

Table C1.83. Commercial Building Characteristics, 1983

Building Characteristics	Total Floorspace (million square feet)	Buildings (thousand)	Floorspace per Building (square feet)	RSE Row Factors
	1.3	1.2	0.7	
RSE Column Factors:				
All Buildings	49,471	3,185	15,531	5.3
Census Region				
Northeast	10,253	525	19,543	8.8
Midwest	15,248	987	15,445	8.0
South	16,611	1,183	14,042	9.9
West	7,359	490	15,006	15.6
Census Division¹				
New England				
Middle Atlantic				
East North Central				
West North Central				
South Atlantic				
East South Central				
West South Central				
Mountain				
Pacific				
Principal Building Activity				
Assembly	5,460	420	13,007	12.2
Education	6,041	171	35,332	10.3
Food Sales and Service	2,012	322	6,250	7.0
Health Care	2,271	54	42,329	18.6
Lodging	2,235	97	23,104	13.5
Mercantile and Service	10,322	900	11,475	12.2
Office	8,311	501	16,575	6.1
Warehouse	6,763	357	18,921	8.0
Other	2,743	127	21,591	10.0
Vacant	3,315	237	13,991	13.9
Building Floorspace (square feet)				
1,001 to 2,000	830	552	1,505	4.1
2,001 to 5,000	3,453	1,039	3,323	2.9
5,001 to 10,000	4,981	687	7,245	3.9
10,001 to 25,000	8,164	519	15,735	4.3
25,001 to 50,000	7,260	209	34,757	4.8
50,001 to 100,000	6,928	103	67,089	4.2
100,001 to 200,000	6,393	48	134,349	4.8
200,001 to 500,000	7,045	24	298,641	6.1
Over 500,000	4,418	5	939,527	19.3
Year Constructed				
1899 or Before	1,838	157	11,677	13.4
1900 to 1919	4,539	303	14,996	9.0
1920 to 1945	8,711	626	13,923	8.6
1946 to 1959	8,419	671	12,549	7.6
1960 to 1969	9,538	601	15,868	7.4
1970 to 1979	10,803	697	15,501	7.9
1980 to 1983	5,623	131	43,053	20.2

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C2A.83. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1983

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	1.1	1.2	
RSE Column Factors:	0.9	1.0	0.9	1.0	0.9	1.0	1.1	1.2	
All Buildings	3,185	49,471	3,062	48,460	3,052	48,327	1,904	33,935	6.3
Census Region									
Northeast	525	10,253	510	10,051	509	9,982	329	6,948	10.3
Midwest	987	15,248	950	14,914	946	14,881	759	12,793	8.5
South	1,183	16,611	1,130	16,255	1,126	16,224	517	9,170	13.3
West	490	7,359	472	7,240	472	7,240	299	5,024	18.4
Census Division ¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	420	5,460	417	5,452	415	5,426	262	4,018	12.1
Education	171	6,041	171	6,041	171	6,034	115	4,448	11.0
Food Sales and Service	322	2,012	322	2,010	320	2,008	202	1,424	8.2
Health Care	54	2,271	54	2,271	54	2,271	36	2,047	18.8
Lodging	97	2,235	97	2,235	97	2,235	63	1,720	13.5
Mercantile and Service	900	10,322	889	10,244	887	10,238	581	7,905	11.7
Office	501	8,311	501	8,300	500	8,271	314	5,496	8.2
Warehouse	357	6,763	336	6,677	336	6,677	183	4,348	9.0
Other	127	2,743	123	2,725	123	2,725	68	1,264	10.2
Vacant	237	3,315	152	2,505	150	2,441	81	1,263	14.8
Building Floorspace (square feet)									
1,001 to 2,000	552	830	517	780	515	778	314	474	8.9
2,001 to 5,000	1,039	3,453	988	3,294	985	3,282	549	1,832	5.8
5,001 to 10,000	687	4,981	667	4,818	664	4,795	442	3,227	7.5
10,001 to 25,000	519	8,164	511	8,046	510	8,024	334	5,236	8.0
25,001 to 50,000	209	7,260	203	7,038	203	7,038	141	4,934	8.9
50,001 to 100,000	103	6,928	100	6,736	100	6,729	69	4,655	8.0
100,001 to 200,000	48	6,393	47	6,364	47	6,362	36	4,872	9.3
200,001 to 500,000	24	7,045	23	6,966	23	6,908	17	4,923	11.3
Over 500,000	5	4,418	5	4,418	5	4,411	4	3,782	32.7
Year Constructed									
1899 or Before	157	1,838	153	1,788	153	1,788	103	1,323	17.1
1900 to 1919	303	4,539	287	4,360	286	4,343	199	3,123	10.1
1920 to 1945	626	8,711	589	8,306	584	8,233	411	5,850	8.7
1946 to 1959	671	8,419	626	8,247	624	8,233	395	6,196	9.2
1960 to 1969	601	9,538	594	9,484	594	9,478	378	7,191	8.4
1970 to 1979	697	10,803	685	10,692	685	10,678	346	6,609	9.7
1980 to 1983	131	5,623	127	5,583	127	5,573	72	3,643	20.6

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C2B.83. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1983 (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	1.6	1.2	1.1	1.0	
RSE Column Factors:	0.7	0.7	1.1	1.0	1.6	1.2	1.1	1.0	
All Buildings	441	9,409	57	4,454	8	734	191	2,562	16.5
Census Region									
Northeast	180	4,205	15	1,319	Q	74	Q	466	26.4
Midwest	88	1,767	21	1,881	2	266	49	436	27.2
South	142	2,840	Q	769	1	284	110	1,593	21.6
West	31	597	10	485	Q	110	10	66	30.7
Census Division ¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	80	754	8	501	Q	Q	39	319	31.6
Education	31	1,431	8	408	1	78	6	346	32.4
Food Sales and Service	33	281	3	81	*	*	38	258	38.8
Health Care	10	1,221	Q	392	Q	120	1	Q	34.9
Lodging	12	521	10	512	Q	35	11	125	40.7
Mercantile and Service	138	1,499	3	Q	Q	31	57	Q	25.2
Office	62	1,589	9	1,197	Q	343	8	84	23.7
Warehouse	42	1,114	Q	Q	Q	Q	17	595	31.0
Other	19	647	6	443	Q	Q	13	115	45.1
Vacant	Q	353	4	287	Q	23	Q	Q	38.0
Building Floorspace (square feet)									
1,001 to 2,000	60	92	*	*	Q	Q	31	51	22.7
2,001 to 5,000	134	452	Q	Q	Q	Q	75	256	26.3
5,001 to 10,000	96	668	8	60	Q	Q	42	286	28.2
10,001 to 25,000	90	1,326	13	225	1	23	29	470	23.9
25,001 to 50,000	27	979	13	427	Q	Q	7	238	28.9
50,001 to 100,000	16	1,058	9	607	2	123	3	186	24.3
100,001 to 200,000	9	1,304	5	672	1	63	3	418	25.4
200,001 to 500,000	8	2,331	5	1,629	1	238	1	266	30.4
Over 500,000	1	1,200	1	817	*	237	*	Q	27.7
Year Constructed									
1899 or Before	39	387	Q	Q	*	*	17	109	37.4
1900 to 1919	57	936	6	493	Q	38	Q	Q	27.7
1920 to 1945	98	1,764	16	1,010	1	Q	31	337	24.8
1946 to 1959	115	2,399	18	852	Q	Q	40	530	23.4
1960 to 1969	64	1,498	8	960	2	163	32	Q	24.1
1970 to 1979	62	1,530	4	579	Q	219	53	741	23.0
1980 to 1983	6	895	Q	Q	Q	62	6	146	35.3

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C3.83. Energy Sources Used for Space Heating in Commercial Buildings, Number of Buildings and Total Floorspace, 1983

Building Characteristics	Energy Sources												RSE Row Factors
	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.)	
	0.5	0.6	1.0	1.0	0.7	0.7	1.1	1.0	1.7	1.4	1.6	1.7	
All Buildings	2,808	45,685	892	15,325	1,671	26,885	397	6,835	54	4,297	115	927	11.4
Census Region													
Northeast	477	9,541	98	2,436	266	4,600	172	3,470	15	1,301	Q	Q	16.4
Midwest	905	14,499	155	2,607	707	11,079	75	,988	21	1,806	43	301	16.6
South	1,012	15,003	487	7,492	447	7,019	121	2,061	9	744	58	567	20.8
West	414	6,641	152	2,790	251	4,188	29	316	9	445	7	35	27.1
Census Division¹													
New England													
Middle Atlantic													
East North Central													
West North Central													
South Atlantic													
East South Central													
West South Central													
Mountain													
Pacific													
Principal Building Activity													
Assembly	405	5,343	132	1,806	237	3,363	72	657	8	474	18	73	21.4
Education	167	5,822	46	1,226	100	3,534	29	1,324	7	393	Q	43	21.7
Food Sales and Service	308	1,967	107	678	176	1,162	31	247	2	76	19	59	20.3
Health Care	53	2,265	15	394	31	1,635	5	387	Q	357	*	*	27.9
Lodging	92	2,197	49	811	37	933	9	355	9	482	Q	Q	24.8
Mercantile and Service	803	9,751	188	3,815	525	6,040	131	1,403	3	Q	46	260	18.9
Office	491	8,194	197	2,891	279	4,279	52	913	9	1,191	Q	29	16.4
Warehouse	271	5,843	89	2,047	163	3,927	39	1,018	Q	Q	13	343	18.2
Other	104	2,423	30	960	54	1,036	13	251	6	437	11	65	25.2
Vacant	112	1,879	39	697	68	976	Q	279	5	278	Q	Q	26.6
Building Floorspace (square feet)													
1,001 to 2,000	461	701	109	164	277	419	58	89	*	*	28	45	17.3
2,001 to 5,000	879	2,894	284	917	491	1,622	121	408	Q	Q	54	186	15.2
5,001 to 10,000	629	4,548	208	1,489	401	2,905	90	627	8	65	15	105	17.7
10,001 to 25,000	486	7,676	182	2,885	282	4,467	79	1,166	13	226	15	246	14.8
25,001 to 50,000	186	6,495	58	2,036	120	4,196	24	856	11	375	Q	Q	16.1
50,001 to 100,000	95	6,398	28	1,885	57	3,849	13	837	9	595	Q	Q	15.1
100,001 to 200,000	45	6,049	15	1,873	28	3,784	7	1,047	4	613	Q	Q	16.0
200,001 to 500,000	22	6,679	5	1,658	12	3,526	4	1,121	5	1,622	Q	Q	19.9
Over 500,000	5	4,244	Q	Q	2	2,117	1	685	1	786	Q	Q	31.4
Year Constructed													
1899 or Before	143	1,693	27	372	92	1,111	38	370	Q	Q	Q	Q	28.6
1900 to 1919	266	4,118	54	862	183	2,474	55	838	4	438	Q	Q	20.0
1920 to 1945	524	7,401	124	1,516	360	4,605	87	1,580	16	943	20	93	16.9
1946 to 1959	567	7,809	146	1,884	341	5,173	105	1,869	17	829	22	Q	17.6
1960 to 1969	549	9,160	183	2,744	336	5,832	55	1,130	9	938	22	180	16.6
1970 to 1979	642	10,254	300	4,604	298	5,511	55	928	4	604	33	249	16.2
1980 to 1983	117	5,249	59	3,343	60	2,180	2	119	Q	Q	4	49	30.2

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C4.83. Energy Sources Used for Cooling in Commercial Buildings, Number of Buildings and Total Floorspace, 1983

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.)	
	RSE Column Factors:	0.6	0.7	0.6	0.7	1.5	1.5	1.5	
All Buildings	2,194	40,183	2,089	37,476	126	2,580	4	585	11.7
Census Region									
Northeast	348	8,087	326	7,368	25	471	Q	Q	14.0
Midwest	665	12,428	629	11,402	41	996	Q	233	16.6
South	921	14,730	894	14,103	30	733	1	243	17.6
West	260	4,938	241	4,604	29	381	2	76	23.6
Census Division¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	278	4,266	267	3,995	Q	319	Q	Q	21.5
Education	124	4,577	117	4,169	7	Q	1	74	22.2
Food Sales and Service	268	1,666	257	1,521	19	155	*	*	15.3
Health Care	51	2,256	49	1,980	1	222	Q	107	25.4
Lodging	75	1,791	74	1,728	Q	37	Q	35	24.9
Mercantile and Service	557	8,577	541	8,257	23	561	Q	20	22.9
Office	468	7,989	434	7,275	40	494	2	274	15.1
Warehouse	211	5,359	193	4,999	19	372	*	*	13.7
Other	81	2,179	80	2,115	Q	Q	Q	Q	18.2
Vacant	81	1,524	77	1,438	Q	54	Q	Q	28.6
Building Floorspace (square feet)									
1,001 to 2,000	320	486	300	452	21	35	*	*	19.8
2,001 to 5,000	656	2,169	628	2,075	42	141	*	*	14.7
5,001 to 10,000	490	3,526	473	3,385	25	186	*	*	14.7
10,001 to 25,000	410	6,512	394	6,234	16	279	Q	Q	13.3
25,001 to 50,000	166	5,796	155	5,399	12	418	Q	Q	15.8
50,001 to 100,000	86	5,739	79	5,267	6	439	Q	Q	17.0
100,001 to 200,000	39	5,302	37	5,007	2	298	Q	Q	16.9
200,001 to 500,000	21	6,393	20	5,784	1	428	1	Q	20.3
Over 500,000	5	4,261	4	3,873	*	356	*	213	37.3
Year Constructed									
1899 or Before	99	1,255	94	1,202	5	55	*	*	26.9
1900 to 1919	189	3,155	184	3,092	5	60	Q	Q	20.7
1920 to 1945	378	6,188	360	5,899	25	276	Q	Q	14.7
1946 to 1959	422	6,743	401	6,106	27	614	Q	Q	18.7
1960 to 1969	463	8,297	439	7,676	25	557	Q	132	15.4
1970 to 1979	534	9,424	511	8,598	31	747	1	176	19.8
1980 to 1983	108	5,122	101	4,903	7	270	Q	45	28.8

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C5.83. End Uses for All Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1983

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.)	
	0.8	0.8	0.8	0.9	0.8	0.9	0.9	1.0	1.0	1.1	1.8	1.6	
RSE Column Factors:	0.8	0.8	0.8	0.9	0.8	0.9	0.9	1.0	1.0	1.1	1.8	1.6	
All Buildings	3,185	49,471	2,808	45,685	2,414	43,080	2,194	40,183	1,153	25,443	322	5,826	7.3
Census Region													
Northeast	525	10,253	477	9,541	447	9,152	348	8,087	228	5,688	58	1,388	11.4
Midwest	987	15,248	905	14,499	783	13,788	665	12,428	374	7,686	114	1,931	10.6
South	1,183	16,611	1,012	15,003	803	13,777	921	14,730	373	8,476	87	1,609	14.1
West	490	7,359	414	6,641	380	6,362	260	4,938	178	3,593	64	898	21.2
Census Division ¹													
New England													
Middle Atlantic													
East North Central													
West North Central													
South Atlantic													
East South Central													
West South Central													
Mountain													
Pacific													
Principal Building Activity													
Assembly	420	5,460	405	5,343	362	5,111	278	4,266	272	3,956	Q	73	13.8
Education	171	6,041	167	5,822	153	5,784	124	4,577	104	4,632	Q	399	13.1
Food Sales and Service	322	2,012	308	1,967	293	1,863	268	1,666	249	1,520	26	215	10.2
Health Care	54	2,271	53	2,265	52	2,258	51	2,256	24	2,054	Q	96	21.0
Lodging	97	2,235	92	2,197	95	2,207	75	1,791	75	1,760	Q	Q	15.3
Mercantile and Service	900	10,322	803	9,751	602	8,617	557	8,577	138	4,169	144	1,249	13.8
Office	501	8,311	491	8,194	456	7,902	468	7,989	161	4,143	33	712	9.8
Warehouse	357	6,763	271	5,843	221	5,441	211	5,359	51	1,668	79	2,450	10.8
Other	127	2,743	104	2,423	87	2,168	81	2,179	43	819	14	320	15.0
Vacant	237	3,315	112	1,879	93	1,729	81	1,524	36	721	7	147	19.5
Building Floorspace (square feet)													
1,001 to 2,000	552	830	461	701	373	571	320	486	147	218	48	76	11.5
2,001 to 5,000	1,039	3,453	879	2,894	726	2,427	656	2,169	360	1,211	101	334	7.8
5,001 to 10,000	687	4,981	629	4,548	535	3,892	490	3,526	250	1,820	64	459	9.6
10,001 to 25,000	519	8,164	486	7,676	439	6,985	410	6,512	188	2,995	61	989	9.0
25,001 to 50,000	209	7,260	186	6,495	178	6,215	166	5,796	105	3,625	24	846	10.2
50,001 to 100,000	103	6,928	95	6,398	91	6,142	86	5,739	55	3,686	15	1,016	9.9
100,001 to 200,000	48	6,393	45	6,049	45	6,082	39	5,302	31	4,096	6	866	10.6
200,001 to 500,000	24	7,045	22	6,679	22	6,491	21	6,393	14	4,124	2	742	13.3
Over 500,000	5	4,418	5	4,244	5	4,275	5	4,261	4	3,668	1	497	33.4
Year Constructed													
1899 or Before	157	1,838	143	1,693	128	1,574	99	1,255	78	970	9	153	19.8
1900 to 1919	303	4,539	266	4,118	219	3,727	189	3,155	116	2,043	27	711	13.1
1920 to 1945	626	8,711	524	7,401	419	6,772	378	6,188	194	3,802	70	1,166	10.5
1946 to 1959	671	8,419	567	7,809	472	7,256	422	6,743	216	4,749	64	1,097	10.5
1960 to 1969	601	9,538	549	9,160	481	8,702	463	8,297	216	5,455	68	1,287	10.1
1970 to 1979	697	10,803	642	10,254	580	9,834	534	9,424	279	5,330	75	1,122	11.1
1980 to 1983	131	5,623	117	5,249	115	5,215	108	5,122	55	3,094	8	288	21.2

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C6.83. End Uses for Electricity Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1983

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.)	
	1.3	1.2	1.0	1.1	0.8	0.8	1.0	1.1	
RSE Column Factors:	1.3	1.2	1.0	1.1	0.8	0.8	1.0	1.1	
All Buildings	892	15,325	1,186	18,622	2,089	37,476	732	15,958	10.2
Census Region									
Northeast	98	2,436	177	3,402	326	7,368	113	2,814	12.8
Midwest	155	2,607	302	4,167	629	11,402	231	4,649	12.0
South	487	7,492	513	8,425	894	14,103	261	6,061	19.2
West	152	2,790	195	2,629	241	4,604	127	2,434	22.3
Census Division ¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	132	1,806	201	2,037	267	3,995	162	2,087	17.7
Education	46	1,226	57	1,746	117	4,169	60	2,614	16.8
Food Sales and Service	107	678	123	689	257	1,521	128	814	13.7
Health Care	15	394	20	316	49	1,980	19	1,332	25.2
Lodging	49	811	31	390	74	1,728	46	911	19.3
Mercantile and Service	188	3,815	307	4,908	541	8,257	86	2,873	21.7
Office	197	2,891	229	3,637	434	7,275	136	3,035	11.2
Warehouse	89	2,047	132	2,933	193	4,999	42	1,279	13.2
Other	30	960	38	1,047	80	2,115	28	563	21.7
Vacant	39	697	49	918	77	1,438	24	450	24.3
Building Floorspace (square feet)									
1,001 to 2,000	109	164	206	309	300	452	82	122	14.8
2,001 to 5,000	284	917	367	1,211	628	2,075	247	815	11.8
5,001 to 10,000	208	1,489	253	1,838	473	3,385	158	1,144	12.3
10,001 to 25,000	182	2,885	219	3,434	394	6,234	117	1,888	12.8
25,001 to 50,000	58	2,036	78	2,730	155	5,399	64	2,255	10.6
50,001 to 100,000	28	1,885	37	2,500	79	5,267	35	2,304	10.8
100,001 to 200,000	15	1,873	16	2,189	37	5,007	18	2,409	13.1
200,001 to 500,000	5	1,658	8	2,212	20	5,784	8	2,269	16.7
Over 500,000	Q	Q	Q	Q	4	3,873	Q	Q	46.4
Year Constructed									
1899 or Before	27	372	54	538	94	1,202	45	461	25.5
1900 to 1919	54	862	94	1,497	184	3,092	61	1,003	19.9
1920 to 1945	124	1,516	179	2,411	360	5,899	95	1,982	12.4
1946 to 1959	146	1,884	202	2,197	401	6,106	137	2,836	15.6
1960 to 1969	183	2,744	224	3,271	439	7,676	142	3,288	12.5
1970 to 1979	300	4,604	360	5,157	511	8,598	208	3,743	12.7
1980 to 1983	59	3,343	73	3,550	101	4,903	44	Q	23.9

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C7.83. End Uses for Natural Gas Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1983

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	0.8	0.8	0.8	1.6	1.6	1.0	1.1	
RSE Column Factors:	0.7	0.8	0.8	0.8	1.6	1.6	1.0	1.1	
All Buildings	1,671	26,885	1,130	21,471	126	2,580	492	14,242	10.2
Census Region									
Northeast	266	4,600	213	4,219	25	471	129	3,596	15.9
Midwest	707	11,079	476	9,072	41	996	181	4,645	13.4
South	447	7,019	260	4,647	30	733	114	3,996	21.5
West	251	4,188	181	3,532	29	381	67	2,006	28.0
Census Division ¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	237	3,363	155	2,865	Q	319	103	2,225	22.4
Education	100	3,534	86	3,397	7	Q	60	2,781	17.2
Food Sales and Service	176	1,162	156	1,020	19	155	153	968	14.7
Health Care	31	1,635	30	1,656	1	222	10	1,551	25.4
Lodging	37	933	50	1,224	Q	37	34	1,135	21.4
Mercantile and Service	525	6,040	279	4,008	23	561	57	2,908	18.1
Office	279	4,279	207	3,397	40	494	34	1,571	13.5
Warehouse	163	3,927	87	2,350	19	372	15	419	19.0
Other	54	1,036	39	888	Q	Q	13	339	25.4
Vacant	68	976	41	666	Q	54	12	345	27.5
Building Floorspace (square feet)									
1,001 to 2,000	277	419	158	248	21	35	69	103	19.1
2,001 to 5,000	491	1,622	317	1,076	42	141	133	450	14.2
5,001 to 10,000	401	2,905	266	1,947	25	186	105	781	13.0
10,001 to 25,000	282	4,467	205	3,259	16	279	79	1,199	11.4
25,001 to 50,000	120	4,196	98	3,439	12	418	50	1,697	15.3
50,001 to 100,000	57	3,849	46	3,144	6	439	27	1,827	15.8
100,001 to 200,000	28	3,784	26	3,522	2	298	17	2,373	15.2
200,001 to 500,000	12	3,526	11	3,025	1	428	10	2,868	19.5
Over 500,000	2	2,117	2	1,812	*	356	Q	Q	34.6
Year Constructed									
1899 or Before	92	1,111	65	892	5	55	30	573	25.4
1900 to 1919	183	2,474	112	1,872	5	60	61	1,223	18.7
1920 to 1945	360	4,605	225	3,640	25	276	111	2,261	13.9
1946 to 1959	341	5,173	233	4,308	27	614	91	2,826	18.1
1960 to 1969	336	5,832	248	4,694	25	557	90	3,124	14.5
1970 to 1979	298	5,511	204	4,337	31	747	94	2,383	15.8
1980 to 1983	60	2,180	43	1,729	7	270	16	Q	23.0

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C8.83. End Uses for Fuel Oil and District Heat Energy Sources in Commercial Buildings, Number of Building and Total Floorspace, 1983

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.)	
	0.8	0.7	1.1	1.0	1.2	1.1	1.2	1.0	
RSE Column Factors:	0.8	0.7	1.1	1.0	1.2	1.1	1.2	1.0	
All Buildings	397	6,835	109	3,054	52	4,195	30	3,068	14.2
Census Region									
Northeast	172	3,470	73	2,042	15	1,267	6	863	21.6
Midwest	75	988	8	280	21	1,804	10	1,233	31.9
South	121	2,061	22	594	9	713	Q	639	26.8
West	29	316	Q	138	8	410	6	332	37.0
Census Division ¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	72	657	9	137	8	467	2	259	31.5
Education	29	1,324	15	937	6	356	6	332	30.0
Food Sales and Service	31	247	13	102	2	76	Q	Q	36.5
Health Care	5	387	3	343	Q	350	1	369	26.6
Lodging	9	355	7	320	8	472	7	384	38.9
Mercantile and Service	131	1,403	22	Q	3	Q	Q	Q	22.3
Office	52	913	21	263	8	1,153	5	988	23.4
Warehouse	39	1,018	Q	Q	Q	Q	Q	Q	29.9
Other	13	251	Q	106	6	437	4	281	38.2
Vacant	Q	279	Q	118	4	275	Q	Q	39.3
Building Floorspace (square feet)									
1,001 to 2,000	58	89	11	17	*	*	*	*	26.6
2,001 to 5,000	121	408	33	118	Q	Q	*	*	21.6
5,001 to 10,000	90	627	16	115	7	59	Q	Q	26.9
10,001 to 25,000	79	1,166	26	434	12	220	8	154	23.3
25,001 to 50,000	24	856	11	366	11	369	6	211	29.3
50,001 to 100,000	13	837	5	377	8	547	6	403	20.0
100,001 to 200,000	7	1,047	4	631	4	607	3	441	23.4
200,001 to 500,000	4	1,121	2	566	5	1,613	4	1,172	27.0
Over 500,000	1	685	Q	Q	1	765	1	662	22.7
Year Constructed									
1899 or Before	38	370	8	67	Q	Q	Q	Q	36.5
1900 to 1919	55	838	17	340	4	438	2	177	28.7
1920 to 1945	87	1,580	23	777	16	941	7	643	24.1
1946 to 1959	105	1,869	27	841	17	824	10	641	22.9
1960 to 1969	55	1,130	16	584	8	892	7	830	21.9
1970 to 1979	55	928	17	353	4	564	4	574	24.6
1980 to 1983	2	119	1	92	Q	Q	*	59	33.0

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C9.83p. Total Primary and Average Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1983

Building Characteristics	Total				Average					RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1983 Dollars		1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
RSE Column Factors:	1.1	1.4	1.3	1.3	1.0	1.0	1.0	0.6	0.6	
All Buildings	49,471	9,257	63,156	55,451	187.13	1.28	1.12	6.82	5.99	5.0
Census Region										
Northeast	10,253	1,534	14,122	12,399	149.63	1.38	1.21	9.20	8.08	6.9
Midwest	15,248	3,222	20,512	18,009	211.29	1.35	1.18	6.37	5.59	8.6
South	16,611	3,129	20,351	17,868	188.38	1.23	1.08	6.50	5.71	8.4
West	7,359	1,372	8,171	7,174	186.46	1.11	0.97	5.95	5.23	13.3
Census Division ¹										
New England										
Middle Atlantic										
East North Central										
West North Central										
South Atlantic										
East South Central										
West South Central										
Mountain										
Pacific										
Principal Building Activity										
Assembly	5,460	617	4,600	4,039	112.97	0.84	0.74	7.46	6.55	8.6
Education	6,041	798	5,451	4,786	132.04	0.90	0.79	6.83	6.00	10.8
Food Sales and Service	2,012	854	5,898	5,178	424.62	2.93	2.57	6.91	6.06	6.4
Health Care	2,271	769	4,975	4,368	338.42	2.19	1.92	6.47	5.68	12.3
Lodging	2,235	678	4,425	3,885	303.13	1.98	1.74	6.53	5.73	10.3
Mercantile and Service	10,322	1,699	11,342	9,958	164.59	1.10	0.96	6.68	5.86	9.5
Office	8,311	2,079	14,595	12,814	250.14	1.76	1.54	7.02	6.16	7.0
Warehouse	6,763	873	5,857	5,142	129.03	0.87	0.76	6.71	5.89	9.0
Other	2,743	548	3,594	3,156	199.62	1.31	1.15	6.56	5.76	20.7
Vacant	3,315	345	2,419	2,124	104.03	0.73	0.64	7.02	6.16	16.2
Building Floorspace (square feet)										
1,001 to 2,000	830	310	2,300	2,019	373.37	2.77	2.43	7.42	6.51	13.2
2,001 to 5,000	3,453	938	6,737	5,915	271.57	1.95	1.71	7.19	6.31	8.2
5,001 to 10,000	4,981	970	6,784	5,957	194.79	1.36	1.20	6.99	6.14	11.0
10,001 to 25,000	8,164	1,312	9,442	8,290	160.69	1.16	1.02	7.20	6.32	7.4
25,001 to 50,000	7,260	1,311	9,033	7,931	180.58	1.24	1.09	6.89	6.05	7.4
50,001 to 100,000	6,928	1,192	7,696	6,757	172.05	1.11	0.98	6.46	5.67	9.8
100,001 to 200,000	6,393	1,084	7,162	6,288	169.57	1.12	0.98	6.61	5.80	7.5
200,001 to 500,000	7,045	1,373	9,069	7,962	194.87	1.29	1.13	6.61	5.80	9.9
Over 500,000	4,418	768	4,933	4,332	173.80	1.12	0.98	6.43	5.64	17.3
Year Constructed										
1899 or Before	1,838	197	1,586	1,393	107.03	0.86	0.76	8.06	7.08	11.2
1900 to 1919	4,539	482	3,524	3,094	106.22	0.78	0.68	7.31	6.42	9.1
1920 to 1945	8,711	1,442	10,555	9,268	165.60	1.21	1.06	7.32	6.42	10.2
1946 to 1959	8,419	1,464	10,134	8,898	173.92	1.20	1.06	6.92	6.08	9.8
1960 to 1969	9,538	1,916	12,933	11,356	200.86	1.36	1.19	6.75	5.93	6.1
1970 to 1979	10,803	2,659	17,745	15,580	246.12	1.64	1.44	6.67	5.86	6.5
1980 to 1983	5,623	1,097	6,678	5,863	195.12	1.19	1.04	6.09	5.34	15.4

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C9.83s. Total and Average Site Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1983

Building Characteristics	Total				Average					RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1983 Dollars		1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
RSE Column Factors:	1.2	1.4	1.4	1.4	1.0	1.0	1.0	0.6	0.6	
All Buildings	49,471	4,823	63,156	55,451	97.48	1.28	1.12	13.10	11.50	4.4
Census Region										
Northeast	10,253	858	14,122	12,399	83.71	1.38	1.21	16.45	14.45	4.6
Midwest	15,248	1,820	20,512	18,009	119.40	1.35	1.18	11.27	9.89	6.8
South	16,611	1,462	20,351	17,868	87.99	1.23	1.08	13.92	12.22	9.4
West	7,359	682	8,171	7,174	92.70	1.11	0.97	11.98	10.52	10.8
Census Division ¹										
New England										
Middle Atlantic										
East North Central										
West North Central										
South Atlantic										
East South Central										
West South Central										
Mountain										
Pacific										
Principal Building Activity										
Assembly	5,459	367	4,600	4,039	67.15	0.84	0.74	12.55	11.02	9.8
Education	6,041	480	5,451	4,786	79.50	0.90	0.79	11.35	9.97	10.4
Food Sales and Service	2,012	414	5,898	5,178	205.57	2.93	2.57	14.26	12.52	7.1
Health Care	2,271	463	4,975	4,368	203.65	2.19	1.92	10.75	9.44	9.3
Lodging	2,235	362	4,425	3,885	162.16	1.98	1.74	12.21	10.72	9.0
Mercantile and Service	10,322	812	11,342	9,958	78.65	1.10	0.96	13.97	12.27	8.5
Office	8,311	1,018	14,595	12,814	122.46	1.76	1.54	14.34	12.59	6.6
Warehouse	6,763	474	5,857	5,142	70.03	0.87	0.76	12.37	10.86	9.0
Other	2,743	260	3,594	3,156	94.71	1.31	1.15	13.83	12.15	15.7
Vacant	3,315	174	2,419	2,124	52.61	0.73	0.64	13.87	12.18	12.9
Building Floorspace (square feet)										
1,001 to 2,000	830	194	2,300	2,019	233.79	2.77	2.43	11.85	10.40	15.2
2,001 to 5,000	3,453	516	6,737	5,915	149.31	1.95	1.71	13.07	11.47	8.7
5,001 to 10,000	4,981	532	6,784	5,957	106.84	1.36	1.20	12.75	11.19	9.2
10,001 to 25,000	8,164	666	9,442	8,290	81.61	1.16	1.02	14.17	12.44	6.8
25,001 to 50,000	7,260	676	9,033	7,931	93.10	1.24	1.09	13.36	11.73	7.0
50,001 to 100,000	6,928	592	7,696	6,757	85.52	1.11	0.98	12.99	11.40	8.9
100,001 to 200,000	6,393	572	7,162	6,288	89.54	1.12	0.98	12.51	10.98	7.6
200,001 to 500,000	7,045	691	9,069	7,962	98.07	1.29	1.13	13.13	11.52	7.2
Over 500,000	4,418	383	4,933	4,332	86.68	1.12	0.98	12.88	11.31	13.3
Year Constructed										
1899 or Before	1,838	119	1,586	1,393	64.75	0.86	0.76	13.33	11.70	13.3
1900 to 1919	4,539	293	3,524	3,094	64.47	0.78	0.68	12.04	10.57	10.1
1920 to 1945	8,711	811	10,555	9,268	93.05	1.21	1.06	13.02	11.43	8.1
1946 to 1959	8,419	808	10,134	8,898	95.93	1.20	1.06	12.55	11.02	6.8
1960 to 1969	9,538	1,010	12,933	11,355	105.92	1.36	1.19	12.80	11.24	5.8
1970 to 1979	10,803	1,298	17,745	15,580	120.20	1.64	1.44	13.67	12.00	6.0
1980 to 1983	5,623	484	6,678	5,863	86.08	1.19	1.04	13.80	12.11	14.5

¹ Census Division Data were not collected in 1983.
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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C10.83p. Total and Average Primary Consumption and Expenditures for Electricity in Commercial Buildings, 1983

Building Characteristics	Total				Average					RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1983 Dollars		1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
RSE Column Factors:	1.0	1.4	1.3	1.3	1.0	1.0	1.0	0.7	0.7	
All Buildings	48,327	6,564	44,737	39,279	135.82	0.93	0.81	6.82	5.98	6.0
Census Region										
Northeast	9,982	1,000	9,574	8,406	100.23	0.96	0.84	9.57	8.40	8.3
Midwest	14,881	2,074	13,205	11,594	139.36	0.89	0.78	6.37	5.59	9.1
South	16,224	2,468	16,146	14,176	152.13	1.00	0.87	6.54	5.74	9.7
West	7,240	1,021	5,812	5,103	141.07	0.80	0.70	5.69	5.00	19.8
Census Division ¹										
New England										
Middle Atlantic										
East North Central										
West North Central										
South Atlantic										
East South Central										
West South Central										
Mountain										
Pacific										
Principal Building Activity										
Assembly	5,426	370	2,888	2,536	68.23	0.53	0.47	7.80	6.85	11.0
Education	6,034	470	3,331	2,925	77.84	0.55	0.48	7.09	6.23	13.0
Food Sales and Service	2,008	652	4,503	3,954	324.77	2.24	1.97	6.90	6.06	7.6
Health Care	2,271	453	2,828	2,483	199.48	1.24	1.09	6.24	5.48	15.3
Lodging	2,235	466	3,068	2,694	208.64	1.37	1.21	6.58	5.78	12.3
Mercantile and Service	10,238	1,313	8,658	7,602	128.23	0.85	0.74	6.60	5.79	11.3
Office	8,271	1,571	10,992	9,651	189.89	1.33	1.17	7.00	6.14	6.6
Warehouse	6,677	591	3,987	3,501	88.45	0.60	0.52	6.75	5.93	10.0
Other	2,725	426	2,702	2,372	156.31	0.99	0.87	6.34	5.57	24.5
Vacant	2,441	252	1,779	1,562	103.34	0.73	0.64	7.05	6.19	18.3
Building Floorspace (square feet)										
1,001 to 2,000	778	172	1,448	1,271	220.34	1.86	1.63	8.44	7.41	10.9
2,001 to 5,000	3,282	625	4,644	4,078	190.38	1.42	1.24	7.43	6.53	10.2
5,001 to 10,000	4,795	648	4,543	3,989	135.21	0.95	0.83	7.01	6.15	13.4
10,001 to 25,000	8,024	956	6,896	6,054	119.09	0.86	0.75	7.22	6.34	9.1
25,001 to 50,000	7,038	940	6,565	5,764	133.57	0.93	0.82	6.98	6.13	8.7
50,001 to 100,000	6,729	887	5,649	4,960	131.85	0.84	0.74	6.37	5.59	10.8
100,001 to 200,000	6,362	757	4,935	4,333	119.02	0.78	0.68	6.52	5.72	8.7
200,001 to 500,000	6,908	1,009	6,482	5,691	146.13	0.94	0.82	6.42	5.64	11.9
Over 500,000	4,411	570	3,574	3,138	129.15	0.81	0.71	6.27	5.51	20.2
Year Constructed										
1899 or Before	1,788	115	980	860	64.32	0.55	0.48	8.52	7.48	13.6
1900 to 1919	4,343	280	2,100	1,844	64.58	0.48	0.42	7.49	6.57	9.3
1920 to 1945	8,233	935	6,934	6,088	113.60	0.84	0.74	7.41	6.51	13.2
1946 to 1959	8,233	972	6,748	5,925	118.04	0.82	0.72	6.94	6.10	13.2
1960 to 1969	9,478	1,340	8,977	7,882	141.41	0.95	0.83	6.70	5.88	6.8
1970 to 1979	10,678	2,013	13,484	11,839	188.55	1.26	1.11	6.70	5.88	6.8
1980 to 1983	5,573	907	5,513	4,841	162.83	0.99	0.87	6.08	5.33	16.7

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C10.83s. Total and Average Site Consumption and Expenditures for Electricity in Commercial Buildings, 1983

Building Characteristics	Total				Average					RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1983 Dollars		1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
RSE Column Factors:	1.1	1.6	1.5	1.5	1.1	1.1	1.1	0.4	0.4	
All Buildings	48,327	2,129	44,737	39,279	44.05	0.93	0.81	21.01	18.45	5.3
Census Region										
Northeast	9,982	324	9,574	8,406	32.51	0.96	0.84	29.51	25.91	6.5
Midwest	14,881	673	13,205	11,594	45.20	0.89	0.78	19.63	17.24	7.9
South	16,224	801	16,146	14,176	49.34	1.00	0.87	20.17	17.71	8.8
West	7,240	331	5,812	5,103	45.76	0.80	0.70	17.54	15.40	16.1
Census Division ¹										
New England										
Middle Atlantic										
East North Central										
West North Central										
South Atlantic										
East South Central										
West South Central										
Mountain										
Pacific										
Principal Building Activity										
Assembly	5,426	120	2,888	2,536	22.13	0.53	0.47	24.05	21.12	10.8
Education	6,034	152	3,331	2,925	25.25	0.55	0.48	21.86	19.20	13.3
Food Sales and Service	2,008	212	4,503	3,954	105.34	2.24	1.97	21.29	18.69	6.6
Health Care	2,271	147	2,828	2,483	64.70	1.24	1.09	19.24	16.89	9.3
Lodging	2,235	151	3,068	2,694	67.67	1.37	1.21	20.28	17.81	10.1
Mercantile and Service	10,238	426	8,658	7,602	41.59	0.85	0.74	20.33	17.85	10.2
Office	8,271	509	10,992	9,651	61.59	1.33	1.17	21.58	18.95	6.0
Warehouse	6,677	192	3,987	3,501	28.69	0.60	0.52	20.81	18.28	8.9
Other	2,725	138	2,702	2,372	50.70	0.99	0.87	19.56	17.17	23.4
Vacant	2,441	82	1,779	1,562	33.52	0.73	0.64	21.75	19.09	12.1
Building Floorspace (square feet)										
1,001 to 2,000	778	56	1,448	1,271	71.47	1.86	1.63	26.03	22.85	9.3
2,001 to 5,000	3,282	203	4,644	4,078	61.75	1.42	1.24	22.92	20.12	7.9
5,001 to 10,000	4,795	210	4,543	3,989	43.86	0.95	0.83	21.60	18.97	14.0
10,001 to 25,000	8,024	310	6,896	6,054	38.63	0.86	0.75	22.25	19.53	7.5
25,001 to 50,000	7,038	305	6,565	5,764	43.32	0.93	0.82	21.53	18.90	7.7
50,001 to 100,000	6,729	288	5,649	4,960	42.77	0.84	0.74	19.63	17.24	9.2
100,001 to 200,000	6,362	246	4,935	4,333	38.61	0.78	0.68	20.09	17.64	7.3
200,001 to 500,000	6,908	327	6,482	5,691	47.40	0.94	0.82	19.80	17.38	8.6
Over 500,000	4,411	185	3,574	3,138	41.89	0.81	0.71	19.34	16.98	16.0
Year Constructed										
1899 or Before	1,788	37	980	860	20.86	0.55	0.48	26.26	23.06	17.9
1900 to 1919	4,343	91	2,100	1,844	20.95	0.48	0.42	23.09	20.27	9.3
1920 to 1945	8,233	303	6,934	6,088	36.85	0.84	0.74	22.86	20.07	9.8
1946 to 1959	8,233	315	6,748	5,925	38.29	0.82	0.72	21.41	18.80	11.9
1960 to 1969	9,478	435	8,977	7,882	45.87	0.95	0.83	20.65	18.13	5.9
1970 to 1979	10,678	653	13,484	11,839	61.16	1.26	1.11	20.65	18.13	5.5
1980 to 1983	5,573	294	5,513	4,841	52.82	0.99	0.87	18.73	16.45	14.8

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C11.83. Total and Average Consumption and Expenditures for Natural Gas in Commercial Buildings, 1983

Building Characteristics	Total				Average					RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1983 Dollars		1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
RSE Column Factors:	1.3	1.6	1.5	1.5	1.4	1.4	1.4	0.3	0.3	
All Buildings	33,935	2,091	13,033	11,443	61.61	0.38	0.34	6.23	5.47	5.4
Census Region										
Northeast	6,948	278	2,135	1,874	40.05	0.31	0.27	7.67	6.74	5.8
Midwest	12,793	978	5,891	5,172	76.48	0.46	0.40	6.02	5.29	5.7
South	9,170	523	3,046	2,675	57.03	0.33	0.29	5.82	5.11	12.9
West	5,024	311	1,961	1,721	61.89	0.39	0.34	6.30	5.54	13.8
Census Division ¹										
New England										
Middle Atlantic										
East North Central										
West North Central										
South Atlantic										
East South Central										
West South Central										
Mountain										
Pacific										
Principal Building Activity										
Assembly	4,018	196	1,244	1,092	48.88	0.31	0.27	6.33	5.56	10.7
Education	4,448	246	1,500	1,317	55.22	0.34	0.30	6.11	5.36	8.5
Food Sales and Service	1,424	188	1,261	1,108	132.04	0.89	0.78	6.71	5.89	8.9
Health Care	2,047	218	1,264	1,109	106.27	0.62	0.54	5.81	5.10	11.7
Lodging	1,720	170	996	874	99.06	0.58	0.51	5.84	5.13	10.4
Mercantile and Service	7,905	327	2,169	1,904	41.41	0.27	0.24	6.63	5.82	9.2
Office	5,496	365	2,276	1,999	66.45	0.41	0.36	6.23	5.47	10.2
Warehouse	4,348	235	1,463	1,285	54.12	0.34	0.30	6.22	5.46	10.3
Other	1,264	78	457	401	61.31	0.36	0.32	5.90	5.18	12.4
Vacant	1,263	67	403	354	53.15	0.32	0.28	6.00	5.27	13.1
Building Floorspace (square feet)										
1,001 to 2,000	474	132	791	695	278.09	1.67	1.47	6.00	5.27	20.3
2,001 to 5,000	1,832	280	1,809	1,589	152.79	0.99	0.87	6.46	5.68	10.1
5,001 to 10,000	3,227	272	1,826	1,603	84.37	0.57	0.50	6.70	5.89	10.6
10,001 to 25,000	5,236	267	1,734	1,522	50.94	0.33	0.29	6.50	5.71	6.4
25,001 to 50,000	4,934	308	1,923	1,688	62.42	0.39	0.34	6.24	5.48	8.1
50,001 to 100,000	4,655	235	1,452	1,275	50.44	0.31	0.27	6.18	5.43	9.6
100,001 to 200,000	4,872	230	1,354	1,189	47.16	0.28	0.24	5.89	5.17	5.8
200,001 to 500,000	4,923	233	1,404	1,233	47.40	0.29	0.25	6.02	5.28	9.6
Over 500,000	3,782	134	740	650	35.44	0.20	0.17	5.52	4.85	16.8
Year Constructed										
1899 or Before	1,323	55	364	320	41.56	0.28	0.24	6.63	5.82	11.6
1900 to 1919	3,123	147	925	812	47.11	0.30	0.26	6.28	5.52	10.3
1920 to 1945	5,850	352	2,252	1,977	60.20	0.38	0.34	6.40	5.62	7.0
1946 to 1959	6,196	359	2,225	1,953	57.94	0.36	0.32	6.20	5.44	7.8
1960 to 1969	7,191	447	2,729	2,396	62.23	0.38	0.33	6.10	5.35	7.1
1970 to 1979	6,609	559	3,536	3,105	84.62	0.54	0.47	6.32	5.55	7.8
1980 to 1983	3,643	171	1,002	880	46.83	0.28	0.24	5.87	5.16	16.3

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C12.83. Total and Average Consumption and Expenditures for Fuel Oil in Commercial Buildings, 1983

Building Characteristics	Total				Average					RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1983 Dollars		1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
RSE Column Factors:	1.3	1.8	1.8	1.8	1.6	1.5	1.5	0.2	0.2	
All Buildings	9,409	314	2,394	2,102	33.42	0.25	0.22	7.61	6.68	7.2
Census Region										
Northeast	4,205	172	1,770	1,141	40.83	0.31	0.27	7.57	6.65	5.9
Midwest	1,767	28	1,300	198	15.98	0.13	0.11	7.98	7.01	13.5
South	2,840	104	225	688	36.73	0.28	0.24	7.51	6.60	16.7
West	597	Q	Q	Q	17.15	Q	Q	8.37	7.35	23.5
Census Division ¹										
New England										
Middle Atlantic										
East North Central										
West North Central										
South Atlantic										
East South Central										
West South Central										
Mountain										
Pacific										
Principal Building Activity										
Assembly	754	24	216	189	32.36	0.29	0.25	8.83	7.75	12.6
Education	1,431	61	441	387	42.83	0.31	0.27	7.19	6.31	8.5
Food Sales and Service . . .	281	Q	Q	Q	30.76	0.27	0.23	8.67	7.61	16.4
Health Care	1,221	28	185	162	23.22	0.15	0.13	6.53	5.73	16.6
Lodging	521	Q	Q	Q	35.28	0.25	0.22	7.14	6.27	22.4
Mercantile and Service . . .	1,499	43	363	319	28.77	0.24	0.21	8.41	7.39	11.4
Office	1,589	Q	Q	Q	47.37	0.36	0.32	7.58	6.65	20.8
Warehouse	1,114	33	236	207	29.23	0.21	0.19	7.26	6.37	17.8
Other	647	13	107	94	Q	Q	Q	7.99	7.01	17.7
Vacant	353	9	70	61	25.56	0.20	0.17	7.76	6.82	17.1
Building Floorspace (square feet)										
1,001 to 2,000	92	7	61	53	72.40	0.66	0.58	9.07	7.96	10.4
2,001 to 5,000	452	32	267	234	70.04	0.59	0.52	8.44	7.41	13.8
5,001 to 10,000	668	47	390	342	69.70	0.58	0.51	8.37	7.35	17.9
10,001 to 25,000	1,326	Q	Q	Q	Q	Q	Q	8.20	7.20	16.6
25,001 to 50,000	979	36	272	239	36.79	0.28	0.24	7.55	6.63	11.4
50,001 to 100,000	1,058	37	258	226	34.73	0.24	0.21	7.01	6.15	14.7
100,001 to 200,000	1,304	36	251	220	27.76	0.19	0.17	6.93	6.08	11.0
200,001 to 500,000	2,331	39	254	223	16.83	0.11	0.10	6.49	5.69	18.7
Over 500,000	1,200	Q	Q	Q	11.97	0.08	0.07	6.47	5.68	25.3
Year Constructed										
1899 or Before	387	15	127	112	39.97	0.33	0.29	8.22	7.22	14.6
1900 to 1919	936	35	270	237	36.86	0.29	0.25	7.83	6.87	11.7
1920 to 1945	1,764	87	679	596	49.39	0.39	0.34	7.80	6.84	13.6
1946 to 1959	2,399	71	551	484	29.76	0.23	0.20	7.72	6.78	11.9
1960 to 1969	1,498	Q	Q	Q	Q	Q	Q	7.71	6.77	16.8
1970 to 1979	1,530	47	318	279	30.71	0.21	0.18	6.76	5.93	15.3
1980 to 1983	895	8	54	48	Q	Q	Q	6.94	6.09	27.1

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C13.83. Total and Average Consumption and Expenditures for District Heat in Commercial Buildings, 1983

Building Characteristics	Total			Average			RSE Row Factors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures ¹ (million dollars)	Consumption (thousand Btu per sq.ft.)	Expenditures ¹ (dollars per sq.ft.)	Expenditures ¹ (dollars per million Btu)	
	RSE Column Factors:	1.3	1.5	1.4	1.0	1.0	0.4
All Buildings	4,454	289	2,627	64.79	0.59	9.10	12.7
Census Region							
Northeast	1,319	84	977	63.55	0.74	11.66	18.7
Midwest	1,881	141	1,045	75.07	0.56	7.40	20.2
South	769	34	329	43.97	0.43	9.74	19.9
West	485	30	275	61.32	0.57	9.25	23.6
Census Division²							
New England							
Middle Atlantic							
East North Central							
West North Central							
South Atlantic							
East South Central							
West South Central							
Mountain							
Pacific							
Principal Building Activity							
Assembly	501	26	222	51.22	0.44	8.66	25.0
Education	408	21	157	51.27	0.38	7.50	25.0
Food Sales and Service	81	Q	Q	65.20	0.64	9.76	33.4
Health Care	392	70	613	177.70	1.56	8.79	13.8
Lodging	512	22	202	43.75	0.39	9.00	21.5
Mercantile and Service	Q	Q	Q	Q	Q	8.59	51.4
Office	1,197	68	664	56.58	0.55	9.80	22.5
Warehouse	Q	Q	Q	Q	Q	10.56	42.1
Other	443	31	288	69.38	0.65	9.39	23.3
Vacant	287	16	147	57.23	0.51	8.93	30.1
Building Floorspace (square feet)							
1,001 to 2,000	*	*	*	NC	NC	NC	0.0
2,001 to 5,000	Q	Q	Q	72.23	0.83	11.51	16.4
5,001 to 10,000	60	3	23	49.82	0.38	7.56	37.9
10,001 to 25,000	225	23	231	100.11	1.03	10.24	27.2
25,001 to 50,000	427	Q	240	Q	Q	8.87	26.8
50,001 to 100,000	606	33	296	54.60	0.49	8.93	14.4
100,001 to 200,000	672	Q	546	90.64	0.81	8.97	27.5
200,001 to 500,000	1,629	91	815	55.81	0.50	8.96	20.8
Over 500,000	817	50	462	60.94	0.57	9.28	13.5
Year Constructed							
1899 or Before	Q	Q	Q	Q	0.42	8.96	49.3
1900 to 1919	493	20	201	40.60	0.41	10.04	23.9
1920 to 1945	1,010	Q	606	67.22	0.60	8.92	30.8
1946 to 1959	852	62	536	72.83	0.63	8.63	13.8
1960 to 1969	960	77	731	80.11	0.76	9.50	16.8
1970 to 1979	579	39	358	67.68	0.62	9.12	17.5
1980 to 1983	Q	Q	Q	35.38	0.30	8.50	36.7

¹ Current (1983) dollars only.

² Census Division Data were not collected in 1983.

* = Value rounds to zero in the units displayed.

NC = No cases in sample.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C14A.83p. Total Primary Consumption and Number of Buildings for All End Uses by Energy Source in Commercial Buildings, 1983

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)	
	0.6	0.6	0.8	0.6	0.9	0.8	1.0	1.2	1.7	2.0	1.9	
RSE Column Factors:	0.6	0.6	0.8	0.6	0.9	0.8	1.0	1.2	1.7	2.0	1.9	
All Buildings	3,185	3,062	9,257	3,052	6,564	1,904	2,091	441	314	57	289	8.8
Census Region												
Northeast	525	510	1,534	509	1,000	329	278	180	172	15	84	14.9
Midwest	987	950	3,222	946	2,074	759	978	88	28	21	141	14.0
South	1,183	1,130	3,129	1,126	2,468	517	523	142	104	Q	34	17.3
West	490	472	1,372	472	1,021	299	311	31	Q	10	30	23.5
Census Division ¹												
New England												
Middle Atlantic												
East North Central												
West North Central												
South Atlantic												
East South Central												
West South Central												
Mountain												
Pacific												
Principal Building Activity												
Assembly	420	417	617	415	370	262	196	80	24	8	26	16.6
Education	171	171	798	171	470	115	246	31	61	8	Q	18.8
Food Sales and Service	322	322	854	320	652	202	188	33	Q	3	Q	14.7
Health Care	54	54	769	54	453	36	218	10	28	Q	70	21.1
Lodging	97	97	678	97	466	63	170	12	Q	10	22	22.1
Mercantile and Service	900	889	1,699	887	1,313	581	327	138	43	3	Q	13.7
Office	501	501	2,079	500	1,571	314	365	62	Q	9	68	13.6
Warehouse	357	336	873	336	591	183	235	42	33	Q	Q	15.4
Other	127	123	548	123	426	68	78	19	13	6	31	16.8
Vacant	237	152	345	150	252	81	67	Q	9	4	Q	23.0
Building Floorspace (square feet)												
1,001 to 2,000	552	517	310	515	172	314	132	60	7	*	*	16.7
2,001 to 5,000	1,039	988	938	985	625	549	280	134	32	Q	1	12.4
5,001 to 10,000	687	667	970	664	648	442	272	96	47	8	Q	13.2
10,001 to 25,000	519	511	1,312	510	956	334	267	90	Q	13	Q	12.3
25,001 to 50,000	209	203	1,311	203	940	141	308	27	36	13	Q	14.7
50,001 to 100,000	103	100	1,192	100	887	69	235	16	37	9	33	14.1
100,001 to 200,000	48	47	1,084	47	757	36	230	9	36	5	61	14.2
200,001 to 500,000	24	23	1,373	23	1,009	17	233	8	39	5	91	18.1
Over 500,000	5	5	768	5	570	4	134	1	Q	1	50	27.8
Year Constructed												
1899 or Before	157	153	197	153	115	103	55	39	15	Q	Q	22.7
1900 to 1919	303	287	482	286	280	199	147	57	35	6	20	15.1
1920 to 1945	626	589	1,442	584	935	411	352	98	87	16	68	14.1
1946 to 1959	671	626	1,464	624	972	395	359	115	71	18	62	11.9
1960 to 1969	601	594	1,916	594	1,340	378	447	64	Q	8	77	13.9
1970 to 1979	697	685	2,659	685	2,013	346	559	62	47	4	39	14.5
1980 to 1983	131	127	1,097	127	907	72	171	6	8	Q	11	23.6

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C14A.83s. Total Site Consumption and Number of Buildings for All End Uses by Energy Source in Commercial Buildings, 1983

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)	
	0.6	0.6	0.8	0.6	0.9	0.8	1.0	1.2	1.7	2.0	1.9	
RSE Column Factors:												
All Buildings	3,185	3,062	4,823	3,052	2,129	1,904	2,091	441	314	57	289	8.6
Census Region												
Northeast	525	510	858	509	324	329	278	180	172	15	84	13.1
Midwest	987	950	1,820	946	673	759	978	88	28	21	141	14.9
South	1,183	1,130	1,462	1,126	801	517	523	142	104	Q	34	15.8
West	490	472	682	472	331	299	311	31	10	10	30	22.4
Census Division¹												
New England												
Middle Atlantic												
East North Central												
West North Central												
South Atlantic												
East South Central												
West South Central												
Mountain												
Pacific												
Principal Building Activity												
Assembly	420	417	367	415	120	262	196	80	24	8	26	16.3
Education	171	171	480	171	152	115	246	31	61	8	21	17.7
Food Sales and Service	322	322	414	320	212	202	188	33	9	3	Q	15.0
Health Care	54	54	463	54	147	36	218	10	28	Q	70	20.6
Lodging	97	97	362	97	151	63	170	12	18	10	22	20.3
Mercantile and Service	900	889	812	887	426	581	327	138	43	3	Q	12.5
Office	501	501	1,018	500	509	314	365	62	75	9	68	14.8
Warehouse	357	336	474	336	192	183	235	42	33	Q	Q	14.7
Other	127	123	260	123	138	68	78	19	13	6	31	19.3
Vacant	237	152	174	150	82	81	67	Q	9	4	16	21.7
Building Floorspace (square feet)												
1,001 to 2,000	552	517	194	515	56	314	132	60	7	*	*	16.3
2,001 to 5,000	1,039	988	516	985	203	549	280	134	32	Q	Q	12.1
5,001 to 10,000	687	667	532	664	210	442	272	96	47	8	3	15.7
10,001 to 25,000	519	511	666	510	310	334	267	90	67	13	23	12.9
25,001 to 50,000	209	203	676	203	305	141	308	27	36	13	Q	14.3
50,001 to 100,000	103	100	592	100	288	69	235	16	37	9	33	13.0
100,001 to 200,000	48	47	572	47	246	36	230	9	36	5	Q	13.7
200,001 to 500,000	24	23	691	23	327	17	233	8	39	5	91	16.2
Over 500,000	5	5	383	5	185	4	134	1	14	1	50	25.1
Year Constructed												
1899 or Before	157	153	119	153	37	103	55	39	15	Q	Q	22.8
1900 to 1919	303	287	293	286	91	199	147	57	35	6	20	15.3
1920 to 1945	626	589	811	584	303	411	352	98	87	16	Q	13.3
1946 to 1959	671	626	808	624	315	395	359	115	71	18	62	12.0
1960 to 1969	601	594	1,010	594	435	378	447	64	51	8	77	13.7
1970 to 1979	697	685	1,298	685	653	346	559	62	47	4	39	14.7
1980 to 1983	131	127	484	127	294	72	171	6	8	Q	Q	21.0

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C14B.83p. Total Primary Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1983

Building Characteristics	All Build- ings	Energy Sources										RSE Row Fac- tors
		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)	
	0.7	0.7	0.8	0.7	0.9	0.8	1.0	1.2	1.7	1.7	1.8	
All Buildings	49,471	48,458	9,257	48,327	6,564	33,935	2,091	9,409	314	4,454	289	9.7
Census Region												
Northeast	10,253	10,051	1,534	9,982	1,000	6,948	278	4,205	172	1,319	84	14.0
Midwest	15,248	14,914	3,222	14,881	2,074	12,793	978	1,767	28	1,881	141	13.7
South	16,611	16,253	3,129	16,224	2,468	9,170	523	2,840	104	769	34	19.1
West	7,359	7,240	1,372	7,240	1,021	5,024	311	597	Q	485	30	22.1
Census Division¹												
New England												
Middle Atlantic												
East North Central												
West North Central												
South Atlantic												
East South Central												
West South Central												
Mountain												
Pacific												
Principal Building Activity												
Assembly	5,460	5,452	617	5,426	370	4,018	196	754	24	501	26	17.9
Education	6,041	6,041	798	6,034	470	4,448	246	1,431	61	408	Q	16.8
Food Sales and Service	2,012	2,010	854	2,008	652	1,424	188	281	Q	81	Q	13.5
Health Care	2,271	2,271	769	2,271	453	2,047	218	1,221	28	392	70	18.1
Lodging	2,235	2,235	678	2,235	466	1,720	170	521	Q	512	22	20.7
Mercantile and Service	10,322	10,244	1,699	10,238	1,313	7,905	327	1,499	43	Q	Q	20.1
Office	8,311	8,300	2,079	8,271	1,571	5,496	365	1,589	Q	1,197	68	12.9
Warehouse	6,763	6,677	873	6,677	591	4,348	235	1,114	33	Q	Q	16.6
Other	2,743	2,725	548	2,725	426	1,264	78	647	13	443	31	18.9
Vacant	3,315	2,503	345	2,441	252	1,263	67	353	9	287	Q	23.6
Building Floorspace (square feet)												
1,001 to 2,000	830	780	310	778	172	474	132	92	7	*	*	16.7
2,001 to 5,000	3,453	3,294	938	3,282	625	1,832	280	452	32	Q	1	12.1
5,001 to 10,000	4,981	4,818	970	4,795	648	3,227	272	668	47	60	Q	13.4
10,001 to 25,000	8,164	8,046	1,312	8,024	956	5,236	267	1,326	Q	225	Q	12.3
25,001 to 50,000	7,260	7,038	1,311	7,038	940	4,934	308	979	36	427	Q	15.0
50,001 to 100,000	6,928	6,736	1,192	6,729	887	4,655	235	1,058	37	607	33	13.7
100,001 to 200,000	6,393	6,364	1,084	6,362	757	4,872	230	1,304	36	672	61	13.9
200,001 to 500,000	7,045	6,963	1,373	6,908	1,009	4,923	233	2,331	39	1,629	91	18.1
Over 500,000	4,418	4,418	768	4,411	570	3,782	134	1,200	Q	817	50	30.4
Year Constructed												
1899 or Before	1,838	1,788	197	1,788	115	1,323	55	387	15	Q	Q	20.5
1900 to 1919	4,539	4,360	482	4,343	280	3,123	147	936	35	493	20	14.0
1920 to 1945	8,711	8,306	1,442	8,233	935	5,850	352	1,764	87	1,010	68	15.4
1946 to 1959	8,419	8,247	1,464	8,233	972	6,196	359	2,399	71	852	62	13.0
1960 to 1969	9,538	9,484	1,916	9,478	1,340	7,191	447	1,498	Q	960	77	13.3
1970 to 1979	10,803	10,692	2,659	10,678	2,013	6,609	559	1,530	47	579	39	12.5
1980 to 1983	5,623	5,580	1,097	5,573	907	3,643	171	895	8	Q	11	35.1

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

Table C14B.83p. Total Primary Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1983

Building Characteristics	All Build- ings	Energy Sources										RSE Row Fac- tors
		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)	
	0.7	0.7	0.8	0.7	0.9	0.8	1.0	1.2	1.7	1.7	1.8	
RSE Column Factors:	0.7	0.7	0.8	0.7	0.9	0.8	1.0	1.2	1.7	1.7	1.8	
All Buildings	49,471	48,458	9,257	48,327	6,564	33,935	2,091	9,409	314	4,454	289	9.7
Census Region												
Northeast	10,253	10,051	1,534	9,982	1,000	6,948	278	4,205	172	1,319	84	14.0
Midwest	15,248	14,914	3,222	14,881	2,074	12,793	978	1,767	28	1,881	141	13.7
South	16,611	16,253	3,129	16,224	2,468	9,170	523	2,840	104	769	34	19.1
West	7,359	7,240	1,372	7,240	1,021	5,024	311	597	Q	485	30	22.1
Census Division¹												
New England												
Middle Atlantic												
East North Central												
West North Central												
South Atlantic												
East South Central												
West South Central												
Mountain												
Pacific												
Principal Building Activity												
Assembly	5,460	5,452	617	5,426	370	4,018	196	754	24	501	26	17.9
Education	6,041	6,041	798	6,034	470	4,448	246	1,431	61	408	Q	16.8
Food Sales and Service	2,012	2,010	854	2,008	652	1,424	188	281	Q	81	Q	13.5
Health Care	2,271	2,271	769	2,271	453	2,047	218	1,221	28	392	70	18.1
Lodging	2,235	2,235	678	2,235	466	1,720	170	521	Q	512	22	20.7
Mercantile and Service	10,322	10,244	1,699	10,238	1,313	7,905	327	1,499	43	Q	Q	20.1
Office	8,311	8,300	2,079	8,271	1,571	5,496	365	1,589	Q	1,197	68	12.9
Warehouse	6,763	6,677	873	6,677	591	4,348	235	1,114	33	Q	Q	16.6
Other	2,743	2,725	548	2,725	426	1,264	78	647	13	443	31	18.9
Vacant	3,315	2,503	345	2,441	252	1,263	67	353	9	287	Q	23.6
Building Floorspace (square feet)												
1,001 to 2,000	830	780	310	778	172	474	132	92	7	*	*	16.7
2,001 to 5,000	3,453	3,294	938	3,282	625	1,832	280	452	32	Q	1	12.1
5,001 to 10,000	4,981	4,818	970	4,795	648	3,227	272	668	47	60	Q	13.4
10,001 to 25,000	8,164	8,046	1,312	8,024	956	5,236	267	1,326	Q	225	Q	12.3
25,001 to 50,000	7,260	7,038	1,311	7,038	940	4,934	308	979	36	427	Q	15.0
50,001 to 100,000	6,928	6,736	1,192	6,729	887	4,655	235	1,058	37	607	33	13.7
100,001 to 200,000	6,393	6,364	1,084	6,362	757	4,872	230	1,304	36	672	61	13.9
200,001 to 500,000	7,045	6,963	1,373	6,908	1,009	4,923	233	2,331	39	1,629	91	18.1
Over 500,000	4,418	4,418	768	4,411	570	3,782	134	1,200	Q	817	50	30.4
Year Constructed												
1899 or Before	1,838	1,788	197	1,788	115	1,323	55	387	15	Q	Q	20.5
1900 to 1919	4,539	4,360	482	4,343	280	3,123	147	936	35	493	20	14.0
1920 to 1945	8,711	8,306	1,442	8,233	935	5,850	352	1,764	87	1,010	68	15.4
1946 to 1959	8,419	8,247	1,464	8,233	972	6,196	359	2,399	71	852	62	13.0
1960 to 1969	9,538	9,484	1,916	9,478	1,340	7,191	447	1,498	Q	960	77	13.3
1970 to 1979	10,803	10,692	2,659	10,678	2,013	6,609	559	1,530	47	579	39	12.5
1980 to 1983	5,623	5,580	1,097	5,573	907	3,643	171	895	8	Q	11	35.1

¹ Census Division Data were not collected in 1983.

* = 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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.

**Table C20.83. Total Expenditures (1987 and 1983 Dollars) for All End Uses in Commercial Buildings, 1983
(Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		
	1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	1987 Dollars	1983 Dollars	
	0.8	0.8	0.9	0.9	0.9	0.9	1.6	1.6	
RSE Column Factors:	0.8	0.8	0.9	0.9	0.9	0.9	1.6	1.6	
All Buildings	63,156	55,451	44,737	39,279	13,033	11,443	2,394	2,102	8.4
Census Region									
Northeast	14,122	12,399	9,574	8,406	2,135	1,874	1,300	1,141	9.5
Midwest	20,512	18,009	13,205	11,594	5,891	5,172	225	198	14.3
South	20,351	17,868	16,146	14,176	3,046	2,675	784	688	17.0
West	8,171	7,174	5,812	5,103	1,961	1,721	Q	Q	21.3
Census Division ¹									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	4,600	4,039	2,888	2,536	1,244	1,092	216	189	14.7
Education	5,451	4,786	3,331	2,925	1,500	1,317	441	387	16.8
Food Sales and Service	5,898	5,178	4,503	3,954	1,261	1,108	Q	Q	14.7
Health Care	4,975	4,368	2,828	2,483	1,264	1,109	185	162	15.5
Lodging	4,425	3,885	3,068	2,694	996	874	Q	Q	18.9
Mercantile and Service	11,342	9,958	8,658	7,602	2,169	1,904	363	319	13.2
Office	14,595	12,814	10,992	9,651	2,276	1,999	Q	Q	16.0
Warehouse	5,857	5,142	3,987	3,501	1,463	1,285	236	207	15.6
Other	3,594	3,156	2,702	2,372	457	401	107	94	22.9
Vacant	2,419	2,124	1,779	1,562	403	354	70	61	22.2
Building Floorspace (square feet)									
1,001 to 2,000	2,300	2,019	1,448	1,271	791	695	61	53	19.7
2,001 to 5,000	6,737	5,915	4,644	4,078	1,809	1,589	267	234	15.6
5,001 to 10,000	6,784	5,957	4,543	3,989	1,826	1,603	390	342	17.5
10,001 to 25,000	9,442	8,290	6,896	6,054	1,734	1,522	Q	Q	14.3
25,001 to 50,000	9,033	7,931	6,565	5,764	1,923	1,688	272	239	13.9
50,001 to 100,000	7,696	6,757	5,649	4,960	1,452	1,275	258	226	15.6
100,001 to 200,000	7,162	6,288	4,935	4,333	1,354	1,189	251	220	12.7
200,001 to 500,000	9,069	7,962	6,482	5,691	1,404	1,233	254	223	15.0
Over 500,000	4,933	4,332	3,574	3,138	740	650	Q	Q	26.0
Year Constructed									
1899 or Before	1,586	1,393	980	860	364	320	127	112	21.9
1900 to 1919	3,524	3,094	2,100	1,844	925	812	270	237	13.5
1920 to 1945	10,555	9,268	6,934	6,088	2,252	1,977	679	596	15.4
1946 to 1959	10,134	8,898	6,748	5,925	2,225	1,953	551	484	12.2
1960 to 1969	12,933	11,355	8,977	7,882	2,729	2,396	Q	Q	14.2
1970 to 1979	17,745	15,580	13,484	11,839	3,536	3,105	318	279	12.6
1980 to 1983	6,678	5,863	5,513	4,841	1,002	880	54	48	22.8

¹ Census Division Data were not collected in 1983.

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-788 of the 1983 Nonresidential Buildings Energy Consumption Survey.