

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table C13.86. Total and Average Consumption and Expenditures for District Heat in Commercial Buildings, 1986

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

¹ Current (1986) dollars only.

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

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

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

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