

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

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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	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

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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	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.