

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.

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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 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.
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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 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.
 • 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 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.
 • 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 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 Buildings	Energy Sources										RSE Row Factors
		All Major Sources		Electricity		Natural Gas		Fuel Oil		District Heat		
	Total Number (thousand)	Buildings (thousand)	Consumption (trillion Btu)	Buildings (thousand)	Consumption (trillion Btu)	Buildings (thousand)	Consumption (trillion Btu)	Buildings (thousand)	Consumption (trillion Btu)	Buildings (thousand)	Consumption (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)	
	0.5	0.6	0.8	0.6	0.8	0.7	1.0	1.3	1.7	2.1	2.5	
RSE Column Factors:	0.5	0.6	0.8	0.6	0.8	0.7	1.0	1.3	1.7	2.1	2.5	
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.
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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 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.

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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 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.