

**Table C14A.86p. Total Primary Consumption and Number of Buildings for All End Uses by Energy Source in Commercial Buildings, 1986**

Building Characteristics	All Build- ings	Energy Sources										RSE Row Fac- tors
		All Major Sources		Electricity		Natural Gas		Fuel Oil		District Heat		
	Total Number (thou- sand)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	
	0.5	0.5	0.8	0.5	0.9	0.7	1.0	1.5	1.7	2.1	2.5	
RSE Column Factors:	0.5	0.5	0.8	0.5	0.9	0.7	1.0	1.5	1.7	2.1	2.5	
All Buildings	4,154	3,988	9,906	3,965	7,319	2,214	1,723	534	442	77	422	6.8
Census Region												
Northeast	663	639	1,923	635	1,315	287	244	259	270	17	94	12.0
Midwest	1,096	1,036	2,788	1,028	1,787	721	742	107	63	22	196	13.0
South	1,570	1,514	3,247	1,506	2,654	719	426	134	86	25	81	12.1
West	825	798	1,948	796	1,562	487	311	35	Q	13	51	17.6
Census Division												
New England	189	185	467	185	295	51	40	109	104	5	Q	19.7
Middle Atlantic	475	454	1,456	449	1,020	236	204	150	166	12	66	14.8
East North Central	738	701	1,832	695	1,204	493	529	87	31	12	68	13.0
West North Central	358	335	956	333	583	228	213	20	Q	10	128	21.1
South Atlantic	659	636	1,707	632	1,423	186	156	103	80	11	49	18.9
East South Central	349	338	546	338	440	171	91	Q	Q	Q	Q	18.9
West South Central	562	541	994	536	792	362	179	Q	Q	Q	Q	15.7
Mountain	277	263	795	261	643	187	143	11	2	Q	7	28.6
Pacific	548	536	1,153	535	919	300	168	24	Q	7	44	19.8
Principal Building Activity												
Assembly	575	572	732	571	502	335	157	72	42	9	31	12.7
Education	241	241	1,001	240	548	162	254	33	103	9	97	13.5
Food Sales and Service	303	303	846	302	672	199	159	29	6	Q	Q	12.6
Health Care	52	51	728	51	404	32	205	10	Q	4	80	20.3
Lodging	137	137	547	137	368	69	105	17	20	8	Q	17.5
Mercantile and Service	1,287	1,280	2,091	1,273	1,641	740	332	208	105	Q	12	11.5
Office	614	608	2,330	607	1,962	349	258	74	39	18	71	12.7
Warehouse	549	490	981	487	771	177	143	52	48	4	Q	16.0
Other	157	146	487	145	347	65	71	26	31	9	38	19.1
Vacant	238	160	162	152	106	86	38	Q	Q	Q	Q	20.0
Building Floorspace (square feet)												
1,001 to 2,000	778	727	296	724	227	333	58	76	9	6	2	14.8
2,001 to 5,000	1,442	1,383	1,169	1,374	924	718	190	171	43	Q	Q	11.6
5,001 to 10,000	931	900	1,155	893	850	539	236	139	62	Q	Q	10.0
10,001 to 25,000	557	541	1,357	540	957	345	305	69	60	19	35	11.0
25,001 to 50,000	242	239	1,301	238	956	147	191	41	101	12	54	12.1
50,001 to 100,000	123	118	1,262	118	927	74	220	21	45	11	70	12.7
100,001 to 200,000	51	51	1,090	51	763	38	180	8	59	6	89	15.9
200,001 to 500,000	23	23	1,313	23	941	17	229	7	44	4	99	17.5
Over 500,000	6	6	961	6	774	4	114	2	Q	1	55	24.9
Year Constructed												
1899 or Before	152	147	178	146	103	99	46	38	20	Q	Q	22.7
1900 to 1919	258	237	463	232	297	148	96	52	33	11	37	17.8
1920 to 1945	662	628	1,117	624	637	405	274	97	108	17	97	11.7
1946 to 1959	755	724	1,180	719	805	429	261	111	78	9	36	12.1
1960 to 1969	749	731	2,323	727	1,743	426	389	93	88	19	103	12.2
1970 to 1979	919	898	2,942	893	2,295	444	448	102	90	12	109	11.9
1980 to 1986	660	624	1,703	623	1,439	263	208	41	24	Q	Q	11.2

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 C14A.89s. Total Site Consumption and Number of Buildings for All End Uses by Energy Source in Commercial Buildings, 1989**

Building Characteristics	All Build- ings	Energy Sources										RSE Row Fac- tors
		All Major Sources		Electricity		Natural Gas		Fuel Oil		District Heat		
	Total Number (thou- sand)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	
	0.5	0.5	0.9	0.5	0.8	0.7	1.0	1.5	1.8	2.0	2.5	
RSE Column Factors:	0.5	0.5	0.9	0.5	0.8	0.7	1.0	1.5	1.8	2.0	2.5	
All Buildings	4,528	4,298	5,788	4,294	2,773	2,420	2,073	581	357	98	585	7.5
Census Region												
Northeast	783	752	1,354	751	586	355	353	305	237	29	179	15.3
Midwest	1,046	1,003	1,659	1,001	609	734	831	87	61	16	159	12.5
South	1,847	1,724	1,648	1,723	975	806	498	156	50	31	126	14.2
West	851	819	1,126	819	604	525	391	33	9	23	121	13.8
Census Division												
New England	184	177	298	177	115	53	39	104	92	7	Q	22.4
Middle Atlantic	599	575	1,056	574	470	302	314	201	145	21	127	18.2
East North Central	686	657	1,086	656	399	499	561	56	38	9	88	16.4
West North Central	360	345	573	345	210	236	270	32	23	7	71	23.1
South Atlantic	737	692	682	692	416	187	198	123	42	4	Q	22.0
East South Central	397	381	373	381	215	168	126	25	6	Q	Q	30.5
West South Central	712	651	594	651	344	451	174	Q	Q	15	73	19.5
Mountain	322	300	450	300	179	204	197	9	Q	11	73	28.1
Pacific	529	519	676	519	425	320	195	23	7	12	49	15.3
Principal Building Activity												
Assembly	617	614	441	614	186	345	174	98	31	15	49	14.8
Education	282	282	704	282	217	199	323	38	71	16	93	15.3
Food Sales and Service	343	343	394	343	218	248	155	36	18	Q	Q	14.8
Health Care	80	80	449	80	154	40	186	13	17	4	92	23.7
Lodging	140	140	425	140	138	101	187	15	10	13	90	17.5
Mercantile and Service	1,278	1,278	1,048	1,276	550	732	417	219	75	2	6	11.4
Office	679	679	1,230	679	781	394	238	67	43	23	167	11.0
Warehouse	618	544	536	543	243	207	206	49	53	7	Q	17.2
Other	157	156	464	156	247	71	137	32	30	10	49	24.5
Vacant	333	183	98	182	39	84	49	14	7	Q	3	24.6
Building Floorspace (square feet)												
1,001 to 2,000	1,012	921	210	919	101	437	89	117	19	Q	Q	13.0
2,001 to 5,000	1,517	1,442	482	1,441	224	788	213	185	40	7	Q	9.4
5,001 to 10,000	890	855	567	855	246	532	265	97	41	15	14	13.2
10,001 to 25,000	644	622	791	622	381	355	278	95	69	30	63	11.4
25,001 to 50,000	247	243	756	243	331	153	309	36	47	13	69	12.1
50,001 to 100,000	127	125	855	125	433	88	249	23	54	11	119	15.2
100,001 to 200,000	61	60	777	60	387	45	238	17	46	8	106	17.1
200,001 to 500,000	23	23	698	23	366	17	228	6	28	5	76	22.2
Over 500,000	7	7	652	7	303	6	203	3	12	2	133	23.8
Year Constructed												
1899 or Before	172	162	128	162	25	98	53	31	17	Q	Q	23.1
1900 to 1919	242	223	239	223	75	152	123	35	26	8	15	18.9
1920 to 1945	680	631	636	631	211	396	244	137	69	21	112	13.8
1946 to 1959	868	823	988	823	379	512	411	141	77	18	121	13.4
1960 to 1969	821	777	1,275	775	589	454	458	95	73	22	156	14.0
1970 to 1979	884	855	1,342	855	730	420	441	90	61	11	110	12.4
1980 to 1989	861	827	1,180	827	765	388	344	52	34	14	38	12.5

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

Notes: • To obtain the RSE percentage for any table cell, multiply the 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 1989 Nonresidential Buildings Energy Consumption Survey.

**Table C14B.86p. Total Primary Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1986**

Building Characteristics	All Buildings	Energy Sources										RSE Row Factors
		All Major Sources		Electricity		Natural Gas		Fuel Oil		District Heat		
	Floor-space (million sq.ft.)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	
	RSE Column Factors:	0.5	0.6	0.8	0.6	0.9	0.7	1.0	1.3	1.7	2.1	
All Buildings	58,199	56,807	9,906	56,508	7,319	37,263	1,723	11,005	442	4,625	422	6.2
Census Region												
Northeast	11,830	11,506	1,923	11,429	1,315	6,885	244	5,087	270	1,383	94	11.7
Midwest	16,034	15,727	2,788	15,680	1,787	12,424	742	2,040	63	1,798	196	11.3
South	19,397	18,870	3,247	18,753	2,654	10,426	426	2,522	86	708	81	11.1
West	10,937	10,703	1,948	10,647	1,562	7,528	311	Q	Q	736	51	15.5
Census Division												
New England	3,374	3,336	467	3,336	295	1,689	40	2,096	104	326	Q	20.5
Middle Atlantic	8,456	8,171	1,456	8,093	1,020	5,197	204	2,992	166	1,058	66	13.9
East North Central	11,002	10,803	1,832	10,772	1,204	8,694	529	1,632	31	1,037	68	11.0
West North Central	5,033	4,924	956	4,907	583	3,729	213	409	Q	761	128	20.5
South Atlantic	9,362	9,172	1,707	9,091	1,423	3,752	156	2,143	80	467	49	16.7
East South Central	4,164	3,960	546	3,960	440	2,346	91	Q	Q	52	Q	20.9
West South Central	5,871	5,739	994	5,702	792	4,328	179	Q	Q	Q	Q	13.3
Mountain	3,145	3,056	795	3,054	643	2,213	143	168	2	182	7	24.1
Pacific	7,792	7,647	1,153	7,594	919	5,314	168	Q	Q	554	44	18.5
Principal Building Activity												
Assembly	7,339	7,305	732	7,287	502	5,021	157	1,504	42	471	31	13.6
Education	7,292	7,292	1,001	7,200	548	5,515	254	1,680	103	828	97	13.2
Food Sales and Service	1,993	1,993	846	1,989	672	1,414	159	176	6	Q	Q	14.3
Health Care	2,107	2,104	728	2,104	404	1,615	205	971	Q	557	80	20.2
Lodging	2,785	2,785	547	2,785	368	1,868	105	525	20	446	Q	17.3
Mercantile and Service	12,805	12,781	2,091	12,710	1,641	8,743	332	2,424	105	161	12	14.6
Office	9,546	9,523	2,330	9,499	1,962	5,726	258	1,763	39	1,452	71	12.5
Warehouse	8,996	8,557	981	8,540	771	4,852	143	1,158	48	189	Q	17.3
Other	2,406	2,377	487	2,365	347	1,288	71	619	31	299	38	21.9
Vacant	2,931	2,090	162	2,030	106	1,222	38	Q	Q	Q	Q	21.0
Building Floorspace (square feet)												
1,001 to 2,000	1,197	1,120	296	1,116	227	515	58	116	9	10	2	14.6
2,001 to 5,000	5,011	4,813	1,169	4,784	924	2,492	190	587	43	Q	Q	11.8
5,001 to 10,000	6,861	6,630	1,155	6,588	850	4,024	236	1,009	62	Q	Q	10.0
10,001 to 25,000	9,119	8,873	1,357	8,843	957	5,700	305	1,103	60	312	35	11.3
25,001 to 50,000	8,661	8,551	1,301	8,499	956	5,274	191	1,460	101	429	54	12.1
50,001 to 100,000	8,559	8,217	1,262	8,178	927	5,172	220	1,405	45	746	70	12.8
100,001 to 200,000	7,161	7,128	1,090	7,042	763	5,251	180	1,217	59	777	89	15.6
200,001 to 500,000	6,737	6,737	1,313	6,730	941	5,204	229	2,169	44	1,304	99	17.5
Over 500,000	4,893	4,738	961	4,728	774	3,632	114	1,941	Q	956	55	23.9
Year Constructed												
1899 or Before	1,967	1,916	178	1,910	103	1,118	46	797	20	Q	Q	24.5
1900 to 1919	3,767	3,612	463	3,553	297	2,514	96	924	33	552	37	19.7
1920 to 1945	8,894	8,362	1,117	8,317	637	5,654	274	1,848	108	1,083	97	13.4
1946 to 1959	8,534	8,246	1,180	8,126	805	5,838	261	1,707	78	459	36	11.5
1960 to 1969	11,117	11,040	2,323	11,011	1,743	7,639	389	1,854	88	1,125	103	12.9
1970 to 1979	14,036	13,950	2,942	13,927	2,295	8,923	448	2,355	90	1,013	109	12.5
1980 to 1986	9,883	9,680	1,703	9,665	1,439	5,577	208	1,519	24	258	Q	13.4

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

Notes: • To obtain the RSE percentage for any table cell, multiply the 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 C14B.86s. Total Site Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1986**

Building Characteristics	All Buildings	Energy Sources										RSE Row Factors
		All Major Sources		Electricity		Natural Gas		Fuel Oil		District Heat		
	Floor-space (million sq.ft.)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	Floor-space (million sq.ft.)	Con-sump-tion (trillion Btu)	
	RSE Column Factors:	0.5	0.6	0.8	0.6	0.9	0.7	1.0	1.3	1.7	2.1	
All Buildings	58,199	56,807	4,977	56,508	2,390	37,263	1,723	11,005	442	4,625	422	6.2
Census Region												
Northeast	11,830	11,506	1,037	11,429	430	6,885	244	5,087	270	1,383	94	11.5
Midwest	16,034	15,727	1,585	15,680	584	12,424	742	2,040	63	1,798	196	11.4
South	19,397	18,870	1,459	18,753	867	10,426	426	2,522	86	708	81	11.1
West	10,937	10,703	896	10,647	510	7,528	311	1,356	23	736	51	15.3
Census Division												
New England	3,374	3,336	268	3,336	96	1,689	40	2,096	104	326	28	20.4
Middle Atlantic	8,456	8,171	769	8,093	333	5,197	204	2,992	166	1,058	66	13.6
East North Central	11,002	10,803	1,021	10,772	393	8,694	529	1,632	31	1,037	68	10.9
West North Central	5,033	4,924	563	4,907	191	3,729	213	409	Q	761	128	20.9
South Atlantic	9,362	9,172	749	9,091	465	3,752	156	2,143	80	467	49	16.6
East South Central	4,164	3,960	250	3,960	144	2,346	91	205	4	52	11	21.0
West South Central	5,871	5,739	460	5,702	259	4,328	179	173	2	188	21	13.1
Mountain	3,145	3,056	362	3,054	210	2,213	143	168	2	182	7	23.8
Pacific	7,792	7,647	534	7,594	300	5,314	168	1,188	21	554	44	18.2
Principal Building Activity												
Assembly	7,339	7,305	394	7,287	164	5,021	157	1,504	42	471	31	13.4
Education	7,292	7,292	632	7,200	179	5,515	254	1,680	103	828	97	13.3
Food Sales and Service	1,993	1,993	394	1,989	219	1,414	159	176	6	50	9	14.1
Health Care	2,107	2,104	456	2,104	132	1,615	205	971	39	557	80	20.6
Lodging	2,785	2,785	299	2,785	120	1,868	105	525	20	446	54	17.5
Mercantile and Service	12,805	12,781	985	12,710	536	8,743	332	2,424	105	161	12	14.6
Office	9,546	9,523	1,008	9,499	641	5,726	258	1,763	39	1,452	71	12.6
Warehouse	8,996	8,557	462	8,540	252	4,852	143	1,158	48	189	19	17.2
Other	2,406	2,377	254	2,365	113	1,288	71	619	31	299	38	21.9
Vacant	2,931	2,090	91	2,030	35	1,222	38	185	8	173	Q	20.8
Building Floorspace (square feet)												
1,001 to 2,000	1,197	1,120	144	1,116	74	515	58	116	9	Q	Q	14.6
2,001 to 5,000	5,011	4,813	547	4,784	302	2,492	190	587	43	57	Q	11.6
5,001 to 10,000	6,861	6,630	583	6,588	278	4,024	236	1,009	62	36	6	9.8
10,001 to 25,000	9,119	8,873	713	8,843	312	5,700	305	1,103	60	312	35	11.2
25,001 to 50,000	8,661	8,551	658	8,499	312	5,274	191	1,460	101	429	54	12.0
50,001 to 100,000	8,559	8,217	637	8,178	303	5,172	220	1,405	45	746	70	12.9
100,001 to 200,000	7,161	7,128	577	7,042	249	5,251	180	1,217	59	777	89	15.7
200,001 to 500,000	6,737	6,737	679	6,730	307	5,204	229	2,169	44	1,304	99	17.6
Over 500,000	4,893	4,738	440	4,728	253	3,632	114	1,941	18	956	55	23.9
Year Constructed												
1899 or Before	1,967	1,916	109	1,910	34	1,118	46	797	20	135	9	24.2
1900 to 1919	3,767	3,612	263	3,553	97	2,514	96	924	33	552	37	19.1
1920 to 1945	8,894	8,362	687	8,317	208	5,654	274	1,848	108	1,083	97	13.4
1946 to 1959	8,534	8,246	638	8,126	263	5,838	261	1,707	78	459	36	11.5
1960 to 1969	11,117	11,040	1,149	11,011	569	7,639	389	1,854	88	1,125	103	12.8
1970 to 1979	14,036	13,950	1,396	13,927	750	8,923	448	2,355	90	1,013	109	12.6
1980 to 1986	9,883	9,680	734	9,665	470	5,577	208	1,519	24	258	32	13.3

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

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

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