

**Table C1.86. Commercial Building Characteristics, 1986**

Building Characteristics	Total Floorspace (million square feet)	Buildings (thousand)	Floorspace per Building (square feet)	RSE Row Factors
	1.2	1.1	0.8	
RSE Column Factors:				
<b>All Buildings</b> .....	58,199	4,154	14,010	3.3
<b>Census Region</b>				
Northeast .....	11,830	663	17,836	6.3
Midwest .....	16,034	1,096	14,630	6.5
South .....	19,397	1,570	12,357	5.3
West .....	10,937	825	13,257	10.0
<b>Census Division</b>				
New England .....	3,374	189	17,873	15.6
Middle Atlantic .....	8,456	475	17,821	7.2
East North Central .....	11,002	738	14,905	7.8
West North Central .....	5,033	358	14,063	12.3
South Atlantic .....	9,362	659	14,202	8.9
East South Central .....	4,164	349	11,949	10.6
West South Central .....	5,871	562	10,446	7.7
Mountain .....	3,145	277	11,357	17.0
Pacific .....	7,792	548	14,217	11.6
<b>Principal Building Activity</b>				
Assembly .....	7,339	575	12,763	6.9
Education .....	7,292	241	30,233	7.3
Food Sales and Service .....	1,993	303	6,582	7.1
Health Care .....	2,107	52	40,515	16.4
Lodging .....	2,785	137	20,391	9.5
Mercantile and Service .....	12,805	1,287	9,946	5.9
Office .....	9,546	614	15,549	6.5
Warehouse .....	8,996	549	16,372	7.2
Other .....	2,406	157	15,296	11.2
Vacant .....	2,931	238	12,301	9.9
<b>Building Floorspace (square feet)</b>				
1,001 to 2,000 .....	1,197	778	1,539	3.4
2,001 to 5,000 .....	5,011	1,442	3,475	2.7
5,001 to 10,000 .....	6,861	931	7,368	2.4
10,001 to 25,000 .....	9,119	557	16,366	2.7
25,001 to 50,000 .....	8,661	242	35,732	3.4
50,001 to 100,000 .....	8,559	123	69,337	3.7
100,001 to 200,000 .....	7,161	51	139,213	5.2
200,001 to 500,000 .....	6,737	23	298,854	6.3
Over 500,000 .....	4,893	6	833,957	10.4
<b>Year Constructed</b>				
1899 or Before .....	1,967	152	12,935	12.7
1900 to 1919 .....	3,767	258	14,629	9.3
1920 to 1945 .....	8,894	662	13,438	5.8
1946 to 1959 .....	8,534	755	11,311	7.5
1960 to 1969 .....	11,117	749	14,835	5.5
1970 to 1979 .....	14,036	919	15,271	5.5
1980 to 1986 .....	9,883	660	14,985	7.2

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.  
 • See "Glossary" for definition of terms used in this report.  
 Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C2A.86. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1986**

Building Characteristics	All Buildings		Energy Sources						RSE Row Factors
			Any Energy Source		Electricity		Natural Gas		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
	0.9	1.0	0.9	1.0	0.9	1.0	1.2	1.2	
RSE Column Factors:	0.9	1.0	0.9	1.0	0.9	1.0	1.2	1.2	
All Buildings	4,154	58,199	3,994	56,835	3,965	56,508	2,214	37,263	3.4
Census Region									
Northeast	663	11,830	640	11,513	635	11,429	287	6,885	7.5
Midwest	1,096	16,034	1,036	15,728	1,028	15,680	721	12,424	6.3
South	1,570	19,397	1,518	18,885	1,506	18,753	719	10,426	5.9
West	825	10,937	800	10,708	796	10,647	487	7,528	10.7
Census Division									
New England	189	3,374	185	3,336	185	3,336	51	1,689	17.2
Middle Atlantic	475	8,456	454	8,177	449	8,093	236	5,197	8.4
East North Central	738	11,002	702	10,804	695	10,772	493	8,694	7.4
West North Central	358	5,033	335	4,924	333	4,907	228	3,729	11.8
South Atlantic	659	9,362	640	9,187	632	9,091	186	3,752	10.9
East South Central	349	4,164	338	3,960	338	3,960	171	2,346	11.8
West South Central	562	5,871	541	5,739	536	5,702	362	4,328	7.6
Mountain	277	3,145	263	3,056	261	3,054	187	2,213	18.3
Pacific	548	7,792	537	7,652	535	7,594	300	5,314	12.2
Principal Building Activity									
Assembly	575	7,339	574	7,309	571	7,287	335	5,021	7.1
Education	241	7,292	241	7,292	240	7,200	162	5,515	7.6
Food Sales and Service	303	1,993	303	1,993	302	1,989	199	1,414	7.6
Health Care	52	2,107	52	2,107	51	2,104	32	1,615	15.5
Lodging	137	2,785	137	2,785	137	2,785	69	1,868	10.1
Mercantile and Service	1,287	12,805	1,280	12,781	1,273	12,710	740	8,743	5.9
Office	614	9,546	610	9,532	607	9,499	349	5,726	6.6
Warehouse	549	8,996	491	8,558	487	8,540	177	4,852	8.6
Other	157	2,406	147	2,382	145	2,365	65	1,288	12.0
Vacant	238	2,931	160	2,096	152	2,030	86	1,222	9.9
Building Floorspace (square feet)									
1,001 to 2,000	778	1,197	727	1,120	724	1,116	333	515	7.7
2,001 to 5,000	1,442	5,011	1,388	4,826	1,374	4,784	718	2,492	5.4
5,001 to 10,000	931	6,861	901	6,638	893	6,588	539	4,024	4.6
10,001 to 25,000	557	9,119	542	8,880	540	8,843	345	5,700	5.1
25,001 to 50,000	242	8,661	239	8,551	238	8,499	147	5,274	6.2
50,001 to 100,000	123	8,559	118	8,217	118	8,178	74	5,172	7.1
100,001 to 200,000	51	7,161	51	7,128	51	7,042	38	5,251	8.8
200,001 to 500,000	23	6,737	23	6,737	23	6,730	17	5,204	10.3
Over 500,000	6	4,893	6	4,738	6	4,728	4	3,632	15.8
Year Constructed									
1899 or Before	152	1,967	147	1,916	146	1,910	99	1,118	14.3
1900 to 1919	258	3,767	239	3,622	232	3,553	148	2,514	10.3
1920 to 1945	662	8,894	628	8,362	624	8,317	405	5,654	6.2
1946 to 1959	755	8,534	724	8,246	719	8,126	429	5,838	7.8
1960 to 1969	749	11,117	731	11,040	727	11,011	426	7,639	6.4
1970 to 1979	919	14,036	898	13,951	893	13,927	444	8,923	5.7
1980 to 1986	660	9,883	628	9,696	623	9,665	263	5,577	7.0

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.  
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 Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C2B.86. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1986 (Continued)**

Building Characteristics	Energy Sources								RSE Row Factors
	Fuel Oil		District Heat		District Chilled Water		Propane		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
	0.7	0.7	1.1	1.0	1.3	1.3	1.0	1.1	
RSE Column Factors:	0.7	0.7	1.1	1.0	1.3	1.3	1.0	1.1	
All Buildings . . . . .	534	11,005	77	4,625	13	1,208	344	3,213	13.2
Census Region									
Northeast . . . . .	259	5,087	17	1,383	Q	200	53	785	19.0
Midwest . . . . .	107	2,040	22	1,798	5	435	98	658	24.7
South . . . . .	134	2,522	25	708	3	369	146	1,350	21.8
West . . . . .	35	1,356	13	736	Q	204	Q	420	33.3
Census Division									
New England . . . . .	109	2,096	5	326	Q	Q	15	275	30.3
Middle Atlantic . . . . .	150	2,992	12	1,058	Q	Q	38	510	20.6
East North Central . . . . .	87	1,632	12	1,037	Q	89	54	461	28.5
West North Central . . . . .	20	409	10	761	5	347	Q	197	34.5
South Atlantic . . . . .	103	2,143	11	467	Q	175	95	915	27.8
East South Central . . . . .	26	205	Q	52	Q	Q	39	255	33.0
West South Central . . . . .	5	173	Q	188	Q	Q	12	Q	42.2
Mountain . . . . .	11	168	7	182	Q	Q	Q	Q	41.3
Pacific . . . . .	24	1,188	7	554	Q	Q	Q	412	40.4
Principal Building Activity									
Assembly . . . . .	72	1,504	9	471	Q	101	77	582	24.4
Education . . . . .	33	1,680	9	828	Q	Q	13	366	24.3
Food Sales and Service . . . . .	29	176	1	50	Q	Q	44	265	27.3
Health Care . . . . .	10	971	4	557	2	266	6	151	30.4
Lodging . . . . .	17	525	8	446	Q	Q	35	381	28.8
Mercantile and Service . . . . .	208	2,424	11	161	Q	Q	94	639	22.0
Office . . . . .	74	1,763	18	1,452	4	394	19	104	24.3
Warehouse . . . . .	52	1,158	4	189	Q	Q	28	431	25.1
Other . . . . .	26	619	9	299	Q	Q	20	Q	33.8
Vacant . . . . .	12	185	Q	173	*	*	8	100	47.9
Building Floorspace (square feet)									
1,001 to 2,000 . . . . .	76	116	Q	Q	Q	Q	86	134	22.6
2,001 to 5,000 . . . . .	171	587	16	57	*	*	134	479	11.9
5,001 to 10,000 . . . . .	139	1,009	5	36	Q	Q	65	467	19.6
10,001 to 25,000 . . . . .	69	1,103	19	312	Q	Q	32	522	18.2
25,001 to 50,000 . . . . .	41	1,460	12	429	3	97	14	490	19.6
50,001 to 100,000 . . . . .	21	1,405	11	746	2	137	10	597	24.1
100,001 to 200,000 . . . . .	8	1,217	6	777	1	153	2	251	27.2
200,001 to 500,000 . . . . .	7	2,169	4	1,304	1	493	*	133	28.1
Over 500,000 . . . . .	2	1,941	1	956	*	275	*	142	32.7
Year Constructed									
1899 or Before . . . . .	38	797	Q	135	Q	Q	11	152	37.4
1900 to 1919 . . . . .	52	924	11	552	Q	Q	19	167	29.6
1920 to 1945 . . . . .	97	1,848	17	1,083	Q	Q	44	430	21.1
1946 to 1959 . . . . .	111	1,707	9	459	2	132	62	421	22.8
1960 to 1969 . . . . .	93	1,854	19	1,125	1	163	73	568	23.2
1970 to 1979 . . . . .	102	2,355	12	1,013	2	487	71	920	20.6
1980 to 1986 . . . . .	41	1,519	7	258	Q	145	65	555	27.0

\* = Value rounds to zero in the units displayed.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

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Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C3.86. Energy Sources Used for Space Heating in Commercial Buildings, Number of Buildings and Total Floorspace, 1986**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	Any Energy Source		Electricity		Natural Gas		Fuel Oil		District Heat		Propane		
	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	
RSE Column Factors:	0.5	0.5	0.8	0.9	0.6	0.7	1.1	1.2	1.8	1.6	1.9	2.0	
All Buildings	3,626	53,915	1,166	18,223	2,018	31,542	504	8,708	74	4,389	250	1,819	7.1
Census Region													
Northeast	596	11,238	129	2,480	245	5,094	247	4,467	17	1,358	25	331	12.7
Midwest	960	15,201	165	3,740	686	10,940	98	1,397	22	1,776	80	400	13.5
South	1,388	17,527	610	8,266	663	9,188	128	2,078	24	660	119	926	12.0
West	682	9,949	263	3,738	424	6,319	30	765	11	594	Q	Q	20.7
Census Division													
New England	178	3,290	30	703	39	1,124	108	1,765	5	321	Q	Q	24.1
Middle Atlantic	418	7,948	98	1,777	206	3,971	139	2,702	11	1,037	21	302	14.6
East North Central	647	10,467	110	2,519	470	7,590	80	1,095	12	1,031	43	237	17.1
West North Central	312	4,734	55	1,221	215	3,350	19	302	10	745	Q	164	20.9
South Atlantic	585	8,537	293	4,321	167	3,238	100	1,803	11	433	74	556	16.9
East South Central	318	3,651	137	1,838	161	2,113	25	163	Q	Q	33	202	23.0
West South Central	485	5,340	180	2,106	336	3,836	Q	113	Q	188	11	Q	18.1
Mountain	235	2,886	87	1,194	168	1,957	10	70	6	161	Q	Q	27.1
Pacific	447	7,063	176	2,543	256	4,363	21	695	6	433	Q	Q	25.5
Principal Building Activity													
Assembly	536	7,088	160	2,098	309	4,227	70	1,377	8	451	66	456	13.9
Education	235	7,236	74	1,592	146	4,587	32	1,627	9	814	8	88	15.5
Food Sales and Service	288	1,924	95	773	163	1,173	23	145	Q	Q	19	Q	17.3
Health Care	52	2,086	19	583	28	1,307	9	728	3	507	Q	Q	27.1
Lodging	131	2,719	66	1,315	45	1,097	15	402	8	446	18	108	19.9
Mercantile and Service	1,194	12,394	314	4,069	701	7,911	204	1,800	11	156	76	454	12.0
Office	600	9,460	237	3,586	329	4,933	69	911	17	1,369	17	63	13.5
Warehouse	336	7,052	123	2,631	164	4,431	46	1,080	4	156	23	305	17.1
Other	128	2,183	47	1,002	59	944	24	459	8	286	14	Q	22.1
Vacant	126	1,773	32	576	76	933	12	178	Q	173	7	63	25.7
Building Floorspace (square feet)													
1,001 to 2,000	629	971	201	314	303	466	72	111	Q	Q	71	110	14.2
2,001 to 5,000	1,224	4,259	380	1,376	668	2,312	167	569	15	57	107	375	12.2
5,001 to 10,000	845	6,236	266	1,945	498	3,710	131	959	5	36	41	299	10.8
10,001 to 25,000	514	8,423	171	2,810	310	5,152	67	1,059	17	286	21	338	10.5
25,001 to 50,000	224	8,002	77	2,794	132	4,696	37	1,353	11	398	4	159	12.8
50,001 to 100,000	113	7,835	47	3,312	61	4,342	16	1,057	10	726	6	347	14.5
100,001 to 200,000	49	6,850	15	2,150	31	4,235	7	1,026	6	770	Q	Q	15.7
200,001 to 500,000	22	6,616	7	1,946	14	4,170	6	1,807	3	1,202	Q	Q	18.4
Over 500,000	6	4,725	2	1,576	3	2,459	1	767	1	905	Q	Q	27.9
Year Constructed													
1899 or Before	140	1,893	30	708	88	875	37	742	Q	135	7	Q	26.7
1900 to 1919	225	3,429	35	445	135	2,082	51	814	11	544	14	Q	20.2
1920 to 1945	569	7,807	111	1,619	375	4,687	92	1,647	16	992	26	223	13.4
1946 to 1959	655	7,856	174	1,902	394	5,190	104	1,560	8	433	47	191	14.3
1960 to 1969	664	10,487	196	3,136	395	6,543	86	1,539	18	1,061	57	288	12.9
1970 to 1979	812	13,241	345	5,786	399	7,293	93	1,794	12	991	53	563	11.6
1980 to 1986	560	9,202	275	4,628	234	4,873	39	611	6	233	48	293	14.5

Q = Data withheld because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.  
Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.  
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Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C4.86. Energy Sources Used for Cooling in Commercial Buildings, Number of Buildings and Total Floorspace, 1986**

Building Characteristics	Energy Sources								RSE Row Factors
	Any Energy Source		Electricity		Natural Gas		District Chilled Water		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
	0.5	0.5	0.5	0.6	1.5	1.7	2.2	2.3	
RSE Column Factors:	0.5	0.5	0.5	0.6	1.5	1.7	2.2	2.3	
All Buildings	2,853	46,127	2,712	42,145	139	2,862	13	1,141	7.4
Census Region									
Northeast	385	8,541	364	7,658	23	503	Q	200	15.6
Midwest	665	12,493	616	11,105	45	892	5	393	12.4
South	1,255	16,732	1,222	15,894	34	742	3	358	11.9
West	548	8,361	510	7,489	38	725	Q	190	17.1
Census Division									
New England	102	2,415	98	2,176	Q	Q	Q	Q	36.0
Middle Atlantic	284	6,126	266	5,482	20	408	Q	Q	16.6
East North Central	425	8,329	393	7,616	32	614	*	52	12.5
West North Central	240	4,164	223	3,489	12	278	4	341	21.8
South Atlantic	516	8,015	497	7,517	20	455	Q	175	18.3
East South Central	290	3,543	288	3,460	Q	Q	Q	Q	22.3
West South Central	449	5,174	437	4,917	12	155	Q	Q	17.9
Mountain	212	2,603	196	2,391	16	173	Q	Q	26.9
Pacific	335	5,758	314	5,097	22	552	Q	Q	18.3
Principal Building Activity									
Assembly	404	5,666	380	5,128	25	455	Q	96	14.8
Education	171	5,773	163	5,134	7	361	Q	Q	18.7
Food Sales and Service	276	1,843	261	1,744	15	92	Q	Q	15.3
Health Care	49	2,089	45	1,810	Q	74	Q	227	26.8
Lodging	101	2,299	96	2,013	Q	Q	Q	Q	23.1
Mercantile and Service	884	10,384	855	10,032	33	420	Q	Q	11.5
Office	574	9,326	537	8,428	31	404	4	373	13.3
Warehouse	213	5,696	201	5,133	14	589	Q	Q	20.1
Other	85	1,780	80	1,546	7	Q	Q	Q	26.4
Vacant	97	1,271	95	1,177	Q	Q	*	*	23.8
Building Floorspace (square feet)									
1,001 to 2,000	454	707	436	677	18	29	Q	Q	16.0
2,001 to 5,000	946	3,290	905	3,158	40	132	*	*	5.9
5,001 to 10,000	667	4,950	635	4,707	35	268	Q	Q	9.5
10,001 to 25,000	428	7,014	402	6,572	26	439	Q	Q	10.6
25,001 to 50,000	192	6,801	180	6,355	11	424	3	97	13.0
50,001 to 100,000	98	6,810	94	6,443	4	271	2	114	16.4
100,001 to 200,000	43	6,043	38	5,322	4	512	1	145	17.7
200,001 to 500,000	21	6,292	18	5,213	2	534	1	471	19.2
Over 500,000	5	4,220	4	3,699	Q	Q	*	261	25.9
Year Constructed									
1899 or Before	95	1,491	91	1,411	Q	Q	Q	Q	31.1
1900 to 1919	143	2,453	137	2,127	Q	Q	Q	Q	24.0
1920 to 1945	444	5,967	416	5,314	25	344	Q	Q	13.7
1946 to 1959	500	6,386	474	5,982	29	374	2	105	15.2
1960 to 1969	531	8,889	502	8,186	31	519	1	156	13.0
1970 to 1979	679	12,345	650	10,820	31	1,173	2	470	12.5
1980 to 1986	462	8,597	442	8,306	17	194	Q	132	14.9

\* = Value rounds to zero in the units displayed.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C5.86. End Uses for All Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1986**

Building Characteristics	All Buildings		End Uses										RSE Row Fac tors
			Space Heating		Water Heating		Cooling		Cooking		Manufacturing		
	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	
	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	1.2	1.4	2.6	2.2	
RSE Column Factors:	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.8	1.2	1.4	2.6	2.2	
All Buildings	4,154	58,199	3,626	53,915	2,857	48,189	2,853	46,127	560	17,050	130	3,056	4.3
Census Region													
Northeast	663	11,830	596	11,238	484	9,971	385	8,541	107	4,021	17	553	9.1
Midwest	1,096	16,034	960	15,201	776	14,000	665	12,493	149	4,643	35	973	8.2
South	1,570	19,397	1,388	17,527	996	14,709	1,255	16,732	186	5,328	52	973	7.5
West	825	10,937	682	9,949	602	9,509	548	8,361	118	3,058	26	558	12.6
Census Division													
New England	189	3,374	178	3,290	142	3,036	102	2,415	24	1,302	5	253	19.5
Middle Atlantic	475	8,456	418	7,948	341	6,935	284	6,126	84	2,720	11	300	10.2
East North Central	738	11,002	647	10,467	529	9,647	425	8,329	106	3,335	25	736	9.3
West North Central	358	5,033	312	4,734	247	4,354	240	4,164	42	1,308	10	236	15.9
South Atlantic	659	9,362	585	8,537	421	7,128	516	8,015	78	2,527	15	370	11.4
East South Central	349	4,164	318	3,651	233	3,280	290	3,543	43	1,294	11	163	14.0
West South Central	562	5,871	485	5,340	342	4,301	449	5,174	65	1,507	26	439	12.1
Mountain	277	3,145	235	2,886	201	2,642	212	2,603	33	741	Q	132	20.9
Pacific	548	7,792	447	7,063	401	6,867	335	5,758	84	2,317	22	427	14.3
Principal Building Activity													
Assembly	575	7,339	536	7,088	445	6,552	404	5,666	89	2,392	Q	44	9.8
Education	241	7,292	235	7,236	184	6,862	171	5,773	66	3,981	4	149	11.0
Food Sales and Service	303	1,993	288	1,924	285	1,921	276	1,843	231	1,557	Q	Q	6.9
Health Care	52	2,107	52	2,086	49	2,079	49	2,089	12	1,736	Q	Q	19.6
Lodging	137	2,785	131	2,719	133	2,755	101	2,299	38	1,518	Q	Q	13.2
Mercantile and Service	1,287	12,805	1,194	12,394	816	9,912	884	10,384	73	2,715	46	489	8.6
Office	614	9,546	600	9,460	528	8,826	574	9,326	20	2,278	8	533	9.3
Warehouse	549	8,996	336	7,052	211	5,840	213	5,696	6	233	46	1,178	12.8
Other	157	2,406	128	2,183	101	1,867	85	1,780	14	467	11	288	16.1
Vacant	238	2,931	126	1,773	106	1,575	97	1,271	10	171	9	221	15.7
Building Floorspace (square feet)													
1,001 to 2,000	778	1,197	629	971	406	629	454	707	64	98	28	43	10.8
2,001 to 5,000	1,442	5,011	1,224	4,259	921	3,214	946	3,290	178	627	23	79	7.6
5,001 to 10,000	931	6,861	845	6,236	699	5,193	667	4,950	111	814	27	192	7.2
10,001 to 25,000	557	9,119	514	8,423	450	7,414	428	7,014	82	1,372	31	578	7.1
25,001 to 50,000	242	8,661	224	8,002	207	7,398	192	6,801	50	1,795	11	394	8.1
50,001 to 100,000	123	8,559	113	7,835	103	7,181	98	6,810	38	2,657	5	374	9.1
100,001 to 200,000	51	7,161	49	6,850	44	6,236	43	6,043	21	2,983	4	539	10.2
200,001 to 500,000	23	6,737	22	6,616	22	6,471	21	6,292	12	3,647	2	560	12.0
Over 500,000	6	4,893	6	4,725	5	4,452	5	4,220	3	3,057	Q	299	20.1
Year Constructed													
1899 or Before	152	1,967	140	1,893	108	1,649	95	1,491	29	558	Q	Q	19.0
1900 to 1919	258	3,767	225	3,429	160	3,087	143	2,453	31	858	10	267	14.5
1920 to 1945	662	8,894	569	7,807	454	6,895	444	5,967	89	2,171	28	460	8.6
1946 to 1959	755	8,534	655	7,856	502	6,683	500	6,386	90	2,015	19	396	10.0
1960 to 1969	749	11,117	664	10,487	544	9,617	531	8,889	97	3,734	24	608	8.4
1970 to 1979	919	14,036	812	13,241	643	11,918	679	12,345	132	4,459	25	746	7.7
1980 to 1986	660	9,883	560	9,202	446	8,340	462	8,597	92	3,254	23	561	9.2

Q = Data withheld because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.  
 Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.  
 • See "Glossary" for definition of terms used in this report.  
 Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C6.86. End Uses for Electricity Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1986**

Building Characteristics	End Uses								RSE Row Factors
	Space Heating		Water Heating		Cooling		Cooking		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
	0.9	1.1	0.9	1.0	0.6	0.7	1.5	1.6	
RSE Column Factors:	0.9	1.1	0.9	1.0	0.6	0.7	1.5	1.6	
All Buildings	1,166	18,223	1,387	20,956	2,712	42,145	232	7,207	5.3
Census Region									
Northeast	129	2,480	217	3,880	364	7,658	41	1,467	10.8
Midwest	165	3,740	307	5,271	616	11,105	59	1,696	10.7
South	610	8,266	617	8,435	1,222	15,894	95	2,826	8.5
West	263	3,738	246	3,370	510	7,489	36	1,218	15.0
Census Division									
New England	30	703	80	1,461	98	2,176	11	440	21.0
Middle Atlantic	98	1,777	137	2,420	266	5,482	30	1,027	12.4
East North Central	110	2,519	216	3,545	393	7,616	45	1,246	13.1
West North Central	55	1,221	91	1,726	223	3,489	15	451	16.6
South Atlantic	293	4,321	292	4,784	497	7,517	45	1,398	11.5
East South Central	137	1,838	162	1,877	288	3,460	23	793	19.6
West South Central	180	2,106	163	1,775	437	4,917	28	634	13.9
Mountain	87	1,194	86	1,023	196	2,391	13	199	22.5
Pacific	176	2,543	160	2,347	314	5,097	23	1,019	17.5
Principal Building Activity									
Assembly	160	2,098	213	2,702	380	5,128	41	871	11.2
Education	74	1,592	64	1,622	163	5,134	33	1,679	12.3
Food Sales and Service	95	773	104	688	261	1,744	83	561	12.6
Health Care	19	583	20	Q	45	1,810	2	638	27.7
Lodging	66	1,315	44	507	96	2,013	11	376	17.7
Mercantile and Service	314	4,069	449	6,143	855	10,032	40	1,294	9.8
Office	237	3,586	283	4,057	537	8,428	11	1,453	10.4
Warehouse	123	2,631	128	3,360	201	5,133	Q	154	15.5
Other	47	1,002	44	832	80	1,546	4	115	21.1
Vacant	32	576	38	531	95	1,177	Q	Q	19.8
Building Floorspace (square feet)									
1,001 to 2,000	201	314	200	308	436	677	25	39	11.3
2,001 to 5,000	380	1,376	464	1,625	905	3,158	80	283	8.5
5,001 to 10,000	266	1,945	348	2,579	635	4,707	43	322	8.3
10,001 to 25,000	171	2,810	211	3,455	402	6,572	33	531	8.9
25,001 to 50,000	77	2,794	90	3,159	180	6,355	17	626	10.3
50,001 to 100,000	47	3,312	47	3,321	94	6,443	17	1,160	12.0
100,001 to 200,000	15	2,150	17	2,368	38	5,322	10	1,461	13.8
200,001 to 500,000	7	1,946	6	1,761	18	5,213	5	1,372	15.6
Over 500,000	2	1,576	3	2,380	4	3,699	2	1,413	24.7
Year Constructed									
1899 or Before	30	708	38	627	91	1,411	9	162	24.7
1900 to 1919	35	445	54	1,110	137	2,127	12	256	20.8
1920 to 1945	111	1,619	179	2,303	416	5,314	33	783	11.7
1946 to 1959	174	1,902	218	2,431	474	5,982	35	792	11.8
1960 to 1969	196	3,136	236	3,267	502	8,186	37	1,484	10.1
1970 to 1979	345	5,786	373	5,840	650	10,820	61	2,147	8.9
1980 to 1986	275	4,628	288	5,376	442	8,306	45	1,583	10.9

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.

**Table C7.86. End Uses for Natural Gas Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1986**

Building Characteristics	End Uses								RSE Row Factors
	Space Heating		Water Heating		Cooling		Cooking		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
	0.7	0.7	0.7	0.8	1.6	1.9	1.1	1.2	
RSE Column Factors:	0.7	0.7	0.7	0.8	1.6	1.9	1.1	1.2	
All Buildings	2,018	31,542	1,323	24,498	139	2,862	315	10,780	6.2
Census Region									
Northeast	245	5,094	175	3,659	23	503	54	2,618	15.4
Midwest	686	10,940	439	8,391	45	892	94	3,427	11.0
South	663	9,188	363	6,657	34	742	90	2,796	10.9
West	424	6,319	346	5,791	38	725	77	1,938	14.4
Census Division									
New England	39	1,124	25	702	Q	Q	8	860	41.6
Middle Atlantic	206	3,971	151	2,958	20	408	46	1,758	15.8
East North Central	470	7,590	298	6,069	32	614	72	2,655	12.9
West North Central	215	3,350	141	2,322	12	278	23	773	18.8
South Atlantic	167	3,238	106	2,345	20	455	29	1,177	21.3
East South Central	161	2,113	73	1,532	Q	Q	17	589	17.1
West South Central	336	3,836	185	2,780	12	155	44	1,030	15.2
Mountain	168	1,957	120	1,573	16	173	20	521	19.2
Pacific	256	4,363	226	4,218	22	552	57	1,417	17.1
Principal Building Activity									
Assembly	309	4,227	214	3,652	25	455	42	1,421	13.5
Education	146	4,587	112	4,445	7	361	37	2,542	15.8
Food Sales and Service	163	1,173	163	1,143	15	92	140	991	12.5
Health Care	28	1,307	26	1,269	Q	74	9	1,254	22.5
Lodging	45	1,097	62	1,677	Q	Q	24	1,085	19.2
Mercantile and Service	701	7,911	342	4,217	33	420	32	1,756	12.6
Office	329	4,933	217	3,786	31	404	12	1,157	13.8
Warehouse	164	4,431	81	2,581	14	589	Q	81	21.3
Other	59	944	49	826	7	Q	9	371	24.1
Vacant	76	933	57	903	Q	Q	6	122	24.1
Building Floorspace (square feet)									
1,001 to 2,000	303	466	177	279	18	29	39	60	15.9
2,001 to 5,000	668	2,312	402	1,387	40	132	92	319	10.2
5,001 to 10,000	498	3,710	319	2,389	35	268	60	457	10.4
10,001 to 25,000	310	5,152	230	3,770	26	439	49	816	10.2
25,001 to 50,000	132	4,696	102	3,729	11	424	30	1,062	11.4
50,001 to 100,000	61	4,342	53	3,689	4	271	23	1,609	12.7
100,001 to 200,000	31	4,235	25	3,532	4	512	11	1,662	14.4
200,001 to 500,000	14	4,170	13	3,756	2	534	8	2,430	17.4
Over 500,000	3	2,459	2	1,968	Q	Q	3	2,364	25.9
Year Constructed									
1899 or Before	88	875	61	657	Q	Q	21	387	25.5
1900 to 1919	135	2,082	85	1,648	Q	Q	16	513	19.9
1920 to 1945	375	4,687	238	3,751	25	344	51	1,277	13.3
1946 to 1959	394	5,190	256	3,962	29	374	55	1,475	12.7
1960 to 1969	395	6,543	288	5,486	31	519	58	2,458	11.2
1970 to 1979	399	7,293	250	5,954	31	1,173	71	2,701	12.1
1980 to 1986	234	4,873	145	3,040	17	194	44	1,968	14.6

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.



**Table C8.86. End Uses for Fuel Oil and District Heat Energy Sources in Commercial Buildings, Number of Building and Total Floorspace, 1986**

Building Characteristics	Fuel Oil End Uses				District Heat End Uses				RSE Row Factors
	Space Heating		Water Heating		Space Heating		Water Heating		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
	0.7	0.7	1.0	1.0	1.2	1.0	1.2	1.2	
RSE Column Factors:	0.7	0.7	1.0	1.0	1.2	1.0	1.2	1.2	
All Buildings	504	8,708	132	4,045	74	4,389	33	3,286	10.6
Census Region									
Northeast	247	4,467	99	2,641	17	1,358	7	1,038	13.7
Midwest	98	1,397	9	465	22	1,776	12	1,394	24.4
South	128	2,078	19	679	24	660	6	325	24.9
West	30	765	5	259	11	594	8	529	35.5
Census Division									
New England	108	1,765	46	969	5	321	2	205	22.8
Middle Atlantic	139	2,702	53	1,673	11	1,037	5	833	17.3
East North Central	80	1,095	8	351	12	1,031	5	752	29.8
West North Central	19	302	Q	Q	10	745	7	642	32.1
South Atlantic	100	1,803	18	608	11	433	Q	182	26.4
East South Central	25	163	Q	Q	Q	Q	Q	Q	37.4
West South Central	Q	113	Q	Q	Q	188	Q	Q	44.3
Mountain	10	70	Q	Q	6	161	3	137	36.3
Pacific	21	695	Q	240	6	433	5	393	42.2
Principal Building Activity									
Assembly	70	1,377	18	426	8	451	5	365	24.5
Education	32	1,627	15	975	9	814	5	556	21.9
Food Sales and Service	23	145	8	54	Q	Q	Q	Q	29.9
Health Care	9	728	2	607	3	507	2	348	26.7
Lodging	15	402	10	371	8	446	6	412	29.8
Mercantile and Service	204	1,800	34	423	11	156	Q	32	23.4
Office	69	911	29	584	17	1,369	5	1,100	21.7
Warehouse	46	1,080	Q	193	4	156	Q	Q	28.5
Other	24	459	6	290	8	286	5	205	33.8
Vacant	12	178	5	Q	Q	173	Q	Q	53.8
Building Floorspace (square feet)									
1,001 to 2,000	72	111	Q	Q	Q	Q	Q	Q	20.9
2,001 to 5,000	167	569	34	131	15	57	Q	Q	24.5
5,001 to 10,000	131	959	34	238	5	36	Q	Q	20.8
10,001 to 25,000	67	1,059	22	363	17	286	7	116	20.9
25,001 to 50,000	37	1,353	20	735	11	398	7	237	18.9
50,001 to 100,000	16	1,057	7	401	10	726	8	548	19.9
100,001 to 200,000	7	1,026	4	597	6	770	4	556	21.8
200,001 to 500,000	6	1,807	4	1,225	3	1,202	3	1,002	22.6
Over 500,000	1	767	*	346	1	905	1	814	31.9
Year Constructed									
1899 or Before	37	742	9	316	Q	135	Q	Q	37.0
1900 to 1919	51	814	19	432	11	544	5	340	26.5
1920 to 1945	92	1,647	29	811	16	992	9	751	22.0
1946 to 1959	104	1,560	26	551	8	433	5	274	19.6
1960 to 1969	86	1,539	23	828	18	1,061	8	947	22.1
1970 to 1979	93	1,794	19	866	12	991	5	693	21.8
1980 to 1986	39	611	7	241	6	233	2	177	27.8

\* = Value rounds to zero in the units displayed.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871 of the 1986 Nonresidential Buildings Energy Consumption Survey.