85 to 167 .....	100.0	99.9	99.9	76.9	20.0	6.0	3.3	5.8	Q	5.3
Open Continuously .....	100.0	99.5	99.5	62.8	31.3	18.8	7.2	6.4	Q	6.7
<b>Ownership and Occupancy</b>										
Nongovernment Owned .....	100.0	97.8	97.8	64.7	17.9	5.5	2.0	5.1	0.9	4.6
Owner Occupied .....	100.0	99.4	99.4	68.2	19.9	6.6	2.3	5.4	1.0	3.8
Nonowner Occupied .....	100.0	99.1	99.1	60.8	13.0	2.9	Q	4.8	Q	7.9
Unoccupied .....	100.0	61.8	61.8	24.0	Q	Q	Q	Q	Q	99.6
Government Owned .....	100.0	98.9	98.8	72.4	25.1	16.2	6.6	4.6	Q	5.2
<b>Energy-Related Space Functions (more than one may apply)</b>										
Commercial Food Preparation .....	100.0	100.0	100.0	83.4	33.6	10.3	4.2	7.0	Q	3.8
Computer Room .....	100.0	100.0	100.0	74.8	40.5	15.0	5.9	6.5	Q	4.6
Rooms with Special Ventilation .....	100.0	99.9	99.9	78.7	37.2	20.2	6.2	6.7	Q	3.4
Activity with Large Amounts of Hot Water .....	100.0	100.0	100.0	83.4	35.6	11.9	6.1	8.2	Q	5.8

-- = Data not applicable.

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.



**Table A33. Energy End Uses, Number of Buildings and Floorspace, 1992**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Energy Used For:					All Buildings	Energy Used For:					
		Space Heating	Cooling	Water Heating	Cooking	Manufacturing		Space Heating	Cooling	Water Heating	Cooking	Manufacturing	
RSE Column Factor:	0.7	0.7	0.7	0.7	1.1	2.5	0.8	0.8	0.8	0.8	1.3	2.5	
<b>All Buildings</b> .....	4,806	4,178	3,502	3,502	734	121	67,876	61,996	57,041	58,479	23,065	3,174	5.1
<b>Building Floorspace (square feet)</b>													
1,001 to 5,000 .....	2,681	2,247	1,792	1,733	320	32	7,327	6,210	4,994	4,928	903	97	7.5
5,001 to 10,000 .....	975	883	758	787	137	32	7,199	6,533	5,601	5,834	998	245	6.3
10,001 to 25,000 .....	647	585	519	539	114	32	10,375	9,424	8,364	8,724	1,852	495	7.1
25,001 to 50,000 .....	280	255	236	240	70	11	10,069	9,132	8,435	8,637	2,627	382	9.4
50,001 to 100,000 .....	116	110	103	108	44	9	8,062	7,622	7,185	7,489	3,110	618	8.6
100,001 to 200,000 .....	71	64	59	62	29	3	9,678	8,730	8,072	8,492	4,062	442	10.7
200,001 to 500,000 .....	26	24	24	25	15	1	7,889	7,470	7,217	7,466	4,639	257	13.2
Over 500,000 .....	9	9	9	9	6	1	7,278	6,876	7,174	6,910	4,874	637	26.3
<b>Principal Building Activity</b>													
Education .....	301	295	251	230	98	Q	8,470	8,379	7,389	8,036	5,676	Q	9.6
Food Sales .....	130	120	119	124	40	Q	757	723	725	739	350	Q	19.1
Food Service .....	260	249	244	259	244	Q	1,491	1,435	1,449	1,490	1,450	Q	10.6
Health Care .....	63	61	59	62	6	Q	1,763	1,746	1,747	1,760	1,289	Q	16.9
Lodging .....	154	150	120	152	38	Q	2,891	2,870	2,493	2,869	1,600	Q	15.9
Mercantile and Service .....	1,272	1,214	942	923	89	43	12,402	11,835	10,874	10,809	3,806	532	9.3
Office .....	749	745	731	705	30	20	12,319	12,255	12,198	12,030	3,674	363	8.5
Parking Garage .....	24	17	12	13	Q	Q	1,652	1,165	922	933	Q	Q	40.7
Public Assembly .....	278	257	208	235	82	Q	4,556	4,470	4,077	4,346	2,669	Q	17.8
Public Order and Safety .....	60	60	47	58	Q	Q	820	820	741	804	Q	Q	27.5
Religious Worship .....	366	364	286	265	68	Q	3,747	3,737	3,121	3,384	1,231	Q	15.1
Warehouse and Storage .....	761	445	324	311	13	35	11,484	8,800	7,885	7,887	349	1,395	11.9
Other .....	69	48	44	43	Q	8	1,130	1,025	1,040	1,001	Q	298	18.8
Vacant .....	319	154	114	121	18	Q	4,396	2,738	2,382	2,391	507	Q	18.2
<b>Year Constructed</b>													
1899 or Before .....	169	158	119	126	41	Q	1,721	1,637	1,307	1,457	495	Q	16.6
1900 to 1919 .....	255	232	169	202	42	Q	3,608	3,329	2,759	3,126	1,334	Q	17.1
1920 to 1945 .....	724	623	491	507	101	21	8,712	7,717	6,586	7,004	2,225	542	10.6
1946 to 1959 .....	880	760	643	638	134	20	10,421	9,371	8,260	8,784	2,849	748	8.9
1960 to 1969 .....	783	687	563	580	120	11	12,612	11,548	10,601	11,006	4,920	394	9.5
1970 to 1979 .....	982	850	741	721	154	31	14,014	12,814	12,286	12,369	5,071	652	8.2
1980 to 1989 .....	884	761	682	649	122	21	14,287	13,276	12,985	12,565	5,313	579	10.4
1990 to 1992 .....	128	107	93	79	21	Q	2,502	2,303	2,258	2,167	859	Q	16.7
<b>Census Region</b>													
Northeast .....	771	694	521	625	142	26	13,400	12,858	11,158	12,410	5,740	756	9.6
Midwest .....	1,202	1,047	784	906	201	38	17,280	16,303	14,383	15,460	5,800	895	9.4
South .....	1,963	1,687	1,569	1,307	257	37	24,577	21,659	21,205	19,592	7,768	1,039	8.8
West .....	870	750	627	664	134	19	12,619	11,176	10,296	11,017	3,757	484	10.4
<b>Energy Sources (more than one may apply)</b>													
Electricity .....	4,616	4,173	3,502	3,502	734	118	66,549	61,971	57,041	58,479	23,065	3,167	5.1
Natural Gas .....	2,665	2,627	2,263	2,333	532	83	45,097	44,624	41,423	43,151	18,487	2,546	5.9
Fuel Oil .....	559	554	378	435	101	20	13,218	12,933	12,081	12,605	7,452	739	10.0
District Heat .....	95	95	82	82	19	6	5,339	5,324	4,786	5,177	2,280	486	14.4
District Chilled Water .....	28	28	28	22	8	Q	2,066	2,063	2,066	1,978	920	Q	22.3
Propane .....	337	330	230	244	84	15	3,393	3,340	2,837	2,961	1,549	299	15.4
Other .....	163	161	71	96	13	Q	1,551	1,522	1,117	1,287	399	Q	22.5

See footnotes at end of table.

**Table A33. Energy End Uses, Number of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Energy Used For:					All Buildings	Energy Used For:					
		Space Heating	Cooling	Water Heating	Cooking	Manufacturing		Space Heating	Cooling	Water Heating	Cooking	Manufacturing	
RSE Column Factor:	0.7	0.7	0.7	0.7	1.1	2.5	0.8	0.8	0.8	0.8	1.3	2.5	
<b>Energy End Uses (more than one may apply)</b>													
Heated Buildings .....	4,178	4,178	3,439	3,436	715	117	61,996	61,996	56,073	57,708	22,736	3,121	5.1
Air-Conditioned Buildings .....	3,502	3,439	3,502	3,016	663	92	57,041	56,073	57,041	53,839	22,003	2,870	5.4
Buildings with Water Heating .....	3,502	3,436	3,016	3,502	728	102	58,479	57,708	53,839	58,479	22,993	2,976	5.3
Buildings with Cooking .....	734	715	663	728	734	13	23,065	22,736	22,003	22,993	23,065	528	7.8
Buildings with Manufacturing .....	121	117	92	102	13	121	3,174	3,121	2,870	2,976	528	3,174	15.1
<b>Climate Zone: 45-Year Average</b>													
Fewer than 2,000 CDD and --													
More than 7,000 HDD .....	399	344	229	298	65	19	5,623	5,218	4,267	4,956	1,754	315	17.4
5,500 to 7,000 HDD .....	1,134	1,018	766	892	198	36	18,024	17,196	14,977	16,377	6,781	1,254	11.4
4,000 to 5,499 HDD .....	1,077	959	753	815	181	23	16,162	14,966	13,549	14,359	5,847	490	15.1
More than 2,000 CDD and --													
Fewer than 4,000 HDD .....	1,101	955	838	770	158	20	15,251	13,537	12,870	12,791	4,695	468	16.4
Fewer than 4,000 HDD .....	1,095	903	915	726	133	23	12,816	11,079	11,379	9,996	3,989	647	14.5
<b>Workers (main shift)</b>													
Less than 5 .....	2,718	2,154	1,623	1,609	260	42	17,944	13,604	10,719	11,207	2,678	334	10.5
5 to 9 .....	895	861	781	777	155	20	7,524	7,075	6,249	6,432	1,326	256	7.7
10 to 19 .....	561	540	502	512	126	23	8,077	7,528	6,954	7,089	1,719	384	9.1
20 to 49 .....	405	401	384	384	105	27	10,556	10,440	9,990	10,215	3,419	916	8.3
50 to 99 .....	130	128	118	126	43	6	7,763	7,652	7,313	7,644	3,424	395	10.6
100 to 249 .....	64	64	63	62	26	3	7,378	7,323	7,195	7,278	3,998	561	12.4
250 or More .....	31	30	31	31	18	1	8,633	8,374	8,621	8,613	6,502	328	11.6
<b>Weekly Operating Hours</b>													
39 or Fewer .....	1,039	725	513	507	116	Q	8,246	6,000	4,632	5,005	1,828	Q	11.1
40 to 48 .....	1,278	1,186	1,007	979	89	46	14,998	13,745	12,558	12,613	3,010	891	7.6
49 to 60 .....	1,004	920	786	764	83	34	14,046	13,251	12,218	12,405	3,118	920	7.5
61 to 84 .....	645	603	528	518	149	19	12,062	11,529	11,158	11,308	5,195	418	8.4
85 to 167 .....	478	436	405	435	218	7	8,467	8,141	7,742	8,020	4,750	403	10.6
Open Continuously .....	362	307	262	300	78	6	10,057	9,329	8,733	9,128	5,163	410	13.4
<b>Energy-Related Space Functions (more than one may apply)</b>													
<b>Commercial Food</b>													
Preparation .....	735	714	661	729	732	13	22,166	21,833	21,096	22,095	22,159	525	7.2
Computer Room .....	223	222	223	211	53	16	14,199	14,170	14,199	13,947	7,328	810	10.1
<b>Rooms with Special</b>													
Ventilation .....	236	229	215	219	70	19	8,042	7,995	7,744	7,890	4,178	864	9.9
<b>Activities with Large</b>													
Amounts of Hot Water .....	203	194	164	202	80	8	6,862	6,829	6,546	6,857	4,813	421	10.8

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A34. End-Use Combinations, Number of Buildings, 1992**

(Thousand)

Building Characteristics	All Buildings	Heated Buildings with Air Conditioning and--			Heated Buildings Without Air Conditioning and--			Buildings Without Heating, Cooling, Water Heating, or Cooking	All Other Combinations	RSE Row Factor
		with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking	with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking			
RSE Column Factor:	0.4	0.7	0.5	1.0	2.1	1.1	1.1	1.1	2.1	
<b>All Buildings</b> .....	4,806	651	2,339	445	60	387	292	524	108	8.4
<b>Building Floorspace (square feet)</b>										
1,001 to 5,000 .....	2,681	275	1,140	337	25	244	223	362	75	10.7
5,001 to 10,000 .....	975	124	569	59	Q	77	43	82	Q	13.2
10,001 to 25,000 .....	647	101	370	35	10	49	18	47	Q	16.3
25,001 to 50,000 .....	280	60	161	12	9	8	Q	21	Q	19.2
50,001 to 100,000 .....	116	41	58	Q	Q	5	Q	4	Q	19.0
100,001 to 200,000 .....	71	27	30	Q	Q	Q	Q	Q	Q	18.9
200,001 to 500,000 .....	26	15	9	Q	Q	Q	Q	1	Q	25.1
Over 500,000 .....	9	6	2	Q	Q	Q	Q	Q	Q	55.2
<b>Principal Building Activity</b>										
Education .....	301	84	102	65	13	27	Q	Q	Q	17.7
Food Sales .....	130	36	70	Q	Q	Q	Q	Q	Q	31.8
Food Service .....	260	229	Q	Q	Q	Q	Q	Q	Q	14.6
Health Care .....	63	6	50	Q	Q	Q	Q	Q	Q	30.1
Lodging .....	154	32	86	Q	Q	24	Q	Q	Q	25.7
Mercantile and Service .....	1,272	84	677	167	Q	152	132	42	17	13.9
Office .....	749	28	661	37	Q	Q	Q	Q	Q	15.7
Parking Garage .....	24	Q	11	Q	Q	Q	Q	7	Q	51.2
Public Assembly .....	278	67	122	Q	Q	27	Q	Q	Q	19.0
Public Order and Safety .....	60	Q	43	Q	Q	Q	Q	Q	Q	39.0
Religious Worship .....	366	58	157	69	Q	41	Q	Q	Q	21.2
Warehouse and Storage .....	761	10	235	56	Q	58	85	287	29	17.8
Other .....	69	Q	35	Q	Q	Q	Q	Q	Q	35.7
Vacant .....	319	9	78	24	Q	18	16	157	Q	23.1
<b>Year Constructed</b>										
1899 or Before .....	169	37	67	Q	Q	18	Q	Q	Q	27.5
1900 to 1919 .....	255	35	108	27	Q	53	Q	22	Q	22.4
1920 to 1945 .....	724	76	332	76	19	73	44	91	Q	15.3
1946 to 1959 .....	880	116	421	92	13	70	46	97	24	14.5
1960 to 1969 .....	783	102	379	69	11	65	59	71	27	14.9
1970 to 1979 .....	982	148	494	77	Q	64	64	105	26	15.2
1980 to 1989 .....	884	116	483	71	Q	41	46	107	18	15.6
1990 to 1992 .....	128	21	54	18	Q	Q	Q	20	Q	29.1
<b>Census Region</b>										
Northeast .....	771	125	368	26	15	107	52	67	Q	16.4
Midwest .....	1,202	177	560	45	22	139	104	147	Q	14.9
South .....	1,963	244	989	289	Q	50	112	221	58	13.5
West .....	870	105	422	85	22	91	24	89	32	19.7
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	4,616	651	2,339	445	60	387	288	338	108	8.4
Natural Gas .....	2,665	477	1,549	215	41	241	101	Q	36	11.4
Fuel Oil .....	559	82	248	48	17	86	74	Q	Q	19.7
District Heat .....	95	16	53	12	Q	10	Q	Q	Q	23.8
District Chilled Water .....	28	8	15	Q	Q	Q	Q	Q	Q	41.1
Propane .....	337	71	118	39	Q	40	53	Q	Q	24.5
Other .....	163	7	55	Q	Q	Q	59	Q	Q	30.8

See footnotes at end of table.

**Table A34. End-Use Combinations, Number of Buildings, 1992 (Continued)**

(Thousand)

Building Characteristics	All Buildings	Heated Buildings with Air Conditioning and--			Heated Buildings Without Air Conditioning and--			Buildings Without Heating, Cooling, Water Heating, or Cooking	All Other Combinations	RSE Row Factor
		with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking	with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking			
RSE Column Factor:	0.4	0.7	0.5	1.0	2.1	1.1	1.1	1.1	2.1	
<b>Energy End Uses (more than one may apply)</b>										
Heated Buildings .....	4,178	651	2,339	445	60	387	292	Q	Q	8.3
Air-Conditioned Buildings .....	3,502	651	2,339	445	Q	Q	Q	Q	67	8.9
Buildings with Water Heating .....	3,502	651	2,339	Q	60	387	Q	Q	66	8.5
Buildings with Cooking .....	734	651	Q	Q	60	Q	Q	Q	24	10.4
Buildings with Manufacturing .....	121	11	73	Q	Q	Q	Q	Q	Q	34.6
<b>Climate Zone: 45-Year Average</b>										
Fewer than 2,000 CDD and --										
More than 7,000 HDD .....	399	54	162	Q	Q	70	34	53	Q	25.5
5,500 to 7,000 HDD .....	1,134	175	545	44	22	145	87	111	Q	18.2
4,000 to 5,499 HDD .....	1,077	165	517	67	Q	105	94	98	Q	26.5
Fewer than 4,000 HDD .....	1,101	132	552	143	Q	54	55	125	23	26.4
More than 2,000 CDD and --										
Fewer than 4,000 HDD .....	1,095	123	563	179	Q	Q	21	137	58	18.5
<b>Workers (main shift)</b>										
Less than 5 .....	2,718	224	1,042	316	21	278	270	494	73	10.5
5 to 9 .....	895	136	554	78	15	62	Q	19	Q	15.6
10 to 19 .....	561	112	352	31	Q	30	Q	Q	Q	15.3
20 to 49 .....	405	98	267	16	7	10	Q	Q	Q	17.3
50 to 99 .....	130	38	76	Q	Q	Q	Q	Q	Q	17.7
100 to 249 .....	64	25	36	Q	Q	Q	Q	Q	Q	17.9
250 or More .....	31	18	12	Q	Q	Q	Q	Q	Q	18.8
<b>Weekly Operating Hours</b>										
39 or Fewer .....	1,039	90	283	123	20	103	103	290	26	13.9
40 to 48 .....	1,278	74	781	141	11	101	79	75	16	14.4
49 to 60 .....	1,004	75	587	104	Q	81	65	57	27	14.2
61 to 84 .....	645	142	324	58	Q	39	32	35	Q	15.6
85 to 167 .....	478	201	180	Q	Q	29	Q	22	20	17.0
Open Continuously .....	362	68	183	Q	Q	32	Q	44	Q	19.6

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A35. End-Use Combinations, Floorspace, 1992**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Heated Buildings with Air Conditioning and--			Heated Buildings Without Air Conditioning and--			Buildings Without Heating, Cooling, or Water Heating, or Cooking	All Other Combinations	RSE Row Factor
		with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking	with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking			
RSE Column Factor:	0.4	0.7	0.5	1.1	1.6	1.2	1.2	1.2	2.1	
<b>All Buildings</b> .....	67,876	21,648	31,692	2,679	1,019	3,349	1,540	4,638	1,312	9.9
<b>Building Floorspace (square feet)</b>										
1,001 to 5,000 .....	7,327	757	3,253	862	89	702	540	918	206	11.0
5,001 to 10,000 .....	7,199	901	4,221	425	94	565	327	585	81	14.0
10,001 to 25,000 .....	10,375	1,667	5,980	518	142	810	293	711	255	16.7
25,001 to 50,000 .....	10,069	2,254	5,675	389	350	273	168	773	187	21.2
50,001 to 100,000 .....	8,062	2,953	3,985	110	Q	350	81	323	137	22.9
100,001 to 200,000 .....	9,678	3,902	4,024	136	Q	405	Q	937	Q	26.8
200,001 to 500,000 .....	7,889	4,574	2,565	54	Q	Q	Q	347	Q	27.0
Over 500,000 .....	7,278	4,641	1,989	Q	1	Q	Q	44	Q	16.8
<b>Principal Building Activity</b>										
Education .....	8,470	5,124	1,893	357	537	392	Q	Q	Q	18.8
Food Sales .....	757	335	351	Q	Q	28	Q	Q	34	31.2
Food Service .....	1,491	1,380	35	Q	Q	Q	Q	Q	Q	29.7
Health Care .....	1,763	1,281	446	Q	Q	Q	Q	Q	Q	29.1
Lodging .....	2,891	1,475	982	Q	Q	267	Q	Q	Q	26.7
Mercantile and Service .....	12,402	3,562	6,199	766	Q	763	531	221	Q	17.6
Office .....	12,319	3,622	8,284	195	Q	99	Q	Q	Q	17.9
Parking Garage .....	1,652	Q	636	Q	Q	Q	Q	459	Q	52.8
Public Assembly .....	4,556	2,535	1,423	99	122	250	35	56	36	31.0
Public Order and Safety .....	820	279	462	Q	Q	56	Q	Q	Q	47.4
Religious Worship .....	3,747	1,069	1,775	272	143	393	66	Q	Q	26.0
Warehouse and Storage .....	11,484	341	6,781	528	Q	624	520	2,370	Q	19.7
Other .....	1,130	114	850	33	Q	Q	Q	57	Q	35.4
Vacant .....	4,396	Q	1,574	199	42	250	208	1,468	Q	25.6
<b>Year Constructed</b>										
1899 or Before .....	1,721	473	754	79	Q	208	101	Q	Q	30.7
1900 to 1919 .....	3,608	1,249	1,368	133	85	424	71	269	Q	28.8
1920 to 1945 .....	8,712	1,898	4,179	480	311	566	278	923	77	21.9
1946 to 1959 .....	10,421	2,511	5,218	420	310	653	245	902	162	18.5
1960 to 1969 .....	12,612	4,618	5,306	513	233	604	253	778	307	20.6
1970 to 1979 .....	14,014	4,806	6,668	407	Q	572	331	788	Q	16.5
1980 to 1989 .....	14,287	5,256	6,944	519	Q	292	215	740	Q	19.5
1990 to 1992 .....	2,502	837	1,255	127	Q	Q	47	154	Q	27.3
<b>Census Region</b>										
Northeast .....	13,400	5,395	5,515	239	339	1,118	252	493	49	20.3
Midwest .....	17,280	5,530	8,569	274	262	1,032	634	909	Q	15.6
South .....	24,577	7,658	11,337	1,731	Q	395	487	2,442	510	16.0
West .....	12,619	3,064	6,271	435	401	804	167	794	682	19.3
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	66,549	21,648	31,692	2,679	1,019	3,349	1,515	3,336	1,312	10.2
Natural Gas .....	45,097	17,427	22,412	1,207	754	2,161	625	Q	Q	11.2
Fuel Oil .....	13,218	7,009	4,534	283	205	615	287	Q	Q	18.3
District Heat .....	5,339	2,055	2,600	110	204	303	Q	Q	Q	26.7
District Chilled Water .....	2,066	911	1,064	82	Q	Q	Q	Q	Q	37.5
Propane .....	3,393	1,353	1,216	226	153	190	197	Q	Q	26.0
Other .....	1,551	344	746	Q	Q	142	219	Q	Q	35.7

See footnotes at end of table.

**Table A35. End-Use Combinations, Floorspace, 1992 (Continued)**

(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Heated Buildings with Air Conditioning and--			Heated Buildings Without Air Conditioning and--			Buildings Without Heating, Cooling, Water Heating, or Cooking	All Other Combinations	RSE Row Factor
		with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking	with Water Heating and Cooking	with Water Heating but Not Cooking	Without Water Heating or Cooking			
RSE Column Factor:	0.4	0.7	0.5	1.1	1.6	1.2	1.2	1.2	2.1	
<b>Energy End Uses (more than one may apply)</b>										
Heated Buildings .....	61,996	21,648	31,692	2,679	1,019	3,349	1,540	Q	69	10.5
Air-Conditioned Buildings .....	57,041	21,648	31,692	2,679	Q	Q	Q	Q	1,023	10.2
Buildings with Water Heating .....	58,479	21,648	31,692	Q	1,019	3,349	Q	Q	771	10.8
Buildings with Cooking .....	23,065	21,648	Q	Q	1,019	Q	Q	Q	Q	12.7
Buildings with Manufacturing .....	3,174	487	2,287	62	Q	146	106	Q	Q	31.0
<b>Climate Zone: 45-Year Average</b>										
Fewer than 2,000 CDD and --										
More than 7,000 HDD .....	5,623	1,640	2,471	Q	111	686	153	358	Q	26.5
5,500 to 7,000 HDD .....	18,024	6,292	8,383	293	489	1,191	548	804	24	18.4
4,000 to 5,499 HDD .....	16,162	5,666	7,577	274	164	851	435	1,082	113	21.8
Fewer than 4,000 HDD .....	15,251	4,182	7,543	714	254	517	294	1,263	Q	25.2
More than 2,000 CDD and --										
Fewer than 4,000 HDD .....	12,816	3,867	5,718	1,244	Q	105	111	1,130	642	24.1
<b>Workers (main shift)</b>										
Less than 5 .....	17,944	2,498	6,625	1,266	135	1,702	1,373	3,833	514	15.9
5 to 9 .....	7,524	1,116	4,408	618	181	661	91	Q	120	18.9
10 to 19 .....	8,077	1,531	4,870	441	160	467	Q	Q	145	19.5
20 to 49 .....	10,556	3,145	6,485	264	251	267	Q	Q	111	19.5
50 to 99 .....	7,763	3,215	3,980	39	192	200	Q	Q	Q	27.1
100 to 249 .....	7,378	3,872	3,233	Q	Q	Q	Q	Q	Q	25.2
250 or More .....	8,633	6,270	2,091	Q	Q	Q	Q	Q	Q	22.3
<b>Weekly Operating Hours</b>										
39 or Fewer .....	8,246	1,603	2,283	521	207	820	556	1,970	286	17.0
40 to 48 .....	14,998	2,831	8,696	865	155	816	383	1,056	Q	16.5
49 to 60 .....	14,046	2,810	8,570	645	274	636	283	Q	282	16.6
61 to 84 .....	12,062	4,939	5,664	284	21	423	188	264	Q	20.5
85 to 167 .....	8,467	4,478	3,069	114	221	187	56	217	125	23.9
Open Continuously .....	10,057	4,986	3,410	Q	142	467	75	585	143	27.9

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A36. Space-Heating Energy Sources, Number of Buildings, 1992**  
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Space-Heating Energy Source 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	0.7	1.3	1.6	1.8	2.1	
<b>All Buildings</b> .....	4,806	4,178	1,513	2,405	479	94	255	102	7.5
<b>Building Floorspace (square feet)</b>									
1,001 to 5,000 .....	2,681	2,247	779	1,211	259	18	185	68	10.4
5,001 to 10,000 .....	975	883	327	524	117	11	39	25	11.2
10,001 to 25,000 .....	647	585	225	376	49	28	19	Q	11.3
25,001 to 50,000 .....	280	255	101	157	31	15	Q	Q	13.3
50,001 to 100,000 .....	116	110	40	73	12	9	Q	Q	13.0
100,001 to 200,000 .....	71	64	24	45	5	6	Q	Q	14.8
200,001 to 500,000 .....	26	24	10	15	5	5	Q	Q	18.2
Over 500,000 .....	9	9	6	4	1	1	Q	Q	35.6
<b>Principal Building Activity</b>									
Education .....	301	295	104	182	25	20	Q	Q	15.2
Food Sales .....	130	120	54	61	Q	Q	Q	Q	26.1
Food Service .....	260	249	73	162	Q	Q	Q	Q	16.1
Health Care .....	63	61	23	38	5	2	Q	Q	28.4
Lodging .....	154	150	87	58	12	9	Q	Q	21.3
Mercantile and Service .....	1,272	1,214	370	719	183	9	95	48	11.2
Office .....	749	745	311	439	69	24	Q	Q	11.8
Parking Garage .....	24	17	6	Q	Q	Q	Q	Q	52.1
Public Assembly .....	278	257	89	156	25	10	Q	Q	15.4
Public Order and Safety .....	60	60	19	36	Q	Q	Q	Q	35.1
Religious Worship .....	366	364	122	193	59	Q	48	Q	18.0
Warehouse and Storage .....	761	445	173	242	47	Q	38	Q	14.2
Other .....	69	48	24	21	Q	4	Q	Q	29.5
Vacant .....	319	154	58	87	Q	2	Q	Q	18.0
<b>Year Constructed</b>									
1899 or Before .....	169	158	45	105	29	4	Q	Q	24.5
1900 to 1919 .....	255	232	44	162	51	10	Q	Q	19.0
1920 to 1945 .....	724	623	155	405	94	12	30	37	13.6
1946 to 1959 .....	880	760	234	469	97	22	54	Q	12.2
1960 to 1969 .....	783	687	236	419	75	22	34	Q	12.3
1970 to 1979 .....	982	850	375	460	81	9	46	Q	12.0
1980 to 1989 .....	884	761	376	342	49	11	61	Q	12.1
1990 to 1992 .....	128	107	48	44	Q	Q	Q	Q	30.2
<b>Census Region</b>									
Northeast .....	771	694	162	341	264	23	45	Q	14.2
Midwest .....	1,202	1,047	194	810	63	23	68	35	15.0
South .....	1,963	1,687	825	786	148	27	121	38	12.2
West .....	870	750	332	469	Q	20	Q	Q	17.1
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	4,616	4,173	1,513	2,405	479	93	253	98	7.5
Natural Gas .....	2,665	2,627	556	2,405	91	34	Q	21	9.6
Fuel Oil .....	559	554	134	98	479	11	25	Q	15.4
District Heat .....	95	95	17	6	3	94	Q	Q	22.3
District Chilled Water .....	28	28	5	3	Q	24	Q	Q	31.5
Propane .....	337	330	95	19	50	Q	255	Q	21.3
Any Other .....	163	161	48	37	26	Q	Q	102	20.5
<b>Energy End Uses (more than one may apply)</b>									
Heated Buildings .....	4,178	4,178	1,513	2,405	479	94	255	102	7.5
Air-Conditioned Buildings .....	3,502	3,439	1,364	2,043	312	80	169	28	8.0
Buildings with Water Heating .....	3,502	3,436	1,269	2,088	364	80	164	48	7.9
Buildings with Cooking .....	734	715	272	444	83	18	32	Q	11.2
Buildings with Manufacturing .....	121	117	46	77	12	5	Q	Q	25.4

See footnotes at end of table.

**Table A36. Space-Heating Energy Sources, Number of Buildings, 1992 (Continued)**  
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Space-Heating Energy Source 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	0.7	1.3	1.6	1.8	2.1	
<b>Climate Zone: 45-Year Average</b>									
Fewer than 2,000 CDD and --									
More than 7,000 HDD .....	399	344	68	216	74	10	23	Q	24.7
5,500-7,000 HDD .....	1,134	1,018	221	725	160	28	50	Q	18.3
4,000-5,499 HDD .....	1,077	959	341	440	187	27	81	39	23.2
Fewer than 4,000 HDD .....	1,101	955	394	559	Q	13	78	Q	23.7
More than 2,000 CDD and --									
Fewer than 4,000 HDD .....	1,095	903	490	465	17	15	23	Q	21.6
<b>Predominant Exterior Wall Materials</b>									
Masonry .....	3,115	2,850	998	1,755	319	75	103	39	8.4
Siding or Shingles .....	764	635	235	292	103	Q	80	Q	14.2
Metal Panels .....	745	533	207	274	43	6	68	Q	15.3
Concrete Panels .....	87	76	41	38	Q	7	Q	Q	22.1
Window Glass .....	46	41	19	22	Q	1	Q	Q	33.6
Other .....	47	42	13	24	Q	Q	Q	Q	44.2
<b>Predominant Roof Materials</b>									
Built-Up .....	1,642	1,489	566	931	139	39	27	Q	9.2
Shingles (Not Wood) .....	1,381	1,246	429	697	173	10	107	34	11.4
Metal Surfacing .....	1,037	763	292	376	77	10	101	39	13.6
Synthetic or Rubber .....	386	368	111	243	51	14	Q	Q	13.8
Slate or Tile .....	155	140	49	69	22	13	Q	Q	21.3
Concrete .....	37	22	10	12	Q	Q	Q	Q	42.0
Other .....	167	150	55	78	Q	Q	Q	Q	25.6
<b>Percent Window Glass</b>									
25 or Less .....	4,193	3,597	1,304	2,044	409	75	239	97	8.0
26 to 50 .....	490	464	157	298	54	15	Q	Q	11.4
51 to 75 .....	94	89	40	53	12	3	Q	Q	24.9
76 to 100 .....	29	27	13	10	Q	1	Q	Q	35.1
<b>Workers (main shift)</b>									
Less than 5 .....	2,718	2,154	728	1,159	273	22	180	83	10.3
5 to 9 .....	895	861	318	511	88	14	48	Q	11.0
10 to 19 .....	561	540	212	335	56	21	16	Q	12.7
20 to 49 .....	405	401	161	264	34	16	Q	Q	11.7
50 to 99 .....	130	128	53	76	15	10	Q	Q	14.8
100 to 249 .....	64	64	27	43	7	4	Q	Q	15.0
250 or More .....	31	30	15	16	5	7	Q	Q	16.8
<b>Weekly Operating Hours</b>									
39 or Fewer .....	1,039	725	214	376	112	10	87	Q	14.6
40 to 48 .....	1,278	1,186	447	706	123	34	45	32	10.7
49 to 60 .....	1,004	920	318	551	116	16	58	Q	11.0
61 to 84 .....	645	603	201	369	69	9	30	Q	10.1
85 to 167 .....	478	436	172	255	34	7	Q	Q	15.5
Open Continuously .....	362	307	161	148	24	19	Q	Q	14.6
<b>Primary Space-Heating Energy Source</b>									
Electricity .....	1,107	1,107	1,107	100	23	Q	Q	Q	14.2
Natural Gas .....	2,276	2,276	271	2,276	48	2	Q	Q	12.4
Fuel Oil .....	394	394	66	18	394	Q	Q	Q	21.0
District Heat .....	91	91	16	3	Q	91	Q	Q	22.8
Propane .....	217	217	31	Q	Q	Q	217	Q	25.8
Wood .....	68	68	Q	Q	Q	Q	Q	68	27.2
Any Other .....	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.



**Table A36. Space-Heating Energy Sources, Number of Buildings, 1992 (Continued)**  
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Space-Heating Energy Source 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	0.7	1.3	1.6	1.8	2.1	
<b>Cooling Energy Sources (more than one may apply)</b>									
Electricity .....	3,404	3,342	1,354	1,966	311	65	168	28	8.2
Natural Gas .....	106	106	20	104	Q	Q	Q	Q	19.3
District Chilled Water .....	28	28	5	3	Q	24	Q	Q	31.5
<b>Water-Heating Energy Sources (more than one may apply)</b>									
Electricity .....	1,696	1,660	902	689	197	29	106	31	9.1
Natural Gas .....	1,647	1,621	363	1,442	51	18	Q	Q	11.9
Fuel Oil .....	126	124	14	11	118	Q	Q	Q	30.2
District Heat .....	38	38	3	4	Q	37	Q	Q	27.0
Propane .....	80	76	20	Q	Q	Q	55	Q	32.9
<b>Cooking Energy Sources (more than one may apply)</b>									
Electricity .....	356	344	174	168	50	10	16	Q	14.9
Natural Gas .....	431	425	112	356	25	11	Q	Q	14.5
Propane .....	70	66	32	Q	28	Q	Q	Q	28.0
<b>Percent of Floorspace Heated</b>									
Not Heated .....	653	25	Q	Q	Q	Q	Q	Q	26.8
1 to 50 .....	688	688	283	353	73	4	51	36	13.3
51 to 99 .....	618	618	224	392	70	9	34	Q	12.6
100 .....	2,846	2,846	999	1,654	330	80	163	49	8.4
<b>Heating Equipment (more than one may apply)</b>									
Heat Pumps .....	449	449	444	98	17	8	18	Q	17.5
Furnaces .....	1,692	1,692	403	1,218	251	Q	108	Q	9.2
Individual Space Heaters .....	1,464	1,464	668	819	151	14	162	81	10.6
District Heat .....	93	93	16	5	3	93	Q	Q	22.3
Boilers .....	624	624	116	419	199	Q	16	Q	10.8
Packaged Heating Units .....	870	870	407	535	13	2	Q	Q	16.9
Other .....	42	42	19	22	Q	Q	Q	Q	43.3
<b>Heating Distribution Equipment (more than one may apply)</b>									
Radiators or Baseboards .....	473	473	73	273	158	47	Q	Q	11.6
Ducts for Heating .....	2,955	2,955	1,139	1,806	297	50	138	23	8.1
Heating Only .....	577	577	95	360	173	5	41	Q	14.2
Heating and Cooling .....	2,378	2,378	1,044	1,446	125	45	98	Q	8.0
Variable Air-Volume System .....	210	210	78	144	17	13	Q	Q	14.6
Fan Coil Units for Heating .....	99	99	30	61	21	16	Q	Q	18.1
Heating Only .....	78	78	27	48	16	11	Q	Q	21.4
Heating and Cooling .....	21	21	2	13	5	5	Q	Q	31.3
Individual Space Heaters .....	1,464	1,464	668	819	151	14	162	81	10.6
Other .....	181	181	53	100	30	Q	Q	Q	19.4

NF = No applicable RSE row factor.

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A37. Space-Heating Energy Sources, Floorspace, 1992**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Space-Heating Energy Source Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.6	0.9	0.7	1.2	1.4	1.8	1.8	
<b>All Buildings</b> .....	67,876	61,996	25,636	38,524	7,334	5,242	1,568	504	7.6
<b>Building Floorspace (square feet)</b>									
1,001 to 5,000 .....	7,327	6,210	2,162	3,414	748	56	479	173	10.6
5,001 to 10,000 .....	7,199	6,533	2,427	3,893	872	73	287	182	11.1
10,001 to 25,000 .....	10,375	9,424	3,648	6,130	770	443	270	Q	11.1
25,001 to 50,000 .....	10,069	9,132	3,599	5,648	1,100	516	Q	Q	13.3
50,001 to 100,000 .....	8,062	7,622	2,825	5,033	904	638	Q	Q	12.7
100,001 to 200,000 .....	9,678	8,730	3,260	6,212	760	780	Q	Q	14.3
200,001 to 500,000 .....	7,889	7,470	3,198	4,544	1,414	1,521	Q	Q	18.3
Over 500,000 .....	7,278	6,876	4,517	3,650	765	1,215	Q	Q	29.3
<b>Principal Building Activity</b>									
Education .....	8,470	8,379	2,159	5,957	1,548	641	Q	Q	13.7
Food Sales .....	757	723	285	448	Q	Q	Q	Q	28.7
Food Service .....	1,491	1,435	407	855	Q	Q	Q	Q	18.9
Health Care .....	1,763	1,746	667	1,236	584	403	Q	Q	19.0
Lodging .....	2,891	2,870	1,516	1,298	272	580	Q	Q	23.6
Mercantile and Service .....	12,402	11,835	5,122	8,301	1,128	148	530	196	15.0
Office .....	12,319	12,255	5,445	6,528	1,345	1,706	Q	Q	12.0
Parking Garage .....	1,652	1,165	730	Q	Q	Q	Q	Q	50.4
Public Assembly .....	4,556	4,470	2,267	2,271	519	348	Q	Q	31.1
Public Order and Safety .....	820	820	184	480	Q	Q	Q	Q	36.8
Religious Worship .....	3,747	3,737	1,361	2,672	527	Q	154	Q	19.6
Warehouse and Storage .....	11,484	8,800	4,304	5,920	683	Q	297	Q	16.8
Other .....	1,130	1,025	267	633	Q	326	Q	Q	26.7
Vacant .....	4,396	2,738	924	1,594	Q	410	Q	Q	26.8
<b>Year Constructed</b>									
1899 or Before .....	1,721	1,637	419	1,161	283	91	Q	Q	24.0
1900 to 1919 .....	3,608	3,329	846	2,345	744	269	Q	Q	25.7
1920 to 1945 .....	8,712	7,717	2,197	4,964	1,322	1,128	151	199	18.0
1946 to 1959 .....	10,421	9,371	3,116	6,509	1,201	545	219	Q	13.3
1960 to 1969 .....	12,612	11,548	3,880	7,875	1,505	1,363	273	Q	16.2
1970 to 1979 .....	14,014	12,814	6,191	7,673	1,495	972	351	Q	12.0
1980 to 1989 .....	14,287	13,276	7,958	6,671	660	673	451	Q	15.8
1990 to 1992 .....	2,502	2,303	1,030	1,325	124	202	Q	Q	21.2
<b>Census Region</b>									
Northeast .....	13,400	12,858	4,505	6,871	4,228	1,556	329	Q	14.5
Midwest .....	17,280	16,303	4,673	12,305	1,226	1,869	355	140	13.7
South .....	24,577	21,659	11,185	11,604	1,628	941	791	168	12.5
West .....	12,619	11,176	5,273	7,744	Q	875	Q	Q	12.5
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	66,549	61,971	25,636	38,524	7,334	5,228	1,561	494	7.6
Natural Gas .....	45,097	44,624	13,927	38,524	3,883	2,724	Q	167	8.9
Fuel Oil .....	13,218	12,933	4,872	5,966	7,334	1,241	237	Q	11.6
District Heat .....	5,339	5,324	985	627	447	5,242	Q	Q	19.4
District Chilled Water .....	2,066	2,063	476	338	Q	1,702	Q	Q	27.5
Propane .....	3,393	3,340	1,550	742	935	Q	1,568	Q	18.6
Any Other .....	1,551	1,522	753	649	178	Q	Q	504	27.8
<b>Energy End Uses (more than one may apply)</b>									
Heated Buildings .....	61,996	61,996	25,636	38,524	7,334	5,242	1,568	504	7.7
Air-Conditioned Buildings .....	57,041	56,073	24,123	35,315	6,307	4,711	1,201	196	8.4
Buildings with Water Heating .....	58,479	57,708	23,996	36,677	6,796	5,081	1,146	308	8.0
Buildings with Cooking .....	23,065	22,736	10,147	14,625	3,484	2,198	316	Q	12.0
Buildings with Manufacturing .....	3,174	3,121	1,178	2,214	505	415	Q	Q	25.5

See footnotes at end of table.

**Table A37. Space-Heating Energy Sources, Floorspace, 1992 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Space-Heating Energy Source Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.6	0.9	0.7	1.2	1.4	1.8	1.8	
<b>Climate Zone: 45-Year Average</b>									
Fewer than 2,000 CDD and --									
More than 7,000 HDD .....	5,623	5,218	1,268	3,360	1,284	513	277	Q	23.1
5,500-7,000 HDD .....	18,024	17,196	5,460	12,269	2,322	1,903	273	Q	14.9
4,000-5,499 HDD .....	16,162	14,966	6,098	8,539	2,827	1,706	428	139	15.8
Fewer than 4,000 HDD .....	15,251	13,537	5,940	9,380	738	560	378	Q	24.1
More than 2,000 CDD and --									
Fewer than 4,000 HDD .....	12,816	11,079	6,871	4,975	164	560	212	Q	21.7
<b>Predominant Exterior Wall Materials</b>									
Masonry .....	48,585	45,520	18,048	29,089	5,837	3,687	674	274	8.9
Siding or Shingles .....	3,873	3,303	1,366	1,775	534	Q	332	Q	14.7
Metal Panels .....	7,392	5,682	2,703	3,238	481	331	516	Q	18.2
Concrete Panels .....	4,961	4,663	2,212	2,969	Q	699	Q	Q	24.8
Window Glass .....	2,028	1,839	979	825	Q	Q	Q	Q	26.2
Other .....	1,037	988	328	628	Q	Q	Q	Q	40.3
<b>Predominant Roof Materials</b>									
Built-Up .....	30,257	28,271	12,420	17,907	2,834	2,346	236	Q	10.9
Shingles (Not Wood) .....	10,570	9,764	3,227	5,906	1,422	459	393	202	13.9
Metal Surfacing .....	9,019	7,121	3,116	4,108	509	306	708	148	14.9
Synthetic or Rubber .....	11,702	11,541	4,365	7,778	1,924	1,470	Q	Q	13.9
Slate or Tile .....	1,998	1,863	546	1,027	300	400	Q	Q	24.7
Concrete .....	2,544	1,741	1,157	808	Q	Q	Q	Q	46.2
Other .....	1,786	1,695	805	989	Q	Q	Q	Q	25.6
<b>Percent Window Glass</b>									
25 or Less .....	51,356	45,868	18,426	28,689	5,262	3,058	1,436	474	8.7
26 to 50 .....	11,815	11,493	5,047	7,455	1,621	1,352	Q	Q	12.7
51 to 75 .....	3,206	3,185	1,580	1,867	269	473	Q	Q	19.4
76 to 100 .....	1,499	1,450	583	513	Q	Q	Q	Q	30.1
<b>Workers (main shift)</b>									
Less than 5 .....	17,944	13,604	5,498	7,098	1,549	410	697	328	15.9
5 to 9 .....	7,524	7,075	2,930	4,117	706	314	365	Q	13.3
10 to 19 .....	8,077	7,528	2,907	4,826	696	487	178	Q	13.8
20 to 49 .....	10,556	10,440	3,833	7,502	741	503	Q	Q	11.8
50 to 99 .....	7,763	7,652	3,017	5,274	826	785	Q	Q	16.5
100 to 249 .....	7,378	7,323	3,188	5,101	1,106	674	Q	Q	18.9
250 or More .....	8,633	8,374	4,263	4,607	1,710	2,070	Q	Q	16.8
<b>Weekly Operating Hours</b>									
39 or Fewer .....	8,246	6,000	1,641	3,482	1,069	347	341	Q	16.3
40 to 48 .....	14,998	13,745	5,464	8,680	1,492	792	217	133	11.4
49 to 60 .....	14,046	13,251	5,180	8,626	1,310	1,051	460	Q	11.4
61 to 84 .....	12,062	11,529	5,114	7,746	893	695	259	Q	14.6
85 to 167 .....	8,467	8,141	3,476	5,509	1,162	504	Q	Q	18.7
Open Continuously .....	10,057	9,329	4,761	4,481	1,409	1,853	Q	Q	19.7
<b>Primary Space-Heating Energy Source</b>									
Electricity .....	15,502	15,502	15,502	2,202	330	Q	Q	Q	18.0
Natural Gas .....	35,161	35,161	7,660	35,161	2,225	Q	Q	Q	9.8
Fuel Oil .....	4,415	4,415	839	450	4,415	Q	Q	Q	20.7
District Heat .....	5,014	5,014	895	393	Q	5,014	Q	Q	20.2
Propane .....	1,101	1,101	279	Q	Q	Q	1,101	Q	25.2
Wood .....	257	257	Q	Q	Q	Q	Q	257	22.5
Any Other .....	546	546	Q	Q	Q	Q	Q	Q	82.1

See footnotes at end of table.

**Table A37. Space-Heating Energy Sources, Floorspace, 1992 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Space-Heating Energy Source Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.6	0.9	0.7	1.2	1.4	1.8	1.8	
<b>Cooling Energy Sources (more than one may apply)</b>									
Electricity .....	54,628	53,663	23,798	34,303	5,981	3,409	1,171	196	8.4
Natural Gas .....	1,906	1,906	430	1,816	Q	Q	Q	Q	25.2
District Chilled Water .....	2,066	2,063	476	338	Q	1,702	Q	Q	27.5
<b>Water-Heating Energy Sources (more than one may apply)</b>									
Electricity .....	25,482	24,878	15,574	11,961	2,363	1,070	739	159	11.7
Natural Gas .....	29,962	29,802	8,643	26,322	2,581	1,109	Q	Q	10.6
Fuel Oil .....	2,470	2,464	471	462	2,402	Q	Q	Q	28.2
District Heat .....	3,308	3,308	581	432	Q	3,240	Q	Q	22.1
Propane .....	659	648	255	Q	Q	Q	346	Q	32.5
<b>Cooking Energy Sources (more than one may apply)</b>									
Electricity .....	12,183	12,124	6,707	6,711	1,668	1,336	223	Q	16.9
Natural Gas .....	15,233	14,987	5,687	11,888	2,007	1,199	Q	Q	13.1
Propane .....	1,039	1,000	598	Q	478	Q	Q	Q	33.8
<b>Percent of Floorspace Heated</b>									
Not Heated .....	6,211	330	Q	Q	Q	Q	Q	Q	34.3
1 to 50 .....	11,195	11,195	5,932	6,524	702	385	393	211	17.2
51 to 99 .....	10,211	10,211	4,569	6,596	1,444	815	285	Q	13.8
100 .....	40,260	40,260	14,983	25,235	5,148	4,024	858	188	9.2
<b>Heating Equipment (more than one may apply)</b>									
Heat Pumps .....	8,269	8,269	8,243	3,651	602	443	242	Q	15.2
Furnaces .....	16,909	16,909	6,018	13,797	1,746	Q	534	Q	10.5
Individual Space Heaters .....	22,380	22,380	12,980	13,980	2,099	1,139	984	380	9.9
District Heat .....	5,225	5,225	970	553	413	5,225	Q	Q	19.8
Boilers .....	20,664	20,664	6,583	15,967	5,260	Q	219	Q	12.3
Packaged Heating Units .....	16,000	16,000	8,375	11,524	627	279	Q	Q	13.3
Other .....	903	903	491	549	Q	Q	Q	Q	33.0
<b>Heating Distribution Equipment (more than one may apply)</b>									
Radiators or Baseboards .....	13,263	13,263	2,909	8,313	3,702	2,695	Q	Q	11.4
Ducts for Heating .....	45,422	45,422	20,063	30,075	4,629	3,141	1,001	151	8.9
Heating Only .....	5,950	5,950	1,969	4,421	1,177	207	211	Q	20.0
Heating and Cooling .....	39,472	39,472	18,094	25,654	3,453	2,935	790	Q	8.8
Variable Air-Volume System .....	11,528	11,528	5,519	7,440	1,480	1,721	Q	Q	18.4
Fan Coil Units for Heating .....	5,474	5,474	1,874	3,677	1,243	1,444	Q	Q	16.8
Heating Only .....	3,569	3,569	1,480	2,475	667	693	Q	Q	22.3
Heating and Cooling .....	1,906	1,906	393	1,203	576	751	Q	Q	22.0
Individual Space Heaters .....	22,380	22,380	12,980	13,980	2,099	1,139	984	380	9.9
Other .....	3,310	3,310	1,434	2,511	413	245	Q	Q	23.6

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A38. Primary Space-Heating Energy Sources, Number of Buildings, 1992**  
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Primary Space-Heating Energy Sources Used						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	1.5	1.8	2.2	
<b>All Buildings</b> .....	4,806	4,178	1,107	2,276	394	91	217	68	8.2
<b>Building Floorspace (square feet)</b>									
1,001 to 5,000 .....	2,681	2,247	618	1,157	220	18	168	52	11.0
5,001 to 10,000 .....	975	883	231	492	106	11	31	Q	11.7
10,001 to 25,000 .....	647	585	148	354	34	27	Q	Q	11.9
25,001 to 50,000 .....	280	255	62	150	22	15	Q	Q	14.3
50,001 to 100,000 .....	116	110	26	65	8	9	Q	Q	14.7
100,001 to 200,000 .....	71	64	13	39	3	6	Q	Q	17.3
200,001 to 500,000 .....	26	24	5	14	1	4	Q	Q	21.4
Over 500,000 .....	9	9	Q	3	Q	1	Q	Q	39.2
<b>Principal Building Activity</b>									
Education .....	301	295	79	170	20	20	Q	Q	16.3
Food Sales .....	130	120	53	57	Q	Q	Q	Q	27.1
Food Service .....	260	249	53	159	Q	Q	Q	Q	17.7
Health Care .....	63	61	20	35	Q	2	Q	Q	29.9
Lodging .....	154	150	77	49	Q	9	Q	Q	22.0
Mercantile and Service .....	1,272	1,214	245	681	154	8	75	38	12.2
Office .....	749	745	243	409	61	23	Q	Q	12.1
Parking Garage .....	24	17	6	Q	Q	Q	Q	Q	53.9
Public Assembly .....	278	257	59	144	21	10	Q	Q	17.0
Public Order and Safety .....	60	60	Q	36	Q	Q	Q	Q	36.3
Religious Worship .....	366	364	74	189	51	Q	44	Q	19.2
Warehouse and Storage .....	761	445	120	232	32	Q	32	Q	15.2
Other .....	69	48	17	19	Q	4	Q	Q	33.3
Vacant .....	319	154	49	86	Q	2	Q	Q	19.0
<b>Year Constructed</b>									
1899 or Before .....	169	158	26	97	25	4	Q	Q	26.4
1900 to 1919 .....	255	232	18	157	41	10	Q	Q	21.1
1920 to 1945 .....	724	623	82	391	81	12	Q	Q	14.2
1946 to 1959 .....	880	760	150	445	88	22	46	Q	13.4
1960 to 1969 .....	783	687	167	396	58	22	30	Q	12.8
1970 to 1979 .....	982	850	301	427	57	8	43	Q	12.9
1980 to 1989 .....	884	761	322	321	42	11	46	Q	12.8
1990 to 1992 .....	128	107	41	43	Q	Q	Q	Q	31.2
<b>Census Region</b>									
Northeast .....	771	694	68	322	235	22	31	Q	15.5
Midwest .....	1,202	1,047	124	776	41	23	60	Q	16.9
South .....	1,963	1,687	655	737	115	27	107	32	13.2
West .....	870	750	260	440	Q	20	Q	Q	18.4
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	4,616	4,173	1,107	2,276	394	91	217	64	8.2
Natural Gas .....	2,665	2,627	270	2,276	37	32	Q	Q	10.3
Fuel Oil .....	559	554	51	75	394	11	Q	Q	17.1
District Heat .....	95	95	Q	3	Q	91	Q	Q	22.1
District Chilled Water .....	28	28	2	Q	Q	23	Q	Q	31.6
Propane .....	337	330	52	17	38	Q	217	Q	24.0
Any Other .....	163	161	Q	24	Q	Q	Q	68	22.0
<b>Energy End Uses (more than one may apply)</b>									
Heated Buildings .....	4,178	4,178	1,107	2,276	394	91	217	68	8.2
Air-Conditioned Buildings .....	3,502	3,439	1,005	1,933	247	78	144	Q	8.3
Buildings with Water Heating .....	3,502	3,436	921	1,972	292	78	131	Q	8.4
Buildings with Cooking .....	734	715	192	410	65	17	25	Q	12.2
Buildings with Manufacturing .....	121	117	28	69	9	5	Q	Q	28.4

See footnotes at end of table.

**Table A38. Primary Space-Heating Energy Sources, Number of Buildings, 1992 (Continued)**  
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Primary Space-Heating Energy Sources Used						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	1.5	1.8	2.2	
<b>Climate Zone: 45-Year Average</b>									
Fewer than 2,000 CDD and --									
More than 7,000 HDD .....	399	344	35	206	64	10	Q	Q	26.7
5,500-7,000 HDD .....	1,134	1,018	104	697	129	27	39	Q	19.9
4,000-5,499 HDD .....	1,077	959	238	414	167	26	67	Q	25.3
Fewer than 4,000 HDD .....	1,101	955	304	524	Q	13	75	Q	24.1
More than 2,000 CDD and --									
Fewer than 4,000 HDD .....	1,095	903	426	434	Q	15	Q	Q	20.6
<b>Predominant Exterior Wall Materials</b>									
Masonry .....	3,115	2,850	721	1,667	263	74	87	Q	8.6
Siding or Shingles .....	764	635	172	273	90	Q	68	Q	14.4
Metal Panels .....	745	533	155	258	29	6	59	Q	17.0
Concrete Panels .....	87	76	35	34	Q	6	Q	Q	24.4
Window Glass .....	46	41	16	19	Q	1	Q	Q	36.0
Other .....	47	42	8	24	Q	Q	Q	Q	44.8
<b>Predominant Roof Materials</b>									
Built-Up .....	1,642	1,489	427	873	109	39	22	Q	10.4
Shingles (Not Wood) .....	1,381	1,246	304	662	155	10	89	Q	11.8
Metal Surfacing .....	1,037	763	215	358	57	10	89	Q	15.4
Synthetic or Rubber .....	386	368	64	232	43	13	Q	Q	15.5
Slate or Tile .....	155	140	39	65	19	13	Q	Q	22.2
Concrete .....	37	22	8	11	Q	Q	Q	Q	43.8
Other .....	167	150	50	75	Q	Q	Q	Q	26.5
<b>Percent Window Glass</b>									
25 or Less .....	4,193	3,597	957	1,937	338	73	204	65	8.7
26 to 50 .....	490	464	110	282	42	14	Q	Q	12.5
51 to 75 .....	94	89	27	48	10	Q	Q	Q	26.3
76 to 100 .....	29	27	12	9	Q	1	Q	Q	36.9
<b>Workers (main shift)</b>									
Less than 5 .....	2,718	2,154	557	1,111	231	22	158	59	11.1
5 to 9 .....	895	861	233	489	74	14	44	Q	11.6
10 to 19 .....	561	540	152	309	44	21	Q	Q	12.8
20 to 49 .....	405	401	105	246	28	16	Q	Q	12.7
50 to 99 .....	130	128	36	67	11	9	Q	Q	16.5
100 to 249 .....	64	64	17	39	4	4	Q	Q	17.6
250 or More .....	31	30	8	14	2	6	Q	Q	20.7
<b>Weekly Operating Hours</b>									
39 or Fewer .....	1,039	725	144	366	103	10	81	Q	15.1
40 to 48 .....	1,278	1,186	318	668	103	33	35	Q	11.8
49 to 60 .....	1,004	920	233	514	88	15	44	Q	12.0
61 to 84 .....	645	603	149	348	60	8	28	Q	10.9
85 to 167 .....	478	436	128	245	29	7	Q	Q	16.6
Open Continuously .....	362	307	134	134	12	18	Q	Q	16.8
<b>Replacement Energy Source for Primary Heating</b>									
Electricity Only .....	350	350	Q	280	Q	Q	33	Q	17.3
Natural Gas Only .....	213	213	125	Q	47	6	Q	Q	19.7
Fuel Oil Only .....	161	161	25	108	Q	6	Q	Q	23.1
Propane Only .....	212	212	43	121	37	Q	Q	Q	23.7
Any Other Single Energy Source									
Source .....	57	57	Q	25	Q	Q	Q	Q	34.8
More than One Energy Source .....	93	93	Q	58	Q	Q	Q	Q	34.8
<b>Percent of Floorspace Heated</b>									
Not Heated .....	653	25	Q	Q	Q	Q	Q	Q	29.1
1 to 50 .....	688	688	220	332	62	3	40	Q	15.3
51 to 99 .....	618	618	160	361	53	9	26	Q	13.7
100 .....	2,846	2,846	720	1,576	276	79	146	Q	8.6

See footnotes at end of table.

**Table A38. Primary Space-Heating Energy Sources, Number of Buildings, 1992 (Continued)**  
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Primary Space-Heating Energy Sources Used						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	1.5	1.8	2.2	
<b>Heating Equipment (more than one may apply)</b>									
Heat Pumps .....	449	449	362	60	10	7	Q	Q	19.4
Furnaces .....	1,692	1,692	205	1,162	209	Q	92	Q	9.9
Individual Space Heaters .....	1,464	1,464	384	753	114	14	134	53	11.3
District Heat .....	93	93	Q	2	Q	91	Q	Q	22.4
Boilers .....	624	624	33	393	170	Q	Q	Q	12.5
Packaged Heating Units .....	870	870	331	507	Q	2	Q	Q	16.4
Other .....	42	42	18	19	Q	Q	Q	Q	46.4
<b>Heating Distribution Equipment (more than one may apply)</b>									
Radiators or Baseboards .....	473	473	12	254	136	46	Q	Q	14.5
Ducts for Heating .....	2,955	2,955	831	1,707	241	49	111	Q	8.3
Heating Only .....	577	577	33	340	157	5	29	Q	16.6
Heating and Cooling .....	2,378	2,378	798	1,367	84	44	82	Q	8.8
Variable Air-Volume System .....	210	210	49	136	8	13	Q	Q	16.6
Fan Coil Units for Heating .....	99	99	13	56	14	16	Q	Q	21.4
Heating Only .....	78	78	12	44	11	11	Q	Q	24.7
Heating and Cooling .....	21	21	Q	12	Q	5	Q	Q	32.0
Individual Space Heaters .....	1,464	1,464	384	753	114	14	134	53	11.3
Other .....	181	181	34	93	27	Q	Q	Q	21.1

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A39. Primary Space-Heating Energy Sources, Floorspace, 1992**  
(Million Square Feet)

Building Characteristics	Total Floorspace All Buildings	Total Floorspace of All Heated Buildings	Primary Space-Heating Energy Sources Used						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.3	1.4	1.9	1.7	
<b>All Buildings</b> .....	67,876	61,996	15,502	35,161	4,415	5,014	1,101	257	8.7
<b>Building Floorspace (square feet)</b>									
1,001 to 5,000 .....	7,327	6,210	1,684	3,256	629	56	427	126	11.2
5,001 to 10,000 .....	7,199	6,533	1,719	3,648	779	73	232	Q	11.3
10,001 to 25,000 .....	10,375	9,424	2,411	5,763	519	433	Q	Q	11.2
25,001 to 50,000 .....	10,069	9,132	2,245	5,377	791	494	Q	Q	14.1
50,001 to 100,000 .....	8,062	7,622	1,788	4,547	569	571	Q	Q	14.0
100,001 to 200,000 .....	9,678	8,730	1,803	5,420	472	780	Q	Q	16.2
200,001 to 500,000 .....	7,889	7,470	1,428	4,225	387	1,430	Q	Q	21.2
Over 500,000 .....	7,278	6,876	2,424	2,925	Q	1,177	Q	Q	34.7
<b>Principal Building Activity</b>									
Education .....	8,470	8,379	998	5,642	996	637	Q	Q	13.8
Food Sales .....	757	723	282	401	Q	Q	Q	Q	29.7
Food Service .....	1,491	1,435	307	850	Q	Q	Q	Q	20.8
Health Care .....	1,763	1,746	198	1,030	Q	385	Q	Q	22.9
Lodging .....	2,891	2,870	1,125	1,004	Q	575	Q	Q	23.1
Mercantile and Service .....	12,402	11,835	2,858	7,272	833	141	364	144	15.5
Office .....	12,319	12,255	3,746	5,924	998	1,553	Q	Q	13.2
Parking Garage .....	1,652	1,165	706	Q	Q	Q	Q	Q	51.8
Public Assembly .....	4,556	4,470	Q	2,028	Q	308	Q	Q	29.7
Public Order and Safety .....	820	820	Q	468	Q	Q	Q	Q	45.4
Religious Worship .....	3,747	3,737	602	2,612	324	Q	132	Q	20.0
Warehouse and Storage .....	11,484	8,800	2,121	5,612	366	Q	226	Q	17.2
Other .....	1,130	1,025	105	535	Q	326	Q	Q	26.0
Vacant .....	4,396	2,738	683	1,455	Q	410	Q	Q	28.3
<b>Year Constructed</b>									
1899 or Before .....	1,721	1,637	246	1,074	186	91	Q	Q	26.6
1900 to 1919 .....	3,608	3,329	250	2,292	474	264	Q	Q	27.2
1920 to 1945 .....	8,712	7,717	790	4,516	895	1,053	Q	Q	18.5
1946 to 1959 .....	10,421	9,371	1,493	6,115	996	537	171	Q	14.6
1960 to 1969 .....	12,612	11,548	1,893	7,241	739	1,339	115	Q	15.4
1970 to 1979 .....	14,014	12,814	3,800	7,032	711	911	273	Q	13.0
1980 to 1989 .....	14,287	13,276	6,230	5,665	350	656	304	Q	17.2
1990 to 1992 .....	2,502	2,303	800	1,225	Q	163	Q	Q	20.3
<b>Census Region</b>									
Northeast .....	13,400	12,858	1,768	6,049	3,202	1,467	158	Q	15.6
Midwest .....	17,280	16,303	2,169	11,468	427	1,846	287	Q	14.3
South .....	24,577	21,659	8,529	10,660	738	903	571	122	13.7
West .....	12,619	11,176	3,036	6,984	Q	798	Q	Q	13.8
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	66,549	61,971	15,502	35,161	4,415	4,999	1,101	246	8.7
Natural Gas .....	45,097	44,624	5,272	35,161	1,271	2,547	Q	Q	9.0
Fuel Oil .....	13,218	12,933	2,482	4,695	4,415	1,097	Q	Q	12.3
District Heat .....	5,339	5,324	Q	233	Q	5,014	Q	Q	22.1
District Chilled Water .....	2,066	2,063	136	Q	Q	1,590	Q	Q	26.1
Propane .....	3,393	3,340	791	675	664	Q	1,101	Q	22.2
Any Other .....	1,551	1,522	Q	302	Q	Q	Q	257	27.5
<b>Energy End Uses (more than one may apply)</b>									
Heated Buildings .....	61,996	61,996	15,502	35,161	4,415	5,014	1,101	257	8.8
Air-Conditioned Buildings .....	57,041	56,073	14,511	32,138	3,539	4,484	816	Q	9.0
Buildings with Water Heating .....	58,479	57,708	14,200	33,406	3,911	4,856	702	Q	8.8
Buildings with Cooking .....	23,065	22,736	5,738	12,913	1,704	2,040	166	Q	13.5
Buildings with Manufacturing .....	3,174	3,121	425	2,002	198	415	Q	Q	26.4

See footnotes at end of table.



**Table A39. Primary Space-Heating Energy Sources, Floorspace, 1992 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace All Buildings	Total Floorspace of All Heated Buildings	Primary Space-Heating Energy Sources Used						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.3	1.4	1.9	1.7	
<b>Climate Zone: 45-Year Average</b>									
Fewer than 2,000 CDD and --									
More than 7,000 HDD .....	5,623	5,218	641	3,010	862	496	Q	Q	25.7
5,500-7,000 HDD .....	18,024	17,196	2,305	11,371	1,360	1,842	184	Q	16.5
4,000-5,499 HDD .....	16,162	14,966	2,955	7,599	1,984	1,572	319	Q	17.4
Fewer than 4,000 HDD .....	15,251	13,537	3,656	8,790	Q	550	Q	Q	21.5
More than 2,000 CDD and --									
Fewer than 4,000 HDD .....	12,816	11,079	5,945	4,391	Q	554	Q	Q	20.8
<b>Predominant Exterior Wall Materials</b>									
Masonry .....	48,585	45,520	10,902	26,557	3,505	3,509	431	Q	9.8
Siding or Shingles .....	3,873	3,303	822	1,588	475	Q	283	Q	15.0
Metal Panels .....	7,392	5,682	1,657	2,930	271	330	374	Q	17.7
Concrete Panels .....	4,961	4,663	1,219	2,749	Q	669	Q	Q	24.3
Window Glass .....	2,028	1,839	636	749	Q	Q	Q	Q	27.8
Other .....	1,037	988	266	589	Q	Q	Q	Q	43.2
<b>Predominant Roof Materials</b>									
Built-Up .....	30,257	28,271	7,599	16,326	1,396	2,307	170	Q	12.3
Shingles (Not Wood) .....	10,570	9,764	2,100	5,601	1,181	453	305	Q	14.7
Metal Surfacing .....	9,019	7,121	2,169	3,618	352	305	535	Q	15.6
Synthetic or Rubber .....	11,702	11,541	1,837	7,176	1,143	1,290	Q	Q	15.0
Slate or Tile .....	1,998	1,863	271	999	175	400	Q	Q	25.2
Concrete .....	2,544	1,741	931	Q	Q	Q	Q	Q	44.8
Other .....	1,786	1,695	595	906	Q	Q	Q	Q	26.3
<b>Percent Window Glass</b>									
25 or Less .....	51,356	45,868	11,594	26,374	3,239	2,893	1,045	232	10.1
26 to 50 .....	11,815	11,493	2,513	6,695	853	1,309	Q	Q	13.5
51 to 75 .....	3,206	3,185	837	1,673	202	462	Q	Q	20.6
76 to 100 .....	1,499	1,450	558	419	Q	Q	Q	Q	32.1
<b>Workers (main shift)</b>									
Less than 5 .....	17,944	13,604	4,410	6,727	1,227	409	562	193	17.6
5 to 9 .....	7,524	7,075	1,869	3,950	552	313	344	Q	14.0
10 to 19 .....	8,077	7,528	1,920	4,504	425	478	Q	Q	13.3
20 to 49 .....	10,556	10,440	2,151	7,024	603	503	Q	Q	12.2
50 to 99 .....	7,763	7,652	1,569	4,514	528	719	Q	Q	18.1
100 to 249 .....	7,378	7,323	1,471	4,742	438	672	Q	Q	19.9
250 or More .....	8,633	8,374	2,113	3,700	642	1,919	Q	Q	19.6
<b>Weekly Operating Hours</b>									
39 or Fewer .....	8,246	6,000	1,006	3,373	895	347	298	Q	17.2
40 to 48 .....	14,998	13,745	3,426	8,127	1,112	781	151	Q	11.8
49 to 60 .....	14,046	13,251	3,002	8,088	729	952	302	Q	11.6
61 to 84 .....	12,062	11,529	3,065	6,718	628	683	197	Q	15.4
85 to 167 .....	8,467	8,141	1,649	5,039	737	451	Q	Q	18.6
Open Continuously .....	10,057	9,329	3,354	3,816	314	1,800	Q	Q	22.7
<b>Replacement Energy Source for Primary Heating</b>									
Electricity Only .....	2,559	2,559	Q	2,099	Q	Q	209	Q	18.1
Natural Gas Only .....	2,260	2,260	952	Q	702	Q	Q	Q	20.9
Fuel Oil Only .....	5,451	5,451	193	4,599	Q	524	Q	Q	23.1
Propane Only .....	2,174	2,174	259	1,477	257	Q	Q	Q	21.6
Any Other Single Energy Source									
Source .....	477	477	Q	231	Q	Q	Q	Q	52.9
More than One Energy Source .....	895	895	Q	581	Q	Q	Q	Q	34.8
<b>Percent of Floorspace Heated</b>									
Not Heated .....	6,211	330	Q	Q	Q	Q	Q	Q	36.8
1 to 50 .....	11,195	11,195	4,044	5,783	495	381	302	Q	18.5
51 to 99 .....	10,211	10,211	2,406	6,064	815	725	160	Q	14.9
100 .....	40,260	40,260	8,980	23,226	3,072	3,890	610	Q	9.9

See footnotes at end of table.

**Table A39. Primary Space-Heating Energy Sources, Floorspace, 1992 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace All Buildings	Total Floorspace of All Heated Buildings	Primary Space-Heating Energy Sources Used						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.3	1.4	1.9	1.7	
<b>Heating Equipment (more than one may apply)</b>									
Heat Pumps .....	8,269	8,269	4,723	2,541	275	376	Q	Q	16.6
Furnaces .....	16,909	16,909	2,201	12,649	1,292	Q	406	Q	10.3
Individual Space Heaters .....	22,380	22,380	6,528	12,523	1,266	1,074	679	188	11.0
District Heat .....	5,225	5,225	Q	Q	Q	4,996	Q	Q	15.8
Boilers .....	20,664	20,664	2,371	14,727	3,131	Q	Q	Q	15.3
Packaged Heating Units .....	16,000	16,000	4,591	10,609	Q	271	Q	Q	12.2
Other .....	903	903	363	474	Q	Q	Q	Q	36.1
<b>Heating Distribution Equipment (more than one may apply)</b>									
Radiators or Baseboards .....	13,263	13,263	347	7,640	2,355	2,589	Q	Q	13.7
Ducts for Heating .....	45,422	45,422	11,596	27,302	2,539	3,042	637	Q	9.2
Heating Only .....	5,950	5,950	627	3,877	1,041	206	125	Q	21.5
Heating and Cooling .....	39,472	39,472	10,969	23,425	1,497	2,837	512	Q	9.8
Variable Air-Volume System .....	11,528	11,528	2,973	6,500	365	1,659	Q	Q	21.8
Fan Coil Units for Heating .....	5,474	5,474	345	3,385	420	1,311	Q	Q	19.1
Heating Only .....	3,569	3,569	301	2,307	264	683	Q	Q	23.4
Heating and Cooling .....	1,906	1,906	Q	1,078	Q	628	Q	Q	24.2
Individual Space Heaters .....	22,380	22,380	6,528	12,523	1,266	1,074	679	188	11.0
Other .....	3,310	3,310	572	2,235	218	216	Q	Q	25.8

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A40. Cooling Energy Sources, Number of Buildings and Floorspace, 1992**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
			0.6	1.9	2.4			0.7	2.2	2.1	
RSE Column Factor:	0.5	0.6	0.6	1.9	2.4	0.6	0.6	0.7	2.2	2.1	
<b>All Buildings</b> .....	4,806	3,502	3,404	106	28	67,876	57,041	54,628	1,906	2,066	6.4
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	2,681	1,792	1,748	47	Q	7,327	4,994	4,853	146	Q	9.0
5,001 to 10,000 .....	975	758	739	26	Q	7,199	5,601	5,452	194	Q	7.5
10,001 to 25,000 .....	647	519	504	19	8	10,375	8,364	8,132	268	115	10.5
25,001 to 50,000 .....	280	236	225	Q	9	10,069	8,435	8,043	Q	311	12.1
50,001 to 100,000 .....	116	103	100	Q	Q	8,062	7,185	6,970	Q	Q	11.7
100,001 to 200,000 .....	71	59	58	Q	2	9,678	8,072	7,898	Q	252	13.3
200,001 to 500,000 .....	26	24	22	1	2	7,889	7,217	6,536	Q	737	17.4
Over 500,000 .....	9	9	9	Q	1	7,278	7,174	6,744	Q	515	30.9
<b>Principal Building Activity</b>											
Education .....	301	251	238	10	9	8,470	7,389	6,912	487	253	14.2
Food Sales .....	130	119	119	Q	Q	757	725	725	Q	Q	24.7
Food Service .....	260	244	237	Q	Q	1,491	1,449	1,365	Q	Q	14.8
Health Care .....	63	59	53	Q	Q	1,763	1,747	1,605	Q	227	21.0
Lodging .....	154	120	117	Q	Q	2,891	2,493	2,310	Q	Q	21.3
Mercantile and Service .....	1,272	942	920	29	Q	12,402	10,874	10,669	286	Q	11.2
Office .....	749	731	704	26	8	12,319	12,198	11,576	285	659	10.2
Parking Garage .....	24	12	12	Q	Q	1,652	922	800	Q	Q	53.3
Public Assembly .....	278	208	202	Q	Q	4,556	4,077	3,966	Q	Q	23.4
Public Order and Safety .....	60	47	46	Q	Q	820	741	726	Q	Q	36.5
Religious Worship .....	366	286	285	Q	Q	3,747	3,121	3,090	Q	Q	19.3
Warehouse and Storage .....	761	324	318	Q	Q	11,484	7,885	7,783	Q	Q	14.3
Other .....	69	44	42	Q	Q	1,130	1,040	915	Q	Q	26.4
Vacant .....	319	114	111	Q	Q	4,396	2,382	2,187	Q	Q	21.4
<b>Year Constructed</b>											
1899 or Before .....	169	119	118	Q	Q	1,721	1,307	1,289	Q	Q	22.6
1900 to 1919 .....	255	169	164	Q	Q	3,608	2,759	2,691	Q	Q	22.6
1920 to 1945 .....	724	491	481	Q	Q	8,712	6,586	6,308	Q	Q	14.2
1946 to 1959 .....	880	643	625	17	7	10,421	8,260	7,934	327	241	12.4
1960 to 1969 .....	783	563	548	20	5	12,612	10,601	10,231	428	376	12.5
1970 to 1979 .....	982	741	721	23	5	14,014	12,286	11,375	423	632	11.5
1980 to 1989 .....	884	682	662	21	Q	14,287	12,985	12,692	418	243	13.7
1990 to 1992 .....	128	93	86	Q	Q	2,502	2,258	2,109	Q	164	20.0
<b>Census Region</b>											
Northeast .....	771	521	505	20	2	13,400	11,158	10,729	320	302	12.9
Midwest .....	1,202	784	751	35	7	17,280	14,383	13,544	512	684	12.7
South .....	1,963	1,569	1,552	18	10	24,577	21,205	20,609	420	659	11.3
West .....	870	627	596	34	9	12,619	10,296	9,747	654	421	13.0
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,616	3,502	3,404	106	28	66,549	57,041	54,628	1,906	2,066	6.4
Natural Gas .....	2,665	2,263	2,176	106	15	45,097	41,423	39,652	1,906	1,109	7.7
Fuel Oil .....	559	378	375	3	2	13,218	12,081	11,480	439	588	14.3
District Heat .....	95	82	66	Q	24	5,339	4,786	3,484	Q	1,737	15.9
District Chilled Water .....	28	28	11	Q	28	2,066	2,066	842	Q	2,066	22.9
Propane .....	337	230	228	Q	Q	3,393	2,837	2,789	Q	Q	21.7
Any Other .....	163	71	70	Q	Q	1,551	1,117	1,107	Q	Q	31.3

See footnotes at end of table.

**Table A40. Cooling Energy Sources, Number of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.5	0.6	0.6	1.9	2.4	0.6	0.6	0.7	2.2	2.1	
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	4,178	3,439	3,342	106	28	61,996	56,073	53,663	1,906	2,063	6.5
Air-Conditioned Buildings .....	3,502	3,502	3,404	106	28	57,041	57,041	54,628	1,906	2,066	6.5
Buildings with Water Heating .....	3,502	3,016	2,929	100	22	58,479	53,839	51,535	1,886	1,978	6.8
Buildings with Cooking .....	734	663	644	25	8	23,065	22,003	20,974	912	920	10.8
Buildings with Manufacturing .....	121	92	89	Q	Q	3,174	2,870	2,808	Q	Q	23.8
<b>Climate Zone: 45-Year Average</b>											
Fewer than 2,000 CDD and -- More than 7,000 HDD .....	399	229	221	Q	Q	5,623	4,267	3,970	Q	Q	25.6
5,500-7,000 HDD .....	1,134	766	731	43	5	18,024	14,977	14,369	545	574	14.3
4,000-5,499 HDD .....	1,077	753	735	20	4	16,162	13,549	12,854	324	526	18.7
Fewer than 4,000 HDD .....	1,101	838	811	29	10	15,251	12,870	12,441	569	437	19.8
More than 2,000 CDD and -- Fewer than 4,000 HDD .....	1,095	915	906	Q	9	12,816	11,379	10,994	Q	467	18.0
<b>Predominant Exterior Wall Material</b>											
Masonry .....	3,115	2,491	2,418	76	25	48,585	42,084	40,311	1,232	1,630	7.2
Siding or Shingles .....	764	473	462	Q	Q	3,873	2,625	2,552	Q	Q	13.0
Metal Panels .....	745	394	384	Q	Q	7,392	4,854	4,727	Q	Q	14.5
Concrete Panels .....	87	71	68	Q	2	4,961	4,563	4,237	Q	221	19.4
Window Glass .....	46	38	38	Q	Q	2,028	1,978	1,893	Q	Q	28.4
Other .....	47	35	35	Q	Q	1,037	938	908	Q	Q	38.0
<b>Predominant Roof Material</b>											
Built-Up .....	1,642	1,319	1,290	39	11	30,257	26,404	25,503	910	969	8.5
Shingles (Not Wood) .....	1,381	1,025	999	28	Q	10,570	8,606	8,420	293	Q	11.3
Metal Surfacing .....	1,037	576	559	21	Q	9,019	6,077	5,886	171	Q	13.1
Synthetic or Rubber .....	386	318	306	11	6	11,702	10,893	10,130	423	626	13.2
Slate or Tile .....	155	113	107	Q	Q	1,998	1,608	1,470	Q	Q	21.4
Concrete .....	37	27	23	Q	Q	2,544	1,909	1,727	Q	Q	46.5
Other .....	167	124	122	Q	Q	1,786	1,544	1,493	Q	Q	23.0
<b>Percent Window Glass</b>											
25 or Less .....	4,193	2,987	2,904	91	21	51,356	41,691	39,873	1,403	1,317	7.2
26 to 50 .....	490	410	401	10	6	11,815	10,873	10,449	361	503	12.7
51 to 75 .....	94	80	77	Q	Q	3,206	3,031	2,938	Q	Q	19.7
76 to 100 .....	29	25	23	Q	Q	1,499	1,447	1,368	Q	Q	32.1
<b>Workers (main shift)</b>											
Less than 5 .....	2,718	1,623	1,591	34	Q	17,944	10,719	10,315	213	Q	13.4
5 to 9 .....	895	781	753	30	Q	7,524	6,249	6,065	188	Q	8.9
10 to 19 .....	561	502	487	Q	10	8,077	6,954	6,760	Q	193	11.8
20 to 49 .....	405	384	373	17	5	10,556	9,990	9,758	330	191	11.4
50 to 99 .....	130	118	112	Q	3	7,763	7,313	6,855	Q	327	15.4
100 to 249 .....	64	63	60	Q	2	7,378	7,195	6,839	Q	192	15.3
250 or More .....	31	31	29	1	3	8,633	8,621	8,035	197	868	14.0

See footnotes at end of table.

**Table A40. Cooling Energy Sources, Number of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.5	0.6	0.6	1.9	2.4	0.6	0.6	0.7	2.2	2.1	
<b>Weekly Operating Hours</b>											
39 or Fewer .....	1,039	513	505	Q	Q	8,246	4,632	4,401	Q	Q	14.1
40 to 48 .....	1,278	1,007	978	34	8	14,998	12,558	12,148	303	312	9.6
49 to 60 .....	1,004	786	764	20	4	14,046	12,218	11,675	359	357	11.0
61 to 84 .....	645	528	514	20	4	12,062	11,158	10,906	496	178	11.7
85 to 167 .....	478	405	388	19	Q	8,467	7,742	7,292	338	278	14.9
Open Continuously .....	362	262	255	6	5	10,057	8,733	8,207	372	724	16.0
<b>Primary Space-Heating Energy Source</b>											
Electricity .....	1,107	1,005	1,000	Q	2	15,502	14,511	14,385	Q	136	13.1
Natural Gas .....	2,276	1,933	1,859	98	Q	35,161	32,138	31,178	1,687	Q	7.7
Fuel Oil .....	394	247	246	Q	Q	4,415	3,539	3,465	Q	Q	21.3
District Heat .....	91	78	63	Q	23	5,014	4,484	3,263	Q	1,590	16.6
Propane .....	217	144	142	Q	Q	1,101	816	786	Q	Q	32.2
Wood .....	68	Q	Q	Q	Q	257	Q	Q	Q	Q	35.2
Any Other .....	Q	Q	Q	Q	Q	546	Q	Q	Q	Q	74.9
<b>Water-Heating Energy Sources (more than one may apply)</b>											
Electricity .....	1,696	1,479	1,455	32	8	25,482	23,657	23,275	517	342	10.3
Natural Gas .....	1,647	1,436	1,376	71	8	29,962	27,766	26,681	1,391	494	9.4
Fuel Oil .....	126	88	88	Q	Q	2,470	2,089	2,015	Q	Q	28.3
District Heat .....	38	30	22	Q	10	3,308	2,972	2,158	Q	1,108	21.2
Propane .....	80	57	57	Q	Q	659	563	563	Q	Q	37.3
<b>Cooking Energy Sources (more than one may apply)</b>											
Electricity .....	356	326	317	9	4	12,183	11,792	11,353	244	546	16.7
Natural Gas .....	431	392	374	23	6	15,233	14,533	13,760	844	478	11.7
Propane .....	70	61	60	Q	Q	1,039	944	941	Q	Q	32.9
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	1,304	Q	Q	Q	Q	10,835	Q	Q	Q	Q	11.3
1 to 50 .....	1,176	1,176	1,154	31	Q	21,715	21,715	21,068	456	Q	8.9
51 to 99 .....	658	658	643	17	6	13,872	13,872	13,370	380	702	11.6
100 .....	1,668	1,668	1,608	59	20	21,454	21,454	20,191	1,070	988	9.3
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central Air Conditioners .....	816	816	783	48	Q	9,021	9,021	8,761	465	Q	11.5
Heat Pumps .....	454	454	449	8	Q	8,406	8,406	8,388	175	Q	15.0
Individual Air Conditioners .....	1,023	1,023	1,015	16	2	17,979	17,979	17,734	420	225	13.4
District Chilled Water .....	28	28	11	Q	28	2,066	2,066	842	Q	2,066	22.9
Central Chillers .....	142	142	137	8	Q	12,991	12,991	12,500	783	Q	15.4
Packaged Air-Conditioning Units .....	1,459	1,459	1,419	52	3	27,830	27,830	26,928	1,047	628	9.7
Swamp Coolers .....	179	179	178	Q	Q	2,085	2,085	2,063	Q	Q	32.7
Other .....	8	8	7	Q	Q	268	268	255	Q	Q	69.3

See footnotes at end of table.

**Table A40. Cooling Energy Sources, Number of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			All Buildings	All Cooled Buildings	Cooling Energy Sources (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.5	0.6	0.6	1.9	2.4	0.6	0.6	0.7	2.2	2.1	
<b>Cooling Distribution Equipment (more than one may apply)</b>											
Ducts for Cooling .....	2,733	2,733	2,638	105	25	47,755	47,755	45,601	1,824	1,785	6.9
Cooling Only .....	355	355	352	Q	5	8,283	8,283	7,949	Q	389	14.7
Heating and Cooling .....	2,378	2,378	2,287	101	21	39,472	39,472	37,652	1,706	1,396	7.0
Variable Air-Volume System Used .....	221	221	200	16	12	12,430	12,430	11,589	605	904	14.3
Fan Coil Units for Cooling .....	56	56	52	Q	5	3,875	3,875	3,334	Q	767	20.5
Cooling Only .....	35	35	34	Q	Q	1,969	1,969	1,772	Q	Q	36.7
Heating and Cooling .....	21	21	18	Q	3	1,906	1,906	1,562	Q	459	23.0
Individual Air Conditioners .....	1,023	1,023	1,015	16	2	17,979	17,979	17,734	420	225	13.4
Other .....	111	111	111	Q	Q	2,919	2,919	2,757	Q	Q	27.3

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A41. Water-Heating Energy Sources, Number of Buildings, 1992**

(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	0.7	0.7	2.0	1.8	2.2	
<b>All Buildings</b> .....	4,806	3,502	1,696	1,647	126	38	80	7.8
<b>Building Floorspace (square feet)</b>								
1,001 to 5,000 .....	2,681	1,733	878	777	48	Q	50	10.8
5,001 to 10,000 .....	975	787	390	348	43	Q	Q	9.4
10,001 to 25,000 .....	647	539	252	276	13	8	Q	11.9
25,001 to 50,000 .....	280	240	99	129	12	8	Q	14.3
50,001 to 100,000 .....	116	108	41	62	Q	6	Q	13.6
100,001 to 200,000 .....	71	62	22	37	Q	5	Q	16.7
200,001 to 500,000 .....	26	25	10	13	1	4	Q	17.8
Over 500,000 .....	9	9	5	3	Q	1	Q	37.1
<b>Principal Building Activity</b>								
Education .....	301	230	96	126	10	6	Q	15.4
Food Sales .....	130	124	70	53	Q	Q	Q	26.0
Food Service .....	260	259	72	165	Q	Q	Q	15.6
Health Care .....	63	62	17	39	Q	2	Q	28.5
Lodging .....	154	152	44	91	Q	6	Q	20.5
Mercantile and Service .....	1,272	923	476	402	46	Q	Q	10.9
Office .....	749	705	372	304	28	10	Q	11.2
Parking Garage .....	24	13	6	Q	Q	Q	Q	55.4
Public Assembly .....	278	235	101	114	Q	5	Q	16.4
Public Order and Safety .....	60	58	19	33	Q	Q	Q	35.2
Religious Worship .....	366	265	146	123	Q	Q	Q	17.2
Warehouse and Storage .....	761	311	182	124	Q	Q	Q	15.2
Other .....	69	43	25	17	Q	Q	Q	31.6
Vacant .....	319	121	71	50	Q	Q	Q	20.2
<b>Year Constructed</b>								
1899 or Before .....	169	126	57	62	Q	Q	Q	25.4
1900 to 1919 .....	255	202	83	107	18	4	Q	21.8
1920 to 1945 .....	724	507	197	268	36	5	Q	14.1
1946 to 1959 .....	880	638	266	340	18	7	Q	12.7
1960 to 1969 .....	783	580	252	299	18	11	Q	12.9
1970 to 1979 .....	982	721	393	306	21	6	Q	12.2
1980 to 1989 .....	884	649	413	228	Q	4	Q	12.0
1990 to 1992 .....	128	79	37	37	Q	Q	Q	28.9
<b>Census Region</b>								
Northeast .....	771	625	249	258	113	9	19	13.1
Midwest .....	1,202	906	369	525	Q	13	Q	15.3
South .....	1,963	1,307	811	476	10	9	23	13.3
West .....	870	664	267	387	Q	6	Q	18.0
<b>Energy Sources (more than one may apply)</b>								
Electricity .....	4,616	3,502	1,696	1,647	126	38	80	7.8
Natural Gas .....	2,665	2,333	729	1,647	21	13	Q	10.0
Fuel Oil .....	559	435	234	78	126	5	Q	16.0
District Heat .....	95	82	30	18	Q	38	Q	20.5
District Chilled Water .....	28	22	8	8	Q	10	Q	33.2
Propane .....	337	244	146	10	13	Q	80	21.9
Any Other .....	163	96	58	26	Q	Q	Q	27.6
<b>Energy End Uses (more than one may apply)</b>								
Heated Buildings .....	4,178	3,436	1,660	1,621	124	38	76	7.8
Air-Conditioned Buildings .....	3,502	3,016	1,479	1,436	88	30	57	8.0
Buildings with Water Heating .....	3,502	3,502	1,696	1,647	126	38	80	7.8
Buildings with Cooking .....	734	728	264	425	26	12	30	11.6
Buildings with Manufacturing .....	121	102	62	38	Q	Q	Q	27.0

See footnotes at end of table.

**Table A41. Water-Heating Energy Sources, Number of Buildings, 1992 (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	0.7	0.7	2.0	1.8	2.2	
<b>Workers (main shift)</b>								
Less than 5 .....	2,718	1,609	825	700	52	5	45	11.9
5 to 9 .....	895	777	371	366	33	6	Q	12.0
10 to 19 .....	561	512	250	245	16	5	Q	14.0
20 to 49 .....	405	384	156	224	12	9	Q	11.2
50 to 99 .....	130	126	53	67	7	6	Q	15.7
100 to 249 .....	64	62	30	30	3	2	Q	15.3
250 or More .....	31	31	12	14	2	5	Q	18.2
<b>Weekly Operating Hours</b>								
39 or Fewer .....	1,039	507	258	227	17	Q	Q	14.2
40 to 48 .....	1,278	979	513	432	29	11	Q	11.5
49 to 60 .....	1,004	764	380	354	38	7	Q	10.8
61 to 84 .....	645	518	239	253	24	3	Q	10.8
85 to 167 .....	478	435	190	221	11	5	Q	16.5
Open Continuously .....	362	300	117	160	7	10	Q	15.7
<b>Primary Space-Heating Energy Source</b>								
Electricity .....	1,107	921	724	190	Q	Q	15	12.2
Natural Gas .....	2,276	1,972	633	1,386	Q	Q	Q	9.7
Fuel Oil .....	394	292	160	20	109	Q	Q	20.8
District Heat .....	91	78	28	18	Q	36	Q	21.2
Propane .....	217	131	84	Q	Q	Q	49	26.1
Wood .....	68	Q	Q	Q	Q	Q	Q	44.8
Any Other .....	Q	Q	Q	Q	Q	Q	Q	NF
<b>Cooking Energy Sources (more than one may apply)</b>								
Electricity .....	356	353	182	153	13	8	Q	15.4
Natural Gas .....	431	427	79	361	5	6	Q	14.8
Propane .....	70	70	33	Q	11	Q	27	23.4
<b>Water-Heating Equipment (more than one may apply)</b>								
Centralized System .....	1,994	1,994	891	961	105	31	52	11.6
Self-Heating Tank .....	1,799	1,799	851	869	56	15	48	14.0
Heated by Space-Heating Equipment .....	103	103	17	42	37	7	Q	24.9
Other .....	106	106	30	55	15	12	Q	22.8
Distributed System .....	1,557	1,557	822	719	21	7	31	13.0
Residential-Type Storage Tank .....	1,489	1,489	792	687	18	Q	31	12.6
Point-of-Use .....	56	56	28	26	Q	1	Q	26.6
Other .....	24	24	7	15	Q	3	Q	29.3

NF = No applicable RSE row factor.

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.



**Table A42. Water-Heating Energy Sources, Floorspace, 1992**

(Million Square Feet)

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	0.6	0.8	0.7	1.8	1.5	2.3	
<b>All Buildings</b> .....	67,876	58,479	25,482	29,962	2,470	3,308	659	8.2
<b>Building Floorspace (square feet)</b>								
1,001 to 5,000 .....	7,327	4,928	2,483	2,248	151	Q	128	10.5
5,001 to 10,000 .....	7,199	5,834	2,869	2,601	325	Q	Q	9.1
10,001 to 25,000 .....	10,375	8,724	4,121	4,528	194	137	Q	11.7
25,001 to 50,000 .....	10,069	8,637	3,564	4,640	436	308	Q	14.8
50,001 to 100,000 .....	8,062	7,489	2,837	4,332	Q	391	Q	13.3
100,001 to 200,000 .....	9,678	8,492	2,900	5,209	Q	576	Q	15.9
200,001 to 500,000 .....	7,889	7,466	2,974	3,718	316	1,151	Q	18.3
Over 500,000 .....	7,278	6,910	3,734	2,685	Q	713	Q	30.5
<b>Principal Building Activity</b>								
Education .....	8,470	8,036	2,002	5,514	798	390	Q	14.3
Food Sales .....	757	739	387	374	Q	Q	Q	28.6
Food Service .....	1,491	1,490	386	906	Q	Q	Q	20.5
Health Care .....	1,763	1,760	227	1,150	Q	314	Q	22.0
Lodging .....	2,891	2,869	398	1,938	Q	470	Q	22.5
Mercantile and Service .....	12,402	10,809	5,503	5,607	285	Q	Q	14.6
Office .....	12,319	12,030	5,790	4,824	613	1,258	Q	13.6
Parking Garage .....	1,652	933	530	Q	Q	Q	Q	55.5
Public Assembly .....	4,556	4,346	Q	1,802	Q	216	Q	30.8
Public Order and Safety .....	820	804	179	444	Q	Q	Q	39.6
Religious Worship .....	3,747	3,384	1,637	1,935	Q	Q	Q	22.0
Warehouse and Storage .....	11,484	7,887	4,522	3,534	Q	Q	Q	17.4
Other .....	1,130	1,001	522	416	Q	Q	Q	27.5
Vacant .....	4,396	2,391	1,236	1,222	Q	Q	Q	31.8
<b>Year Constructed</b>								
1899 or Before .....	1,721	1,457	522	841	Q	Q	Q	26.5
1900 to 1919 .....	3,608	3,126	1,182	1,933	351	175	Q	27.1
1920 to 1945 .....	8,712	7,004	2,336	3,857	516	563	Q	18.6
1946 to 1959 .....	10,421	8,784	3,220	5,129	359	376	Q	13.7
1960 to 1969 .....	12,612	11,006	3,423	6,542	416	1,140	Q	15.7
1970 to 1979 .....	14,014	12,369	5,946	5,733	458	664	Q	13.4
1980 to 1989 .....	14,287	12,565	7,874	4,809	Q	267	Q	15.6
1990 to 1992 .....	2,502	2,167	980	1,117	Q	67	Q	20.8
<b>Census Region</b>								
Northeast .....	13,400	12,410	4,366	5,607	2,157	990	225	14.5
Midwest .....	17,280	15,460	5,643	9,161	Q	1,287	Q	12.7
South .....	24,577	19,592	11,302	8,476	169	449	198	14.1
West .....	12,619	11,017	4,171	6,717	Q	582	Q	13.7
<b>Energy Sources (more than one may apply)</b>								
Electricity .....	66,549	58,479	25,482	29,962	2,470	3,308	659	8.2
Natural Gas .....	45,097	43,151	13,814	29,962	1,076	1,437	Q	8.7
Fuel Oil .....	13,218	12,605	5,329	5,179	2,470	784	Q	11.5
District Heat .....	5,339	5,177	1,099	1,120	Q	3,308	Q	19.3
District Chilled Water .....	2,066	1,978	342	494	Q	1,108	Q	29.6
Propane .....	3,393	2,961	1,538	550	467	Q	659	19.4
Any Other .....	1,551	1,287	456	582	Q	Q	Q	41.0
<b>Energy End Uses (more than one may apply)</b>								
Heated Buildings .....	61,996	57,708	24,878	29,802	2,464	3,308	648	8.3
Air-Conditioned Buildings .....	57,041	53,839	23,657	27,766	2,089	2,972	563	8.5
Buildings with Water Heating .....	58,479	58,479	25,482	29,962	2,470	3,308	659	8.3
Buildings with Cooking .....	23,065	22,993	8,200	13,339	1,202	1,768	395	12.3
Buildings with Manufacturing .....	3,174	2,976	1,713	1,366	Q	Q	Q	24.2

See footnotes at end of table.

**Table A42. Water-Heating Energy Sources, Floorspace, 1992 (Continued)**  
(Million Square Feet)

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	0.6	0.8	0.7	1.8	1.5	2.3	
<b>Workers (main shift)</b>								
Less than 5 .....	17,944	11,207	6,032	4,748	273	86	199	18.7
5 to 9 .....	7,524	6,432	3,060	3,057	260	169	Q	14.2
10 to 19 .....	8,077	7,089	3,421	3,500	191	168	Q	15.7
20 to 49 .....	10,556	10,215	3,601	6,343	331	330	Q	12.6
50 to 99 .....	7,763	7,644	2,429	4,836	399	495	Q	17.0
100 to 249 .....	7,378	7,278	3,262	3,804	464	474	Q	18.8
250 or More .....	8,633	8,613	3,677	3,674	551	1,586	Q	17.8
<b>Weekly Operating Hours</b>								
39 or Fewer .....	8,246	5,005	2,085	2,636	340	Q	Q	16.8
40 to 48 .....	14,998	12,613	6,108	6,204	527	383	Q	11.4
49 to 60 .....	14,046	12,405	6,019	5,899	378	734	Q	11.6
61 to 84 .....	12,062	11,308	5,306	5,804	326	435	Q	15.9
85 to 167 .....	8,467	8,020	2,968	4,367	534	406	Q	19.3
Open Continuously .....	10,057	9,128	2,996	5,051	363	1,316	Q	22.1
<b>Primary Space-Heating Energy Source</b>								
Electricity .....	15,502	14,200	11,365	3,039	Q	Q	164	15.9
Natural Gas .....	35,161	33,406	10,389	24,877	Q	Q	Q	8.8
Fuel Oil .....	4,415	3,911	1,504	522	2,116	Q	Q	20.5
District Heat .....	5,014	4,856	987	1,086	Q	3,118	Q	20.5
Propane .....	1,101	702	397	Q	Q	Q	307	25.3
Wood .....	257	Q	Q	Q	Q	Q	Q	35.2
Any Other .....	546	506	Q	Q	Q	Q	Q	86.0
<b>Cooking Energy Sources (more than one may apply)</b>								
Electricity .....	12,183	12,151	5,725	5,862	512	1,192	Q	18.4
Natural Gas .....	15,233	15,193	3,766	11,383	597	802	Q	13.6
Propane .....	1,039	1,039	505	Q	313	Q	291	28.6
<b>Water-Heating Equipment (more than one may apply)</b>								
Centralized System .....	31,599	31,599	11,504	16,228	2,127	2,889	467	11.1
Self-Heating Tank .....	24,464	24,464	10,388	12,906	1,062	915	425	13.6
Heated by Space-Heating								
Equipment .....	3,722	3,722	514	1,706	984	841	Q	24.0
Other .....	4,032	4,032	773	2,130	257	1,170	Q	18.6
Distributed System .....	29,502	29,502	15,671	14,816	397	528	245	12.8
Residential-Type Storage								
Tank .....	25,809	25,809	14,008	13,174	273	155	241	13.6
Point-of-Use .....	3,367	3,367	Q	1,467	Q	138	Q	39.4
Other .....	1,259	1,259	439	757	Q	257	Q	31.2

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A43. Cooking Energy Sources, Number of Buildings and Floorspace, 1992**

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	
			1.1	1.0	1.8			1.2	1.0	2.3	
RSE Column Factor:	0.5	0.8	1.1	1.0	1.8	0.5	0.9	1.2	1.0	2.3	
<b>All Buildings</b> .....	4,806	734	356	431	70	67,876	23,065	12,183	15,233	1,039	7.7
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	2,681	320	158	175	35	7,327	903	440	498	98	10.2
5,001 to 10,000 .....	975	137	75	70	Q	7,199	998	542	518	Q	11.1
10,001 to 25,000 .....	647	114	45	75	Q	10,375	1,852	780	1,223	Q	11.3
25,001 to 50,000 .....	280	70	25	50	Q	10,069	2,627	923	1,930	Q	15.0
50,001 to 100,000 .....	116	44	25	27	Q	8,062	3,110	1,764	1,885	Q	12.4
100,001 to 200,000 .....	71	29	16	18	Q	9,678	4,062	2,252	2,597	Q	14.9
200,001 to 500,000 .....	26	15	8	11	Q	7,889	4,639	2,254	3,470	Q	15.6
Over 500,000 .....	9	6	4	4	Q	7,278	4,874	3,227	3,111	Q	29.3
<b>Principal Building Activity</b>											
Education .....	301	98	44	63	7	8,470	5,676	2,579	4,179	267	13.3
Food Sales .....	130	40	24	17	Q	757	350	230	226	Q	26.4
Food Service .....	260	244	101	169	30	1,491	1,450	626	1,043	147	12.7
Health Care .....	63	6	4	5	Q	1,763	1,289	631	1,013	Q	22.0
Lodging .....	154	38	15	29	Q	2,891	1,600	599	1,291	Q	22.7
Mercantile and Service .....	1,272	89	60	39	Q	12,402	3,806	2,395	2,797	Q	16.3
Office .....	749	30	15	14	Q	12,319	3,674	2,237	1,853	Q	14.0
Parking Garage .....	24	Q	Q	Q	Q	1,652	Q	Q	Q	Q	48.8
Public Assembly .....	278	82	41	41	Q	4,556	2,669	Q	1,114	Q	22.4
Public Order and Safety .....	60	Q	Q	Q	Q	820	Q	Q	Q	Q	40.5
Religious Worship .....	366	68	34	32	Q	3,747	1,231	600	823	Q	23.9
Warehouse and Storage .....	761	13	Q	Q	Q	11,484	349	Q	Q	Q	22.9
Other .....	69	Q	Q	Q	Q	1,130	Q	Q	Q	Q	29.6
Vacant .....	319	18	Q	12	Q	4,396	507	Q	Q	Q	30.9
<b>Year Constructed</b>											
1899 or Before .....	169	41	18	24	Q	1,721	495	188	364	Q	22.2
1900 to 1919 .....	255	42	13	29	Q	3,608	1,334	495	1,131	Q	23.9
1920 to 1945 .....	724	101	41	64	Q	8,712	2,225	873	1,491	Q	14.6
1946 to 1959 .....	880	134	59	85	Q	10,421	2,849	1,171	2,119	Q	12.1
1960 to 1969 .....	783	120	58	70	14	12,612	4,920	2,734	3,477	298	16.0
1970 to 1979 .....	982	154	81	84	12	14,014	5,071	2,427	3,502	253	13.8
1980 to 1989 .....	884	122	72	69	Q	14,287	5,313	3,706	2,698	Q	15.1
1990 to 1992 .....	128	21	14	7	Q	2,502	859	590	452	Q	23.6
<b>Census Region</b>											
Northeast .....	771	142	68	73	28	13,400	5,740	2,963	3,891	510	14.2
Midwest .....	1,202	201	86	142	Q	17,280	5,800	2,832	4,395	Q	11.0
South .....	1,963	257	143	120	29	24,577	7,768	4,287	4,318	377	15.1
West .....	870	134	59	96	Q	12,619	3,757	2,101	2,628	Q	14.0
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,616	734	356	431	70	66,549	23,065	12,183	15,233	1,039	7.7
Natural Gas .....	2,665	532	204	431	Q	45,097	18,487	8,382	15,233	Q	7.9
Fuel Oil .....	559	101	61	35	28	13,218	7,452	4,092	4,913	570	13.3
District Heat .....	95	19	10	12	Q	5,339	2,280	1,386	1,224	Q	19.5
District Chilled Water .....	28	8	4	6	Q	2,066	920	546	478	Q	31.4
Propane .....	337	84	31	5	70	3,393	1,549	685	270	1,039	20.1
Any Other .....	163	13	10	Q	Q	1,551	399	253	Q	Q	28.5

See footnotes at end of table.

**Table A43. Cooking Energy Sources, Number of Buildings and Floorspace, 1992 (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	
RSE Column Factor:	0.5	0.8	1.1	1.0	1.8	0.5	0.9	1.2	1.0	2.3	
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	4,178	715	344	425	66	61,996	22,736	12,124	14,987	1,000	7.7
Air-Conditioned Buildings .....	3,502	663	326	392	61	57,041	22,003	11,792	14,533	944	8.1
Buildings with Water Heating .....	3,502	728	353	427	70	58,479	22,993	12,151	15,193	1,039	7.8
Buildings with Cooking .....	734	734	356	431	70	23,065	23,065	12,183	15,233	1,039	8.5
Buildings with Manufacturing .....	121	13	7	7	Q	3,174	528	281	309	Q	28.3
<b>Workers (main shift)</b>											
Less than 5 .....	2,718	260	146	119	29	17,944	2,678	Q	892	128	15.4
5 to 9 .....	895	155	66	97	Q	7,524	1,326	687	705	Q	12.6
10 to 19 .....	561	126	55	80	Q	8,077	1,719	707	1,233	Q	14.0
20 to 49 .....	405	105	39	79	Q	10,556	3,419	1,172	2,662	Q	13.6
50 to 99 .....	130	43	25	28	Q	7,763	3,424	1,885	2,209	Q	14.6
100 to 249 .....	64	26	14	18	Q	7,378	3,998	2,020	3,072	Q	15.0
250 or More .....	31	18	11	11	Q	8,633	6,502	3,858	4,459	Q	14.4
<b>Weekly Operating Hours</b>											
39 or Fewer .....	1,039	116	68	46	Q	8,246	1,828	826	1,098	Q	18.4
40 to 48 .....	1,278	89	38	54	Q	14,998	3,010	1,726	1,912	Q	14.2
49 to 60 .....	1,004	83	36	56	Q	14,046	3,118	1,723	1,852	Q	12.7
61 to 84 .....	645	149	68	97	Q	12,062	5,195	2,805	3,487	Q	11.7
85 to 167 .....	478	218	107	126	25	8,467	4,750	2,418	3,619	179	13.8
Open Continuously .....	362	78	40	52	Q	10,057	5,163	2,684	3,266	Q	17.6
<b>Water-Heating Energy Sources (more than one may apply)</b>											
Electricity .....	1,696	264	182	79	33	25,482	8,200	5,725	3,766	505	12.7
Natural Gas .....	1,647	425	153	361	Q	29,962	13,339	5,862	11,383	Q	8.8
Fuel Oil .....	126	26	13	5	11	2,470	1,202	512	597	313	25.1
District Heat .....	38	12	8	6	Q	3,308	1,768	1,192	802	Q	24.8
Propane .....	80	30	Q	Q	27	659	395	Q	Q	291	27.8

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.