

Table C1.79. Commercial Building Characteristics, 1979

Building Characteristics	Total Floorspace (million square feet)	Buildings (thousand)	Floorspace per Building (square feet)	RSE Row Factors
	RSE Column Factors:	1.3	1.3	
All Buildings	43,546	3,073	14,169	4.9
Census Region				
Northeast	9,531	530	17,983	10.1
Midwest	14,197	977	14,529	9.5
South	13,661	1,094	12,485	9.2
West	6,156	472	13,046	10.0
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	5,329	425	12,529	8.9
Education	5,969	158	37,801	11.3
Food Sales and Service	1,770	317	5,590	7.1
Health Care	1,955	50	39,363	17.5
Lodging	2,074	97	21,365	13.7
Mercantile and Service	9,959	968	10,288	7.8
Office	6,986	455	15,351	6.5
Warehouse	6,007	367	16,380	8.1
Other	2,129	115	18,474	11.2
Vacant	1,367	122	11,246	16.1
Building Floorspace (square feet)				
1,001 to 2,000	786	532	1,477	4.8
2,001 to 5,000	3,356	1,000	3,354	3.2
5,001 to 10,000	5,073	706	7,185	4.7
10,001 to 25,000	7,665	486	15,759	4.8
25,001 to 50,000	6,780	193	35,169	4.9
50,001 to 100,000	6,449	94	68,399	5.6
100,001 to 200,000	5,558	41	136,397	6.0
200,001 to 500,000	5,169	17	296,676	6.1
Over 500,000	2,710	3	881,618	12.1
Year Constructed				
1899 or Before	1,999	168	11,900	12.1
1900 to 1919	4,660	327	14,266	7.8
1920 to 1945	8,660	625	13,851	8.9
1946 to 1959	8,391	686	12,226	7.3
1960 to 1969	9,360	592	15,805	8.4
1970 to 1979	10,478	675	15,521	7.9

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C2A.79. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1979

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.)	
	RSE Column Factors:	0.9	0.9	1.0	0.9	1.0	0.9	1.2	
All Buildings	3,073	43,546	3,014	43,220	3,001	43,153	1,864	30,477	6.3
Census Region									
Northeast	530	9,531	522	9,488	516	9,455	339	6,746	11.8
Midwest	977	14,197	963	14,169	960	14,160	732	11,807	10.3
South	1,094	13,661	1,065	13,439	1,062	13,425	507	7,771	13.1
West	472	6,156	464	6,124	463	6,113	286	4,153	14.1
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	425	5,329	425	5,329	423	5,321	271	4,001	12.1
Education	158	5,969	158	5,969	158	5,965	98	4,170	11.6
Food Sales and Service	317	1,770	317	1,770	315	1,766	195	1,141	8.6
Health Care	50	1,955	50	1,955	50	1,953	35	1,742	16.9
Lodging	97	2,074	97	2,074	97	2,074	56	1,527	13.8
Mercantile and Service	968	9,959	968	9,959	962	9,922	641	7,563	9.1
Office	455	6,986	455	6,986	455	6,979	278	4,611	8.2
Warehouse	367	6,007	339	5,940	339	5,940	168	3,639	9.2
Other	115	2,129	115	2,115	115	2,115	60	1,393	13.3
Vacant	122	1,367	91	1,123	87	1,117	60	690	20.8
Building Floorspace (square feet)									
1,001 to 2,000	532	786	514	763	514	763	278	414	10.0
2,001 to 5,000	1,000	3,356	973	3,269	963	3,237	564	1,924	6.1
5,001 to 10,000	706	5,073	696	4,997	694	4,986	442	3,237	8.2
10,001 to 25,000	486	7,665	485	7,648	484	7,636	333	5,172	9.4
25,001 to 50,000	193	6,780	190	6,702	190	6,702	134	4,762	9.8
50,001 to 100,000	94	6,449	94	6,418	94	6,418	65	4,472	10.5
100,001 to 200,000	41	5,558	41	5,550	41	5,548	31	4,268	10.0
200,001 to 500,000	17	5,169	17	5,164	17	5,160	14	4,122	10.3
Over 500,000	3	2,710	3	2,710	3	2,703	2	2,106	17.5
Year Constructed									
1899 or Before	168	1,999	166	1,951	166	1,951	111	1,479	15.1
1900 to 1919	327	4,660	323	4,635	316	4,611	251	3,676	8.9
1920 to 1945	625	8,660	607	8,601	604	8,591	429	6,374	9.3
1946 to 1959	686	8,391	672	8,323	670	8,312	397	6,067	9.9
1960 to 1969	592	9,360	588	9,328	588	9,328	372	6,920	8.9
1970 to 1979	675	10,478	658	10,383	656	10,361	304	5,961	9.2

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C2B.79. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1979 (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.)	
	0.6	0.6	1.2	1.1	1.6	1.3	1.0	1.0	
RSE Column Factors:	0.6	0.6	1.2	1.1	1.6	1.3	1.0	1.0	
All Buildings	641	11,397	47	3,722	7	485	214	2,797	17.0
Census Region									
Northeast	227	4,415	13	1,209	Q	53	Q	437	28.3
Midwest	163	2,973	16	1,514	Q	Q	64	727	28.6
South	191	2,968	Q	631	*	173	101	1,404	22.7
West	60	1,040	Q	368	3	87	22	229	31.8
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	123	1,372	Q	502	Q	Q	35	303	26.8
Education	46	2,285	8	399	Q	Q	12	469	34.2
Food Sales and Service	45	319	2	63	Q	Q	49	302	36.7
Health Care	12	1,117	3	212	Q	Q	Q	107	28.2
Lodging	17	453	Q	468	*	46	10	130	37.1
Mercantile and Service	225	2,087	Q	304	Q	Q	55	633	28.8
Office	71	1,748	9	1,149	1	218	12	139	25.1
Warehouse	65	1,302	2	159	Q	Q	20	591	32.6
Other	26	536	4	297	Q	Q	16	106	38.5
Vacant	9	178	Q	Q	*	*	Q	Q	57.6
Building Floorspace (square feet)									
1,001 to 2,000	89	128	Q	Q	*	*	47	73	27.1
2,001 to 5,000	190	625	Q	Q	*	*	60	208	24.2
5,001 to 10,000	164	1,164	6	49	Q	Q	57	381	26.1
10,001 to 25,000	111	1,757	11	184	Q	Q	32	536	23.8
25,001 to 50,000	45	1,585	11	349	2	66	9	316	28.3
50,001 to 100,000	21	1,385	8	542	Q	Q	5	357	23.5
100,001 to 200,000	14	1,921	5	644	*	Q	3	407	26.9
200,001 to 500,000	7	1,843	4	1,183	Q	Q	1	306	22.5
Over 500,000	1	990	1	763	*	198	Q	Q	28.4
Year Constructed									
1899 or Before	50	551	Q	288	*	*	16	148	41.2
1900 to 1919	74	1,296	7	653	Q	33	17	256	30.1
1920 to 1945	156	2,685	10	830	Q	Q	42	427	25.5
1946 to 1959	167	2,730	13	595	Q	Q	55	557	22.9
1960 to 1969	95	2,091	8	846	Q	101	28	Q	22.0
1970 to 1979	99	2,044	Q	509	Q	160	56	938	19.6

¹ Census Division Data were not collected in 1979.

* = 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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C3.79. Energy Sources Used for Space Heating in Commercial Buildings, Number of Buildings and Total Floorspace, 1979

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.)	
	0.5	0.5	1.0	0.9	0.7	0.7	1.0	0.9	1.8	1.6	1.5	1.7	
RSE Column Factors:	0.5	0.5	1.0	0.9	0.7	0.7	1.0	0.9	1.8	1.6	1.5	1.7	
All Buildings	2,814	41,424	769	10,724	1,605	23,725	593	9,186	44	3,586	131	970	11.2
Census Region													
Northeast	506	9,353	76	1,701	254	3,813	220	4,112	12	1,192	Q	44	19.7
Midwest	913	13,852	116	1,891	681	10,342	142	2,109	15	1,455	44	405	18.9
South	979	12,501	420	4,917	422	6,026	179	2,411	Q	620	61	411	20.6
West	416	5,718	156	2,214	249	3,543	52	554	Q	320	Q	111	19.3
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	420	5,311	100	973	243	3,218	121	1,287	Q	465	16	86	19.6
Education	158	5,969	39	1,210	74	2,910	42	2,013	8	395	Q	42	23.0
Food Sales and Service	305	1,741	93	497	166	969	39	Q	2	63	25	113	19.6
Health Care	50	1,955	11	288	31	1,449	8	460	3	204	Q	Q	23.6
Lodging	95	2,067	46	717	35	741	15	366	Q	463	4	59	26.0
Mercantile and Service	912	9,632	193	2,651	579	6,460	211	1,879	Q	304	46	299	17.8
Office	453	6,984	161	2,148	245	3,414	64	1,360	9	1,087	9	86	16.8
Warehouse	259	5,026	81	1,547	152	3,269	61	1,041	2	159	14	249	20.0
Other	104	1,992	27	555	47	927	22	365	Q	287	Q	Q	22.9
Vacant	59	747	19	138	33	368	8	167	Q	Q	Q	Q	36.7
Building Floorspace (square feet)													
1,001 to 2,000	455	682	121	183	240	360	83	120	Q	Q	36	56	16.4
2,001 to 5,000	898	3,026	243	802	489	1,670	181	598	Q	Q	39	134	14.6
5,001 to 10,000	669	4,826	186	1,288	398	2,915	156	1,105	5	40	36	228	17.9
10,001 to 25,000	461	7,255	136	2,282	289	4,450	102	1,605	10	165	13	243	17.6
25,001 to 50,000	182	6,435	45	1,588	105	3,722	39	1,337	11	349	4	167	16.7
50,001 to 100,000	90	6,162	25	1,683	50	3,484	16	1,085	7	536	*	39	17.0
100,001 to 200,000	39	5,367	7	1,010	24	3,257	10	1,403	4	590	Q	33	17.4
200,001 to 500,000	17	4,967	3	822	9	2,634	5	1,374	3	1,154	Q	Q	16.6
Over 500,000	3	2,704	1	1,064	1	1,232	1	558	1	743	*	*	28.6
Year Constructed													
1899 or Before	159	1,893	15	193	99	1,069	48	487	Q	Q	Q	Q	30.5
1900 to 1919	306	4,458	37	473	212	2,472	67	1,123	7	646	Q	Q	17.3
1920 to 1945	563	7,821	101	1,302	384	4,970	146	2,413	10	801	28	186	17.0
1946 to 1959	612	8,047	139	1,732	341	4,843	156	2,341	13	582	Q	Q	17.5
1960 to 1969	559	9,100	174	2,369	326	5,500	87	1,542	7	814	19	101	16.5
1970 to 1979	614	10,105	302	4,654	244	4,871	89	1,279	Q	483	39	448	15.0

¹ Census Division Data were not collected in 1979.

* = 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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C4.79. Energy Sources Used for Cooling in Commercial Buildings, Number of Buildings and Total Floorspace, 1979

Building Characteristics	Energy Sources								RSE Row Factors
	Any Energy Source		Electricity		Natural Gas		District Chilled Water ¹		
	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	0.8	0.8	1.8	1.8	0.0	0.0	
RSE Column Factors:	0.8	0.7	0.8	0.8	1.8	1.8	0.0	0.0	
All Buildings	2,051	34,236	1,935	32,018	133	2,697	*	*	8.4
Census Region									
Northeast	338	7,607	306	6,957	34	517	*	*	12.7
Midwest	653	11,281	620	10,425	46	1,169	*	*	13.9
South	844	11,819	817	11,448	26	607	*	*	16.5
West	216	3,529	193	3,188	27	404	*	*	15.7
Census Division ²									
New England									
Middle Atlantic									
East North Central									
West North Central									
South Atlantic									
East South Central									
West South Central									
Mountain									
Pacific									
Principal Building Activity									
Assembly	280	3,896	260	3,523	15	388	*	*	17.9
Education	107	4,207	103	3,962	4	190	*	*	18.2
Food Sales and Service	263	1,512	244	1,445	17	62	*	*	14.1
Health Care	44	1,933	41	1,706	4	331	*	*	21.4
Lodging	68	1,663	66	1,543	3	114	*	*	23.5
Mercantile and Service	584	7,843	563	7,614	32	532	*	*	13.4
Office	424	6,731	396	6,099	33	514	*	*	11.8
Warehouse	165	4,156	158	3,943	10	347	*	*	15.6
Other	71	1,696	67	1,651	6	128	*	*	19.6
Vacant	45	600	38	532	Q	91	*	*	28.6
Building Floorspace (square feet)									
1,001 to 2,000	305	455	287	428	17	25	*	*	21.0
2,001 to 5,000	621	2,115	578	1,971	45	143	*	*	9.7
5,001 to 10,000	475	3,420	453	3,257	22	169	*	*	14.2
10,001 to 25,000	374	5,912	354	5,641	31	502	*	*	11.7
25,001 to 50,000	147	5,195	143	5,009	8	289	*	*	13.8
50,001 to 100,000	76	5,180	72	4,879	5	381	*	*	15.0
100,001 to 200,000	34	4,592	32	4,339	3	366	*	*	16.1
200,001 to 500,000	16	4,725	14	4,168	2	559	*	*	16.3
Over 500,000	3	2,642	3	2,327	*	263	*	*	23.8
Year Constructed									
1899 or Before	100	1,376	98	1,367	Q	Q	*	*	21.5
1900 to 1919	206	3,198	191	3,029	16	246	*	*	12.2
1920 to 1945	387	6,145	367	5,938	26	297	*	*	14.5
1946 to 1959	431	6,375	414	6,064	21	464	*	*	14.7
1960 to 1969	431	8,031	405	7,374	30	661	*	*	12.8
1970 to 1979	495	9,111	460	8,247	38	1,007	*	*	13.7

¹ District Chilled Water was not reported for the 1979 CBECS.

² Census Division Data were not collected in 1979.

* = 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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C5.79. End Uses for All Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1979

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	0.8	0.9	0.8	0.9	0.9	1.1	1.1	1.9	2.0	
RSE Column Factors:	0.8	0.8	0.8	0.8	0.9	0.8	0.9	0.9	1.1	1.1	1.9	2.0	
All Buildings	3,073	43,546	2,814	41,424	2,147	35,819	2,051	34,236	988	20,706	250	4,769	7.3
Census Region													
Northeast	530	9,531	506	9,353	416	8,444	338	7,607	207	5,273	44	1,172	13.5
Midwest	977	14,197	913	13,852	737	12,342	653	11,281	316	6,831	57	1,425	12.8
South	1,094	13,661	979	12,501	657	10,048	844	11,819	315	6,119	87	1,441	14.2
West	472	6,156	416	5,718	337	4,986	216	3,529	149	2,484	62	731	13.4
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	425	5,329	420	5,311	321	4,562	280	3,896	243	3,664	5	Q	13.1
Education	158	5,969	158	5,969	131	5,589	107	4,207	86	4,384	4	518	14.3
Food Sales and Service	317	1,770	305	1,741	282	1,600	263	1,512	229	1,287	8	Q	10.4
Health Care	50	1,955	50	1,955	49	1,861	44	1,933	26	1,632	*	50	18.1
Lodging	97	2,074	95	2,067	90	1,920	68	1,663	58	1,709	Q	Q	16.7
Mercantile and Service	968	9,959	912	9,632	588	7,578	584	7,843	146	3,272	138	1,213	11.4
Office	455	6,986	453	6,984	383	6,339	424	6,731	112	2,840	13	358	10.3
Warehouse	367	6,007	259	5,026	170	4,098	165	4,156	36	865	54	1,803	12.4
Other	115	2,129	104	1,992	80	1,587	71	1,696	32	702	20	368	16.2
Vacant	122	1,367	59	747	51	685	45	600	20	353	Q	Q	26.7
Building Floorspace (square feet)													
1,001 to 2,000	532	786	455	682	302	454	305	455	121	185	22	35	13.4
2,001 to 5,000	1,000	3,356	898	3,026	654	2,231	621	2,115	291	1,007	89	311	8.0
5,001 to 10,000	706	5,073	669	4,826	510	3,735	475	3,420	227	1,633	53	360	10.6
10,001 to 25,000	486	7,665	461	7,255	386	6,090	374	5,912	179	2,867	44	701	11.3
25,001 to 50,000	193	6,780	182	6,435	160	5,670	147	5,195	86	3,047	22	803	11.5
50,001 to 100,000	94	6,449	90	6,162	82	5,568	76	5,180	46	3,205	12	737	12.8
100,001 to 200,000	41	5,558	39	5,367	35	4,821	34	4,592	25	3,350	5	643	12.3
200,001 to 500,000	17	5,169	17	4,967	16	4,681	16	4,725	10	3,103	3	850	12.8
Over 500,000	3	2,710	3	2,704	3	2,569	3	2,642	2	2,309	*	329	19.4
Year Constructed													
1899 or Before	168	1,999	159	1,893	121	1,620	100	1,376	69	916	7	154	18.4
1900 to 1919	327	4,660	306	4,458	223	3,625	206	3,198	115	2,025	20	364	11.1
1920 to 1945	625	8,660	563	7,821	396	6,715	387	6,145	199	3,981	54	951	12.2
1946 to 1959	686	8,391	612	8,047	448	6,765	431	6,375	219	4,214	69	1,062	11.9
1960 to 1969	592	9,360	559	9,100	444	8,248	431	8,031	174	4,697	51	910	10.6
1970 to 1979	675	10,478	614	10,105	515	8,846	495	9,111	212	4,874	49	1,328	10.5

¹ Census Division Data were not collected in 1979.

* = 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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C6.79. End Uses for Electricity Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1979

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.)	
	1.2	1.1	1.0	1.0	0.8	0.7	1.2	1.1	
RSE Column Factors:	1.2	1.1	1.0	1.0	0.8	0.7	1.2	1.1	
All Buildings	769	10,724	998	13,804	1,935	32,018	578	11,792	9.8
Census Region									
Northeast	76	1,701	129	2,352	306	6,957	81	2,167	13.3
Midwest	116	1,891	285	3,691	620	10,425	188	3,936	16.1
South	420	4,917	414	5,489	817	11,448	210	4,077	18.2
West	156	2,214	170	2,272	193	3,188	99	1,612	13.6
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	100	973	166	1,695	260	3,523	130	1,671	15.7
Education	39	1,210	46	1,758	103	3,962	50	2,612	18.3
Food Sales and Service	93	497	118	588	244	1,445	125	714	15.8
Health Care	11	288	18	231	41	1,706	15	968	23.0
Lodging	46	717	38	618	66	1,543	35	826	22.3
Mercantile and Service	193	2,651	275	3,415	563	7,614	86	1,857	17.4
Office	161	2,148	196	2,788	396	6,099	81	1,901	13.1
Warehouse	81	1,547	89	1,972	158	3,943	30	693	15.4
Other	27	555	37	516	67	1,651	17	391	21.4
Vacant	19	138	15	223	38	532	9	159	27.4
Building Floorspace (square feet)									
1,001 to 2,000	121	183	149	220	287	428	69	105	16.3
2,001 to 5,000	243	802	309	1,035	578	1,971	181	605	11.9
5,001 to 10,000	186	1,288	248	1,807	453	3,257	127	892	13.3
10,001 to 25,000	136	2,282	175	2,803	354	5,641	105	1,679	12.9
25,001 to 50,000	45	1,588	68	2,393	143	5,009	48	1,705	11.6
50,001 to 100,000	25	1,683	33	2,211	72	4,879	28	2,021	15.3
100,001 to 200,000	7	1,010	11	1,412	32	4,339	13	1,855	15.3
200,001 to 500,000	3	822	4	1,063	14	4,168	5	1,580	14.6
Over 500,000	1	1,064	1	859	3	2,327	1	1,351	25.1
Year Constructed									
1899 or Before	15	193	53	419	98	1,367	33	333	27.5
1900 to 1919	37	473	79	1,265	191	3,029	53	862	14.1
1920 to 1945	101	1,302	149	1,774	367	5,938	93	1,820	15.5
1946 to 1959	139	1,732	176	2,191	414	6,064	132	2,238	16.2
1960 to 1969	174	2,369	215	3,265	405	7,374	107	2,983	13.5
1970 to 1979	302	4,654	325	4,890	460	8,247	159	3,557	12.5

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C7.79. End Uses for Natural Gas Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1979

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.)	
	0.8	0.8	0.8	0.8	1.5	1.5	1.0	1.0	
RSE Column Factors:	0.8	0.8	0.8	0.8	1.5	1.5	1.0	1.0	
All Buildings	1,605	23,725	1,024	18,745	133	2,697	440	11,540	9.4
Census Region									
Northeast	254	3,813	203	3,673	34	517	122	3,512	19.8
Midwest	681	10,342	441	8,353	46	1,169	157	4,151	12.4
South	422	6,026	213	4,123	26	607	100	2,672	24.2
West	249	3,543	167	2,596	27	404	60	1,205	20.1
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	243	3,218	143	2,472	15	388	103	2,107	20.3
Education	74	2,910	72	3,054	4	190	44	2,385	18.4
Food Sales and Service	166	969	143	836	17	62	131	722	14.6
Health Care	31	1,449	24	1,283	4	331	14	1,235	22.6
Lodging	35	741	44	1,016	3	114	25	1,114	22.5
Mercantile and Service	579	6,460	294	4,074	32	532	61	2,103	14.5
Office	245	3,414	167	2,849	33	514	33	1,212	12.9
Warehouse	152	3,269	71	1,947	10	347	4	125	24.0
Other	47	927	39	917	6	128	14	326	25.0
Vacant	33	368	28	295	Q	91	10	Q	38.8
Building Floorspace (square feet)									
1,001 to 2,000	240	360	134	205	17	25	49	76	19.3
2,001 to 5,000	489	1,670	308	1,069	45	143	130	475	12.1
5,001 to 10,000	398	2,915	230	1,700	22	169	97	730	16.2
10,001 to 25,000	289	4,450	194	3,025	31	502	71	1,109	15.0
25,001 to 50,000	105	3,722	83	2,936	8	289	44	1,553	15.4
50,001 to 100,000	50	3,484	42	2,941	5	381	24	1,644	16.5
100,001 to 200,000	24	3,257	22	3,006	3	366	15	2,000	15.8
200,001 to 500,000	9	2,634	9	2,645	2	559	8	2,359	17.6
Over 500,000	1	1,232	2	1,218	*	263	2	1,594	27.8
Year Constructed									
1899 or Before	99	1,069	57	853	Q	Q	37	663	23.9
1900 to 1919	212	2,472	126	1,973	16	246	63	1,311	16.4
1920 to 1945	384	4,970	224	3,939	26	297	110	2,377	15.9
1946 to 1959	341	4,843	223	3,798	21	464	89	2,581	16.6
1960 to 1969	326	5,500	222	4,529	30	661	71	2,524	15.6
1970 to 1979	244	4,871	173	3,652	38	1,007	69	2,083	13.3

¹ Census Division Data were not collected in 1979.

* = 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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C8.79. End Uses for Fuel Oil and District Heat Energy Sources in Commercial Buildings, Number of Building and Total Floorspace, 1979

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.)	
	RSE Column Factors:	0.7	0.6	1.0	0.9	1.3	1.1	1.5	
All Buildings	593	9,186	125	3,621	44	3,586	16	2,034	15.8
Census Region									
Northeast	220	4,112	84	2,194	12	1,192	5	865	23.1
Midwest	142	2,109	12	566	15	1,455	Q	655	30.9
South	179	2,411	23	691	Q	620	Q	314	28.2
West	52	554	Q	170	Q	320	Q	200	33.6
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	121	1,287	15	300	Q	465	Q	314	28.3
Education	42	2,013	17	1,086	8	395	Q	114	29.3
Food Sales and Service	39	Q	13	93	2	63	Q	Q	38.4
Health Care	8	460	4	310	3	204	2	163	27.1
Lodging	15	366	8	266	Q	463	Q	176	42.7
Mercantile and Service	211	1,879	22	458	Q	304	Q	Q	28.2
Office	64	1,360	24	613	9	1,087	2	733	24.5
Warehouse	61	1,041	12	278	2	159	Q	Q	37.8
Other	22	365	2	125	Q	287	Q	Q	29.3
Vacant	8	167	7	93	Q	Q	Q	Q	52.4
Building Floorspace (square feet)									
1,001 to 2,000	83	120	13	20	Q	Q	*	*	33.4
2,001 to 5,000	181	598	24	84	Q	Q	Q	Q	28.4
5,001 to 10,000	156	1,105	32	226	5	40	Q	Q	25.8
10,001 to 25,000	102	1,605	26	451	10	165	Q	36	26.3
25,001 to 50,000	39	1,337	16	589	11	349	2	73	27.0
50,001 to 100,000	16	1,085	7	461	7	536	3	208	22.9
100,001 to 200,000	10	1,403	5	645	4	590	2	241	22.3
200,001 to 500,000	5	1,374	3	805	3	1,154	3	845	21.5
Over 500,000	1	558	*	Q	1	743	1	612	30.4
Year Constructed									
1899 or Before	48	487	7	Q	Q	Q	Q	Q	40.5
1900 to 1919	67	1,123	22	403	7	646	Q	326	25.9
1920 to 1945	146	2,413	29	1,082	10	801	Q	510	27.9
1946 to 1959	156	2,341	34	947	13	582	6	306	21.7
1960 to 1969	87	1,542	18	587	7	814	3	426	22.5
1970 to 1979	89	1,279	14	469	Q	483	1	273	20.2

¹ Census Division Data were not collected in 1979.

* = 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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C9.79p. Total and Average Primary Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1979

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	1979 Dollars		1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
RSE Column Factors:	1.0	1.4	1.3	1.3	1.1	1.0	1.0	0.6	0.6	
All Buildings	43,546	8,847	50,445	33,596	203.16	1.16	0.77	5.70	3.80	5.0
Census Region										
Northeast	9,531	2,082	14,122	9,405	218.46	1.48	0.99	6.78	4.52	11.4
Midwest	14,197	3,033	16,007	10,661	213.66	1.13	0.75	5.28	3.51	6.3
South	13,661	2,742	15,174	10,106	200.74	1.11	0.74	5.53	3.69	9.4
West	6,156	989	5,142	3,424	160.61	0.84	0.56	5.20	3.46	10.5
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	5,329	702	4,099	2,730	131.67	0.77	0.51	5.84	3.89	8.5
Education	5,969	842	4,582	3,051	141.11	0.77	0.51	5.44	3.62	8.3
Food Sales and Service	1,770	685	3,982	2,652	387.03	2.25	1.50	5.81	3.87	9.7
Health Care	1,955	730	3,592	2,392	373.42	1.84	1.22	4.92	3.28	8.7
Lodging	2,074	520	2,866	1,909	250.88	1.38	0.92	5.51	3.67	15.1
Mercantile and Service	9,959	1,627	9,586	6,384	163.37	0.96	0.64	5.89	3.92	9.2
Office	6,986	1,723	11,168	7,438	246.56	1.60	1.06	6.48	4.32	5.8
Warehouse	6,007	1,093	5,707	3,801	181.90	0.95	0.63	5.22	3.48	11.0
Other	2,129	764	3,886	2,588	358.82	1.83	1.22	5.09	3.39	21.6
Vacant	1,367	161	977	650	117.75	0.71	0.48	6.07	4.04	19.1
Building Floorspace (square feet)										
1,001 to 2,000	786	288	2,004	1,335	366.97	2.55	1.70	6.95	4.63	8.8
2,001 to 5,000	3,356	888	5,373	3,579	264.50	1.60	1.07	6.05	4.03	6.6
5,001 to 10,000	5,073	950	5,515	3,673	187.35	1.09	0.72	5.80	3.86	7.8
10,001 to 25,000	7,665	1,463	8,206	5,465	190.86	1.07	0.71	5.61	3.74	8.6
25,001 to 50,000	6,780	1,322	8,242	5,489	195.00	1.22	0.81	6.23	4.15	9.6
50,001 to 100,000	6,449	1,191	6,255	4,166	184.75	0.97	0.65	5.25	3.50	7.9
100,001 to 200,000	5,558	1,083	5,571	3,711	194.82	1.00	0.67	5.15	3.43	13.0
200,001 to 500,000	5,169	1,077	5,692	3,791	208.38	1.10	0.73	5.28	3.52	8.2
Over 500,000	2,710	584	3,586	2,388	215.40	1.32	0.88	6.14	4.09	15.3
Year Constructed										
1899 or Before	1,999	362	2,862	1,906	181.07	1.43	0.95	7.91	5.27	13.9
1900 to 1919	4,660	623	3,687	2,456	133.74	0.79	0.53	5.92	3.94	9.6
1920 to 1945	8,660	1,684	9,132	6,082	194.42	1.05	0.70	5.42	3.61	12.5
1946 to 1959	8,391	1,569	9,193	6,123	187.00	1.10	0.73	5.86	3.90	8.6
1960 to 1969	9,360	2,053	11,341	7,553	219.31	1.21	0.81	5.53	3.68	6.4
1970 to 1979	10,478	2,556	14,229	9,477	243.97	1.36	0.90	5.57	3.71	5.9

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C9.79s. Total and Average Site Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1979

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	1979 Dollars		1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
RSE Column Factors:	1.0	1.2	1.2	1.2	1.0	1.0	1.0	0.8	0.8	
All Buildings	43,546	4,965	50,445	33,596	114.01	1.16	0.77	10.16	6.77	5.6
Census Region										
Northeast	9,531	1,217	14,122	9,405	127.68	1.48	0.99	11.60	7.73	11.1
Midwest	14,197	1,826	16,007	10,661	128.65	1.13	0.75	8.76	5.84	8.2
South	13,661	1,395	15,174	10,106	102.13	1.11	0.74	10.88	7.24	10.0
West	6,156	526	5,142	3,424	85.47	0.84	0.56	9.77	6.51	13.7
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	5,329	429	4,099	2,730	80.51	0.77	0.51	9.55	6.36	12.6
Education	5,969	511	4,582	3,051	85.64	0.77	0.51	8.96	5.97	7.0
Food Sales and Service	1,770	336	3,982	2,652	190.08	2.25	1.50	11.84	7.88	8.6
Health Care	1,955	469	3,592	2,392	239.71	1.84	1.22	7.66	5.10	10.1
Lodging	2,074	278	2,866	1,909	134.23	1.38	0.92	10.29	6.85	11.1
Mercantile and Service	9,959	894	9,586	6,384	89.72	0.96	0.64	10.73	7.15	8.7
Office	6,986	861	11,168	7,438	123.21	1.60	1.06	12.97	8.64	9.6
Warehouse	6,007	641	5,707	3,801	106.79	0.95	0.63	8.90	5.93	10.8
Other	2,129	456	3,886	2,588	214.12	1.83	1.22	8.53	5.68	25.2
Vacant	1,367	89	977	650	65.32	0.71	0.48	10.94	7.28	16.4
Building Floorspace (square feet)										
1,001 to 2,000	786	155	2,004	1,335	197.30	2.55	1.70	12.93	8.61	12.5
2,001 to 5,000	3,356	504	5,373	3,579	150.31	1.60	1.07	10.65	7.09	7.6
5,001 to 10,000	5,073	595	5,515	3,673	117.36	1.09	0.72	9.26	6.17	8.1
10,001 to 25,000	7,665	902	8,206	5,465	117.71	1.07	0.71	9.10	6.06	14.4
25,001 to 50,000	6,780	669	8,242	5,489	98.74	1.22	0.81	12.31	8.20	13.3
50,001 to 100,000	6,449	630	6,255	4,166	97.76	0.97	0.65	9.92	6.61	8.3
100,001 to 200,000	5,558	595	5,571	3,711	107.04	1.00	0.67	9.36	6.24	8.5
200,001 to 500,000	5,169	596	5,692	3,791	115.34	1.10	0.73	9.55	6.36	8.1
Over 500,000	2,710	317	3,586	2,388	116.83	1.32	0.88	11.33	7.54	13.6
Year Constructed										
1899 or Before	1,999	211	2,862	1,906	105.80	1.43	0.95	13.54	9.02	30.8
1900 to 1919	4,660	400	3,687	2,456	85.79	0.79	0.53	9.22	6.14	8.9
1920 to 1945	8,660	1,080	9,132	6,082	124.69	1.05	0.70	8.46	5.63	12.7
1946 to 1959	8,391	914	9,193	6,123	108.89	1.10	0.73	10.06	6.70	8.7
1960 to 1969	9,360	1,102	11,341	7,553	117.76	1.21	0.81	10.29	6.85	6.1
1970 to 1979	10,478	1,258	14,229	9,477	120.06	1.36	0.90	11.31	7.53	7.6

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C10.79p. Total and Average Primary Consumption and Expenditures for Electricity in Commercial Buildings, 1979

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	1979 Dollars		1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
RSE Column Factors:	0.9	1.4	1.3	1.3	1.2	1.0	1.0	0.6	0.6	
All Buildings	43,153	5,790	35,662	23,751	134.18	0.83	0.55	6.16	4.10	6.4
Census Region										
Northeast	9,455	1,291	9,749	6,493	136.49	1.03	0.69	7.55	5.03	15.8
Midwest	14,160	1,800	10,524	7,009	127.14	0.74	0.49	5.85	3.89	7.2
South	13,425	2,009	11,646	7,756	149.68	0.87	0.58	5.80	3.86	11.4
West	6,113	690	3,743	2,493	112.89	0.61	0.41	5.42	3.61	12.6
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	5,321	407	2,686	1,789	76.42	0.50	0.34	6.61	4.40	11.1
Education	5,965	494	2,906	1,936	82.80	0.49	0.32	5.88	3.92	10.2
Food Sales and Service	1,766	520	3,176	2,115	294.48	1.80	1.20	6.11	4.07	12.2
Health Care	1,953	390	2,017	1,343	199.68	1.03	0.69	5.17	3.44	11.0
Lodging	2,074	361	2,074	1,381	174.00	1.00	0.67	5.74	3.83	18.9
Mercantile and Service	9,922	1,094	6,990	4,655	110.26	0.70	0.47	6.39	4.25	11.3
Office	6,979	1,285	8,802	5,862	184.17	1.26	0.84	6.85	4.56	6.5
Warehouse	5,940	673	3,850	2,564	113.30	0.65	0.43	5.72	3.81	11.6
Other	2,115	460	2,487	1,657	217.30	1.18	0.78	Q	Q	19.7
Vacant	1,117	107	675	450	95.75	0.60	0.40	6.31	4.20	23.0
Building Floorspace (square feet)										
1,001 to 2,000	763	199	1,552	1,034	260.78	2.04	1.36	7.81	5.20	10.2
2,001 to 5,000	3,237	572	3,829	2,550	176.61	1.18	0.79	6.70	4.46	9.1
5,001 to 10,000	4,986	530	3,565	2,374	106.22	0.71	0.48	6.73	4.48	11.1
10,001 to 25,000	7,636	836	5,386	3,587	109.52	0.71	0.47	6.44	4.29	9.0
25,001 to 50,000	6,702	974	6,509	4,335	145.26	0.97	0.65	6.69	4.45	11.8
50,001 to 100,000	6,418	837	4,613	3,072	130.37	0.72	0.48	5.51	3.67	9.3
100,001 to 200,000	5,548	728	3,717	2,476	131.20	0.67	0.45	5.11	3.40	15.9
200,001 to 500,000	5,160	717	3,919	2,610	139.02	0.76	0.51	5.46	3.64	9.4
Over 500,000	2,703	398	2,571	1,712	147.41	0.95	0.63	6.45	4.30	17.7
Year Constructed										
1899 or Before	1,951	224	2,162	1,440	115.01	1.11	0.74	9.63	6.42	19.2
1900 to 1919	4,611	333	2,214	1,474	72.27	0.48	0.32	6.64	4.42	13.0
1920 to 1945	8,591	901	5,504	3,666	104.85	0.64	0.43	6.11	4.07	16.5
1946 to 1959	8,312	978	6,188	4,121	117.62	0.74	0.50	6.33	4.22	11.0
1960 to 1969	9,328	1,418	8,275	5,511	152.00	0.89	0.59	5.84	3.89	7.4
1970 to 1979	10,361	1,936	11,320	7,539	186.91	1.09	0.73	5.85	3.89	7.3

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C10.79s. Total and Average Site Consumption and Expenditures for Electricity in Commercial Buildings, 1979

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	1979 Dollars		1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
RSE Column Factors:	0.9	1.4	1.4	1.4	1.2	1.2	1.2	0.5	0.5	
All Buildings	43,153	1,908	35,662	23,751	44.23	0.83	0.55	18.69	12.45	6.3
Census Region										
Northeast	9,455	425	9,749	6,493	44.99	1.03	0.69	22.92	15.26	12.4
Midwest	14,160	593	10,524	7,009	41.91	0.74	0.49	17.74	11.81	8.2
South	13,425	662	11,646	7,756	49.34	0.87	0.58	17.58	11.71	10.8
West	6,113	227	3,743	2,493	37.21	0.61	0.41	16.46	10.96	16.6
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	5,321	134	2,686	1,789	25.19	0.50	0.34	20.04	13.35	14.1
Education	5,965	163	2,906	1,936	27.29	0.49	0.32	17.85	11.89	7.4
Food Sales and Service	1,766	171	3,176	2,115	97.06	1.80	1.20	18.53	12.34	10.3
Health Care	1,953	129	2,017	1,343	65.81	1.03	0.69	15.69	10.45	11.4
Lodging	2,074	119	2,074	1,381	57.35	1.00	0.67	17.43	11.61	13.2
Mercantile and Service	9,922	361	6,990	4,655	36.34	0.70	0.47	19.38	12.91	9.6
Office	6,979	424	8,802	5,862	60.70	1.26	0.84	20.78	13.84	11.1
Warehouse	5,940	222	3,850	2,564	37.34	0.65	0.43	17.36	11.56	9.3
Other	2,115	151	2,487	1,657	71.62	1.18	0.78	Q	Q	25.9
Vacant	1,117	35	675	450	31.56	0.60	0.40	19.15	12.75	14.4
Building Floorspace (square feet)										
1,001 to 2,000	763	66	1,552	1,034	85.95	2.04	1.36	23.68	15.77	14.4
2,001 to 5,000	3,237	188	3,829	2,550	58.21	1.18	0.79	20.32	13.53	9.4
5,001 to 10,000	4,986	175	3,565	2,374	35.01	0.71	0.48	20.42	13.60	8.3
10,001 to 25,000	7,636	276	5,386	3,587	36.10	0.71	0.47	19.54	13.01	9.2
25,001 to 50,000	6,702	321	6,509	4,335	47.88	0.97	0.65	20.28	13.51	15.7
50,001 to 100,000	6,418	276	4,613	3,072	42.97	0.72	0.48	16.73	11.14	8.2
100,001 to 200,000	5,548	240	3,717	2,476	43.24	0.67	0.45	15.50	10.32	15.1
200,001 to 500,000	5,160	236	3,919	2,610	45.82	0.76	0.51	16.58	11.04	8.1
Over 500,000	2,703	131	2,571	1,712	48.59	0.95	0.63	19.58	13.04	14.1
Year Constructed										
1899 or Before	1,951	74	2,162	1,440	37.91	1.11	0.74	29.23	19.47	33.1
1900 to 1919	4,611	110	2,214	1,474	23.82	0.48	0.32	20.16	13.42	11.5
1920 to 1945	8,591	297	5,504	3,666	34.56	0.64	0.43	18.54	12.35	13.0
1946 to 1959	8,312	322	6,188	4,121	38.77	0.74	0.50	19.20	12.79	10.5
1960 to 1969	9,328	467	8,275	5,511	50.10	0.89	0.59	17.71	11.79	6.3
1970 to 1979	10,361	638	11,320	7,539	61.60	1.09	0.73	17.74	11.81	8.3

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C11.79. Total and Average Consumption and Expenditures for Natural Gas in Commercial Buildings, 1979

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	1979 Dollars		1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
RSE Column Factors:	1.1	1.6	1.5	1.5	1.3	1.2	1.2	0.4	0.4	
All Buildings	30,477	2,174	8,729	5,814	71.35	0.29	0.19	4.01	2.67	6.3
Census Region										
Northeast	6,746	443	1,982	1,320	65.64	0.29	0.20	4.48	2.98	17.6
Midwest	11,807	1,007	3,824	2,547	85.25	0.32	0.22	3.80	2.53	7.7
South	7,771	470	1,885	1,255	60.46	0.24	0.16	4.01	2.67	11.1
West	4,153	255	1,039	692	61.47	0.25	0.17	4.07	2.71	11.6
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	4,001	214	838	558	53.50	0.21	0.14	3.91	2.61	11.1
Education	4,170	214	828	551	51.29	0.20	0.13	3.87	2.58	9.4
Food Sales and Service	1,141	145	657	438	127.16	0.58	0.38	4.53	3.02	9.1
Health Care	1,742	221	857	571	127.03	0.49	0.33	3.87	2.58	11.1
Lodging	1,527	115	437	291	75.52	0.29	0.19	3.79	2.53	9.8
Mercantile and Service	7,563	422	1,848	1,231	55.85	0.24	0.16	4.38	2.91	8.2
Office	4,611	272	1,093	728	59.05	0.24	0.16	4.01	2.67	6.9
Warehouse	3,639	305	1,063	708	83.90	0.29	0.19	3.48	2.32	17.2
Other	1,393	232	955	636	166.55	0.69	0.46	4.11	2.74	13.5
Vacant	690	33	153	102	47.39	0.22	0.15	4.67	3.11	22.2
Building Floorspace (square feet)										
1,001 to 2,000	414	76	357	238	183.21	0.86	0.57	4.70	3.13	10.8
2,001 to 5,000	1,924	233	973	648	121.09	0.51	0.34	4.18	2.78	7.5
5,001 to 10,000	3,237	337	1,378	918	104.03	0.43	0.28	4.09	2.73	9.9
10,001 to 25,000	5,172	494	1,950	1,299	95.52	0.38	0.25	3.95	2.63	21.0
25,001 to 50,000	4,762	235	981	653	49.40	0.21	0.14	4.17	2.78	8.2
50,001 to 100,000	4,472	267	1,054	702	59.74	0.24	0.16	3.95	2.63	9.9
100,001 to 200,000	4,268	194	771	513	45.45	0.18	0.12	3.97	2.65	9.9
200,001 to 500,000	4,122	221	818	545	53.63	0.20	0.13	3.70	2.46	9.7
Over 500,000	2,106	117	447	298	55.74	0.21	0.14	3.81	2.54	13.4
Year Constructed										
1899 or Before	1,479	88	333	222	59.74	0.22	0.15	3.77	2.51	15.6
1900 to 1919	3,676	185	701	467	50.21	0.19	0.13	3.80	2.53	10.7
1920 to 1945	6,374	595	2,338	1,557	93.31	0.37	0.24	3.93	2.62	17.9
1946 to 1959	6,067	388	1,666	1,110	64.01	0.27	0.18	4.29	2.86	9.5
1960 to 1969	6,920	457	1,853	1,234	65.97	0.27	0.18	4.06	2.70	6.5
1970 to 1979	5,961	462	1,838	1,224	77.47	0.31	0.21	3.98	2.65	7.6

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C12.79. Total and Average Consumption and Expenditures for Fuel Oil in Commercial Buildings, 1979

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	1979 Dollars		1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
RSE Column Factors:	1.3	1.7	1.7	1.7	1.4	1.4	1.4	0.2	0.2	
All Buildings	11,397	681	4,152	2,765	59.73	0.36	0.24	6.10	4.06	5.7
Census Region										
Northeast	4,415	285	1,725	1,149	64.52	0.39	0.26	6.05	4.03	7.1
Midwest	2,973	133	855	569	44.88	0.29	0.19	6.41	4.27	13.9
South	2,968	237	1,399	931	79.74	0.47	0.31	5.91	3.94	9.6
West	1,040	26	173	116	24.76	0.17	0.11	6.73	4.48	20.1
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	1,372	61	399	266	44.21	0.29	0.19	6.59	4.39	10.1
Education	2,285	107	594	396	46.91	0.26	0.17	5.54	3.69	10.2
Food Sales and Service	319	15	108	72	47.92	0.34	0.23	7.08	4.71	15.4
Health Care	1,117	97	555	370	86.59	0.50	0.33	5.74	3.82	13.7
Lodging	453	20	118	78	43.81	0.26	0.17	5.93	3.95	18.1
Mercantile and Service	2,087	103	686	457	49.39	0.33	0.22	6.66	4.44	9.8
Office	1,748	107	666	443	61.03	0.38	0.25	6.24	4.16	12.2
Warehouse	1,302	97	601	400	74.46	0.46	0.31	6.20	4.13	14.6
Other	537	59	333	222	110.20	0.62	0.41	5.64	3.76	22.2
Vacant	177	Q	Q	Q	85.68	0.51	0.34	5.97	3.97	21.2
Building Floorspace (square feet)										
1,001 to 2,000	128	14	95	63	106.57	0.74	0.49	6.94	4.62	10.3
2,001 to 5,000	625	82	557	371	130.65	0.89	0.59	6.82	4.54	12.6
5,001 to 10,000	1,164	82	546	364	70.11	0.47	0.31	6.69	4.46	10.8
10,001 to 25,000	1,757	125	792	527	70.98	0.45	0.30	6.35	4.23	14.6
25,001 to 50,000	1,585	92	568	378	58.10	0.36	0.24	6.17	4.11	14.0
50,001 to 100,000	1,385	56	318	212	40.11	0.23	0.15	5.72	3.81	12.5
100,001 to 200,000	1,921	120	666	444	62.45	0.35	0.23	5.56	3.70	10.9
200,001 to 500,000	1,843	82	445	296	44.31	0.24	0.16	5.45	3.63	10.1
Over 500,000	990	Q	Q	Q	Q	Q	Q	5.52	3.68	23.6
Year Constructed										
1899 or Before	551	35	223	149	64.23	0.41	0.27	6.31	4.21	19.2
1900 to 1919	1,296	76	460	306	58.85	0.35	0.24	6.03	4.01	12.2
1920 to 1945	2,685	149	929	619	55.32	0.35	0.23	6.26	4.17	11.3
1946 to 1959	2,730	164	986	656	60.00	0.36	0.24	6.02	4.01	8.5
1960 to 1969	2,091	130	758	505	61.98	0.36	0.24	5.85	3.90	11.4
1970 to 1979	2,044	127	795	530	62.22	0.39	0.26	6.26	4.17	12.8

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C13.79. Total and Average Consumption and Expenditures for District Heat in Commercial Buildings, 1979

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:	1.5	1.5	0.8	0.9	0.4	
All Buildings	3,722	201	1,267	54.04	0.34	6.30	10.9
Census Region							
Northeast	1,209	64	444	52.88	0.37	6.95	19.3
Midwest	1,514	93	535	61.51	0.35	5.75	20.4
South	631	26	163	41.82	0.26	6.18	17.8
West	368	18	124	48.00	0.34	7.02	25.9
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	502	20	117	40.42	0.23	5.76	20.6
Education	399	27	169	68.51	0.42	6.17	26.6
Food Sales and Service	63	5	27	74.14	0.43	5.81	30.4
Health Care	212	22	109	104.44	0.51	4.92	14.9
Lodging	468	24	158	52.09	0.34	6.49	20.8
Mercantile and Service	304	Q	Q	24.56	0.14	5.53	18.8
Office	1,149	58	405	50.64	0.35	6.96	10.8
Warehouse	159	Q	Q	Q	Q	7.42	41.7
Other	297	13	74	44.78	0.25	5.57	27.7
Vacant	Q	Q	Q	Q	Q	6.31	38.7
Building Floorspace (square feet)							
1,001 to 2,000	Q	Q	Q	9.31	0.08	8.25	0.0
2,001 to 5,000	Q	Q	Q	235.83	1.65	6.99	0.0
5,001 to 10,000	49	Q	Q	Q	Q	6.91	23.5
10,001 to 25,000	184	8	52	43.04	0.28	6.61	27.2
25,001 to 50,000	349	21	123	60.65	0.35	5.80	19.7
50,001 to 100,000	542	32	180	59.03	0.33	5.62	13.1
100,001 to 200,000	644	41	278	63.76	0.43	6.75	28.8
200,001 to 500,000	1,183	57	339	48.27	0.29	5.94	15.3
Over 500,000	763	38	268	49.81	0.35	7.05	14.1
Year Constructed							
1899 or Before	288	14	Q	47.71	0.33	6.99	30.6
1900 to 1919	653	29	208	44.55	0.32	7.15	32.4
1920 to 1945	830	40	240	47.67	0.29	6.07	16.2
1946 to 1959	595	39	235	65.93	0.40	6.00	15.3
1960 to 1969	846	49	303	57.64	0.36	6.21	11.7
1970 to 1979	509	31	184	60.31	0.36	5.99	16.5

¹ Current (1979) dollars only.

² Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C14A.79p. Total Primary Consumption and Number of Buildings for All End Uses by Energy Source in Commercial Buildings, 1979

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)	
	RSE Column Factors:	0.6	0.6	0.8	0.6	1.0	0.8	1.0	1.1	1.5	2.1	
All Buildings	3,073	3,012	8,847	3,001	5,790	1,864	2,174	641	681	47	201	9.4
Census Region												
Northeast	530	522	2,082	516	1,291	339	443	227	285	13	64	18.5
Midwest	977	963	3,033	960	1,800	732	1,007	163	133	16	93	15.8
South	1,094	1,062	2,742	1,062	2,009	507	470	191	237	Q	26	18.2
West	472	464	989	463	690	286	255	60	26	Q	18	19.2
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	425	423	702	423	407	271	214	123	61	Q	20	16.3
Education	158	158	842	158	494	98	214	46	107	8	Q	19.2
Food Sales and Service	317	317	685	315	520	195	145	45	15	2	Q	15.7
Health Care	50	50	730	50	390	35	221	12	97	3	22	21.8
Lodging	97	97	520	97	361	56	115	17	20	Q	Q	20.4
Mercantile and Service	968	968	1,627	962	1,094	641	422	225	103	Q	Q	13.1
Office	455	455	1,723	455	1,285	278	272	71	107	9	58	13.3
Warehouse	367	339	1,093	339	673	168	305	65	97	2	Q	18.4
Other	115	115	764	115	460	60	232	26	59	4	13	25.2
Vacant	122	91	161	87	107	60	33	9	Q	Q	Q	30.0
Building Floorspace (square feet)												
1,001 to 2,000	532	514	288	514	199	278	76	89	14	Q	*	15.1
2,001 to 5,000	1,000	971	888	963	572	564	233	190	82	Q	1	11.5
5,001 to 10,000	706	696	950	694	530	442	337	164	82	6	Q	13.9
10,001 to 25,000	486	485	1,463	484	836	333	494	111	125	11	Q	15.0
25,001 to 50,000	193	190	1,322	190	974	134	235	45	92	11	Q	15.9
50,001 to 100,000	94	94	1,191	94	837	65	267	21	56	8	32	15.5
100,001 to 200,000	41	41	1,083	41	728	31	194	14	120	5	41	17.2
200,001 to 500,000	17	17	1,077	17	717	14	221	7	82	4	57	15.0
Over 500,000	3	3	584	3	398	2	117	1	Q	1	38	20.3
Year Constructed												
1899 or Before	168	166	362	166	224	111	88	50	35	Q	Q	24.3
1900 to 1919	327	321	623	316	333	251	185	74	76	7	29	15.4
1920 to 1945	625	607	1,684	604	901	429	595	156	149	10	40	15.5
1946 to 1959	686	672	1,569	670	978	397	388	167	164	13	39	12.9
1960 to 1969	592	588	2,053	588	1,418	372	457	95	130	8	49	13.3
1970 to 1979	675	658	2,556	656	1,936	304	462	99	127	Q	31	13.9

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C14A.79s. Total Site Consumption and Number of Buildings for All End Uses by Energy Source in Commercial Buildings, 1979

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)	
	RSE Column Factors:	0.6	0.6	0.8	0.6	1.0	0.8	1.1	1.1	1.3	2.2	
All Buildings	3,073	3,012	4,965	3,001	1,908	1,864	2,174	641	681	47	201	8.8
Census Region												
Northeast	530	522	1,217	516	425	339	443	227	285	13	64	18.2
Midwest	977	963	1,826	960	593	732	1,007	163	133	16	93	15.1
South	1,094	1,062	1,395	1,062	662	507	470	191	237	Q	26	16.1
West	472	464	526	463	227	286	255	60	26	Q	18	20.3
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	425	423	429	423	134	271	214	123	61	Q	20	16.7
Education	158	158	511	158	163	98	214	46	107	8	27	17.0
Food Sales and Service	317	317	336	315	171	195	145	45	15	2	5	15.0
Health Care	50	50	469	50	129	35	221	12	97	3	22	21.5
Lodging	97	97	278	97	119	56	115	17	20	Q	24	18.7
Mercantile and Service	968	968	894	962	361	641	422	225	103	Q	Q	11.7
Office	455	455	861	455	424	278	272	71	107	9	58	13.1
Warehouse	367	339	641	339	222	168	305	65	97	2	Q	16.5
Other	115	115	456	115	151	60	Q	26	59	4	13	26.6
Vacant	122	91	89	87	35	60	33	9	15	Q	Q	28.1
Building Floorspace (square feet)												
1,001 to 2,000	532	514	155	514	66	278	76	89	14	Q	Q	16.8
2,001 to 5,000	1,000	971	504	963	188	564	233	190	82	Q	Q	11.0
5,001 to 10,000	706	696	595	694	175	442	337	164	82	6	Q	13.4
10,001 to 25,000	486	485	902	484	276	333	494	111	125	11	8	16.8
25,001 to 50,000	193	190	669	190	321	134	235	45	92	11	21	15.1
50,001 to 100,000	94	94	630	94	276	65	267	21	56	8	32	13.4
100,001 to 200,000	41	41	595	41	240	31	194	14	120	5	41	15.2
200,001 to 500,000	17	17	596	17	236	14	221	7	82	4	57	13.5
Over 500,000	3	3	317	3	131	2	117	1	Q	1	38	19.7
Year Constructed												
1899 or Before	168	166	211	166	74	111	88	50	35	Q	14	27.1
1900 to 1919	327	321	400	316	110	251	185	74	76	7	29	14.9
1920 to 1945	625	607	1,080	604	297	429	595	156	149	10	40	15.2
1946 to 1959	686	672	914	670	322	397	388	167	164	13	39	12.3
1960 to 1969	592	588	1,102	588	467	372	457	95	130	8	49	12.2
1970 to 1979	675	658	1,258	656	638	304	462	99	127	Q	31	13.7

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C14B.79p. Total Primary Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1979

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)	
	0.6	0.6	0.8	0.6	1.0	0.8	1.0	1.0	1.5	1.9	2.1	
RSE Column Factors:	0.6	0.6	0.8	0.6	1.0	0.8	1.0	1.0	1.5	1.9	2.1	
All Buildings	43,546	43,213	8,847	43,153	5,790	30,477	2,174	11,397	681	3,722	201	9.4
Census Region												
Northeast	9,531	9,488	2,082	9,455	1,291	6,746	443	4,415	285	1,209	64	15.9
Midwest	14,197	14,169	3,033	14,160	1,800	11,807	1,007	2,973	133	1,514	93	14.8
South	13,661	13,432	2,742	13,425	2,009	7,771	470	2,968	237	631	26	18.7
West	6,156	6,124	989	6,113	690	4,153	255	1,040	26	368	18	19.2
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	5,329	5,321	702	5,321	407	4,001	214	1,372	61	502	20	15.8
Education	5,969	5,969	842	5,965	494	4,170	214	2,285	107	399	Q	16.8
Food Sales and Service	1,770	1,770	685	1,766	520	1,141	145	319	15	63	Q	16.4
Health Care	1,955	1,955	730	1,953	390	1,742	221	1,117	97	212	22	16.4
Lodging	2,074	2,074	520	2,074	361	1,527	115	453	20	468	Q	20.2
Mercantile and Service	9,959	9,959	1,627	9,922	1,094	7,563	422	2,087	103	304	Q	16.0
Office	6,986	6,986	1,723	6,979	1,285	4,611	272	1,748	107	1,149	58	12.1
Warehouse	6,007	5,940	1,093	5,940	673	3,639	305	1,302	97	159	Q	17.7
Other	2,129	2,115	764	2,115	460	1,393	232	536	59	297	13	22.3
Vacant	1,367	1,123	161	1,117	107	690	33	178	Q	Q	Q	30.7
Building Floorspace (square feet)												
1,001 to 2,000	786	763	288	763	199	414	76	128	14	Q	*	15.1
2,001 to 5,000	3,356	3,261	888	3,237	572	1,924	233	625	82	Q	1	11.3
5,001 to 10,000	5,073	4,997	950	4,986	530	3,237	337	1,164	82	49	Q	13.6
10,001 to 25,000	7,665	7,648	1,463	7,636	836	5,172	494	1,757	125	184	Q	14.6
25,001 to 50,000	6,780	6,702	1,322	6,702	974	4,762	235	1,585	92	349	Q	15.9
50,001 to 100,000	6,449	6,418	1,191	6,418	837	4,472	267	1,385	56	542	32	15.4
100,001 to 200,000	5,558	5,550	1,083	5,548	728	4,268	194	1,921	120	644	41	17.2
200,001 to 500,000	5,169	5,164	1,077	5,160	717	4,122	221	1,843	82	1,183	57	15.1
Over 500,000	2,710	2,710	584	2,703	398	2,106	117	990	Q	763	38	21.2
Year Constructed												
1899 or Before	1,999	1,951	362	1,951	224	1,479	88	551	35	288	Q	21.8
1900 to 1919	4,660	4,627	623	4,611	333	3,676	185	1,296	76	653	29	14.7
1920 to 1945	8,660	8,601	1,684	8,591	901	6,374	595	2,685	149	830	40	16.8
1946 to 1959	8,391	8,323	1,569	8,312	978	6,067	388	2,730	164	595	39	12.9
1960 to 1969	9,360	9,328	2,053	9,328	1,418	6,920	457	2,091	130	846	49	12.9
1970 to 1979	10,478	10,383	2,556	10,361	1,936	5,961	462	2,044	127	509	31	12.5

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

Table C14B.79s. Total Site Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1979

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)	
	0.6	0.7	0.8	0.7	1.0	0.8	1.1	1.0	1.3	2.0	1.8	
RSE Column Factors:	0.6	0.7	0.8	0.7	1.0	0.8	1.1	1.0	1.3	2.0	1.8	
All Buildings	43,546	43,213	4,965	43,153	1,908	30,477	2,174	11,397	681	3,722	201	8.8
Census Region												
Northeast	9,531	9,488	1,217	9,455	425	6,746	443	4,415	285	1,209	64	15.6
Midwest	14,197	14,169	1,826	14,160	593	11,807	1,007	2,973	133	1,514	93	14.2
South	13,661	13,432	1,395	13,425	662	7,771	470	2,968	237	631	26	16.7
West	6,156	6,124	526	6113	227	4,153	255	1,040	26	368	18	20.2
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	5,329	5,321	429	5,321	134	4,001	214	1,372	61	502	20	16.1
Education	5,969	5,969	511	5,965	163	4,170	214	2,285	107	399	27	15.0
Food Sales and Service	1,770	1,770	336	1,766	171	1,141	145	319	15	63	5	15.5
Health Care	1,955	1,955	469	1,953	129	1,742	221	1,117	97	212	22	16.2
Lodging	2,074	2,074	278	2,074	119	1,527	115	453	20	468	24	18.5
Mercantile and Service	9,959	9,959	894	9,922	361	7,563	422	2,087	103	304	Q	14.4
Office	6,986	6,986	861	6,979	424	4,611	272	1,748	107	1,149	58	12.0
Warehouse	6,007	5,940	641	5,940	222	3,639	305	1,302	97	159	Q	15.9
Other	2,129	2,115	456	2,115	151	1,393	Q	536	59	297	13	23.4
Vacant	1,367	1,123	89	1,117	35	690	33	178	15	Q	Q	28.6
Building Floorspace (square feet)												
1,001 to 2,000	786	763	155	763	66	414	76	128	14	Q	Q	16.8
2,001 to 5,000	3,356	3,261	504	3,237	188	1,924	233	625	82	Q	Q	10.8
5,001 to 10,000	5,073	4,997	595	4,986	175	3,237	337	1,164	82	49	Q	13.2
10,001 to 25,000	7,665	7,648	902	7,636	276	5,172	494	1,757	125	184	8	16.3
25,001 to 50,000	6,780	6,702	669	6,702	321	4,762	235	1,585	92	349	21	15.1
50,001 to 100,000	6,449	6,418	630	6,418	276	4,472	267	1,385	56	542	32	13.3
100,001 to 200,000	5,558	5,550	595	5,548	240	4,268	194	1,921	120	644	41	15.2
200,001 to 500,000	5,169	5,164	596	5,160	236	4,122	221	1,843	82	1,183	57	13.6
Over 500,000	2,710	2,710	317	2,703	131	2,106	117	990	Q	763	38	20.5
Year Constructed												
1899 or Before	1,999	1,951	211	1,951	74	1,479	88	551	35	288	14	24.2
1900 to 1919	4,660	4,627	400	4,611	110	3,676	185	1,296	76	653	29	14.2
1920 to 1945	8,660	8,601	1,080	8,591	297	6,374	595	2,685	149	830	40	16.5
1946 to 1959	8,391	8,323	914	8,312	322	6,067	388	2,730	164	595	39	12.3
1960 to 1969	9,360	9,328	1,102	9,328	467	6,920	457	2,091	130	846	49	11.8
1970 to 1979	10,478	10,383	1,258	10,361	638	5,961	462	2,044	127	509	31	12.3

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

**Table C20.79. Total Expenditures (1987 and 1989 Dollars) for All End Uses in Commercial Buildings, 1979
(Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		
	1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	1987 Dollars	1979 Dollars	
	0.8	0.8	0.9	0.9	1.0	1.0	1.3	1.3	
RSE Column Factors:	0.8	0.8	0.9	0.9	1.0	1.0	1.3	1.3	
All Buildings	50,445	33,596	35,662	23,751	8,729	5,814	4,152	2,765	8.7
Census Region									
Northeast	14,122	9,405	9,749	6,493	1,982	1,320	1,752	1,149	14.8
Midwest	16,007	10,661	10,524	7,009	3,824	2,547	855	569	13.5
South	15,174	10,106	11,646	7,756	1,885	1,255	1,399	932	15.1
West	5,142	3,424	3,743	2,493	1,039	692	173	116	23.0
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	4,099	2,730	2,686	1,789	838	558	399	266	15.9
Education	4,582	3,051	2,906	1,936	828	551	594	396	13.0
Food Sales and Service	3,982	2,652	3,176	2,115	657	438	108	72	15.6
Health Care	3,592	2,392	2,017	1,343	857	571	555	370	17.4
Lodging	2,866	1,909	2,074	1,381	437	291	118	78	16.8
Mercantile and Service	9,586	6,384	6,990	4,655	1,848	1,231	686	457	13.2
Office	11,168	7,438	8,802	5,862	1,093	728	666	443	15.1
Warehouse	5,707	3,801	3,850	2,564	1,063	708	601	400	14.5
Other	3,886	2,588	2,487	1,657	955	636	333	222	32.2
Vacant	977	650	675	450	153	102	Q	Q	25.9
Building Floorspace (square feet)									
1,001 to 2,000	2,004	1,335	1,552	1,034	357	238	95	63	21.5
2,001 to 5,000	5,373	3,579	3,829	2,550	973	648	557	371	12.0
5,001 to 10,000	5,515	3,673	3,565	2,374	1,378	918	546	364	12.7
10,001 to 25,000	8,206	5,465	5,386	3,587	1,950	1,299	792	527	20.1
25,001 to 50,000	8,242	5,489	6,509	4,335	981	653	568	378	18.5
50,001 to 100,000	6,255	4,166	4,613	3,072	1,054	702	318	212	12.5
100,001 to 200,000	5,571	3,711	3,717	2,476	771	513	666	444	15.5
200,001 to 500,000	5,692	3,791	3,919	2,610	818	545	445	296	13.7
Over 500,000	3,586	2,388	2,571	1,712	447	298	Q	Q	23.9
Year Constructed									
1899 or Before	2,862	1,906	2,162	1,440	333	222	223	149	33.0
1900 to 1919	3,687	2,456	2,214	1,474	701	467	460	306	13.5
1920 to 1945	9,132	6,082	5,504	3,666	2,338	1,557	929	619	15.6
1946 to 1959	9,193	6,123	6,188	4,121	1,666	1,110	986	656	12.9
1960 to 1969	11,341	7,553	8,275	5,511	1,853	1,234	758	505	11.9
1970 to 1979	14,229	9,477	11,320	7,539	1,838	1,224	795	530	13.9

¹ Census Division Data were not collected in 1979.

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-143 of the 1979 Nonresidential Buildings Energy Consumption Survey.

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.)	
	0.6	0.7	0.6	0.7	1.5	1.5	1.5	1.5	
RSE Column Factors:	0.6	0.7	0.6	0.7	1.5	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 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	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)	
	RSE Column Factors:	0.6	0.6	0.8	0.6	0.9	0.8	1.0	1.2	1.7	2.0	
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 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	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:	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	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 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	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)	
	RSE Column Factors:	0.7	0.7	0.8	0.7	0.9	0.8	1.0	1.2	1.7	1.7	
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.

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:				
All Buildings	58,199	4,154	14,010	3.3
Census Region				
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
Census Division				
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
Principal Building Activity				
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
Building Floorspace (square feet)				
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
Year Constructed				
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.
 • 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 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.

• 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 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.

• 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 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.

Table C9.86p. Total and Average Primary Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1986

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	1986 Dollars		1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	
RSE Column Factors:	0.9	1.4	1.4	1.4	1.2	1.2	1.2	0.5	0.5	
All Buildings	58,199	9,906	62,338	60,219	170.21	1.07	1.03	6.29	6.08	3.7
Census Region										
Northeast	11,830	1,923	14,771	14,269	162.55	1.25	1.21	7.68	7.42	7.7
Midwest	16,034	2,788	16,271	15,718	173.89	1.01	0.98	5.84	5.64	5.8
South	19,397	3,247	18,349	17,725	167.38	0.95	0.91	5.65	5.46	5.8
West	10,937	1,948	12,948	12,508	178.10	1.18	1.14	6.65	6.42	8.5
Census Division										
New England	3,374	467	3,227	3,118	138.28	0.96	0.92	6.92	6.68	8.7
Middle Atlantic	8,456	1,456	11,544	11,151	172.23	1.37	1.32	7.93	7.66	9.4
East North Central	11,002	1,832	11,018	10,644	166.53	1.00	0.97	6.01	5.81	6.9
West North Central	5,033	956	5,253	5,074	189.97	1.04	1.01	5.49	5.31	10.3
South Atlantic	9,362	1,707	9,755	9,424	182.37	1.04	1.01	5.71	5.52	8.7
East South Central	4,164	546	2,938	2,838	131.02	0.71	0.68	5.38	5.20	9.9
West South Central	5,871	994	5,655	5,463	169.29	0.96	0.93	5.69	5.50	9.7
Mountain	3,145	795	4,601	4,444	252.69	1.46	1.41	5.79	5.59	15.5
Pacific	7,792	1,153	8,347	8,063	148.00	1.07	1.03	7.24	6.99	9.6
Principal Building Activity										
Assembly	7,339	732	5,127	4,953	99.77	0.70	0.67	7.00	6.76	9.0
Education	7,292	1,001	5,964	5,762	137.34	0.82	0.79	5.96	5.75	6.4
Food Sales and Service	1,993	846	5,461	5,276	424.67	2.74	2.65	6.45	6.23	7.8
Health Care	2,107	728	3,947	3,813	345.64	1.87	1.81	5.42	5.23	11.8
Lodging	2,785	547	3,339	3,226	196.27	1.20	1.16	6.11	5.90	9.8
Mercantile and Service	12,805	2,091	13,552	13,091	163.26	1.06	1.02	6.48	6.26	6.8
Office	9,546	2,330	15,282	14,763	244.04	1.60	1.55	6.56	6.34	8.8
Warehouse	8,996	981	5,780	5,583	109.05	0.64	0.62	5.89	5.69	9.9
Other	2,406	487	2,816	2,720	202.52	1.17	1.13	5.78	5.58	9.6
Vacant	2,931	162	1,070	1,033	55.44	0.36	0.35	6.58	6.36	12.3
Building Floorspace (square feet)										
1,001 to 2,000	1,197	296	2,093	2,022	247.58	1.75	1.69	7.06	6.82	8.0
2,001 to 5,000	5,011	1,169	8,145	7,868	233.37	1.63	1.57	6.96	6.73	9.7
5,001 to 10,000	6,861	1,155	7,786	7,521	168.40	1.13	1.10	6.74	6.51	5.9
10,001 to 25,000	9,119	1,357	8,564	8,273	148.80	0.94	0.91	6.31	6.10	5.7
25,001 to 50,000	8,661	1,301	8,095	7,820	150.22	0.93	0.90	6.22	6.01	6.2
50,001 to 100,000	8,559	1,262	7,680	7,419	147.42	0.90	0.87	6.09	5.88	7.2
100,001 to 200,000	7,161	1,090	6,364	6,147	152.27	0.89	0.86	5.84	5.64	8.1
200,001 to 500,000	6,737	1,313	8,049	7,775	194.92	1.19	1.15	6.13	5.92	13.3
Over 500,000	4,893	961	5,562	5,373	196.49	1.14	1.10	5.79	5.59	16.9
Year Constructed										
1899 or Before	1,967	178	1,167	1,128	90.67	0.59	0.57	6.54	6.32	13.4
1900 to 1919	3,767	463	3,624	3,500	122.91	0.96	0.93	7.83	7.56	20.2
1920 to 1945	8,894	1,117	7,165	6,921	125.54	0.81	0.78	6.42	6.20	7.2
1946 to 1959	8,534	1,180	7,727	7,464	138.28	0.91	0.87	6.55	6.32	6.9
1960 to 1969	11,117	2,323	14,274	13,789	208.91	1.28	1.24	6.15	5.94	7.4
1970 to 1979	14,036	2,942	17,758	17,154	209.60	1.27	1.22	6.04	5.83	6.6
1980 to 1986	9,883	1,703	10,624	10,263	172.36	1.08	1.04	6.24	6.03	5.6

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 C9.86s. Total and Average Site Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1986

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	1986 Dollars		1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	
RSE Column Factors:	0.9	1.3	1.3	1.3	1.1	1.1	1.1	0.7	0.7	
All Buildings	58,199	4,977	62,338	60,219	85.52	1.07	1.03	12.53	12.10	4.0
Census Region										
Northeast	11,830	1,037	14,771	14,269	87.68	1.25	1.21	14.24	13.76	8.1
Midwest	16,034	1,585	16,271	15,718	98.82	1.01	0.98	10.27	9.92	6.4
South	19,397	1,459	18,349	17,725	75.23	0.95	0.91	12.57	12.15	6.0
West	10,937	896	12,948	12,508	81.90	1.18	1.14	14.45	13.96	9.2
Census Division										
New England	3,374	268	3,227	3,118	79.44	0.96	0.92	12.04	11.63	9.6
Middle Atlantic	8,456	769	11,544	11,151	90.97	1.37	1.32	15.01	14.50	9.9
East North Central	11,002	1,021	11,018	10,644	92.84	1.00	0.97	10.79	10.42	7.3
West North Central	5,033	563	5,253	5,074	111.90	1.04	1.01	9.33	9.01	12.0
South Atlantic	9,362	749	9,755	9,424	80.03	1.04	1.01	13.02	12.58	8.7
East South Central	4,164	250	2,938	2,838	59.92	0.71	0.68	11.77	11.37	10.8
West South Central	5,871	460	5,655	5,463	78.43	0.96	0.93	12.28	11.86	10.0
Mountain	3,145	362	4,601	4,444	114.96	1.46	1.41	12.73	12.29	17.4
Pacific	7,792	534	8,347	8,063	68.56	1.07	1.03	15.62	15.09	10.2
Principal Building Activity										
Assembly	7,339	394	5,127	4,953	53.73	0.70	0.67	13.00	12.56	9.4
Education	7,292	632	5,964	5,762	86.74	0.82	0.79	9.43	9.11	6.9
Food Sales and Service	1,993	394	5,461	5,276	197.79	2.74	2.65	13.85	13.38	8.9
Health Care	2,107	456	3,947	3,813	216.40	1.87	1.81	8.66	8.36	14.0
Lodging	2,785	299	3,339	3,226	107.31	1.20	1.16	11.17	10.79	10.7
Mercantile and Service	12,805	985	13,552	13,091	76.96	1.06	1.02	13.75	13.28	7.4
Office	9,546	1,008	15,282	14,763	105.63	1.60	1.55	15.16	14.64	9.8
Warehouse	8,996	462	5,780	5,583	51.37	0.64	0.62	12.51	12.08	9.7
Other	2,406	254	2,816	2,720	105.52	1.17	1.13	11.09	10.71	11.2
Vacant	2,931	91	1,070	1,033	31.16	0.36	0.35	11.71	11.31	13.3
Building Floorspace (square feet)										
1,001 to 2,000	1,197	144	2,093	2,022	119.87	1.75	1.69	14.59	14.09	9.1
2,001 to 5,000	5,011	547	8,145	7,868	109.14	1.63	1.57	14.89	14.39	9.0
5,001 to 10,000	6,861	583	7,786	7,521	84.94	1.13	1.10	13.36	12.91	6.1
10,001 to 25,000	9,119	713	8,564	8,273	78.15	0.94	0.91	12.02	11.61	6.1
25,001 to 50,000	8,661	658	8,095	7,820	75.92	0.93	0.90	12.31	11.89	7.0
50,001 to 100,000	8,559	637	7,680	7,419	74.47	0.90	0.87	12.05	11.64	7.7
100,001 to 200,000	7,161	577	6,364	6,147	80.52	0.89	0.86	11.04	10.66	9.1
200,001 to 500,000	6,737	679	8,049	7,775	100.82	1.19	1.15	11.85	11.45	15.0
Over 500,000	4,893	440	5,562	5,373	90.00	1.14	1.10	12.63	12.20	18.3
Year Constructed										
1899 or Before	1,967	109	1,167	1,128	55.29	0.59	0.57	10.73	10.37	14.5
1900 to 1919	3,767	263	3,624	3,500	69.88	96	0.93	13.76	13.30	21.0
1920 to 1945	8,894	687	7,165	6,921	77.28	0.81	0.78	10.42	10.07	7.4
1946 to 1959	8,534	638	7,727	7,464	74.75	0.91	0.87	12.11	11.70	7.5
1960 to 1969	11,117	1,149	14,274	13,789	103.36	1.28	1.24	12.42	12.00	7.5
1970 to 1979	14,036	1,396	17,758	17,154	99.48	1.27	1.22	12.72	12.29	7.9
1980 to 1986	9,883	734	10,624	10,263	74.30	1.08	1.04	14.47	13.98	6.3

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 C10.86p. Total and Average Primary Consumption and Expenditures for Electricity in Commercial Buildings, 1986

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	1986 Dollars		1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	
RSE Column Factors:	0.9	1.5	1.4	1.4	1.2	1.2	1.2	0.5	0.5	
All Buildings	56,508	7,319	48,847	47,186	129.53	0.86	0.84	6.67	6.45	4.1
Census Region										
Northeast	11,429	1,315	11,269	10,887	115.08	0.99	0.95	8.57	8.28	9.1
Midwest	15,680	1,787	11,252	10,869	113.99	0.72	0.69	6.30	6.08	6.7
South	18,753	2,654	15,379	14,856	141.55	0.82	0.79	5.79	5.60	6.2
West	10,647	1,562	10,575	10,575	146.74	1.03	0.99	7.01	6.77	9.2
Census Division										
New England	3,336	295	2,238	2,162	88.38	0.67	0.65	7.59	7.33	9.9
Middle Atlantic	8,093	1,020	9,030	8,723	126.08	1.12	1.08	8.85	8.55	11.0
East North Central	10,772	1,204	7,809	7,543	111.76	0.72	0.70	6.49	6.27	8.7
West North Central	4,907	583	3,443	3,326	118.90	0.70	0.68	5.90	5.70	9.6
South Atlantic	9,091	1,423	8,163	7,886	156.49	0.90	0.87	5.74	5.54	9.2
East South Central	3,960	440	2,469	2,385	111.03	0.62	0.60	5.61	5.42	9.4
West South Central	5,702	792	4,747	4,585	138.92	0.83	0.80	5.99	5.79	10.8
Mountain	3,054	643	3,962	3,827	210.65	1.30	1.25	6.16	5.95	16.5
Pacific	7,594	919	6,986	6,748	121.04	0.92	0.89	7.60	7.34	10.1
Principal Building Activity										
Assembly	7,287	502	3,837	3,707	68.87	0.53	0.51	7.65	7.39	10.6
Education	7,200	548	3,732	3,606	76.10	0.52	0.50	6.81	6.58	6.4
Food Sales and Service	1,989	672	4,528	4,374	337.60	2.28	2.20	6.74	6.51	8.3
Health Care	2,104	404	2,368	2,287	192.20	1.13	1.09	5.86	5.66	10.2
Lodging	2,785	368	2,331	2,251	132.09	0.84	0.81	6.34	6.12	9.7
Mercantile and Service	12,710	1,641	11,161	10,781	129.12	0.88	0.85	6.80	6.57	7.5
Office	9,499	1,962	13,338	12,884	206.56	1.40	1.36	6.80	6.57	9.4
Warehouse	8,540	771	4,697	4,537	90.22	0.55	0.53	6.10	5.89	11.0
Other	2,365	347	2,115	2,043	146.53	0.89	0.86	6.10	5.90	11.1
Vacant	2,030	106	740	715	52.05	0.36	0.35	7.00	6.77	13.5
Building Floorspace (square feet)										
1,001 to 2,000	1,116	227	1,720	1,662	203.51	1.54	1.49	7.58	7.32	8.7
2,001 to 5,000	4,784	924	6,742	6,513	193.26	1.41	1.36	7.29	7.05	11.0
5,001 to 10,000	6,588	850	6,172	5,962	129.07	0.94	0.90	7.26	7.01	7.1
10,001 to 25,000	8,843	957	6,485	6,265	108.19	0.73	0.71	6.78	6.55	6.8
25,001 to 50,000	8,499	956	6,274	6,060	112.42	0.73	0.71	6.57	6.34	6.8
50,001 to 100,000	8,178	927	5,922	5,720	113.36	0.72	0.70	6.39	6.17	7.9
100,001 to 200,000	7,042	763	4,673	4,514	108.34	0.66	0.64	6.13	5.92	8.1
200,001 to 500,000	6,730	941	6,281	6,067	139.88	0.93	0.90	6.67	6.44	15.0
Over 500,000	4,728	774	4,578	4,422	163.64	0.97	0.94	5.92	5.72	19.2
Year Constructed										
1899 or Before	1,910	103	746	721	54.12	0.39	0.38	7.22	6.97	17.4
1900 to 1919	3,553	297	2,681	2,589	83.50	0.75	0.73	9.03	8.73	24.6
1920 to 1945	8,317	637	4,566	4,411	76.64	0.55	0.53	7.16	6.92	8.2
1946 to 1959	8,126	805	5,799	5,602	99.07	0.71	0.69	7.20	6.96	7.6
1960 to 1969	11,011	1,743	11,263	10,880	158.26	1.02	0.99	6.46	6.24	8.4
1970 to 1979	13,927	2,295	14,514	14,020	164.80	1.04	1.01	6.32	6.11	6.7
1980 to 1986	9,665	1,439	9,278	8,963	148.90	0.96	0.93	6.45	6.23	5.7

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 C10.86s. Total and Average Site Consumption and Expenditures for Electricity in Commercial Buildings, 1986

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	1986 Dollars		1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	
RSE Column Factors:	0.9	1.5	1.4	1.4	1.2	1.2	1.2	0.5	0.5	
All Buildings	56,508	2,390	48,847	47,186	42.30	0.86	0.84	20.43	19.74	4.1
Census Region										
Northeast	11,429	430	11,269	10,886	37.58	0.99	0.95	26.24	25.34	9.1
Midwest	15,680	584	11,252	10,869	37.23	0.72	0.69	19.28	18.62	6.7
South	18,753	867	15,379	14,856	46.23	0.82	0.79	17.74	17.14	6.2
West	10,647	510	10,948	10,575	47.92	1.03	0.99	21.46	20.73	9.2
Census Division										
New England	3,336	96	2,238	2,162	28.86	0.67	0.65	23.25	22.46	9.9
Middle Atlantic	8,093	333	9,030	8,723	41.18	1.12	1.08	27.10	26.18	11.0
East North Central	10,772	393	7,809	7,543	36.50	0.72	0.70	19.86	19.19	8.7
West North Central	4,907	191	3,443	3,326	38.83	0.70	0.68	18.07	17.45	9.6
South Atlantic	9,091	465	8,163	7,886	51.11	0.90	0.87	17.57	16.97	9.2
East South Central	3,960	144	2,469	2,385	36.26	0.62	0.60	17.19	16.61	9.4
West South Central	5,702	259	4,747	4,585	45.37	0.83	0.80	18.35	17.73	10.8
Mountain	3,054	210	3,962	3,827	68.79	1.30	1.25	18.86	18.22	16.5
Pacific	7,594	300	6,986	6,748	39.53	0.92	0.89	23.27	22.48	10.1
Principal Building Activity										
Assembly	7,287	164	3,837	3,707	22.49	0.53	0.51	23.41	22.62	10.6
Education	7,200	179	3,732	3,606	24.85	0.52	0.50	20.86	20.15	6.4
Food Sales and Service	1,989	219	4,528	4,374	110.25	2.28	2.20	20.65	19.94	8.3
Health Care	2,104	132	2,368	2,287	62.77	1.13	1.09	17.93	17.32	10.2
Lodging	2,785	120	2,331	2,251	43.14	0.84	0.81	19.40	18.74	9.7
Mercantile and Service	12,710	536	11,161	10,781	42.17	0.88	0.85	20.82	20.12	7.5
Office	9,499	641	13,338	12,884	67.46	1.40	1.36	20.82	20.11	9.4
Warehouse	8,540	252	4,697	4,537	29.47	0.55	0.53	18.66	18.03	11.0
Other	2,365	113	2,115	2,043	47.85	0.89	0.86	18.69	18.05	11.1
Vacant	2,030	34	740	715	17.00	0.36	0.35	21.45	20.72	13.5
Building Floorspace (square feet)										
1,001 to 2,000	1,116	74	1,720	1,662	66.46	1.54	1.49	23.20	22.41	8.7
2,001 to 5,000	4,784	302	6,742	6,513	63.12	1.41	1.36	22.33	21.57	11.0
5,001 to 10,000	6,588	278	6,172	5,962	42.15	0.94	0.90	22.22	21.47	7.1
10,001 to 25,000	8,843	312	6,485	6,265	35.33	0.73	0.71	20.76	20.05	6.8
25,001 to 50,000	8,499	312	6,274	6,060	36.72	0.74	0.71	20.10	19.42	6.8
50,001 to 100,000	8,178	303	5,922	5,720	37.02	0.72	0.70	19.56	18.89	7.9
100,001 to 200,000	7,042	249	4,673	4,514	35.38	0.66	0.64	18.75	18.12	8.1
200,001 to 500,000	6,730	307	6,281	6,067	45.68	0.93	0.90	20.43	19.73	15.0
Over 500,000	4,728	253	4,578	4,422	53.44	0.97	0.94	18.12	17.50	19.2
Year Constructed										
1899 or Before	1,910	34	746	721	17.68	0.39	0.38	22.10	21.35	17.4
1900 to 1919	3,553	97	2,681	2,589	27.27	0.75	0.73	27.67	26.72	24.6
1920 to 1945	8,317	208	4,566	4,411	25.03	0.55	0.53	21.94	21.19	8.2
1946 to 1959	8,126	263	5,799	5,602	32.36	0.71	0.69	22.06	21.31	7.6
1960 to 1969	11,011	569	11,263	10,880	51.69	1.02	0.99	19.79	19.12	8.4
1970 to 1979	13,927	750	14,514	14,020	53.82	1.04	1.01	19.36	18.70	6.7
1980 to 1986	9,665	470	9,278	8,963	48.63	0.96	0.93	19.74	19.07	5.7

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 C11.86. Total and Average Consumption and Expenditures for Natural Gas in Commercial Buildings, 1986

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	1986 Dollars		1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	
RSE Column Factors:	1.1	1.5	1.4	1.4	1.2	1.1	1.1	0.4	0.4	
All Buildings	37,263	1,723	8,649	8,355	46.23	0.23	0.22	5.02	4.85	3.8
Census Region										
Northeast	6,885	244	1,524	1,472	35.41	0.22	0.21	6.25	6.04	8.4
Midwest	12,424	742	3,520	3,400	59.71	0.28	0.27	4.74	4.58	6.7
South	10,426	426	2,027	1,958	40.84	0.19	0.19	4.76	4.60	6.8
West	7,528	311	1,578	1,524	41.37	0.21	0.20	5.07	4.89	7.2
Census Division										
New England	1,689	40	269	260	23.64	0.16	0.15	6.73	6.50	18.1
Middle Atlantic	5,197	204	1,255	1,212	39.23	0.24	0.23	6.16	5.95	8.9
East North Central	8,694	529	2,610	2,521	60.88	0.30	0.29	4.93	4.76	6.7
West North Central	3,729	213	910	879	57.01	0.24	0.24	4.28	4.13	14.9
South Atlantic	3,752	156	849	820	41.52	0.23	0.22	5.45	5.26	9.7
East South Central	2,346	91	421	406	38.85	0.18	0.17	4.61	4.46	13.4
West South Central	4,328	179	758	732	41.33	0.18	0.17	4.24	4.09	8.8
Mountain	2,213	143	585	565	64.57	0.26	0.26	4.10	3.96	10.7
Pacific	5,314	168	993	959	31.70	0.19	0.18	5.89	5.69	8.8
Principal Building Activity										
Assembly	5,021	157	839	811	31.30	0.17	0.16	5.34	5.16	7.3
Education	5,515	254	1,231	1,189	45.99	0.22	0.22	4.85	4.69	7.1
Food Sales and Service	1,414	159	834	805	112.77	0.59	0.57	5.23	5.05	8.8
Health Care	1,615	205	915	884	127.22	0.57	0.55	4.46	4.30	12.7
Lodging	1,868	105	541	523	56.11	0.29	0.28	5.16	4.99	9.9
Mercantile and Service	8,743	332	1,766	1,706	37.96	0.20	0.20	5.32	5.14	9.0
Office	5,726	258	1,219	1,178	45.10	0.21	0.21	4.72	4.56	13.1
Warehouse	4,852	143	747	722	29.49	0.15	0.15	5.22	5.04	10.5
Other	1,288	71	349	337	55.47	0.27	0.26	4.88	4.72	12.6
Vacant	1,222	38	207	200	30.86	0.17	0.16	5.49	5.30	11.6
Building Floorspace (square feet)										
1,001 to 2,000	515	58	301	291	113.09	0.58	0.56	5.17	5.00	12.8
2,001 to 5,000	2,492	190	1,061	1,025	76.34	0.43	0.41	5.58	5.39	6.5
5,001 to 10,000	4,024	236	1,249	1,206	58.72	0.31	0.30	5.29	5.11	6.1
10,001 to 25,000	5,700	305	1,573	1,519	53.53	0.28	0.27	5.15	4.98	7.2
25,001 to 50,000	5,274	191	1,001	967	36.16	0.19	0.18	5.25	5.07	5.8
50,001 to 100,000	5,172	220	1,095	1,057	42.45	0.21	0.20	4.99	4.82	8.0
100,001 to 200,000	5,251	180	878	848	34.21	0.17	0.16	4.89	4.72	10.6
200,001 to 500,000	5,204	229	999	965	43.97	0.19	0.19	4.37	4.22	14.9
Over 500,000	3,632	114	492	476	31.48	0.14	0.13	4.31	4.16	20.0
Year Constructed										
1899 or Before	1,118	46	247	239	41.34	0.22	0.21	5.34	5.16	13.6
1900 to 1919	2,514	96	480	464	38.25	0.9	0.18	4.99	4.82	12.1
1920 to 1945	5,654	274	1,471	1,421	48.45	0.26	0.25	5.37	5.19	7.6
1946 to 1959	5,838	261	1,323	1,278	44.70	0.23	0.22	5.07	4.90	8.0
1960 to 1969	7,639	389	1,928	1,862	50.95	0.25	0.24	4.95	4.78	5.9
1970 to 1979	8,923	448	2,134	2,061	50.19	0.24	0.23	4.77	4.60	9.0
1980 to 1986	5,577	208	1,066	1,030	37.38	0.19	0.18	5.12	4.94	6.8

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 C12.86. Total and Average Consumption and Expenditures for Fuel Oil in Commercial Buildings, 1986

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	1986 Dollars		1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	
RSE Column Factors:	1.2	1.6	1.5	1.5	1.4	1.2	1.2	0.4	0.4	
All Buildings	11,005	442	2,131	2,059	40.14	0.19	0.19	4.83	4.66	7.3
Census Region										
Northeast	5,087	270	1,317	1,272	53.00	0.26	0.25	4.88	4.72	8.1
Midwest	2,040	63	288	278	30.95	0.14	0.14	4.56	4.40	21.6
South	2,522	86	408	394	34.15	0.16	0.16	4.74	4.58	14.4
West	1,356	23	Q	Q	16.82	0.09	0.08	5.20	5.02	29.3
Census Division										
New England	2,096	104	503	486	49.52	0.24	0.23	4.85	4.68	11.0
Middle Atlantic	2,992	166	814	786	55.44	0.27	0.26	4.91	4.74	11.7
East North Central	1,632	31	158	153	18.91	0.10	0.09	5.13	4.95	10.6
West North Central	409	Q	Q	Q	79.05	0.32	0.31	4.02	3.88	25.3
South Atlantic	2,143	80	373	361	37.26	0.17	0.17	4.67	4.51	15.0
East South Central	205	4	Q	Q	20.84	0.12	0.12	5.75	5.55	4.5
West South Central	173	2	Q	Q	11.33	0.06	0.06	5.21	5.04	7.0
Mountain	168	2	9	9	9.83	0.06	0.05	5.74	5.55	29.1
Pacific	1,188	21	Q	Q	17.80	0.09	0.09	5.16	4.98	30.6
Principal Building Activity										
Assembly	1,504	42	229	221	28.23	0.15	0.15	5.40	5.21	14.0
Education	1,680	103	464	448	61.45	0.28	0.27	4.49	4.34	14.9
Food Sales and Service	176	6	39	38	35.35	0.22	0.21	6.27	6.06	12.8
Health Care	971	39	Q	Q	39.79	0.17	0.16	4.15	4.01	35.6
Lodging	525	20	95	92	37.32	0.18	0.18	4.86	4.69	20.0
Mercantile and Service	2,424	105	534	516	43.49	0.22	0.21	5.07	4.90	14.6
Office	1,763	39	201	194	21.97	0.11	0.11	5.18	5.00	11.4
Warehouse	1,158	48	211	204	41.56	0.18	0.18	4.38	4.23	22.9
Other	619	31	Q	Q	50.11	0.25	0.24	5.00	4.83	21.5
Vacant	185	8	Q	Q	44.58	0.23	0.22	5.18	5.00	42.9
Building Floorspace (square feet)										
1,001 to 2,000	116	9	55	53	74.73	0.47	0.46	6.34	6.12	14.9
2,001 to 5,000	587	43	257	248	73.79	0.44	0.42	5.93	5.73	10.3
5,001 to 10,000	1,009	62	326	315	61.91	0.32	0.31	5.22	5.04	13.9
10,001 to 25,000	1,103	60	322	311	54.62	0.29	0.28	5.35	5.16	14.0
25,001 to 50,000	1,460	101	467	451	68.90	0.32	0.31	4.64	4.48	15.7
50,001 to 100,000	1,405	45	215	208	32.27	0.15	0.15	4.75	4.59	16.9
100,001 to 200,000	1,217	59	243	235	48.72	0.19	0.19	4.10	3.96	25.7
200,001 to 500,000	2,169	44	182	175	20.16	0.08	0.08	4.15	4.01	16.3
Over 500,000	1,941	18	Q	Q	9.35	Q	Q	3.62	3.49	44.4
Year Constructed										
1899 or Before	797	20	111	107	25.31	0.13	0.13	5.49	5.30	14.9
1900 to 1919	924	33	186	179	35.90	0.20	0.19	5.60	5.41	13.8
1920 to 1945	1,848	108	511	493	58.56	0.28	0.27	4.72	4.56	19.5
1946 to 1959	1,707	78	373	361	45.94	0.22	0.21	4.76	4.60	11.2
1960 to 1969	1,854	88	410	396	47.30	0.22	0.21	4.68	4.52	16.7
1970 to 1979	2,355	90	420	405	38.24	0.18	0.17	4.66	4.50	15.1
1980 to 1986	1,519	24	121	117	15.74	0.08	0.08	5.04	4.87	19.7

Q = Data withheld because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.
 Notes: • To obtain 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 C13.86. Total and Average Consumption and Expenditures for District Heat in Commercial Buildings, 1986

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:	1.1	1.3	1.3	0.9	0.9	0.7	
All Buildings	4,625	422	2620	91.24	0.57	6.21	16.0
Census Region							
Northeast	1,383	94	639	68.20	0.46	6.78	21.3
Midwest	1,798	196	1,170	108.89	0.65	5.98	27.6
South	708	81	516	113.82	0.73	6.41	27.9
West	736	51	294	69.72	0.40	5.72	22.2
Census Division							
New England	326	28	210	86.03	0.64	7.48	41.3
Middle Atlantic	1,058	66	430	62.70	0.41	6.48	22.7
East North Central	1,037	68	426	65.62	0.41	6.26	25.7
West North Central	761	128	744	167.88	0.98	5.83	36.7
South Atlantic	467	49	358	104.89	0.77	7.30	33.1
East South Central	52	11	Q	Q	0.45	Q	33.9
West South Central	188	21	Q	Q	Q	6.45	8.5
Mountain	182	7	43	37.93	0.24	6.21	37.1
Pacific	554	44	251	80.15	0.45	5.65	26.7
Principal Building Activity							
Assembly	471	31	214	65.35	0.45	6.94	23.6
Education	828	97	519	116.84	0.63	5.37	30.7
Food Sales and Service	50	9	59	186.49	1.18	6.32	7.0
Health Care	557	80	486	143.39	0.87	6.09	20.2
Lodging	446	54	360	121.97	0.81	6.62	35.8
Mercantile and Service	161	12	88	75.48	0.54	7.21	33.4
Office	1,452	71	507	48.56	0.35	7.18	23.7
Warehouse	189	19	121	101.80	0.64	6.27	37.0
Other	299	38	190	127.74	0.63	4.97	36.2
Vacant	173	Q	Q	62.92	0.45	7.10	24.2
Building Floorspace (square feet)							
1,001 to 2,000	Q	Q	Q	Q	Q	6.59	0.0
2,001 to 5,000	57	Q	Q	202.11	1.45	7.15	22.9
5,001 to 10,000	36	6	38	178.31	1.08	6.05	9.7
10,001 to 25,000	312	35	178	111.72	0.57	5.11	31.0
25,001 to 50,000	429	54	342	126.46	0.80	6.30	32.2
50,001 to 100,000	746	70	433	93.37	0.58	6.22	29.2
100,001 to 200,000	777	89	550	113.95	0.71	6.22	29.6
200,001 to 500,000	1,304	99	567	76.14	0.44	5.72	25.6
Over 500,000	956	55	412	57.73	0.43	7.47	26.6
Year Constructed							
1899 or Before	135	9	61	63.58	0.45	7.14	37.3
1900 to 1919	552	37	268	67.06	0.49	7.24	38.6
1920 to 1945	1,083	97	596	89.51	0.55	6.15	24.8
1946 to 1959	459	36	223	77.73	0.49	6.27	23.6
1960 to 1969	1,125	103	650	91.59	0.58	6.31	32.5
1970 to 1979	1,013	109	667	107.40	0.66	6.13	28.1
1980 to 1986	258	32	154	123.72	0.60	4.81	31.9

¹ Current (1986) dollars only.

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.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.86s. Total Site 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	2.2	2.5	
RSE Column Factors:	0.5	0.5	0.8	0.5	0.9	0.7	1.0	1.5	1.7	2.2	2.5	
All Buildings	4,154	3,988	4,977	3,965	2,390	2,214	1,723	534	442	77	422	6.7
Census Region												
Northeast	663	639	1,037	635	430	287	244	259	270	17	94	11.8
Midwest	1,096	1,036	1,585	1,028	584	721	742	107	63	22	196	13.1
South	1,570	1,514	1,459	1,506	867	719	426	134	86	25	81	12.0
West	825	798	896	796	510	487	311	35	23	13	51	17.3
Census Division												
New England	189	185	268	185	96	51	40	109	104	5	28	19.6
Middle Atlantic	475	454	769	449	333	236	204	150	166	12	66	14.5
East North Central	738	701	1021	695	393	493	529	87	31	12	68	12.9
West North Central	358	335	563	333	191	228	213	20	Q	10	128	21.5
South Atlantic	659	636	749	632	465	186	156	103	80	11	49	18.9
East South Central	349	338	250	338	144	171	91	26	4	Q	11	19.1
West South Central	562	541	460	536	259	362	179	5	2	Q	21	15.5
Mountain	277	263	362	261	210	187	143	11	2	7	7	28.2
Pacific	548	536	534	535	300	300	168	24	21	7	44	19.6
Principal Building Activity												
Assembly	575	572	394	571	164	335	157	72	42	9	31	12.5
Education	241	241	632	240	179	162	254	33	103	9	97	13.6
Food Sales and Service	303	303	394	302	219	199	159	29	6	1	9	12.4
Health Care	52	51	456	51	132	32	205	10	39	4	80	20.6
Lodging	137	137	299	137	120	69	105	17	20	8	54	17.8
Mercantile and Service	1,287	1,280	985	1,273	536	740	332	208	105	11	12	11.5
Office	614	608	1,008	607	641	349	258	74	39	18	71	12.8
Warehouse	549	490	462	487	252	177	143	52	48	4	19	15.9
Other	157	146	254	145	113	65	71	26	31	9	38	19.2
Vacant	238	160	91	152	35	86	38	12	8	Q	Q	19.8
Building Floorspace (square feet)												
1,001 to 2,000	778	727	144	724	74	333	58	76	9	Q	Q	14.8
2,001 to 5,000	1,442	1,383	547	1,374	302	718	190	171	43	16	Q	11.3
5,001 to 10,000	931	900	583	893	278	539	236	139	62	5	6	9.7
10,001 to 25,000	557	541	713	540	312	345	305	69	60	19	35	11.0
25,001 to 50,000	242	239	658	238	312	147	191	41	101	12	54	12.1
50,001 to 100,000	123	118	637	118	303	74	220	21	45	11	70	12.8
100,001 to 200,000	51	51	577	51	249	38	180	8	59	6	89	16.0
200,001 to 500,000	23	23	679	23	307	17	229	7	44	4	99	17.6
Over 500,000	6	6	440	6	253	4	114	2	18	1	55	25.0
Year Constructed												
1899 or Before	152	147	109	146	34	99	46	38	20	Q	9	22.3
1900 to 1919	258	237	263	232	97	148	96	52	33	11	37	17.3
1920 to 1945	662	628	687	624	208	405	274	97	108	17	97	11.7
1946 to 1959	755	724	638	719	263	429	261	111	78	9	36	12.1
1960 to 1969	749	731	1,149	727	569	426	389	93	88	19	103	12.1
1970 to 1979	919	898	1396	893	750	444	448	102	90	12	109	12.0
1980 to 1986	660	624	734	623	470	263	208	41	24	7	32	11.1

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

Notes: • To obtain 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 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.

• 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 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)	
	0.5	0.6	0.8	0.6	0.9	0.7	1.0	1.3	1.7	2.1	2.6	
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.

• 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 C20.86. Total Expenditures (1987 and 1986 Dollars) for All End Uses in Commercial Buildings, 1986
(Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		
	1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	1987 Dollars	1986 Dollars	1987 Dollars	1986 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	62,338	60,219	48,847	47,186	8,649	8,355	2,131	2,059	6.1
Census Region									
Northeast	14,771	14,269	11,269	10,886	1,524	1,472	1,317	1,272	12.3
Midwest	16,271	15,718	11,252	10,869	3,520	3,400	288	278	11.4
South	18,349	17,725	15,379	14,856	2,027	1,958	408	394	11.0
West	12,948	12,508	10,948	10,575	1,578	1,524	Q	Q	14.3
Census Division									
New England	3,227	3,118	2,238	2,162	269	260	503	486	16.1
Middle Atlantic	11,544	11,151	9,030	8,723	1,255	1,212	814	786	15.3
East North Central	11,018	10,644	7,809	7,543	2,610	2,521	158	153	10.4
West North Central	5,253	5,074	3,443	3,326	910	879	Q	Q	17.4
South Atlantic	9,755	9,424	8,163	7,886	849	820	373	361	17.0
East South Central	2,938	2,838	2,469	2,385	421	406	Q	Q	18.5
West South Central	5,655	5,463	4,747	4,585	758	732	Q	Q	13.8
Mountain	4,601	4,444	3,962	3,827	585	565	9	9	25.4
Pacific	8,347	8,063	6,986	6,748	993	959	Q	Q	15.9
Principal Building Activity									
Assembly	5,127	4,953	3,837	3,707	839	811	229	221	13.4
Education	5,964	5,762	3,732	3,606	1,231	1,189	464	448	11.1
Food Sales and Service	5,461	5,276	4,528	4,374	834	805	39	38	14.1
Health Care	3,947	3,813	2,368	2,287	915	884	Q	Q	19.3
Lodging	3,339	3,226	2,331	2,251	541	523	95	92	16.4
Mercantile and Service	13,552	13,091	11,161	10,781	1,766	1,706	534	516	13.1
Office	15,282	14,763	13,338	12,884	1,219	1,178	201	194	14.4
Warehouse	5,780	5,583	4,697	4,537	747	722	211	204	16.6
Other	2,816	2,720	2,115	2,043	349	337	Q	Q	17.7
Vacant	1,070	1,033	740	715	207	200	Q	Q	23.4
Building Floorspace (square feet)									
1,001 to 2,000	2,093	2,022	1,720	1,662	301	291	55	53	14.8
2,001 to 5,000	8,145	7,868	6,742	6,513	1,061	1,025	257	248	13.5
5,001 to 10,000	7,786	7,521	6,172	5,962	1,249	1,206	326	315	10.6
10,001 to 25,000	8,564	8,273	6,485	6,265	1,573	1,519	322	311	10.8
25,001 to 50,000	8,095	7,820	6,274	6,060	1,001	967	467	451	12.4
50,001 to 100,000	7,680	7,419	5,922	5,720	1,095	1,057	215	208	13.3
100,001 to 200,000	6,364	6,147	4,673	4,514	878	848	243	235	16.7
200,001 to 500,000	8,049	7,775	6,281	6,067	999	965	182	175	22.0
Over 500,000	5,562	5,373	4,578	4,422	492	476	Q	Q	26.0
Year Constructed									
1899 or Before	1,167	1,128	746	721	247	239	111	107	22.0
1900 to 1919	3,624	3,500	2,681	2,589	480	464	186	179	25.7
1920 to 1945	7,165	6,921	4,566	4,411	1,471	1,421	511	493	12.5
1946 to 1959	7,727	7,464	5,799	5,602	1,323	1,278	373	361	10.3
1960 to 1969	14,274	13,789	11,263	10,880	1,928	1,862	410	396	12.9
1970 to 1979	17,758	17,154	14,514	14,020	2,134	2,061	420	405	12.8
1980 to 1986	10,624	10,263	9,278	8,963	1,066	1,030	121	117	11.1

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

Notes: • To obtain 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 C1.89. Commercial Building Characteristics, 1989

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:				
All Buildings	63,184	4,528	13,955	3.4
Census Region				
Northeast	13,569	783	17,320	8.3
Midwest	15,955	1,046	15,255	7.8
South	22,039	1,847	11,932	5.9
West	11,620	851	13,651	7.3
Census Division				
New England	3,173	184	17,203	12.5
Middle Atlantic	10,395	599	17,356	10.1
East North Central	10,681	686	15,579	10.0
West North Central	5,275	360	14,640	17.2
South Atlantic	10,090	737	13,685	11.0
East South Central	4,296	397	10,809	16.8
West South Central	7,653	712	10,744	8.6
Mountain	4,388	322	13,633	18.2
Pacific	7,232	529	13,662	8.3
Principal Building Activity				
Assembly	6,909	617	11,193	8.1
Education	8,076	282	28,645	8.1
Food Sales and Service	1,958	343	5,708	9.8
Health Care	2,054	80	25,721	15.6
Lodging	3,476	140	24,847	10.2
Mercantile and Service	12,365	1,278	9,672	4.6
Office	11,802	679	17,380	6.8
Warehouse	9,253	618	14,970	8.7
Other	3,129	157	19,970	13.0
Vacant	4,161	333	12,482	15.1
Building Floorspace (square feet)				
1,001 to 2,000	1,535	1,012	1,517	3.1
2,001 to 5,000	5,254	1,517	3,463	2.7
5,001 to 10,000	6,532	890	7,340	2.8
10,001 to 25,000	10,393	644	16,145	3.5
25,001 to 50,000	8,801	247	35,674	3.5
50,001 to 100,000	9,130	127	71,719	4.0
100,001 to 200,000	8,277	61	136,606	5.1
200,001 to 500,000	7,022	23	301,540	9.0
Over 500,000	6,239	7	866,789	10.3
Year Constructed				
1899 or Before	1,654	172	9,620	13.5
1900 to 1919	4,245	242	17,526	16.9
1920 to 1945	8,098	680	11,908	7.7
1946 to 1959	10,511	868	12,113	6.8
1960 to 1969	12,167	821	14,817	5.6
1970 to 1979	13,329	884	15,085	6.0
1980 to 1989	13,180	861	15,308	6.0

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.
 • 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C2A. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1989

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	4,528	63,184	4,299	61,618	4,294	61,563	2,420	41,143	3.4
Census Region									
Northeast	783	13,569	754	13,355	751	13,326	355	8,517	8.7
Midwest	1,046	15,955	1,003	15,718	1,001	15,704	734	12,815	7.3
South	1,847	22,039	1,724	21,228	1,723	21,215	806	11,660	6.6
West	851	11,620	819	11,318	819	11,318	525	8,151	7.1
Census Division									
New England	184	3,173	177	3,149	177	3,127	53	1,236	13.0
Middle Atlantic	599	10,395	576	10,206	574	10,199	302	7,281	10.4
East North Central	686	10,681	657	10,529	656	10,527	499	8,797	10.0
West North Central	360	5,275	345	5,188	345	5,177	236	4,018	15.6
South Atlantic	737	10,090	692	9,641	692	9,628	187	4,235	12.4
East South Central	397	4,296	381	4,218	381	4,218	168	2,034	19.5
West South Central	712	7,653	651	7,369	651	7,369	451	5,391	9.9
Mountain	322	4,388	300	4,172	300	4,172	204	3,121	16.6
Pacific	529	7,232	519	7,146	519	7,146	320	5,030	9.2
Principal Building Activity									
Assembly	617	6,909	615	6,856	614	6,851	345	4,304	8.6
Education	282	8,076	282	8,076	282	8,070	199	6,640	8.6
Food Sales and Service	343	1,958	343	1,958	343	1,958	248	1,366	10.0
Health Care	80	2,054	80	2,054	80	2,054	40	1,602	15.8
Lodging	140	3,476	140	3,476	140	3,476	101	2,541	10.4
Mercantile and Service	1,278	12,365	1,278	12,363	1,276	12,361	732	8,790	5.0
Office	679	11,802	679	11,802	679	11,796	394	7,220	6.6
Warehouse	618	9,253	544	8,852	543	8,850	207	5,135	9.8
Other	157	3,129	156	3,120	156	3,120	71	1,654	13.5
Vacant	333	4,161	183	3,061	182	3,027	84	1,891	17.6
Building Floorspace (square feet)									
1,001 to 2,000	1,012	1,535	921	1,399	919	1,397	437	671	7.2
2,001 to 5,000	1,517	5,254	1,443	5,019	1,441	5,012	788	2,752	4.9
5,001 to 10,000	890	6,532	855	6,297	855	6,297	532	3,955	5.8
10,001 to 25,000	644	10,393	622	10,001	622	9,989	355	5,752	5.9
25,001 to 50,000	247	8,801	243	8,671	243	8,671	153	5,451	6.2
50,001 to 100,000	127	9,130	125	8,939	125	8,918	88	6,207	7.5
100,001 to 200,000	61	8,277	60	8,222	60	8,222	45	6,018	9.4
200,001 to 500,000	23	7,022	23	7,002	23	6,996	17	5,054	16.7
Over 500,000	7	6,239	7	6,067	7	6,062	6	5,284	14.7
Year Constructed									
1899 or Before	172	1,654	163	1,574	162	1,568	98	1,004	15.3
1900 to 1919	242	4,245	223	3,871	223	3,849	152	3,068	15.7
1920 to 1945	680	8,098	631	7,880	631	7,880	396	5,741	8.2
1946 to 1959	868	10,511	823	10,198	823	10,185	512	7,238	7.2
1960 to 1969	821	12,167	777	11,929	775	11,921	454	8,467	5.6
1970 to 1979	884	13,329	855	13,177	855	13,172	420	8,103	6.4
1980 to 1989	861	13,180	827	12,990	827	12,987	388	7,522	6.4

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C2B. Energy Sources Used for All End Uses in Commercial Buildings, Number of Buildings and Total Floorspace, 1989 (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.)	
	0.8	0.6	1.1	1.2	1.2	1.2	1.0	1.0	
RSE Column Factors:	0.8	0.6	1.1	1.2	1.2	1.2	1.0	1.0	
All Buildings	581	12,600	98	6,578	24	1,927	348	4,695	13.2
Census Region									
Northeast	305	5,127	29	2,236	Q	321	85	1,073	24.3
Midwest	87	3,197	16	1,509	3	295	76	1,061	23.2
South	156	2,844	31	1,583	13	855	146	1,738	24.6
West	33	1,432	23	1,250	7	456	42	Q	24.9
Census Division									
New England	104	1,892	7	370	Q	Q	25	424	27.2
Middle Atlantic	201	3,235	21	1,866	Q	151	60	649	29.4
East North Central	56	1,948	9	845	Q	Q	39	707	22.6
West North Central	32	1,249	7	664	Q	Q	37	354	34.5
South Atlantic	123	2,037	4	169	7	146	97	1,264	25.1
East South Central	25	341	Q	Q	Q	Q	Q	Q	39.8
West South Central	Q	466	15	785	6	628	13	183	34.9
Mountain	9	309	11	Q	Q	99	8	Q	36.0
Pacific	23	1,123	12	517	5	356	34	336	26.4
Principal Building Activity									
Assembly	98	1,069	15	828	Q	Q	99	551	24.9
Education	38	2,209	16	1,128	9	338	22	1,143	25.5
Food Sales and Service	36	350	Q	Q	Q	Q	42	325	46.0
Health Care	13	1,397	4	680	Q	139	Q	75	30.4
Lodging	15	573	13	693	Q	53	19	468	30.4
Mercantile and Service	219	1,616	2	114	Q	Q	101	910	21.4
Office	67	2,909	23	2,316	5	646	12	124	23.5
Warehouse	49	1,429	7	191	*	*	28	789	27.4
Other	32	737	10	450	3	223	14	242	31.9
Vacant	14	310	Q	131	Q	Q	Q	69	34.6
Building Floorspace (square feet)									
1,001 to 2,000	117	179	Q	Q	*	*	81	124	23.9
2,001 to 5,000	185	642	7	29	Q	Q	124	463	24.6
5,001 to 10,000	97	698	15	112	4	32	65	454	21.1
10,001 to 25,000	95	1,495	30	540	5	75	49	738	22.3
25,001 to 50,000	36	1,319	13	498	5	161	13	461	21.0
50,001 to 100,000	23	1,675	11	838	4	281	10	748	20.9
100,001 to 200,000	17	2,228	8	1,179	4	656	4	540	28.6
200,001 to 500,000	6	1,798	5	1,264	1	202	1	468	28.9
Over 500,000	3	2,566	2	2,111	1	514	Q	Q	25.7
Year Constructed									
1899 or Before	31	406	Q	163	Q	Q	24	143	37.1
1900 to 1919	35	809	8	264	Q	Q	14	172	35.1
1920 to 1945	137	2,460	21	1,276	2	Q	44	515	23.2
1946 to 1959	141	2,068	18	1,579	4	211	59	960	27.9
1960 to 1969	95	2,275	22	1,214	9	440	57	831	19.4
1970 to 1979	90	2,399	11	1,227	5	781	82	1,020	21.4
1980 to 1989	52	2,182	14	855	4	189	68	1,054	27.5

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C3.89. Energy Sources Used for Space Heating in Commercial Buildings, Number of Buildings and Total Floorspace, 1989

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.)	
	0.5	0.5	0.8	0.8	0.6	0.7	1.2	1.0	1.8	1.9	1.8	1.9	
RSE Column Factors:	0.5	0.5	0.8	0.8	0.6	0.7	1.2	1.0	1.8	1.9	1.8	1.9	
All Buildings	3,876	57,868	1,283	18,702	2,158	33,017	555	10,526	94	6,065	238	1,767	7.8
Census Region													
Northeast	711	12,969	136	2,558	300	5,970	298	4,772	28	2,202	32	324	14.0
Midwest	920	15,067	159	2,808	705	11,709	86	2,746	13	1,137	62	435	13.8
South	1,512	19,170	703	8,956	690	9,098	150	2,314	30	1,533	114	887	14.5
West	734	10,662	284	4,379	462	6,241	22	694	23	1,192	Q	121	16.8
Census Division													
New England	168	3,043	22	629	43	804	103	1,838	7	362	9	171	22.7
Middle Atlantic	543	9,927	115	1,929	257	5,166	195	2,934	21	1,840	23	153	16.7
East North Central	605	10,095	104	1,773	480	8,039	55	1,626	8	761	30	280	17.3
West North Central	315	4,972	55	1,036	226	3,670	31	1,120	5	376	32	155	23.6
South Atlantic	575	8,382	295	4,700	154	2,982	119	1,754	4	153	72	574	21.0
East South Central	341	3,777	174	1,566	146	1,837	25	319	Q	Q	33	250	27.9
West South Central	596	7,011	235	2,690	390	4,279	Q	Q	15	751	10	63	20.7
Mountain	282	4,098	106	1,578	184	2,218	9	219	11	Q	6	Q	26.6
Pacific	451	6,564	177	2,802	279	4,023	13	476	11	460	Q	Q	19.1
Principal Building Activity													
Assembly	591	6,680	187	1,877	311	3,837	98	1,022	15	815	71	366	16.1
Education	277	8,016	54	1,119	182	5,082	36	2,152	15	1,030	12	158	16.6
Food Sales and Service	317	1,810	104	631	186	1,078	36	350	Q	Q	18	118	21.1
Health Care	75	2,028	37	422	36	1,337	12	1,198	3	376	Q	Q	25.5
Lodging	134	3,293	64	1,338	66	1,610	11	404	12	668	11	149	20.9
Mercantile and Service	1,219	12,040	351	4,530	687	7,427	216	1,444	2	113	74	510	12.5
Office	663	11,682	283	4,545	356	4,990	58	1,819	23	2,292	11	26	13.8
Warehouse	340	7,296	112	2,499	195	4,540	48	1,342	7	189	23	367	19.4
Other	124	2,521	41	1,020	65	1,398	28	484	9	406	10	46	24.6
Vacant	137	2,503	49	721	76	1,720	14	310	Q	131	Q	Q	30.1
Building Floorspace (square feet)													
1,001 to 2,000	803	1,216	251	372	397	612	117	179	Q	Q	73	110	14.2
2,001 to 5,000	1,297	4,543	415	1,443	715	2,499	180	623	7	29	94	353	12.6
5,001 to 10,000	760	5,620	228	1,698	485	3,601	95	682	15	112	37	266	14.5
10,001 to 25,000	588	9,434	239	3,817	303	4,886	89	1,380	29	506	22	325	12.1
25,001 to 50,000	224	7,994	85	3,013	134	4,820	33	1,216	13	481	6	206	15.2
50,001 to 100,000	118	8,420	39	2,766	75	5,302	21	1,450	10	748	5	392	14.7
100,001 to 200,000	58	7,902	17	2,341	32	4,406	14	1,816	8	1,123	Q	Q	16.8
200,001 to 500,000	22	6,763	6	1,781	14	4,303	4	1,290	5	1,234	*	40	24.4
Over 500,000	7	5,977	2	1,470	3	2,588	3	1,891	2	1,825	*	*	25.7
Year Constructed													
1899 or Before	154	1,536	41	379	88	889	31	406	Q	163	19	89	26.2
1900 to 1919	204	3,674	45	601	141	2,602	33	794	8	250	11	Q	26.0
1920 to 1945	585	7,489	117	1,323	345	4,314	137	2,398	21	1,017	26	160	16.5
1946 to 1959	758	9,793	179	2,106	473	5,984	136	1,868	16	1,495	35	139	14.7
1960 to 1969	686	11,183	218	3,292	409	7,092	88	2,051	21	1,091	41	390	12.5
1970 to 1979	771	12,373	333	5,014	364	6,563	85	1,640	11	1,201	56	431	12.6
1980 to 1989	718	11,821	350	5,986	338	5,573	45	1,368	14	847	50	447	14.2

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C4.89. Energy Sources Used for Cooling in Commercial Buildings, Number of Buildings and Total Floorspace, 1989

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	0.6	0.5	0.6	1.8	1.7	1.9	1.9	
All Buildings	3,184	51,770	3,072	47,905	97	1,976	24	1,906	7.6
Census Region									
Northeast	476	10,334	448	9,308	29	517	Q	321	17.7
Midwest	706	13,159	678	12,292	28	673	Q	274	16.0
South	1,426	18,957	1,394	18,062	21	445	13	855	13.4
West	576	9,320	551	8,243	18	340	7	456	14.3
Census Division									
New England	106	2,085	98	1,773	7	115	Q	Q	25.0
Middle Atlantic	371	8,250	350	7,534	22	401	Q	151	19.5
East North Central	452	8,735	430	8,120	21	538	Q	139	21.1
West North Central	254	4,423	248	4,172	7	135	Q	Q	25.6
South Atlantic	575	8,553	558	8,201	12	274	7	146	17.9
East South Central	301	3,587	297	3,501	Q	59	Q	Q	30.5
West South Central	551	6,818	540	6,360	Q	Q	6	628	21.5
Mountain	217	3,415	208	2,830	9	103	Q	99	29.6
Pacific	359	5,905	343	5,413	9	237	5	356	16.7
Principal Building Activity									
Assembly	432	5,354	418	4,961	10	236	Q	Q	17.9
Education	211	6,499	201	5,439	3	348	9	338	17.6
Food Sales and Service	300	1,806	283	1,750	18	Q	Q	Q	18.6
Health Care	77	2,018	73	1,804	Q	100	Q	139	22.7
Lodging	113	2,964	108	2,722	5	Q	Q	53	20.2
Mercantile and Service	929	10,803	907	10,448	23	339	Q	Q	11.2
Office	655	11,635	632	10,595	22	283	5	639	13.0
Warehouse	264	6,111	257	5,845	6	282	*	*	21.7
Other	93	2,443	87	2,229	Q	116	3	223	26.1
Vacant	110	2,137	106	2,112	Q	Q	Q	Q	42.3
Building Floorspace (square feet)									
1,001 to 2,000	604	914	593	898	11	19	*	*	15.5
2,001 to 5,000	1,048	3,651	1,016	3,544	32	102	Q	Q	10.5
5,001 to 10,000	647	4,809	619	4,617	21	156	4	32	10.8
10,001 to 25,000	494	8,010	477	7,739	17	248	5	75	13.9
25,001 to 50,000	205	7,271	195	6,914	7	254	4	148	14.2
50,001 to 100,000	108	7,764	101	7,214	6	457	4	281	14.5
100,001 to 200,000	50	6,916	46	6,297	2	259	4	656	21.1
200,001 to 500,000	22	6,460	20	5,883	1	321	1	195	24.4
Over 500,000	7	5,976	6	4,800	*	159	1	514	22.4
Year Constructed									
1899 or Before	115	1,223	108	1,188	Q	Q	Q	Q	35.0
1900 to 1919	137	3,075	134	3,011	3	Q	Q	Q	33.1
1920 to 1945	441	5,844	425	5,403	17	228	2	Q	16.8
1946 to 1959	572	8,285	557	7,370	9	243	4	198	15.8
1960 to 1969	586	10,056	567	9,032	16	663	9	440	12.5
1970 to 1979	665	11,616	641	10,746	17	348	5	781	14.1
1980 to 1989	667	11,671	639	11,155	30	420	4	189	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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C5.89. End Uses for All Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1989

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	0.9	1.2	1.2	2.2	2.6	
RSE Column Factors:	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.9	1.2	1.2	2.2	2.6	
All Buildings	4,528	63,184	3,876	57,868	3,183	53,584	3,184	51,770	864	23,668	205	5,601	4.7
Census Region													
Northeast	783	13,569	711	12,969	620	12,447	476	10,334	190	5,870	51	1,026	11.1
Midwest	1,046	15,955	920	15,067	786	14,211	706	13,159	180	6,490	43	1,538	9.7
South	1,847	22,039	1,512	19,170	1,149	16,925	1,426	18,957	311	7,194	64	1,732	8.9
West	851	11,620	734	10,662	629	10,002	576	9,320	183	4,114	47	1,304	10.0
Census Division													
New England	184	3,173	168	3,043	147	2,921	106	2,085	41	1,151	8	Q	16.0
Middle Atlantic	599	10,395	543	9,927	472	9,526	371	8,250	150	4,719	43	937	13.1
East North Central	686	10,681	605	10,095	521	9,656	452	8,735	122	4,316	33	1,209	13.2
West North Central	360	5,275	315	4,972	264	4,555	254	4,423	58	2,174	11	329	18.4
South Atlantic	737	10,090	575	8,382	436	7,556	575	8,553	122	3,119	28	746	12.6
East South Central	397	4,296	341	3,777	256	3,134	301	3,587	70	1,363	Q	Q	24.4
West South Central	712	7,653	596	7,011	456	6,235	551	6,818	119	2,712	26	395	13.9
Mountain	322	4,388	282	4,098	230	3,775	217	3,415	58	1,778	16	Q	21.6
Pacific	529	7,232	451	6,564	399	6,227	359	5,905	126	2,336	31	602	11.3
Principal Building Activity													
Assembly	617	6,909	591	6,680	481	6,155	432	5,354	178	2,965	Q	Q	11.2
Education	282	8,076	277	8,016	214	7,622	211	6,499	98	5,288	12	Q	10.9
Food Sales and Service	343	1,958	317	1,810	331	1,925	300	1,806	271	1,551	Q	Q	11.9
Health Care	80	2,054	75	2,028	73	2,040	77	2,018	18	1,576	Q	92	19.4
Lodging	140	3,476	134	3,293	138	3,462	113	2,964	62	2,131	Q	Q	12.9
Mercantile and Service	1,278	12,365	1,219	12,040	863	10,163	929	10,803	122	4,035	78	853	7.0
Office	679	11,802	663	11,682	609	11,195	655	11,635	47	3,917	23	968	10.1
Warehouse	618	9,253	340	7,296	261	6,427	264	6,111	28	636	55	1,825	14.5
Other	157	3,129	124	2,521	102	2,412	93	2,443	23	637	23	617	17.7
Vacant	333	4,161	137	2,503	111	2,182	110	2,137	17	Q	2	Q	23.1
Building Floorspace (square feet)													
1,001 to 2,000	1,012	1,535	803	1,216	583	886	604	914	135	203	22	30	10.1
2,001 to 5,000	1,517	5,254	1,297	4,543	1,010	3,510	1,048	3,651	277	966	54	193	6.9
5,001 to 10,000	890	6,532	760	5,620	658	4,882	647	4,809	152	1,138	37	265	8.2
10,001 to 25,000	644	10,393	588	9,434	527	8,521	494	8,010	130	2,139	48	806	8.1
25,001 to 50,000	247	8,801	224	7,994	206	7,400	205	7,271	75	2,758	20	710	8.7
50,001 to 100,000	127	9,130	118	8,420	115	8,181	108	7,764	48	3,366	14	1,077	9.6
100,001 to 200,000	61	8,277	58	7,902	56	7,644	50	6,916	28	4,015	5	753	10.7
200,001 to 500,000	23	7,022	22	6,763	22	6,630	22	6,460	15	4,403	Q	Q	20.8
Over 500,000	7	6,239	7	5,977	7	5,932	7	5,976	5	4,680	1	Q	18.3
Year Constructed													
1899 or Before	172	1,654	154	1,536	114	1,254	115	1,223	41	441	Q	Q	21.3
1900 to 1919	242	4,245	204	3,674	165	3,322	137	3,075	43	1,614	Q	Q	21.9
1920 to 1945	680	8,098	585	7,489	465	6,771	441	5,844	127	2,544	31	635	10.6
1946 to 1959	868	10,511	758	9,793	617	9,074	572	8,285	176	4,777	47	1,626	9.6
1960 to 1969	821	12,167	686	11,183	560	10,476	586	10,056	140	4,733	33	786	7.8
1970 to 1979	884	13,329	771	12,373	633	11,304	665	11,616	173	5,213	41	1,085	8.2
1980 to 1989	861	13,180	718	11,821	629	11,383	667	11,671	165	4,346	45	1,078	8.7

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

Notes: • To obtain 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C6.89. End Uses for Electricity Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1989

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.)	
	1.0	1.0	0.9	1.0	0.7	0.8	1.4	1.5	
RSE Column Factors:	1.0	1.0	0.9	1.0	0.7	0.8	1.4	1.5	
All Buildings	1,283	18,702	1,554	21,493	3,072	47,905	387	10,850	5.5
Census Region									
Northeast	136	2,558	252	4,029	448	9,308	62	2,705	10.8
Midwest	159	2,808	317	4,384	678	12,292	77	2,923	11.1
South	703	8,956	695	9,136	1,394	18,062	162	3,666	10.0
West	284	4,379	290	3,945	551	8,243	87	1,555	11.9
Census Division									
New England	22	629	61	1,091	98	1,773	14	489	19.9
Middle Atlantic	115	1,929	190	2,938	350	7,534	47	2,216	12.2
East North Central	104	1,773	203	2,795	430	8,120	47	1,663	15.4
West North Central	55	1,036	115	1,588	248	4,172	30	1,261	18.2
South Atlantic	295	4,700	313	4,673	558	8,201	72	1,575	13.3
East South Central	174	1,566	169	1,957	297	3,501	38	1,059	21.3
West South Central	235	2,690	213	2,506	540	6,360	52	1,033	17.7
Mountain	106	1,578	110	1,501	208	2,830	31	657	25.4
Pacific	177	2,802	180	2,444	343	5,413	56	898	12.9
Principal Building Activity									
Assembly	187	1,877	219	1,889	418	4,961	74	1,559	13.8
Education	54	1,119	73	1,495	201	5,439	51	2,534	12.2
Food Sales and Service	104	631	102	815	283	1,750	92	557	14.6
Health Care	37	422	42	354	73	1,804	12	1,030	21.7
Lodging	64	1,338	24	549	108	2,722	34	983	16.0
Mercantile and Service	351	4,530	501	5,785	907	10,448	58	1,537	9.0
Office	283	4,545	331	5,522	632	10,595	30	1,690	11.2
Warehouse	112	2,499	152	3,172	257	5,845	Q	493	18.8
Other	41	1,020	57	1,095	87	2,229	9	347	23.2
Vacant	49	721	54	819	106	2,112	6	Q	25.8
Building Floorspace (square feet)									
1,001 to 2,000	251	372	317	479	593	898	62	96	10.7
2,001 to 5,000	415	1,443	519	1,792	1,016	3,544	130	436	8.7
5,001 to 10,000	228	1,698	314	2,352	619	4,617	56	423	9.7
10,001 to 25,000	239	3,817	254	4,041	477	7,739	62	1,072	9.0
25,001 to 50,000	85	3,013	82	2,946	195	6,914	33	1,210	11.6
50,001 to 100,000	39	2,766	40	2,904	101	7,214	23	1,717	11.5
100,001 to 200,000	17	2,341	17	2,358	46	6,297	12	1,694	13.1
200,001 to 500,000	6	1,781	9	2,598	20	5,883	8	2,223	20.0
Over 500,000	2	1,470	2	2,023	6	4,800	2	1,978	22.5
Year Constructed									
1899 or Before	41	379	46	427	108	1,188	17	139	25.4
1900 to 1919	45	601	68	812	134	3,011	17	410	24.5
1920 to 1945	117	1,323	197	2,112	425	5,403	45	1,225	13.9
1946 to 1959	179	2,106	245	2,771	557	7,370	74	2,325	11.4
1960 to 1969	218	3,292	243	3,408	567	9,032	65	2,274	9.1
1970 to 1979	333	5,014	367	5,661	641	10,746	88	2,753	9.0
1980 to 1989	350	5,986	388	6,302	639	11,155	81	1,724	9.1

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

Notes: • To obtain 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C7.89. End Uses for Natural Gas Energy Sources in Commercial Buildings, Number of Buildings and Total Floorspace, 1989

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	2.0	1.9	0.9	1.0	
RSE Column Factors:	0.7	0.7	0.7	0.8	2.0	1.9	0.9	1.0	
All Buildings	2,158	33,017	1,391	25,923	97	1,976	462	14,766	6.5
Census Region									
Northeast	300	5,970	229	5,414	29	517	95	3,426	13.6
Midwest	705	11,709	441	8,834	28	673	115	4,587	12.1
South	690	9,098	408	6,468	21	445	149	3,845	12.5
West	462	6,241	313	5,206	18	340	103	2,909	13.7
Census Division									
New England	43	804	31	863	7	115	16	597	26.8
Middle Atlantic	257	5,166	198	4,551	22	401	79	2,829	15.7
East North Central	480	8,039	307	6,481	21	538	83	3,353	15.6
West North Central	226	3,670	134	2,354	7	135	33	1,234	20.9
South Atlantic	154	2,982	91	2,270	12	274	39	1,605	20.2
East South Central	146	1,837	80	975	Q	59	30	367	24.8
West South Central	390	4,279	237	3,223	Q	Q	80	1,873	16.8
Mountain	184	2,218	114	1,687	9	103	35	1,302	20.6
Pacific	279	4,023	199	3,520	9	237	68	1,606	17.8
Principal Building Activity									
Assembly	311	3,837	206	3,164	10	236	79	1,319	14.8
Education	182	5,082	127	4,963	3	348	54	3,390	15.4
Food Sales and Service	186	1,078	196	886	18	Q	191	978	14.4
Health Care	36	1,337	25	980	Q	100	7	867	24.2
Lodging	66	1,610	90	2,011	5	Q	34	1,588	20.3
Mercantile and Service	687	7,427	325	4,553	23	339	54	2,954	12.1
Office	356	4,990	239	4,110	22	283	18	2,384	12.8
Warehouse	195	4,540	101	3,056	6	282	Q	Q	17.3
Other	65	1,398	37	918	Q	116	10	293	27.5
Vacant	76	1,720	46	1,282	Q	Q	10	Q	38.0
Building Floorspace (square feet)									
1,001 to 2,000	397	612	216	332	11	19	73	107	15.5
2,001 to 5,000	715	2,499	424	1,482	32	102	136	474	11.2
5,001 to 10,000	485	3,601	309	2,289	21	156	88	672	11.5
10,001 to 25,000	303	4,886	228	3,737	17	248	62	990	11.8
25,001 to 50,000	134	4,820	105	3,727	7	254	41	1,517	11.5
50,001 to 100,000	75	5,302	62	4,313	6	457	31	2,086	12.3
100,001 to 200,000	32	4,406	33	4,334	2	259	19	2,663	17.6
200,001 to 500,000	14	4,303	12	3,723	1	321	9	2,848	25.1
Over 500,000	3	2,588	3	1,987	*	159	4	3,408	23.8
Year Constructed									
1899 or Before	88	889	50	516	Q	Q	25	301	26.8
1900 to 1919	141	2,602	80	2,161	3	Q	25	Q	26.3
1920 to 1945	345	4,314	219	3,670	17	228	73	1,595	16.5
1946 to 1959	473	5,984	327	5,116	9	243	95	2,762	13.5
1960 to 1969	409	7,092	274	5,798	16	663	71	2,923	11.7
1970 to 1979	364	6,563	227	4,488	17	348	92	2,973	13.8
1980 to 1989	338	5,573	213	4,174	30	420	81	3,006	12.3

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C8.89. End Uses for Fuel Oil and District Heat Energy Sources in Commercial Buildings, Number of Building and Total Floorspace, 1989

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	0.6	1.2	1.1	1.1	1.1	1.1	1.2	
RSE Column Factors:	0.7	0.6	1.2	1.1	1.1	1.1	1.1	1.2	
All Buildings	555	10,526	126	2,284	94	6,065	48	4,686	14.7
Census Region									
Northeast	298	4,772	105	1,747	28	2,202	17	1,774	22.8
Midwest	86	2,746	7	185	13	1,137	9	1,229	25.2
South	150	2,314	12	273	30	1,533	12	834	26.9
West	22	694	Q	Q	23	1,192	10	Q	31.5
Census Division									
New England	103	1,838	47	715	7	362	5	306	29.6
Middle Atlantic	195	2,934	57	1,032	21	1,840	12	1,468	29.6
East North Central	55	1,626	Q	Q	8	761	5	646	27.0
West North Central	31	1,120	Q	Q	5	376	5	583	35.2
South Atlantic	119	1,754	12	247	4	153	2	122	26.7
East South Central	25	319	Q	Q	Q	Q	Q	Q	41.3
West South Central	Q	Q	*	*	15	751	5	602	36.1
Mountain	9	219	*	*	11	Q	6	Q	38.9
Pacific	13	476	Q	Q	11	460	4	184	33.5
Principal Building Activity									
Assembly	98	1,022	20	356	15	815	6	645	31.2
Education	36	2,152	10	663	15	1,030	7	989	24.3
Food Sales and Service	36	350	10	Q	Q	Q	Q	Q	49.8
Health Care	12	1,198	Q	134	3	376	3	598	33.7
Lodging	11	404	8	170	12	668	10	625	31.7
Mercantile and Service	216	1,444	37	269	2	113	1	103	24.4
Office	58	1,819	23	328	23	2,292	10	1,371	23.3
Warehouse	48	1,342	5	107	7	189	Q	Q	33.5
Other	28	484	8	189	9	406	4	217	37.4
Vacant	14	310	Q	Q	Q	131	Q	Q	39.3
Building Floorspace (square feet)									
1,001 to 2,000	117	179	23	36	Q	Q	Q	Q	30.8
2,001 to 5,000	180	623	39	136	7	29	Q	Q	26.5
5,001 to 10,000	95	682	17	125	15	112	Q	Q	34.5
10,001 to 25,000	89	1,380	27	409	29	506	13	236	23.2
25,001 to 50,000	33	1,216	12	456	13	481	8	283	23.7
50,001 to 100,000	21	1,450	5	317	10	748	8	598	22.3
100,001 to 200,000	14	1,816	2	384	8	1,123	6	945	28.9
200,001 to 500,000	4	1,290	1	273	5	1,234	2	640	31.4
Over 500,000	3	1,891	*	148	2	1,825	2	1,924	28.3
Year Constructed									
1899 or Before	31	406	11	137	Q	163	Q	Q	41.4
1900 to 1919	33	794	11	225	8	250	3	170	37.0
1920 to 1945	137	2,398	33	340	21	1,017	7	817	23.1
1946 to 1959	136	1,868	27	514	16	1,495	11	Q	26.4
1960 to 1969	88	2,051	23	532	21	1,091	10	975	22.7
1970 to 1979	85	1,640	15	324	11	1,201	9	1,056	24.1
1980 to 1989	45	1,368	7	212	14	847	Q	Q	35.4

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C9.89p. Total and Average Primary Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1989

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	1989 Dollars		1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
RSE Column Factors:	1.0	1.4	1.4	1.4	1.1	1.1	1.1	0.5	0.5	
All Buildings	63,184	11,401	65,217	70,826	180.44	1.03	1.12	5.72	6.21	4.0
Census Region										
Northeast	13,569	2,540	16,119	17,505	187.18	1.19	1.29	6.35	6.89	8.8
Midwest	15,955	2,892	15,164	16,468	181.25	0.95	1.03	5.24	5.69	6.4
South	22,039	3,621	20,036	21,759	164.31	0.91	0.99	5.53	6.01	7.1
West	11,620	2,348	13,898	15,093	202.04	1.20	1.30	5.92	6.43	7.9
Census Division										
New England	3,173	531	3,365	3,654	167.47	1.06	1.15	6.33	6.88	10.1
Middle Atlantic	10,395	2,008	12,755	13,852	193.20	1.23	1.33	6.35	6.90	10.8
East North Central	10,681	1,894	10,211	11,089	177.36	0.96	1.04	5.39	5.85	8.0
West North Central	5,275	998	4,953	5,379	189.13	0.94	1.02	4.97	5.39	10.3
South Atlantic	10,090	1,523	9,270	10,067	150.96	0.92	1.00	6.09	6.61	12.1
East South Central	4,296	808	4,001	4,345	188.18	0.93	1.01	4.95	5.37	11.1
West South Central	7,653	1,290	6,765	7,347	168.52	0.88	0.96	5.25	5.70	7.7
Mountain	4,388	812	4,085	4,436	184.96	0.93	1.01	5.03	5.47	15.0
Pacific	7,232	1,536	9,813	10,657	212.40	1.36	1.47	6.39	6.94	9.1
Principal Building Activity										
Assembly	6,909	818	5,512	5,986	118.32	0.80	0.87	6.74	7.32	16.2
Education	8,076	1,143	6,068	6,589	141.51	0.75	0.82	5.31	5.77	7.4
Food Sales and Service	1,958	835	5,014	5,445	426.32	2.56	2.78	6.01	6.52	7.6
Health Care	2,054	761	3,731	4,052	370.31	1.82	1.97	4.91	5.33	11.0
Lodging	3,476	705	3,696	4,014	202.73	1.06	1.15	5.25	5.70	10.0
Mercantile and Service	12,365	2,161	12,456	13,527	174.75	1.01	1.09	5.76	6.26	6.0
Office	11,802	2,811	16,872	18,323	238.20	1.43	1.55	6.00	6.52	5.6
Warehouse	9,253	1,027	5,603	6,085	110.98	0.61	0.66	5.46	5.93	10.2
Other	3,129	964	5,143	5,585	308.14	1.64	1.79	5.33	5.79	17.1
Vacant	4,161	177	1,122	1,218	42.58	0.27	0.29	6.33	6.88	16.1
Building Floorspace (square feet)										
1,001 to 2,000	1,535	415	2,827	3,071	270.38	1.84	2.00	6.81	7.40	6.0
2,001 to 5,000	5,254	936	6,014	6,531	178.07	1.14	1.24	6.43	6.98	4.5
5,001 to 10,000	6,532	1,065	7,247	7,870	163.12	1.11	1.20	6.80	7.39	11.8
10,001 to 25,000	10,393	1,562	9,088	9,869	150.31	0.87	0.95	5.82	6.32	5.7
25,001 to 50,000	8,801	1,426	8,241	8,950	162.07	0.94	1.02	5.78	6.27	7.2
50,001 to 100,000	9,130	1,731	9,323	10,124	189.64	1.02	1.11	5.38	5.85	9.2
100,001 to 200,000	8,277	1,561	8,532	9,265	188.57	1.03	1.12	5.47	5.94	7.9
200,001 to 500,000	7,022	1,438	7,231	7,853	204.82	1.03	1.12	5.03	5.46	13.0
Over 500,000	6,239	1,266	6,716	7,293	202.84	1.08	1.17	5.31	5.76	14.0
Year Constructed										
1899 or Before	1,654	178	1,118	1,214	107.67	0.68	0.73	6.28	6.82	15.0
1900 to 1919	4,245	391	2,255	2,448	92.20	0.53	0.58	5.76	6.26	16.0
1920 to 1945	8,098	1,062	6,476	7,033	131.18	0.80	0.87	6.10	6.62	10.1
1946 to 1959	10,511	1,754	9,516	10,334	166.91	0.91	0.98	5.42	5.89	8.1
1960 to 1969	12,167	2,467	13,714	14,894	202.76	1.13	1.22	5.56	6.04	8.0
1970 to 1979	13,329	2,820	16,397	17,807	211.57	1.23	1.34	5.81	6.31	7.1
1980 to 1989	13,180	2,728	15,741	17,095	206.97	1.19	1.30	5.77	6.27	6.1

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C9.89s. Total and Average Site Consumption and Expenditures for All Major Energy Sources in Commercial Buildings, 1989

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	1989 Dollars		1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
RSE Column Factors:	0.9	1.4	1.3	1.3	1.1	1.0	1.0	0.7	0.7	
All Buildings	63,183	5,788	65,217	70,826	91.61	1.03	1.12	11.27	12.24	4.3
Census Region										
Northeast	13,569	1,354	16,119	17,505	99.82	1.19	1.29	11.90	12.92	9.1
Midwest	15,955	1,659	15,164	16,468	104.01	0.95	1.03	9.14	9.92	7.1
South	22,039	1,648	20,036	21,759	74.79	0.91	0.99	12.15	13.20	7.7
West	11,620	1,126	13,898	15,093	96.88	1.20	1.30	12.34	13.41	8.6
Census Division										
New England	3,173	298	3,365	3,654	93.97	1.06	1.15	11.28	12.25	13.0
Middle Atlantic	10,395	1,056	12,755	13,852	101.61	1.23	1.33	12.08	13.11	11.1
East North Central	10,681	1,086	10,211	11,089	101.69	0.96	1.04	9.40	10.21	8.8
West North Central	5,275	573	4,953	5,379	108.69	0.94	1.02	8.64	9.38	11.6
South Atlantic	10,090	682	9,270	10,067	67.60	0.92	1.00	13.59	14.76	13.1
East South Central	4,296	373	4,001	4,345	86.76	0.93	1.01	10.73	11.66	12.5
West South Central	7,653	593	6,765	7,347	77.56	0.88	0.96	11.40	12.38	8.5
Mountain	4,388	450	4,085	4,436	102.55	0.93	1.01	9.08	9.86	15.8
Pacific	7,232	676	9,813	10,657	93.44	1.36	1.47	14.52	15.77	9.4
Principal Building Activity										
Assembly	6,909	441	5,512	5,986	63.77	0.80	0.87	12.51	13.59	16.7
Education	8,076	704	6,068	6,589	87.18	0.75	0.82	8.62	9.36	8.7
Food Sales and Service	1,958	394	5,014	5,445	201.09	2.56	2.78	12.73	13.83	8.2
Health Care	2,054	449	3,731	4,052	218.67	1.82	1.97	8.31	9.02	12.1
Lodging	3,476	425	3,696	4,014	122.40	1.06	1.15	8.69	9.44	11.3
Mercantile and Service	12,365	1,048	12,456	13,527	84.77	1.01	1.09	11.88	12.90	6.2
Office	11,802	1,230	16,872	18,323	104.18	1.43	1.55	13.72	14.90	5.9
Warehouse	9,253	536	5,603	6,085	57.87	0.61	0.66	10.46	11.36	12.2
Other	3,129	464	5,143	5,585	148.25	1.64	1.79	11.09	12.04	20.0
Vacant	4,161	98	1,122	1,218	23.51	0.27	0.29	11.47	12.45	20.7
Building Floorspace (square feet)										
1,001 to 2,000	1,535	210	2,827	3,071	136.94	1.84	2.00	13.45	14.61	7.0
2,001 to 5,000	5,254	482	6,014	6,531	91.65	1.14	1.24	12.49	13.56	5.0
5,001 to 10,000	6,532	567	7,247	7,870	86.83	1.11	1.20	12.78	13.88	12.4
10,001 to 25,000	10,393	791	9,088	9,869	76.10	0.87	0.95	11.49	12.48	5.7
25,001 to 50,000	8,801	756	8,241	8,950	85.92	0.94	1.02	10.90	11.84	7.9
50,001 to 100,000	9,130	855	9,323	10,124	93.66	1.02	1.11	10.90	11.84	10.7
100,001 to 200,000	8,277	777	8,532	9,265	93.89	1.03	1.12	10.98	11.92	9.5
200,001 to 500,000	7,022	698	7,231	7,853	99.38	1.03	1.12	10.36	11.25	14.7
Over 500,000	6,239	652	6,716	7,293	104.52	1.08	1.17	10.30	11.18	16.5
Year Constructed										
1899 or Before	1,654	128	1,118	1,214	77.20	0.68	0.73	8.75	9.51	16.4
1900 to 1919	4,245	239	2,255	2,448	56.41	0.53	0.58	9.41	10.22	17.4
1920 to 1945	8,098	636	6,476	7,033	78.50	0.80	0.87	10.19	11.06	12.6
1946 to 1959	10,511	988	9,516	10,334	94.00	0.91	0.98	9.63	10.46	9.3
1960 to 1969	12,167	1,275	13,714	14,894	104.80	1.13	1.22	10.76	11.68	8.9
1970 to 1979	13,329	1,342	16,397	17,807	100.68	1.23	1.34	12.22	13.27	7.3
1980 to 1989	13,180	1,180	15,741	17,095	89.55	1.19	1.30	13.34	14.48	6.5

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C10.89p. Total and Average Primary Consumption and Expenditures for Electricity in Commercial Buildings, 1989

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	1989 Dollars		1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
RSE Column Factors:	1.0	1.4	1.4	1.4	1.1	1.1	1.1	0.5	0.5	
All Buildings	61,563	8,386	51,513	55,943	136.21	0.84	0.91	6.14	6.67	4.1
Census Region										
Northeast	13,326	1,771	12,144	13,188	132.89	0.91	0.99	6.86	7.45	9.1
Midwest	15,704	1,841	10,770	11,697	117.26	0.69	0.74	5.85	6.35	6.5
South	21,215	2,948	16,951	18,409	138.94	0.80	0.87	5.75	6.25	7.2
West	11,318	1,826	11,647	12,649	161.31	1.03	1.12	6.38	6.93	7.8
Census Division										
New England	3,127	349	2,451	2,662	111.45	0.78	0.85	7.03	7.64	8.6
Middle Atlantic	10,199	1,422	9,693	10,527	139.47	0.95	1.03	6.81	7.40	11.2
East North Central	10,527	1,208	7,333	7,964	114.71	0.70	0.76	6.07	6.59	8.6
West North Central	5,177	634	3,438	3,733	122.45	0.66	0.72	5.42	5.89	8.8
South Atlantic	9,628	1,257	8,119	8,817	130.52	0.84	0.92	6.46	7.02	12.3
East South Central	4,218	651	3,276	3,558	154.30	0.78	0.84	5.03	5.47	11.4
West South Central	7,369	1,040	5,556	6,034	141.15	0.75	0.82	5.34	5.80	8.8
Mountain	4,172	540	3,079	3,344	129.52	0.74	0.80	5.70	6.19	13.8
Pacific	7,146	1,285	8,568	9,305	179.87	1.20	1.30	6.67	7.24	10.1
Principal Building Activity										
Assembly	6,851	563	4,280	4,648	82.20	0.62	0.68	7.60	8.25	19.6
Education	8,070	655	4,044	4,391	81.22	0.50	0.54	6.17	6.70	6.5
Food Sales and Service	1,958	659	4,155	4,512	336.51	2.12	2.30	6.30	6.85	8.0
Health Care	2,054	465	2,459	2,670	226.56	1.20	1.30	5.28	5.74	8.9
Lodging	3,476	417	2,387	2,593	120.01	0.69	0.75	5.72	6.21	10.0
Mercantile and Service	12,361	1,662	10,235	11,116	134.48	0.83	0.90	6.16	6.69	6.2
Office	11,797	2,363	14,509	15,757	200.33	1.23	1.34	6.14	6.67	5.2
Warehouse	8,850	734	4,453	4,836	82.95	0.50	0.55	6.07	6.59	11.1
Other	3,120	747	4,140	4,496	239.60	1.33	1.44	5.54	6.02	19.8
Vacant	3,027	119	851	924	39.16	0.28	0.31	7.18	7.79	15.5
Building Floorspace (square feet)										
1,001 to 2,000	1,397	306	2,270	2,465	219.06	1.62	1.76	7.42	8.05	6.3
2,001 to 5,000	5,012	678	4,721	5,127	135.36	0.94	1.02	6.96	7.56	4.9
5,001 to 10,000	6,297	745	5,738	6,232	118.23	0.91	0.99	7.71	8.37	14.0
10,001 to 25,000	9,989	1,152	7,191	7,809	115.37	0.72	0.78	6.24	6.78	6.5
25,001 to 50,000	8,671	1,001	6,371	6,919	115.49	0.73	0.80	6.36	6.91	7.6
50,001 to 100,000	8,918	1,309	7,405	8,042	146.83	0.83	0.90	5.66	6.14	9.8
100,001 to 200,000	8,222	1,171	6,823	7,410	142.41	0.83	0.90	5.83	6.33	8.2
200,001 to 500,000	6,996	1,106	5,825	6,326	158.12	0.83	0.90	5.27	5.72	12.6
Over 500,000	6,062	917	5,168	5,613	151.20	0.85	0.93	5.64	6.12	13.2
Year Constructed										
1899 or Before	1,568	75	555	603	48.03	0.35	0.38	7.37	8.01	11.9
1900 to 1919	3,849	227	1,543	1,676	58.97	0.40	0.44	6.80	7.38	15.6
1920 to 1945	7,880	637	4,394	4,772	80.88	0.56	0.61	6.90	7.49	9.5
1946 to 1959	10,185	1,145	6,752	7,333	112.41	0.66	0.72	5.90	6.40	8.8
1960 to 1969	11,921	1,781	10,743	11,667	149.38	0.90	0.98	6.03	6.55	8.9
1970 to 1979	13,172	2,208	13,642	14,815	167.66	1.04	1.12	6.18	6.71	7.6
1980 to 1989	12,987	2,312	13,883	15,077	178.02	1.07	1.16	6.00	6.52	6.0

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.
 • 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C10.89s. Total and Average Site Consumption and Expenditures for Electricity in Commercial Buildings, 1989

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	1989 Dollars		1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
RSE Column Factors:	1.0	1.4	1.4	1.4	1.1	1.1	1.1	0.5	0.5	
All Buildings	61,563	2,773	51,513	55,943	45.04	0.84	0.91	18.58	20.17	4.1
Census Region										
Northeast	13,326	586	12,144	13,188	43.95	0.91	0.99	20.74	22.52	9.1
Midwest	15,704	609	10,770	11,697	38.78	0.69	0.74	17.69	19.21	6.5
South	21,215	975	16,951	18,409	45.95	0.80	0.87	17.39	18.89	7.2
West	11,318	604	11,647	12,649	53.34	1.03	1.12	19.29	20.95	7.8
Census Division										
New England	3,127	115	2,451	2,662	36.85	0.78	0.85	21.27	23.10	8.6
Middle Atlantic	10,199	470	9,693	10,527	46.12	0.95	1.03	20.61	22.38	11.2
East North Central	10,527	399	7,333	7,964	37.93	0.70	0.76	18.36	19.94	8.6
West North Central	5,177	210	3,438	3,733	40.49	0.66	0.72	16.40	17.81	8.8
South Atlantic	9,628	416	8,119	8,817	43.16	0.84	0.92	19.54	21.22	12.3
East South Central	4,218	215	3,276	3,558	51.03	0.78	0.84	15.22	16.53	11.4
West South Central	7,369	344	5,556	6,034	46.68	0.75	0.82	16.15	17.54	8.8
Mountain	4,172	179	3,079	3,344	42.83	0.74	0.80	17.23	18.71	13.8
Pacific	7,146	425	8,568	9,305	59.48	1.20	1.30	20.16	21.89	10.1
Principal Building Activity										
Assembly	6,851	186	4,280	4,648	27.18	0.62	0.68	22.98	24.96	19.6
Education	8,070	217	4,044	4,391	26.86	0.50	0.54	18.65	20.26	6.5
Food Sales and Service	1,958	218	4,155	4,512	111.28	2.12	2.30	19.06	20.70	8.0
Health Care	2,054	154	2,459	2,670	74.92	1.20	1.30	15.98	17.35	8.9
Lodging	3,476	138	2,387	2,593	39.69	0.69	0.75	17.31	18.79	10.0
Mercantile and Service	12,361	550	10,235	11,116	44.47	0.83	0.90	18.62	20.22	6.2
Office	11,796	781	14,509	15,757	66.25	1.23	1.34	18.57	20.16	5.2
Warehouse	8,850	243	4,453	4,836	27.43	0.50	0.55	18.34	19.92	11.1
Other	3,120	247	4,140	4,496	79.23	1.33	1.44	16.75	18.19	19.8
Vacant	3,027	39	851	924	12.95	0.28	0.31	21.70	23.57	15.5
Building Floorspace (square feet)										
1,001 to 2,000	1,397	101	2,270	2,465	72.44	1.62	1.76	22.43	24.35	6.3
2,001 to 5,000	5,012	224	4,721	5,127	44.76	0.94	1.02	21.04	22.85	4.9
5,001 to 10,000	6,297	246	5,738	6,232	39.10	0.91	0.99	23.31	25.31	14.0
10,001 to 25,000	9,989	381	7,191	7,809	38.15	0.72	0.78	18.87	20.49	6.5
25,001 to 50,000	8,671	331	6,371	6,919	38.19	0.73	0.80	19.24	20.89	7.6
50,001 to 100,000	8,918	433	7,405	8,042	48.55	0.83	0.90	17.10	18.57	9.8
100,001 to 200,000	8,222	387	6,823	7,410	47.09	0.83	0.90	17.62	19.14	8.2
200,001 to 500,000	6,996	366	5,825	6,326	52.29	0.83	0.90	15.92	17.29	12.6
Over 500,000	6,062	303	5,168	5,613	50.00	0.85	0.93	17.05	18.52	13.2
Year Constructed										
1899 or Before	1,568	25	555	603	15.88	0.35	0.38	22.29	24.21	11.9
1900 to 1919	3,849	75	1,543	1,676	19.50	0.40	0.44	20.56	22.33	15.6
1920 to 1945	7,880	211	4,394	4,772	26.74	0.56	0.61	20.85	22.65	9.5
1946 to 1959	10,185	379	6,752	7,333	37.17	0.66	0.72	17.83	19.37	8.8
1960 to 1969	11,921	589	10,743	11,667	49.40	0.90	0.98	18.24	19.81	8.9
1970 to 1979	13,172	730	13,642	14,815	55.44	1.04	1.12	18.68	20.29	7.6
1980 to 1989	12,987	765	13,883	15,077	58.87	1.07	1.16	18.16	19.72	6.0

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C11.89. Total and Average Consumption and Expenditures for Natural Gas in Commercial Buildings, 1989

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	1989 Dollars		1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
RSE Column Factors:	1.1	1.6	1.4	1.4	1.2	1.1	1.1	0.4	0.4	
All Buildings	41,143	2,073	8,475	9,204	50.39	0.21	0.22	4.09	4.44	4.7
Census Region										
Northeast	8,517	353	1,663	1,807	41.46	0.20	0.21	4.71	5.12	11.1
Midwest	12,815	831	3,113	3,381	64.84	0.24	0.26	3.75	4.07	7.2
South	11,660	498	2,111	2,293	42.68	0.18	0.20	4.24	4.61	10.2
West	8,151	391	1,587	1,724	48.01	0.19	0.21	4.06	4.40	7.9
Census Division										
New England	1,236	39	208	226	31.85	0.17	0.18	5.29	5.75	14.7
Middle Atlantic	7,281	314	1,455	1,580	43.09	0.20	0.22	4.64	5.04	12.5
East North Central	8,797	561	2,197	2,386	63.77	0.25	0.27	3.92	4.25	9.4
West North Central	4,018	270	916	995	67.19	0.23	0.25	3.39	3.69	12.4
South Atlantic	4,235	198	823	894	46.71	0.19	0.21	4.16	4.52	16.5
East South Central	2,034	126	509	553	61.81	0.25	0.27	4.05	4.40	20.5
West South Central	5,391	174	779	846	32.30	0.14	0.16	4.47	4.86	13.1
Mountain	3,121	197	629	683	63.01	0.20	0.22	3.20	3.47	11.3
Pacific	5,030	195	958	1,040	38.70	0.19	0.21	4.92	5.34	8.9
Principal Building Activity										
Assembly	4,304	174	745	809	40.37	0.17	0.19	4.29	4.66	8.2
Education	6,640	323	1,205	1,309	48.72	0.18	0.20	3.73	4.05	9.8
Food Sales and Service	1,366	155	747	812	113.62	0.55	0.59	4.82	5.23	7.2
Health Care	1,602	186	655	712	116.34	0.41	0.44	3.52	3.82	11.3
Lodging	2,541	187	753	818	73.73	0.30	0.32	4.02	4.37	11.2
Mercantile and Service	8,790	417	1,778	1,931	47.40	0.20	0.22	4.27	4.63	7.9
Office	7,220	238	1,039	1,128	32.97	0.14	0.16	4.36	4.74	7.5
Warehouse	5,135	206	785	853	40.20	0.15	0.17	3.80	4.13	16.2
Other	1,654	137	548	596	82.74	0.33	0.36	4.01	4.35	13.1
Vacant	1,891	49	218	237	25.89	0.12	0.13	4.46	4.85	24.5
Building Floorspace (square feet)										
1,001 to 2,000	671	89	448	486	133.25	0.67	0.73	5.01	5.44	8.3
2,001 to 5,000	2,752	213	1,044	1,134	77.38	0.38	0.41	4.90	5.32	5.1
5,001 to 10,000	3,955	265	1,201	1,304	67.09	0.30	0.33	4.53	4.91	8.4
10,001 to 25,000	5,752	278	1,241	1,348	48.31	0.22	0.23	4.47	4.85	5.8
25,001 to 50,000	5,451	309	1,214	1,318	56.69	0.22	0.24	3.93	4.26	8.7
50,001 to 100,000	6,207	249	1,008	1,094	40.06	0.16	0.18	4.05	4.40	9.1
100,001 to 200,000	6,018	238	935	1,016	39.57	0.16	0.17	3.93	4.27	12.0
200,001 to 500,000	5,054	228	769	836	45.17	0.15	0.17	3.37	3.66	18.4
Over 500,000	5,284	203	615	668	38.50	0.12	0.13	3.03	3.29	21.2
Year Constructed										
1899 or Before	1,004	53	249	270	52.31	0.25	0.27	4.73	5.14	18.9
1900 to 1919	3,068	123	486	527	40.22	0.16	0.17	3.94	4.27	20.6
1920 to 1945	5,741	244	1,045	1,135	42.46	0.18	0.20	4.29	4.66	11.1
1946 to 1959	7,238	411	1,666	1,809	56.77	0.23	0.25	4.05	4.40	9.9
1960 to 1969	8,467	458	1,819	1,975	54.05	0.21	0.23	3.97	4.32	7.9
1970 to 1979	8,103	441	1,785	1,939	54.41	0.22	0.24	4.05	4.40	9.1
1980 to 1989	7,522	344	1,427	1,549	45.73	0.19	0.21	4.15	4.50	7.7

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 C12.89. Total and Average Consumption and Expenditures for Fuel Oil in Commercial Buildings, 1989

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	1989 Dollars		1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
RSE Column Factors:	1.2	1.5	1.4	1.4	1.4	1.3	1.3	0.4	0.4	
All Buildings	12,600	357	1,678	1,822	28.32	0.13	0.14	4.70	5.11	9.0
Census Region										
Northeast	5,127	237	1,128	1,225	46.14	0.22	0.24	4.77	5.18	11.1
Midwest	3,197	61	285	310	18.99	0.09	0.10	4.70	5.10	16.5
South	2,844	50	222	241	17.65	0.08	0.08	4.43	4.81	21.6
West	1,432	9	Q	Q	Q	Q	Q	4.58	4.97	19.5
Census Division										
New England	1,892	92	435	473	48.54	0.23	0.25	4.74	5.15	10.4
Middle Atlantic	3,235	145	692	752	44.74	0.21	0.23	4.78	5.19	17.9
East North Central	1,948	38	178	194	19.48	0.09	0.10	4.70	5.11	21.0
West North Central	1,249	23	107	116	18.23	0.09	0.09	4.68	5.09	25.7
South Atlantic	2,037	42	187	203	20.85	0.09	0.10	4.41	4.79	23.9
East South Central	341	Q	Q	Q	16.53	Q	Q	4.63	5.03	44.2
West South Central	Q	Q	Q	Q	Q	Q	Q	4.18	4.54	88.1
Mountain	Q	Q	Q	Q	Q	Q	Q	4.60	5.00	39.6
Pacific	1,123	Q	Q	Q	Q	Q	Q	4.57	4.97	20.8
Principal Building Activity										
Assembly	1,069	31	165	180	29.38	0.15	0.17	5.27	5.72	11.9
Education	2,209	71	305	331	32.12	0.14	0.15	4.30	4.67	16.1
Food Sales and Service	350	18	94	102	51.65	Q	0.29	5.18	5.63	16.4
Health Care	1,397	17	67	72	12.21	0.05	0.05	3.91	4.24	22.7
Lodging	573	10	48	52	17.44	0.08	0.09	4.78	5.19	25.1
Mercantile and Service	1,616	75	396	430	46.72	0.25	0.27	5.25	5.70	13.0
Office	2,909	43	213	232	14.84	0.07	0.08	4.94	5.37	16.9
Warehouse	1,429	53	216	234	37.30	0.15	0.16	4.05	4.39	27.1
Other	737	30	142	155	41.25	0.19	0.21	4.68	5.08	28.4
Vacant	310	7	32	35	22.32	0.10	0.11	4.61	5.01	26.7
Building Floorspace (square feet)										
1,001 to 2,000	179	19	107	116	107.17	0.60	0.65	5.55	6.03	13.4
2,001 to 5,000	642	40	216	235	62.29	0.34	0.37	5.41	5.87	13.2
5,001 to 10,000	698	41	213	232	59.17	0.31	0.33	5.16	5.61	20.8
10,001 to 25,000	1,495	69	348	378	45.87	0.23	0.25	5.07	5.51	10.9
25,001 to 50,000	1,319	47	215	233	35.51	0.16	0.18	4.59	4.98	12.2
50,001 to 100,000	1,675	54	231	251	32.51	0.14	0.15	4.24	4.60	32.9
100,001 to 200,000	2,228	46	183	198	20.72	0.08	0.09	3.96	4.30	24.5
200,001 to 500,000	1,798	28	116	126	15.59	0.06	0.07	4.13	4.48	21.3
Over 500,000	2,566	12	50	54	4.79	0.02	0.02	4.04	4.39	24.9
Year Constructed										
1899 or Before	406	17	88	96	42.08	0.22	0.24	5.16	5.60	20.8
1900 to 1919	809	26	127	138	31.85	0.16	0.17	4.95	5.37	20.2
1920 to 1945	2,460	69	347	377	27.94	0.14	0.15	5.04	5.48	13.2
1946 to 1959	2,068	77	372	404	37.32	0.18	0.20	4.82	5.23	14.7
1960 to 1969	2,275	73	321	349	32.01	0.14	0.15	4.41	4.79	25.4
1970 to 1979	2,399	61	265	288	25.45	0.11	0.12	4.35	4.72	19.8
1980 to 1989	2,182	34	157	170	15.67	0.07	0.08	4.59	4.98	19.8

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

Notes: • To obtain 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C13.89. Total and Average Consumption and Expenditures for District Heat in Commercial Buildings, 1989

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:	1.2	1.4	1.3	0.9	0.9	0.6
All Buildings	6,578	585	3,857	88.96	0.59	6.59	16.8
Census Region							
Northeast	2,236	179	1,286	80.14	0.58	7.18	27.9
Midwest	1,509	159	1,081	105.28	0.72	6.81	21.2
South	1,583	126	816	79.42	0.52	6.49	40.4
West	1,250	121	674	97.14	0.54	5.55	25.1
Census Division							
New England	370	Q	293	Q	0.79	5.66	47.9
Middle Atlantic	1,866	127	993	68.27	0.53	7.79	23.7
East North Central	845	88	546	104.05	0.65	6.20	23.5
West North Central	664	71	536	106.85	0.81	7.55	12.4
South Atlantic	169	Q	153	155.39	0.90	5.82	33.7
East South Central	Q	Q	Q	41.51	0.33	7.90	1.0
West South Central	785	73	457	93.52	0.58	6.22	45.0
Mountain	Q	73	Q	99.08	0.54	5.50	18.5
Pacific	517	49	275	94.38	0.53	5.64	34.7
Principal Building Activity							
Assembly	828	49	349	59.47	0.42	7.09	31.0
Education	1,128	93	558	82.29	0.49	6.01	16.5
Food Sales and Service	Q	Q	Q	55.79	Q	7.51	31.2
Health Care	680	92	598	135.12	0.88	6.51	24.3
Lodging	693	90	552	130.21	0.80	6.12	15.7
Mercantile and Service	114	6	51	56.21	0.44	7.90	33.8
Office	2,316	167	1,207	72.07	0.52	7.23	27.7
Warehouse	191	Q	Q	172.51	0.85	4.91	33.2
Other	450	49	339	109.75	0.75	6.86	35.8
Vacant	131	3	23	20.91	0.17	8.21	33.4
Building Floorspace (square feet)							
1,001 to 2,000	Q	Q	Q	63.35	0.51	8.11	0.0
2,001 to 5,000	29	Q	Q	148.98	1.21	8.10	21.8
5,001 to 10,000	112	14	Q	128.08	0.92	7.20	36.9
10,001 to 25,000	540	63	334	117.32	0.62	5.27	37.2
25,001 to 50,000	498	69	479	138.74	0.96	6.93	34.7
50,001 to 100,000	838	119	738	141.95	0.88	6.20	34.2
100,001 to 200,000	1,179	106	641	89.64	0.54	6.07	30.4
200,001 to 500,000	1,264	76	565	59.86	0.45	7.47	20.3
Over 500,000	2,111	133	958	63.17	0.45	7.19	26.3
Year Constructed							
1899 or Before	163	Q	Q	Q	Q	7.40	46.8
1900 to 1919	264	15	107	57.83	0.40	7.00	29.6
1920 to 1945	1,276	112	749	88.09	0.59	6.66	29.5
1946 to 1959	1,579	121	788	76.81	0.50	6.50	19.7
1960 to 1969	1,214	156	903	128.34	0.74	5.80	28.7
1970 to 1979	1,227	110	766	89.39	0.62	6.98	23.1
1980 to 1989	855	38	299	43.95	0.35	7.95	28.5

¹ Current (1989) dollars only.

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C14A.89p. Total Primary 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	0.8	0.6	0.8	0.7	1.0	1.5	1.8	2.1	2.5	
RSE Column Factors:	0.5	0.5	0.8	0.6	0.8	0.7	1.0	1.5	1.8	2.1	2.5	
All Buildings	4,528	4,298	11,401	4,294	8,386	2,420	2,073	581	357	98	585	7.5
Census Region												
Northeast	783	752	2,540	751	1,771	355	353	305	237	29	179	15.4
Midwest	1,046	1,003	2,892	1,001	1,841	734	831	87	61	16	159	12.3
South	1,847	1,724	3,621	1,723	2,948	806	498	156	50	Q	126	13.9
West	851	819	2,348	819	1,826	525	391	33	Q	23	121	13.8
Census Division												
New England	184	177	531	177	349	53	39	104	92	Q	Q	21.9
Middle Atlantic	599	575	2,008	574	1,422	302	314	201	145	21	127	18.3
East North Central	686	657	1,894	656	1,208	499	561	56	38	9	88	16.2
West North Central	360	345	998	345	634	236	270	32	23	7	Q	22.3
South Atlantic	737	692	1,523	692	1,257	187	198	123	42	4	Q	21.6
East South Central	397	381	808	381	651	168	126	Q	Q	Q	Q	30.1
West South Central	712	651	1,290	651	1,040	451	174	Q	Q	15	Q	19.3
Mountain	322	300	812	300	540	204	197	Q	Q	11	Q	28.2
Pacific	529	519	1,536	519	1,285	320	195	23	Q	12	Q	15.4
Principal Building Activity												
Assembly	617	614	818	614	563	345	174	98	31	15	49	15.0
Education	282	282	1,143	282	655	199	323	38	71	16	Q	15.0
Food Sales and Service	343	343	835	343	659	248	155	36	18	Q	Q	15.0
Health Care	80	80	761	80	465	40	186	13	17	4	92	22.8
Lodging	140	140	705	140	417	101	187	15	10	13	Q	17.3
Mercantile and Service	1,278	1,278	2,161	1,276	1,662	732	417	219	75	2	6	11.4
Office	679	679	2,811	679	2,363	394	238	67	43	23	167	11.2
Warehouse	618	544	1,027	543	734	207	206	49	53	Q	Q	17.1
Other	157	156	964	156	747	71	137	32	30	Q	49	25.0
Vacant	333	183	177	182	119	84	49	14	7	Q	Q	23.7
Building Floorspace (square feet)												
1,001 to 2,000	1,012	921	415	919	306	437	89	117	19	6	*	13.0
2,001 to 5,000	1,517	1,442	936	1,441	678	788	213	185	40	Q	Q	9.4
5,001 to 10,000	890	855	1,065	855	745	532	265	97	41	Q	Q	13.3
10,001 to 25,000	644	622	1,562	622	1,152	355	278	95	69	30	63	11.5
25,001 to 50,000	247	243	1,426	243	1,001	153	309	36	47	13	Q	12.0
50,001 to 100,000	127	125	1,731	125	1,309	88	249	23	54	11	119	15.2
100,001 to 200,000	61	60	1,561	60	1,171	45	238	17	46	8	106	16.8
200,001 to 500,000	23	23	1,438	23	1,106	17	228	6	28	5	76	22.0
Over 500,000	7	7	1,266	7	917	6	203	3	12	2	133	23.2
Year Constructed												
1899 or Before	172	162	178	162	75	98	53	31	17	Q	Q	22.9
1900 to 1919	242	223	391	223	227	152	123	35	26	Q	15	18.7
1920 to 1945	680	631	1,062	631	637	396	244	137	69	21	Q	13.2
1946 to 1959	868	823	1,754	823	1,145	512	411	141	77	18	Q	13.2
1960 to 1969	821	777	2,467	775	1,781	454	458	95	73	22	156	14.1
1970 to 1979	884	855	2,820	855	2,208	420	441	90	61	11	110	12.3
1980 to 1989	861	827	2,728	827	2,312	388	344	52	34	Q	Q	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.

• 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 1989 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.

• 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C14B.89p. Total Primary Consumption and Floorspace 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		
	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	0.8	0.7	1.0	1.3	1.7	2.1	
All Buildings	63,184	61,613	11,401	61,563	8,386	41,143	2,073	12,600	357	6,578	585	6.9
Census Region												
Northeast	13,569	13,349	2,540	13,326	1,771	8,517	353	5,127	237	2,236	179	14.4
Midwest	15,955	15,718	2,892	15,704	1,841	12,815	831	3,197	61	1,509	159	12.5
South	22,039	21,228	3,621	21,215	2,948	11,660	498	2,844	50	1,583	126	13.5
West	11,620	11,318	2,348	11,318	1,826	8,151	391	1,432	Q	Q	121	14.0
Census Division												
New England	3,173	3,149	531	3,127	349	1,236	39	1,892	92	Q	Q	16.5
Middle Atlantic	10,395	10,201	2,008	10,199	1,422	7,281	314	3,235	145	1,866	127	17.3
East North Central	10,681	10,529	1,894	10,527	1,208	8,797	561	1,948	38	845	88	16.1
West North Central	5,275	5,188	998	5,177	634	4,018	270	1,249	23	Q	Q	22.2
South Atlantic	10,090	9,641	1,523	9,628	1,257	4,235	198	2,037	42	169	Q	18.7
East South Central	4,296	4,218	808	4,218	651	2,034	126	341	Q	Q	Q	29.9
West South Central	7,653	7,369	1,290	7,369	1,040	5,391	174	Q	Q	785	Q	18.6
Mountain	4,388	4,172	812	4,172	540	3,121	197	Q	Q	Q	Q	29.6
Pacific	7,232	7,146	1,536	7,146	1,285	5,030	195	1,123	Q	517	Q	17.0
Principal Building Activity												
Assembly	6,909	6,851	818	6,851	563	4,304	174	1,069	31	828	49	16.2
Education	8,076	8,076	1,143	8,070	655	6,640	323	2,209	71	Q	Q	14.5
Food Sales and Service	1,958	1,958	835	1,958	659	1,366	155	350	18	Q	Q	17.8
Health Care	2,054	2,054	761	2,054	465	1,602	186	1,397	17	680	92	21.8
Lodging	3,476	3,476	705	3,476	417	2,541	187	573	10	693	Q	17.1
Mercantile and Service	12,365	12,363	2,161	12,361	1,662	8,790	417	1,616	75	114	6	12.5
Office	11,802	11,802	2,811	11,796	2,363	7,220	238	2,909	43	2,316	167	10.4
Warehouse	9,253	8,852	1,027	8,850	734	5,135	206	1,429	53	Q	Q	21.5
Other	3,129	3,120	964	3,120	747	1,654	137	737	30	450	49	25.9
Vacant	4,161	3,061	177	3,027	119	1,891	49	310	7	Q	Q	35.3
Building Floorspace (square feet)												
1,001 to 2,000	1,535	1,399	415	1,397	306	671	89	179	19	7	*	13.0
2,001 to 5,000	5,254	5,014	936	5,012	678	2,752	213	642	40	Q	Q	9.5
5,001 to 10,000	6,532	6,297	1,065	6,297	745	3,955	265	698	41	Q	Q	13.6
10,001 to 25,000	10,393	10,001	1,562	9,989	1,152	5,752	278	1,495	69	540	63	11.6
25,001 to 50,000	8,801	8,671	1,426	8,671	1,001	5,451	309	1,319	47	498	Q	12.3
50,001 to 100,000	9,130	8,939	1,731	8,918	1,309	6,207	249	1,675	54	838	119	15.2
100,001 to 200,000	8,277	8,222	1,561	8,222	1,171	6,018	238	2,228	46	1,179	106	16.6
200,001 to 500,000	7,022	7,002	1,438	6,996	1,106	5,054	228	1,798	28	1,264	76	22.4
Over 500,000	6,239	6,067	1,266	6,062	917	5,284	203	2,566	12	2,111	133	24.5
Year Constructed												
1899 or Before	1,654	1,568	178	1,568	75	1,004	53	406	17	Q	Q	24.4
1900 to 1919	4,245	3,871	391	3,849	227	3,068	123	809	26	264	15	25.7
1920 to 1945	8,098	7,880	1,062	7,880	637	5,741	244	2,460	69	1,276	Q	15.7
1946 to 1959	10,511	10,198	1,754	10,185	1,145	7,238	411	2,068	77	Q	Q	15.2
1960 to 1969	12,167	11,929	2,467	11,921	1,781	8,467	458	2,275	73	1,214	156	13.0
1970 to 1979	13,329	13,177	2,820	13,172	2,208	8,103	441	2,399	61	1,227	110	11.6
1980 to 1989	13,180	12,990	2,728	12,987	2,312	7,522	344	2,182	34	Q	Q	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.

• 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C14B.89s. Total Site Consumption and Floorspace for All End Uses by Energy Source in Commercial Buildings, 1989

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	0.8	0.7	1.0	1.3	1.7	2.1	
All Buildings	63,184	61,613	5,788	61,563	2,773	41,143	2,073	12,600	357	6,578	585	6.9
Census Region												
Northeast	13,569	13,349	1,354	13,326	586	517	353	5,127	237	2,236	179	14.2
Midwest	15,955	15,718	1,659	15,704	609	12,815	831	3,197	61	1,509	159	12.6
South	22,039	21,228	1,648	21,215	975	11,660	498	2,844	50	1,583	126	13.7
West	11,620	11,318	1,126	11,318	604	8,151	391	1,432	9	1,250	121	14.1
Census Division												
New England	3,173	3,149	298	3,127	115	1,236	39	1,892	92	370	Q	16.7
Middle Atlantic	10,395	10,201	1,056	10,199	470	7,281	314	3,235	145	1,866	127	17.1
East North Central	10,681	10,529	1,086	10,527	399	8,797	561	1,948	38	845	88	16.1
West North Central	5,275	5,188	573	5,177	210	4,018	270	1,249	23	664	71	22.9
South Atlantic	10,090	9,641	682	9,628	416	4,235	198	2,037	42	169	Q	19.1
East South Central	4,296	4,218	373	4,218	215	2,034	126	341	6	Q	Q	30.1
West South Central	7,653	7,369	594	7,369	344	5,391	174	466	Q	785	73	18.6
Mountain	4,388	4,172	450	4,172	179	3,121	197	309	Q	Q	73	29.5
Pacific	7,232	7,146	676	7,146	425	5,030	195	1,123	7	517	49	16.8
Principal Building Activity												
Assembly	6,909	6,851	441	6,851	186	4,304	174	1,069	31	828	49	15.9
Education	8,076	8,076	704	8,070	217	6,640	323	2,209	71	1,128	93	14.8
Food Sales and Service	1,958	1,958	394	1,958	218	1,366	155	350	18	Q	Q	17.5
Health Care	2,054	2,054	449	2,054	154	1,602	186	1,397	17	680	92	22.4
Lodging	3,476	3,476	425	3,476	138	2,541	187	573	10	693	90	17.3
Mercantile and Service	12,365	12,363	1,048	12,361	550	8,790	417	1,616	75	114	6	12.5
Office	11,802	11,802	1,230	11,796	781	7,220	238	2,909	43	2,316	167	10.3
Warehouse	9,253	8,852	536	8,850	243	5,135	206	1,429	53	191	Q	21.5
Other	3,129	3,120	464	3,120	247	1,654	137	737	30	450	49	25.5
Vacant	4,161	3,061	98	3,027	39	1,891	49	310	7	131	3	36.5
Building Floorspace (square feet)												
1,001 to 2,000	1,535	1,399	210	1,397	101	671	89	179	19	Q	Q	13.1
2,001 to 5,000	5,254	5,014	482	5,012	224	2,752	213	642	40	29	Q	9.4
5,001 to 10,000	6,532	6,297	567	6,297	246	3,955	265	698	41	112	14	13.5
10,001 to 25,000	10,393	10,001	791	9,989	381	5,752	278	1,495	69	540	63	11.5
25,001 to 50,000	8,801	8,671	756	8,671	331	5,451	309	1,319	47	498	69	12.3
50,001 to 100,000	9,130	8,939	855	8,918	433	6,207	249	1,675	54	838	119	15.1
100,001 to 200,000	8,277	8,222	777	8,222	387	6,018	238	2,228	46	1,179	106	16.7
200,001 to 500,000	7,022	7,002	698	6,996	366	5,054	228	1,798	28	1,264	76	22.6
Over 500,000	6,239	6,067	652	6,062	303	5,284	203	2,566	12	2,111	133	25.0
Year Constructed												
1899 or Before	1,654	1,568	128	1,568	25	1,004	53	406	17	163	Q	24.6
1900 to 1919	4,245	3,871	239	3,849	75	3,068	123	809	26	264	15	25.9
1920 to 1945	8,098	7,880	636	7,880	211	5,741	244	2,460	69	1,276	112	16.1
1946 to 1959	10,511	10,198	988	10,185	379	7,238	411	2,068	77	1,579	121	15.4
1960 to 1969	12,167	11,929	1,275	11,921	589	8,467	458	2,275	73	1,214	156	12.9
1970 to 1979	13,329	13,177	1,342	13,172	730	8,103	441	2,399	61	1,227	110	11.8
1980 to 1989	13,180	12,990	1,180	12,987	765	7,522	344	2,182	34	855	38	12.4

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

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

Table C15.89p. Space Heating Primary Consumption by Energy Source in Commercial Buildings, 1989

Building Characteristics	Energy Sources (trillion Btu)					RSE Row Factors
	All Major Sources	Electricity	Natural Gas	Fuel Oil	District Heat	
	NF	NF	NF	NF	NF	
RSE Column Factors:	NF	NF	NF	NF	NF	
All Buildings	2,210	290	1,265	301	355	
Census Region						
Northeast	614	70	235	198	111	
Midwest	786	79	579	58	70	
South	485	94	263	38	90	
West	325	47	189	6	84	
Census Division						
New England	134	12	19	79	24	
Middle Atlantic	480	59	215	119	87	
East North Central	527	50	398	37	42	
West North Central	259	29	180	21	28	
South Atlantic	190	38	106	32	15	
East South Central	122	33	64	5	21	
West South Central	173	23	94	2	55	
Mountain	170	16	97	2	55	
Pacific	155	31	91	4	29	
Principal Building Activity						
Assembly	266	58	135	29	44	
Education	397	31	237	68	62	
Food Sales and Service	72	5	50	15	2	
Health Care	85	9	45	7	23	
Lodging	160	35	78	6	41	
Mercantile and Service	383	38	275	68	2	
Office	417	81	171	38	127	
Warehouse	237	23	156	39	18	
Other	153	9	86	24	33	
Vacant	41	2	31	7	2	
Building Floorspace (square feet)						
1,001 to 2,000	87	16	53	17	*	
2,001 to 5,000	199	29	130	36	4	
5,001 to 10,000	248	28	174	38	8	
10,001 to 25,000	377	74	200	61	42	
25,001 to 50,000	351	49	207	44	52	
50,001 to 100,000	316	26	186	47	58	
100,001 to 200,000	290	35	153	31	71	
200,001 to 500,000	214	21	110	21	62	
Over 500,000	128	10	53	7	58	
Year Constructed						
1899 or Before	89	3	43	15	28	
1900 to 1919	115	6	74	23	12	
1920 to 1945	309	36	155	62	56	
1946 to 1959	405	15	234	73	83	
1960 to 1969	500	46	309	60	86	
1970 to 1979	462	94	261	40	67	
1980 to 1989	330	89	190	27	24	

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C15.89s. Space Heating Site Consumption by Energy Source in Commercial Buildings, 1989

Building Characteristics	Energy Sources (trillion Btu)					RSE Row Factors
	All Major Sources	Electricity	Natural Gas	Fuel Oil	District Heat	
	NF	NF	NF	NF	NF	
RSE Column Factors:	NF	NF	NF	NF	NF	
All Buildings	2,017	96	1,265	301	355	
Census Region						
Northeast	567	23	235	198	111	
Midwest	733	26	579	58	70	
South	423	31	263	38	90	
West	294	15	189	Q	84	
Census Division						
New England	126	4	19	79	24	
Middle Atlantic	441	19	215	119	87	
East North Central	494	17	398	37	42	
West North Central	240	10	180	21	28	
South Atlantic	164	13	106	32	Q	
East South Central	100	11	64	5	Q	
West South Central	158	8	94	Q	55	
Mountain	159	5	97	Q	55	
Pacific	135	10	91	Q	29	
Principal Building Activity						
Assembly	227	19	135	29	44	
Education	377	10	237	68	62	
Food Sales and Service	69	2	50	15	Q	
Health Care	79	3	45	7	23	
Lodging	137	11	78	6	41	
Mercantile and Service	358	12	275	68	Q	
Office	363	27	171	38	127	
Warehouse	221	8	156	39	18	
Other	147	Q	86	24	33	
Vacant	40	1	31	7	Q	
Building Floorspace (square feet)						
1,001 to 2,000	76	5	53	17	Q	
2,001 to 5,000	180	10	130	36	Q	
5,001 to 10,000	229	9	174	38	Q	
10,001 to 25,000	327	25	200	61	42	
25,001 to 50,000	319	16	207	44	52	
50,001 to 100,000	299	9	186	47	58	
100,001 to 200,000	266	12	153	31	71	
200,001 to 500,000	200	7	110	21	62	
Over 500,000	121	3	53	Q	58	
Year Constructed						
1899 or Before	87	1	43	15	Q	
1900 to 1919	111	2	74	23	12	
1920 to 1945	285	Q	155	62	56	
1946 to 1959	395	5	234	73	83	
1960 to 1969	469	15	309	60	86	
1970 to 1979	399	31	261	40	67	
1980 to 1989	270	29	190	27	24	

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C16.89p. Total Primary Consumption by End Use in Commercial Buildings, 1989

Building Characteristics	End Uses (trillion Btu)										RSE Row Factors
	All End Uses	Space Heating	Water Heating	Cooling	Ventila- tion	Lighting	Cooking	Refrig- eration	Office Equip- ment	Other	
	RSE Column Factors:	1.0	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings	11,401	2,210	548	873	841	3,093	383	566	1,147	1,740	5.8
Census Region											
Northeast	2,540	614	122	112	171	687	69	106	278	379	12.5
Midwest	2,892	786	178	160	177	727	98	146	238	382	9.8
South	3,621	485	138	409	283	1,032	103	198	370	605	9.5
West	2,348	325	111	192	209	647	114	115	261	374	12.3
Census Division											
New England	531	134	37	23	38	138	17	23	49	73	17.3
Middle Atlantic	2,008	480	85	89	133	549	52	84	230	306	15.2
East North Central	1,894	527	114	86	111	485	66	104	163	239	12.3
West North Central	998	259	64	74	66	242	32	42	75	143	17.0
South Atlantic	1,523	190	47	185	130	444	35	76	166	251	13.1
East South Central	808	122	37	61	52	215	27	46	91	157	21.0
West South Central	1,290	173	54	163	100	373	41	77	113	197	14.5
Mountain	812	170	40	68	73	199	69	36	74	84	29.0
Pacific	1,536	155	72	124	137	448	45	79	187	290	15.4
Principal Building Activity											
Assembly	818	266	23	76	76	190	20	34	18	114	15.0
Education	1,143	397	44	61	73	345	54	31	32	105	13.9
Food Sales and Service	835	72	60	106	63	137	134	184	8	71	10.5
Health Care	761	85	128	96	63	205	55	19	16	94	18.5
Lodging	705	160	135	51	61	142	60	48	4	43	11.6
Mercantile and Service	2,161	383	64	156	79	607	32	38	347	456	10.5
Office	2,811	417	55	254	403	824	14	105	498	242	5.5
Warehouse	1,027	237	8	18	10	310	4	73	174	193	17.8
Other	964	153	24	48	10	292	10	29	44	355	30.8
Vacant	177	41	7	8	1	40	1	7	6	66	21.6
Building Floorspace (square feet)											
1,001 to 2,000	415	87	32	40	30	83	25	29	52	37	8.9
2,001 to 5,000	936	199	61	92	57	208	55	72	105	86	6.7
5,001 to 10,000	1,065	248	59	100	63	251	28	49	123	144	10.6
10,001 to 25,000	1,562	377	64	119	80	376	37	90	220	198	9.2
25,001 to 50,000	1,426	351	47	103	78	384	35	82	139	207	10.2
50,001 to 100,000	1,731	316	75	109	120	488	38	93	134	359	15.2
100,001 to 200,000	1,561	290	69	107	131	464	48	58	141	253	12.7
200,001 to 500,000	1,438	214	60	107	151	457	31	46	119	253	19.2
Over 500,000	1,266	128	80	97	131	381	87	46	113	202	21.5
Year Constructed											
1899 or Before	178	89	13	5	8	26	6	8	9	14	17.4
1900 to 1919	391	115	17	15	20	87	11	12	29	87	17.4
1920 to 1945	1,062	309	67	74	88	231	39	41	71	141	14.3
1946 to 1959	1,754	405	95	117	128	477	80	62	161	227	13.9
1960 to 1969	2,467	500	125	187	166	661	59	98	217	456	12.5
1970 to 1979	2,820	462	135	252	213	834	103	155	281	383	7.9
1980 to 1989	2,728	330	95	223	218	777	85	189	379	431	9.9

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C16.89s. Total Site Consumption by End Use in Commercial Buildings, 1989

Building Characteristics	End Uses (trillion Btu)										RSE Row Factors
	All End Uses	Space Heating	Water Heating	Cooling	Ventila- tion	Lighting	Cooking	Refrig- eration	Office Equip- ment	Other	
	RSE Column Factors:	1.0	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings	5,788	2,017	499	303	278	1,023	271	187	379	832	6.1
Census Region											
Northeast	1,354	567	115	42	57	227	47	35	92	172	11.1
Midwest	1,659	733	166	56	59	241	69	48	79	209	11.1
South	1,648	423	113	136	93	341	63	65	122	291	11.1
West	1,126	294	104	69	69	214	Q	38	86	159	12.9
Census Division											
New England	298	126	36	8	13	46	11	8	16	36	19.8
Middle Atlantic	1,056	441	80	34	44	182	36	28	76	137	13.3
East North Central	1,086	494	106	30	37	160	47	34	54	125	12.7
West North Central	573	240	60	26	22	80	22	14	25	84	22.1
South Atlantic	682	164	36	61	43	147	21	25	55	130	16.4
East South Central	373	100	30	20	17	71	15	15	30	73	22.2
West South Central	594	158	48	54	33	123	26	25	37	88	15.1
Mountain	450	159	37	28	24	66	Q	12	24	38	28.6
Pacific	676	135	67	41	45	148	30	26	62	121	14.4
Principal Building Activity											
Assembly	441	227	20	25	25	63	18	11	6	44	12.6
Education	704	377	40	26	24	114	Q	10	10	49	17.1
Food Sales and Service	394	69	52	35	21	45	80	61	3	29	9.2
Health Care	449	79	123	33	21	68	45	6	5	69	25.0
Lodging	425	137	125	17	20	47	32	16	1	31	13.2
Mercantile and Service	1,048	358	56	53	26	201	23	12	115	204	10.2
Office	1,230	363	47	89	133	272	8	35	165	117	5.0
Warehouse	536	221	6	6	3	102	1	24	57	114	18.2
Other	464	147	23	16	3	96	Q	10	15	145	26.2
Vacant	98	40	Q	3	*	13	1	2	2	30	29.2
Building Floorspace (square feet)											
1,001 to 2,000	210	76	26	13	10	28	15	10	17	16	9.2
2,001 to 5,000	482	180	50	31	19	69	35	24	35	41	6.6
5,001 to 10,000	567	229	53	33	21	83	17	16	41	75	9.9
10,001 to 25,000	791	327	57	40	27	124	20	30	73	93	8.2
25,001 to 50,000	756	319	43	34	26	127	22	27	46	113	10.1
50,001 to 100,000	855	299	70	37	40	161	24	31	44	149	13.8
100,001 to 200,000	777	266	65	36	43	153	37	19	47	109	13.6
200,001 to 500,000	698	200	57	36	50	151	22	15	39	128	20.9
Over 500,000	652	121	78	43	43	126	Q	15	37	109	27.2
Year Constructed											
1899 or Before	128	87	12	2	3	8	4	3	3	7	19.5
1900 to 1919	239	111	16	5	7	29	9	4	10	Q	19.0
1920 to 1945	636	285	64	26	29	76	28	14	23	89	19.0
1946 to 1959	988	395	91	46	42	158	Q	21	53	114	15.5
1960 to 1969	1,275	469	115	65	55	219	38	32	72	210	11.4
1970 to 1979	1,342	399	117	85	70	276	71	51	93	179	8.9
1980 to 1989	1,180	270	85	75	72	257	52	63	125	182	9.5

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C17.89p. Primary Electricity Consumption by End Use in Commercial Buildings, 1989

Building Characteristics	End Uses (trillion Btu)										RSE Row Factors
	All End Uses	Space Heating	Water Heating	Cooling	Ventila- tion	Lighting	Cooking	Refrig- eration	Office Equip- ment	Other	
	RSE Column Factors:	1.0	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings	8,386	290	73	852	841	3,093	169	566	1,147	1,356	5.9
Census Region											
Northeast	1,771	70	9	105	171	687	33	106	278	309	14.0
Midwest	1,841	79	17	155	177	727	43	146	238	258	9.1
South	2,948	94	36	408	283	1,032	60	198	370	468	8.7
West	1,826	47	11	183	209	647	33	115	261	321	12.0
Census Division											
New England	349	12	2	22	38	138	9	23	49	56	14.8
Middle Atlantic	1,422	59	7	83	133	549	25	84	230	253	16.9
East North Central	1,208	50	12	84	111	485	28	104	163	171	11.9
West North Central	634	29	5	71	66	242	15	42	75	88	15.1
South Atlantic	1,257	38	17	185	130	444	20	76	166	181	11.7
East South Central	651	33	10	61	52	215	18	46	91	125	19.5
West South Central	1,040	23	9	162	100	373	21	77	113	163	15.1
Mountain	540	16	4	59	73	199	11	36	74	69	29.7
Pacific	1,285	31	7	124	137	448	22	79	187	252	16.2
Principal Building Activity											
Assembly	563	58	4	76	76	190	2	34	18	105	17.8
Education	655	31	5	53	73	345	2	31	32	84	9.3
Food Sales and Service	659	5	12	106	63	137	80	184	8	64	12.3
Health Care	465	9	7	94	63	205	14	19	16	37	13.9
Lodging	417	35	16	51	61	142	42	48	4	19	11.6
Mercantile and Service	1,662	38	12	154	79	607	13	38	347	376	10.8
Office	2,363	81	11	246	403	824	9	105	498	187	6.4
Warehouse	734	23	3	18	10	310	4	73	174	119	18.9
Other	747	9	2	48	10	292	2	29	44	313	35.9
Vacant	119	2	1	8	1	40	*	7	6	53	19.7
Building Floorspace (square feet)											
1,001 to 2,000	306	16	9	40	30	83	14	29	52	32	9.5
2,001 to 5,000	678	29	17	92	57	208	30	72	105	67	7.2
5,001 to 10,000	745	28	9	99	63	251	17	49	123	104	12.3
10,001 to 25,000	1,152	74	11	118	80	376	24	90	220	157	10.3
25,001 to 50,000	1,001	49	7	103	78	384	19	82	139	140	10.9
50,001 to 100,000	1,309	26	6	108	120	488	20	93	134	315	16.2
100,001 to 200,000	1,171	35	6	105	131	464	16	58	141	214	12.8
200,001 to 500,000	1,106	21	5	106	151	457	14	46	119	187	18.0
Over 500,000	917	10	2	80	131	381	13	46	113	139	17.6
Year Constructed											
1899 or Before	75	3	2	5	8	26	3	8	9	11	17.0
1900 to 1919	227	6	2	14	20	87	3	12	29	54	16.6
1920 to 1945	637	36	4	72	88	231	16	41	71	77	12.3
1946 to 1959	1,145	15	7	107	128	477	17	62	161	170	13.1
1960 to 1969	1,781	46	14	182	166	661	30	98	217	367	15.0
1970 to 1979	2,208	94	27	250	213	834	48	155	281	305	7.3
1980 to 1989	2,312	89	16	221	218	777	50	189	379	372	10.1

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C17.89s. Site Electricity Consumption by End Use in Commercial Buildings, 1989

Building Characteristics	End Uses (trillion Btu)										RSE Row Factors
	All End Uses	Space Heating	Water Heating	Cooling	Ventila- tion	Lighting	Cooking	Refrig- eration	Office Equip- ment	Other	
	RSE Column Factors:	1.0	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings	2,773	96	24	282	278	1,023	56	187	379	449	5.9
Census Region											
Northeast	586	23	3	35	57	227	11	35	92	102	14.0
Midwest	609	26	6	51	59	241	14	48	79	85	9.1
South	975	31	12	135	93	341	20	65	122	155	8.7
West	604	15	4	61	69	214	11	38	86	106	12.0
Census Division											
New England	115	4	1	7	13	46	3	8	16	19	14.8
Middle Atlantic	470	19	2	27	44	182	8	28	76	84	16.9
East North Central	399	17	4	28	37	160	9	34	54	56	11.9
West North Central	210	10	2	24	22	80	5	14	25	29	15.1
South Atlantic	416	13	6	61	43	147	7	25	55	60	11.7
East South Central	215	11	3	20	17	71	6	15	30	Q	19.5
West South Central	344	8	3	54	33	123	7	25	37	54	15.1
Mountain	179	5	1	20	24	66	4	12	24	23	29.7
Pacific	425	10	2	41	45	148	7	26	62	83	16.2
Principal Building Activity											
Assembly	186	19	1	25	25	63	1	11	6	35	17.8
Education	217	10	2	17	24	114	1	10	10	28	9.3
Food Sales and Service	218	2	4	35	21	45	26	61	3	21	12.3
Health Care	154	3	2	31	21	68	5	6	5	12	13.9
Lodging	138	11	5	17	20	47	14	16	1	6	11.6
Mercantile and Service	550	12	4	51	26	201	4	12	115	124	10.8
Office	781	27	4	81	133	272	3	35	165	62	6.4
Warehouse	243	8	1	6	3	102	1	24	57	39	18.9
Other	247	Q	1	16	3	96	1	10	15	103	35.9
Vacant	39	1	*	3	*	13	*	2	2	18	19.7
Building Floorspace (square feet)											
1,001 to 2,000	101	5	3	13	10	28	5	10	17	11	9.5
2,001 to 5,000	224	10	6	31	19	69	10	24	35	22	7.2
5,001 to 10,000	246	9	3	33	21	83	6	16	41	34	12.3
10,001 to 25,000	381	25	4	39	27	124	8	30	73	52	10.3
25,001 to 50,000	331	16	2	34	26	127	6	27	46	46	10.9
50,001 to 100,000	433	9	2	36	40	161	6	31	44	104	16.2
100,001 to 200,000	387	12	2	35	43	153	5	19	47	71	12.8
200,001 to 500,000	366	7	2	35	50	151	5	15	39	62	18.0
Over 500,000	303	3	1	26	43	126	4	15	37	46	17.6
Year Constructed											
1899 or Before	25	1	Q	2	3	8	1	3	3	4	17.0
1900 to 1919	75	2	1	5	7	29	1	4	10	18	16.6
1920 to 1945	211	Q	1	24	29	76	5	14	23	25	12.3
1946 to 1959	379	5	2	35	42	158	6	21	53	56	13.1
1960 to 1969	589	15	5	60	55	219	10	32	72	121	15.0
1970 to 1979	730	31	9	83	70	276	16	51	93	101	7.3
1980 to 1989	765	29	5	73	72	257	17	63	125	123	10.1

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

* = 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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C18.89. Natural Gas Consumption by End Use in Commercial Buildings, 1989

Building Characteristics	End Uses (trillion Btu)					RSE Row Factors
	All End Uses	Space Heating	Water Heating	Cooking	Other	
	RSE Column Factors: 1.0	NF	NF	NF	NF	
All Buildings	2,073	1,265	320	198	290	7.3
Census Region						
Northeast	353	235	52	30	36	17.2
Midwest	831	579	101	46	105	10.1
South	498	263	84	42	108	17.8
West	391	189	82	Q	41	14.8
Census Division						
New England	39	19	Q	4	4	22.8
Middle Atlantic	314	215	40	26	Q	19.4
East North Central	561	398	73	36	54	12.2
West North Central	270	180	28	11	Q	20.0
South Atlantic	198	106	24	15	Q	31.5
East South Central	126	64	25	9	28	29.2
West South Central	174	94	34	19	27	19.6
Mountain	197	97	28	Q	13	25.7
Pacific	195	91	54	21	28	14.8
Principal Building Activity						
Assembly	174	135	13	17	8	9.7
Education	323	237	15	Q	20	19.0
Food Sales and Service	155	50	44	53	7	10.5
Health Care	186	45	71	29	Q	25.4
Lodging	187	78	84	17	9	13.8
Mercantile and Service	417	275	47	19	76	12.8
Office	238	171	27	4	36	11.6
Warehouse	206	156	4	Q	Q	24.5
Other	137	86	9	Q	36	23.4
Vacant	49	31	Q	Q	Q	45.1
Building Floorspace (square feet)						
1,001 to 2,000	89	53	21	10	5	13.5
2,001 to 5,000	213	130	41	24	18	7.8
5,001 to 10,000	265	174	43	11	37	12.2
10,001 to 25,000	278	200	43	12	24	8.9
25,001 to 50,000	309	207	31	15	56	12.9
50,001 to 100,000	249	186	31	12	20	12.4
100,001 to 200,000	238	153	42	28	16	18.9
200,001 to 500,000	228	110	43	17	Q	31.3
Over 500,000	203	53	26	Q	Q	37.6
Year Constructed						
1899 or Before	53	43	5	2	2	27.8
1900 to 1919	123	74	12	7	Q	26.0
1920 to 1945	244	155	20	19	Q	20.9
1946 to 1959	411	234	71	Q	46	16.8
1960 to 1969	458	309	62	25	62	13.1
1970 to 1979	441	261	87	50	44	13.1
1980 to 1989	344	190	64	34	55	9.5

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

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 1989 Nonresidential Buildings Energy Consumption Survey.

Table C19.89. Fuel Oil and District Heat Consumption in Commercial Buildings, 1989

Building Characteristics	Fuel Oil End Uses (trillion Btu)		District Heat End Uses (trillion Btu)		RSE Row Factors
	All End Uses	Space Heating	All End Uses	Space Heating	
	0.9	NF	1.2	NF	
RSE Column Factors:	0.9	NF	1.2	NF	
All Buildings	357	301	585	355	16.8
Census Region					
Northeast	237	198	179	111	24.9
Midwest	61	58	159	70	29.7
South	50	38	126	90	35.0
West	9	Q	121	84	34.0
Census Division					
New England	92	79	Q	24	18.7
Middle Atlantic	145	119	127	87	27.7
East North Central	38	37	88	42	35.0
West North Central	23	21	71	28	50.2
South Atlantic	42	32	Q	Q	36.1
East South Central	6	5	Q	Q	0.0
West South Central	Q	Q	73	55	0.0
Mountain	Q	Q	73	55	0.0
Pacific	7	Q	49	29	0.0
Principal Building Activity					
Assembly	31	29	49	44	26.8
Education	71	68	93	62	28.9
Food Sales and Service	18	15	Q	Q	33.7
Health Care	17	7	92	23	45.3
Lodging	10	6	90	41	39.2
Mercantile and Service	75	68	6	Q	32.0
Office	43	38	167	127	25.1
Warehouse	53	39	Q	18	45.5
Other	30	24	49	33	42.7
Vacant	7	7	3	Q	40.7
Building Floorspace (square feet)					
1,001 to 2,000	19	17	Q	Q	33.3
2,001 to 5,000	40	36	Q	Q	24.9
5,001 to 10,000	41	38	14	Q	43.1
10,001 to 25,000	69	61	63	42	27.7
25,001 to 50,000	47	44	69	52	23.0
50,001 to 100,000	54	47	119	58	48.2
100,001 to 200,000	46	31	106	71	38.9
200,001 to 500,000	28	21	76	62	35.0
Over 500,000	12	Q	133	58	40.8
Year Constructed					
1899 or Before	17	15	Q	Q	39.6
1900 to 1919	26	23	15	12	28.2
1920 to 1945	69	62	112	56	18.8
1946 to 1959	77	73	121	83	28.5
1960 to 1969	73	60	156	86	38.1
1970 to 1979	61	40	110	67	31.9
1980 to 1989	34	27	38	24	39.7

NF = No applicable RSE row/column factor, estimates derived from a statistically adjusted engineering model.

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 1989 Nonresidential Buildings Energy Consumption Survey.

**Table C20.89. Total Expenditures (1987 and 1989 Dollars) for All End Uses in Commercial Buildings, 1989
(Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		
	1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	1987 Dollars	1989 Dollars	
	0.8	0.8	0.8	0.8	0.9	0.9	1.7	1.7	
RSE Column Factors:	0.8	0.8	0.8	0.8	0.9	0.9	1.7	1.7	
All Buildings	65,217	70,826	51,513	55,943	8,475	9,204	1,678	1,822	6.9
Census Region									
Northeast	16,119	17,505	12,144	13,188	1,663	1,807	1,128	1,225	12.5
Midwest	15,164	16,468	10,770	11,697	3,113	3,381	285	310	10.7
South	20,036	21,759	16,951	18,409	2,111	2,293	222	241	14.3
West	13,898	15,093	11,647	12,649	1,587	1,724	Q	Q	11.9
Census Division									
New England	3,365	3,654	2,451	2,662	208	226	435	473	16.2
Middle Atlantic	12,755	13,852	9,693	10,527	1,455	1,580	692	752	15.8
East North Central	10,211	11,089	7,333	7,964	2,197	2,386	178	194	12.5
West North Central	4,953	5,379	3,438	3,733	916	995	107	116	20.6
South Atlantic	9,270	10,067	8,119	8,817	823	894	187	203	21.9
East South Central	4,001	4,345	3,276	3,558	509	553	Q	Q	25.3
West South Central	6,765	7,347	5,556	6,034	779	846	Q	Q	17.6
Mountain	4,085	4,436	3,079	3,344	629	683	Q	Q	26.7
Pacific	9,813	10,657	8,568	9,305	958	1,040	Q	Q	16.0
Principal Building Activity									
Assembly	5,512	5,986	4,280	4,648	745	809	165	180	19.0
Education	6,068	6,589	4,044	4,391	1,205	1,309	305	331	11.7
Food Sales and Service	5,014	5,445	4,155	4,512	747	812	94	102	13.7
Health Care	3,731	4,052	2,459	2,670	655	712	67	72	22.1
Lodging	3,696	4,014	2,387	2,593	753	818	48	52	16.2
Mercantile and Service	12,456	13,527	10,235	11,116	1,778	1,931	396	430	10.7
Office	16,872	18,323	14,509	15,757	1,039	1,128	213	232	10.9
Warehouse	5,603	6,085	4,453	4,836	785	853	216	234	19.8
Other	5,143	5,585	4,140	4,496	548	596	142	155	30.9
Vacant	1,122	1,218	851	924	218	237	32	35	24.8
Building Floorspace (square feet)									
1,001 to 2,000	2,827	3,071	2,270	2,465	448	486	107	116	13.4
2,001 to 5,000	6,014	6,531	4,721	5,127	1,044	1,134	216	235	9.3
5,001 to 10,000	7,247	7,870	5,738	6,232	1,201	1,304	213	232	20.6
10,001 to 25,000	9,088	9,869	7,191	7,809	1,241	1,348	348	378	10.3
25,001 to 50,000	8,241	8,950	6,371	6,919	1,214	1,318	215	233	12.6
50,001 to 100,000	9,323	10,124	7,405	8,042	1,008	1,094	231	251	17.4
100,001 to 200,000	8,532	9,265	6,823	7,410	935	1,016	183	198	16.9
200,001 to 500,000	7,231	7,853	5,825	6,326	769	836	116	126	23.7
Over 500,000	6,716	7,293	5,168	5,613	615	668	50	54	24.1
Year Constructed									
1899 or Before	1,118	1,214	555	603	249	270	88	96	24.9
1900 to 1919	2,255	2,448	1,543	1,676	486	527	127	138	17.6
1920 to 1945	6,476	7,033	4,394	4,772	1,045	1,135	347	377	15.5
1946 to 1959	9,516	10,334	6,752	7,333	1,666	1,809	372	404	13.8
1960 to 1969	13,714	14,894	10,743	11,667	1,819	1,975	321	349	13.8
1970 to 1979	16,397	17,807	13,642	14,815	1,785	1,939	265	288	13.2
1980 to 1989	15,741	17,095	13,883	15,077	1,427	1,549	157	170	12.4

Q = Data withheld because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.
 Notes: • To obtain the RSE percentage for any table cell, multiply the 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 1989 Nonresidential Buildings Energy Consumption Survey.