Energy Consumption & Expenditures

Consumption per Building, Square Foot, Energy Unit Tables

(16 pages, 95 kb)

These data are from the 1995 Commercial Buildings Energy Consumption Survey (CBECS), a national probability sample survey of commercial buildings sponsored by the Energy Information Administration, that provides information on the use of energy in commercial buildings in the United States. The 1995 CBECS was the sixth survey in a series begun in 1979. The data were collected from a sample of 6,639 buildings representing 4.6 million commercial buildings and 58.8 billion square feet of commercial floorspace in the U.S. The 1995 data are available for the four Census regions and nine Census division.

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Contact: Martha Johnson, Survey Manager (martha.johnson@eia.doe.gov)

World Wide Web: http://www.eia.doe.gov/emeu/consumption

Table 3. Consumption for Sum of Major Fuels, 1995

Building Characteristics	All Buildings			Sum of Major Fuel Consumption				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	per Building (million Btu)	per Square Foot (thousand Btu)	per Worker (million Btu)	
RSE Column Factor:	1.0	0.8	0.7	1.1	1.2	1.0	1.2	
All Buildings	4,579	58,772	12.8	5,321	1,162	90.5	69.3	3.83
Building Floorspace (square feet)								
1,001 to 5,000	2,399	6,338	2.6	708	295	111.7	66.9	5.64
5,001 to 10,000	1,035	7,530	7.3	624	603	82.8	82.2	9.63
10,001 to 25,000	745	11,617	15.6	824	1,106	70.9	63.6	7.20
25,001 to 50,000	213	7,676	36.1	630	2,961	82.0	61.7	4.59
50,001 to 100,000	115	7,968	69.3	698	6,070	87.6	71.7	4.97
100,001 to 200,000	48	6,776	140.9	687	14,281	101.4	80.9	6.69
200,001 to 500,000	19	5,553	294.9	636	33,800	114.6	83.7	6.82
Over 500,000	6	5,313	896.4	514	86,763	96.8	53.5	9.30
Principal Building Activity								
Education	309	7,740	25.1	614	1,986	79.3	60.8	8.14
Food Sales	137	642	4.7	137	1,002	213.5	210.1	12.31
Food Service	285	1,353	4.8	332	1,167	245.5	141.8	12.14
Health Care	105	2,333	22.2	561	5,342	240.4	125.1	12.68
Lodging	158	3,618	22.8	461	2,908	127.3	167.7	10.65
Mercantile and Service	1,289	12,728	9.9	973	755	76.4	72.3	8.49
Office	705	10,478	14.9	1,019	1,445	97.2	37.7	7.56
Public Assembly	326	3,948	12.1	449	1,376	113.7	149.8	16.05
Public Order and Safety	87	1,271	14.6	124	1,416	97.2	72.5	21.19
Religious Worship	269	2,792	10.4	104	387	37.4	Q	11.35
Warehouse and Storage	580	8,481	14.6	325	560	38.3	66.2	11.36
Other	67	1,004	14.9	173	2,566	172.2	93.7	24.28
Vacant	261	2,384	9.1	51	196	21.5	80.1	21.29
Year Constructed								
1919 or Before	353	3,673	10.4	292	827	79.4	79.7	12.74
1920 to 1945	562	6,710	11.9	508	905	75.7	69.1	9.74
1946 to 1959	867	9,298	10.7	826	953	88.9	80.9	8.69
1960 to 1969	718	10,858	15.1	1,024	1,425	94.3	71.2	7.38
1970 to 1979	813	11,333	13.9	1,125	1,384	99.3	74.8	7.06
1980 to 1989	846	12,252	14.5	1,059	1,252	86.5	52.4	8.57
1990 to 1992	218	2,590	11.9	297	1,361	114.6	76.1	14.22
1993 to 1995	202	2,059	10.2	190	940	92.2	94.5	15.02
Floors								
One	3,018	24,552	8.1	1,846	612	75.2	72.7	6.11
Two	1,002	14,122	14.1	1,122	1,120	79.4	62.4	7.20
Three	399	7,335	18.4	675	1,689	92.0	79.7	8.50
Four to Nine	148	8,789	59.4	1,229	8,302	139.8	84.3	9.58
Ten or More	12	3,975	328.9	451	37,283	113.4	43.4	10.09
Census Region and Division								
Northeast	725	11,883	16.4	1,035	1,427	87.1	68.3	8.50
New England	204	3,140	15.4	274	1,343	87.3	80.8	13.02
Middle Atlantic	521	8,743	16.8	761	1,460	87.1	64.8	9.83
Midwest	1,139	14,322	12.6	1,497	1,314	104.5	88.2	7.52
East North Central	739	9,655	13.1	987	1,335	102.2	92.7	8.66
West North Central	401	4,668	11.6	510	1,273	109.3	80.5	14.56
South	1,750	20,830	11.9	1,684	962	80.8	63.5	6.42
South Atlantic	676	9,475	14.0	772	1,142	81.5	61.3	9.54
East South Central	477	4,917	10.3	417	875	84.8	57.4	14.62
West South Central	597	6,438	10.8	494	828	76.7	74.5	9.88
West	964	11,736	12.2	1,106	1,147	94.2	60.9	10.48
Mountain	319	3,855	12.1	429	1,346	111.3	94.8	15.94
Pacific	646	7,881	12.2	677	1,048	85.9	49.7	10.84

See footnotes at end of table.

Table 3. Consumption for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	All Buildings			Sum of Major Fuel Consumption				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	per Building (million Btu)	per Square Foot (thousand Btu)	per Worker (million Btu)	
RSE Column Factor:	1.0	0.8	0.7	1.1	1.2	1.0	1.2	
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	493	5,098	10.3	499	1,011	97.8	83.6	12.54
5,500-7,000 HDD	975	14,597	15.0	1,591	1,633	109.0	94.2	7.40
4,000-5,499 HDD	1,070	15,155	14.2	1,407	1,315	92.8	66.8	11.07
Fewer than 4,000 HDD	1,103	13,491	12.2	1,078	977	79.9	52.4	9.91
More than 2,000 CDD and --								
Fewer than 4,000 HDD	937	10,430	11.1	746	796	71.6	60.8	10.01
Workers (main shift)								
Fewer than 5	2,505	13,885	5.5	789	315	56.8	170.1	8.93
5 to 9	798	6,291	7.9	509	638	80.8	98.6	9.79
10 to 19	625	7,102	11.4	614	983	86.5	78.4	9.64
20 to 49	400	9,132	22.8	868	2,172	95.1	75.3	6.69
50 to 99	138	6,931	50.3	630	4,571	90.9	70.6	7.81
100 to 249	71	5,988	84.4	649	9,148	108.3	65.9	7.05
250 or More	43	9,443	220.1	1,262	29,426	133.7	43.8	11.08
Weekly Operating Hours								
39 or Fewer	899	6,134	6.8	180	200	29.3	31.2	11.58
40 to 48	1,257	13,233	10.5	879	700	66.4	53.1	7.27
49 to 60	969	12,242	12.6	937	967	76.6	52.8	7.71
61 to 84	567	10,052	17.7	796	1,404	79.2	60.2	7.48
85 to 167	420	6,202	14.8	831	1,978	134.0	119.4	11.03
Open Continuously	466	10,908	23.4	1,698	3,644	155.7	102.8	7.64
Ownership and Occupancy								
Nongovernment Owned	4,025	46,696	11.6	3,950	981	84.6	65.3	4.11
Owner Occupied	3,158	35,573	11.3	3,287	1,041	92.4	70.1	4.58
Nonowner Occupied	698	9,697	13.9	647	927	66.7	48.4	7.57
Unoccupied	170	1,426	8.4	16	93	11.0	71.5	32.58
Government Owned	553	12,076	21.8	1,372	2,479	113.6	84.2	8.13
Federal	76	1,752	23.2	266	3,521	151.8	75.9	26.23
State	99	2,851	28.7	438	4,404	153.6	107.7	15.91
Local	379	7,473	19.7	668	1,765	89.4	76.7	10.46
Space in Building Vacant for at Least Three Consecutive Months								
Yes	787	15,844	20.1	1,120	1,422	70.7	51.2	8.09
No	3,791	42,928	11.3	4,202	1,108	97.9	76.6	4.36
Energy Sources (more than one may apply)								
Electricity	4,343	57,076	13.1	5,312	1,223	93.1	69.4	3.89
Natural Gas	2,478	38,145	15.4	3,931	1,586	103.0	78.3	4.29
Fuel Oil	607	14,421	23.7	1,732	2,852	120.1	75.4	8.26
District Heat	110	5,658	51.5	1,051	9,572	185.8	101.0	19.04
District Chilled Water	53	2,521	47.7	542	10,247	214.8	121.9	19.60
Propane	589	5,344	9.1	392	665	73.4	50.9	11.74
Other	213	2,336	11.0	259	1,215	110.7	98.5	25.85
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	54,347	13.5	5,247	1,304	96.5	70.0	3.92
Buildings with Cooling	3,381	49,935	14.8	4,923	1,456	98.6	69.2	4.01
Buildings with Water Heating	3,486	51,560	14.8	5,090	1,460	98.7	70.0	4.02
Buildings with Cooking	828	20,713	25.0	2,506	3,027	121.0	78.6	5.41
Buildings with Manufacturing	204	3,893	19.1	307	1,502	78.8	62.0	14.98
Buildings with Electricity Generation	247	13,366	54.2	1,705	6,916	127.6	74.6	7.91

See footnotes at end of table.

Table 3. Consumption for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	All Buildings			Sum of Major Fuel Consumption				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	per Building (million Btu)	per Square Foot (thousand Btu)	per Worker (million Btu)	
RSE Column Factor:	1.0	0.8	0.7	1.1	1.2	1.0	1.2	
Space-Heating Energy Sources (more than one may apply)								
Electricity	1,467	22,156	15.1	1,908	1,300	86.1	56.1	6.12
Natural Gas	2,211	31,535	14.3	3,095	1,400	98.2	76.9	4.56
Fuel Oil	504	6,606	13.1	722	1,432	109.3	87.9	11.84
District Heat	109	5,606	51.4	1,036	9,490	184.8	99.9	13.78
Propane	301	2,025	6.7	129	429	63.8	Q	15.53
Other	135	1,050	7.8	77	568	72.9	74.0	16.07
Primary Space-Heating Energy Source								
Electricity	1,007	13,500	13.4	1,006	999	74.5	48.8	7.41
Natural Gas	2,106	28,808	13.7	2,839	1,348	98.5	78.0	4.83
Fuel Oil	439	4,207	9.6	305	695	72.6	75.3	9.65
District Heat	107	5,289	49.3	977	9,105	184.7	99.0	14.44
Propane	260	1,545	5.9	71	273	45.9	Q	20.19
Other	61	514	8.4	16	265	31.5	49.9	24.64
Cooling Energy Sources (more than one may apply)								
Electricity	3,293	47,761	14.5	4,532	1,376	94.9	66.9	3.91
Natural Gas	65	1,314	20.1	220	3,364	167.3	106.7	22.73
District Chilled Water	53	2,521	47.7	542	10,247	214.8	121.9	19.60
Water-Heating Energy Sources (more than one may apply)								
Electricity	1,684	23,056	13.7	1,657	984	71.9	49.0	5.87
Natural Gas	1,577	24,859	15.8	2,769	1,756	111.4	85.2	5.30
Fuel Oil	120	2,151	17.9	203	1,686	94.2	87.7	16.37
District Heat	54	3,949	73.7	762	14,224	192.9	106.6	15.72
Propane	110	1,020	9.2	75	680	73.6	64.4	20.35
Cooking Energy Sources (more than one may apply)								
Electricity	487	12,249	25.2	1,496	3,074	122.1	79.0	7.35
Natural Gas	448	13,195	29.4	1,698	3,787	128.7	84.7	6.95
Propane	123	1,480	12.0	125	1,010	84.3	68.8	18.10
Percent of Floorspace Heated								
Not Heated	554	4,425	8.0	74	134	16.8	40.1	15.92
1 to 50	555	6,227	11.2	247	446	39.7	58.3	10.94
51 to 99	633	8,868	14.0	805	1,271	90.7	69.9	10.24
100	2,836	39,252	13.8	4,195	1,479	106.9	70.9	4.14
Percent of Floorspace Cooled								
Not Cooled	1,198	8,837	7.4	399	333	45.1	71.0	9.47
1 to 50	930	15,027	16.2	1,044	1,122	69.5	84.1	8.36
51 to 99	635	12,549	19.8	1,360	2,142	108.4	70.6	7.08
100	1,816	22,359	12.3	2,519	1,387	112.6	63.8	5.71
Percent Lit when Open								
Zero	36	189	5.2	Q	Q	Q	Q	35.96
1 to 50	666	6,008	9.0	308	462	51.2	115.2	8.10
51 to 99	745	9,692	13.0	884	1,186	91.2	73.3	7.73
100	2,814	40,514	14.4	4,103	1,458	101.3	66.5	4.58
Building Not in Use/ Electricity Not Used	318	2,369	7.5	26	81	10.8	Q	23.41

See footnotes at end of table.

Table 3. Consumption for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	All Buildings			Sum of Major Fuel Consumption				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	per Building (million Btu)	per Square Foot (thousand Btu)	per Worker (million Btu)	
RSE Column Factor:	1.0	0.8	0.7	1.1	1.2	1.0	1.2	
Percent Lit when Closed								
Zero	1,644	13,101	8.0	753	458	57.4	59.3	7.51
1 to 50	2,109	30,711	14.6	2,639	1,251	85.9	58.8	5.26
51 to 100	87	1,914	22.0	208	2,391	108.6	80.8	20.39
Never Closed	421	10,677	25.4	1,696	4,033	158.9	103.6	7.81
Building Not in Use/ Electricity Not Used	318	2,369	7.5	26	81	10.8	101.2	29.34
Energy Conservation Features (more than one may apply)								
Any Conservation Features	4,075	55,288	13.6	5,260	1,291	95.1	69.6	3.86
Building Shell	3,906	53,190	13.6	5,135	1,315	96.5	69.2	3.98
HVAC	2,529	44,657	17.7	4,621	1,827	103.5	70.0	4.17
Lighting	2,084	38,537	18.5	4,012	1,925	104.1	68.7	4.48

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • HVAC = Heating, Ventilation, and Air Conditioning. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.

Table 10. Electricity Consumption and Expenditure Intensities, 1995

Building Characteristics	Electricity Consumption						Electricity Expenditures			RSE Row Factor
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)	
				25th Percentile	Median	75th Percentile				
RSE Column Factor:	1.4	1.1	1.3				1.2	0.9	0.5	
All Buildings	176	13.4	10.0	3.2	7.2	16.2	13.0	0.99	0.074	3.41
Building Floorspace (square feet)										
1,001 to 5,000	49	18.7	10.6	3.9	8.5	20.6	4.3	1.63	0.087	6.46
5,001 to 10,000	72	9.9	9.2	2.2	6.2	12.8	6.2	0.86	0.087	6.49
10,001 to 25,000	156	10.0	8.7	3.0	5.6	12.7	12.3	0.79	0.079	6.91
25,001 to 50,000	438	12.1	9.1	3.6	7.3	15.5	33.1	0.92	0.076	5.30
50,001 to 100,000	933	13.5	11.0	3.9	8.9	17.6	63.0	0.91	0.068	5.79
100,001 to 200,000	2,112	15.0	11.7	4.4	12.4	23.3	134.4	0.95	0.064	6.30
200,001 to 500,000	4,779	16.2	11.9	4.6	10.5	20.7	313.9	1.06	0.066	10.78
Over 500,000	14,457	16.3	8.6	7.5	13.2	22.4	973.8	1.10	0.067	8.32
Principal Building Activity										
Education	210	8.4	6.4	4.3	6.1	14.3	16.7	0.67	0.080	6.23
Food Sales	254	54.1	53.3	37.1	55.6	81.3	18.5	3.95	0.073	10.17
Food Service	171	36.0	20.8	13.3	25.5	63.0	13.8	2.90	0.081	12.54
Health Care	589	26.5	13.8	7.4	15.7	23.3	37.2	1.67	0.063	8.55
Lodging	347	15.2	20.1	6.5	11.7	20.1	24.3	1.07	0.070	7.09
Mercantile and Service	117	11.8	11.1	3.0	6.9	12.8	9.1	0.92	0.078	6.58
Office	281	18.9	7.3	6.1	12.2	20.2	19.9	1.34	0.071	7.43
Public Assembly	153	12.7	16.7	2.7	5.8	10.0	11.1	0.92	0.072	10.50
Public Order and Safety	165	11.3	8.4	3.3	3.9	9.8	13.0	0.89	0.079	22.86
Religious Worship	36	3.4	Q	1.4	2.9	4.9	3.5	0.34	0.100	9.05
Warehouse and Storage	108	6.4	10.6	1.2	3.2	7.3	8.2	0.49	0.076	8.26
Other	330	22.1	12.0	6.3	11.3	21.8	22.0	1.47	0.067	15.31
Vacant	36	3.9	9.3	0.3	2.4	5.6	3.3	0.35	0.092	17.63
Year Constructed										
1919 or Before	87	8.3	8.0	2.0	4.8	10.3	6.8	0.65	0.079	16.67
1920 to 1945	100	8.2	7.0	2.2	5.1	11.8	7.9	0.65	0.079	8.07
1946 to 1959	113	10.4	9.3	2.8	6.5	12.2	8.8	0.81	0.078	6.76
1960 to 1969	199	13.0	9.6	2.8	7.2	15.8	15.0	0.98	0.075	6.48
1970 to 1979	223	16.0	12.0	4.2	8.8	21.0	16.1	1.16	0.072	7.18
1980 to 1989	240	15.9	9.4	4.2	10.0	22.0	17.5	1.16	0.073	6.19
1990 to 1992	234	18.8	12.3	4.1	9.4	23.2	16.2	1.30	0.069	8.84
1993 to 1995	205	17.5	16.8	2.9	8.4	16.7	14.5	1.23	0.071	15.67
Census Region and Division										
Northeast	184	11.2	8.5	2.5	5.2	12.1	18.7	1.14	0.102	5.69
New England	152	9.4	8.6	2.2	5.8	12.2	16.2	1.00	0.107	7.38
Middle Atlantic	195	11.8	8.5	2.9	5.2	12.1	19.7	1.19	0.101	7.14
Midwest	152	11.8	9.7	2.2	6.8	13.1	10.2	0.79	0.067	6.82
East North Central	149	11.1	9.8	2.0	5.6	12.7	10.5	0.78	0.071	8.77
West North Central	158	13.3	9.4	3.1	8.1	14.4	9.5	0.80	0.061	10.00
South	183	14.9	11.4	4.0	8.5	19.8	11.5	0.94	0.063	5.18
South Atlantic	223	15.4	11.3	3.9	8.5	17.5	14.8	1.02	0.067	6.07
East South Central	159	14.9	9.6	4.1	9.8	26.4	9.1	0.85	0.057	10.38
West South Central	155	14.3	13.4	3.4	7.8	16.7	9.7	0.89	0.062	10.14
West	186	14.8	9.5	3.3	7.3	18.2	14.7	1.17	0.079	8.34
Mountain	176	13.9	11.8	2.3	6.5	17.4	11.2	0.89	0.064	13.57
Pacific	191	15.3	8.7	3.9	8.8	20.1	16.4	1.32	0.086	11.24
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	112	10.6	8.8	2.1	5.2	12.9	7.7	0.73	0.069	11.08
5,500-7,000 HDD	179	11.7	9.9	2.5	5.6	13.7	14.0	0.91	0.078	5.85
4,000-5,499 HDD	204	14.1	9.8	2.9	6.2	14.1	15.0	1.03	0.073	8.55
Fewer than 4,000 HDD	181	14.3	9.2	4.2	9.3	21.6	13.8	1.09	0.076	7.11
More than 2,000 CDD and --										
Fewer than 4,000 HDD	169	15.0	12.2	4.7	8.7	18.2	11.7	1.04	0.069	6.78

See footnotes at end of table.

Table 10. Electricity Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	Electricity Consumption						Electricity Expenditures			RSE Row Factor
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)	
RSE Column Factor:	1.4	1.1	1.3	25th Percentile	Median	75th Percentile	1.2	0.9	0.5	
Workers (main shift)										
Fewer than 5	42	7.8	20.9	2.1	5.3	12.2	3.7	0.69	0.089	5.83
5 to 9	82	10.5	12.7	4.9	8.5	17.2	6.9	0.87	0.083	7.44
10 to 19	137	12.1	11.0	3.9	9.5	20.0	10.7	0.95	0.078	8.65
20 to 49	312	13.6	10.8	5.8	12.9	22.2	23.9	1.04	0.077	6.10
50 to 99	662	13.2	10.2	4.6	10.6	19.9	48.1	0.96	0.073	7.45
100 to 249	1,382	16.4	10.0	6.8	15.1	24.6	94.3	1.12	0.068	5.69
250 or More	4,784	21.7	7.1	5.9	16.4	26.8	307.6	1.40	0.064	10.33
Weekly Operating Hours										
39 or Fewer	24	3.6	3.1	0.7	2.7	5.8	2.3	0.35	0.096	11.01
40 to 48	94	9.0	7.1	3.6	6.8	12.9	7.5	0.72	0.080	5.54
49 to 60	153	12.0	8.2	3.3	6.9	15.3	11.5	0.90	0.075	9.03
61 to 84	225	12.7	9.7	4.6	10.2	18.2	17.3	0.98	0.077	6.21
85 to 167	313	20.7	18.3	11.9	31.4	55.6	23.6	1.56	0.075	6.65
Open Continuously	541	21.3	13.9	5.0	12.7	31.5	36.0	1.42	0.066	5.93
Ownership and Occupancy										
Nongovernment Owned	155	13.1	9.8	3.1	7.2	16.2	11.8	0.99	0.076	3.41
Owner Occupied	154	13.4	10.1	3.0	6.9	15.9	11.4	0.99	0.074	3.79
Nonowner Occupied	176	12.4	8.8	4.1	9.8	18.2	14.6	1.03	0.083	6.63
Unoccupied	21	2.8	Q	0.2	0.6	7.7	2.3	0.30	0.106	29.15
Government Owned	325	14.6	10.7	3.9	7.7	17.2	22.1	1.00	0.068	10.24
Space in Building Vacant for at Least Three Consecutive Months										
Yes	270	11.9	8.0	1.9	5.1	10.8	19.7	0.87	0.073	5.94
No	160	13.9	10.8	3.4	7.6	17.1	11.9	1.03	0.074	3.78
Energy Sources (more than one may apply)										
Electricity	176	13.4	10.0	3.2	7.2	16.2	13.0	0.99	0.074	3.41
Natural Gas	202	13.1	10.0	3.5	7.4	16.0	15.1	0.98	0.075	3.91
Fuel Oil	384	15.9	10.0	2.9	5.0	11.4	26.6	1.10	0.069	6.31
District Heat	972	18.9	10.3	7.4	10.2	24.3	63.3	1.23	0.065	13.88
District Chilled Water	1,042	21.9	12.4	7.7	10.2	26.8	63.3	1.33	0.061	14.70
Propane	111	12.3	8.5	2.9	5.9	12.7	9.0	1.00	0.081	11.07
Other	118	10.9	9.4	1.8	5.1	10.5	9.1	0.84	0.077	14.47
Energy End Uses (more than one may apply)										
Buildings with Space Heating	186	13.8	10.0	3.6	7.7	16.4	13.7	1.01	0.074	3.50
Buildings with Cooling	215	14.6	10.2	4.4	9.0	18.9	15.8	1.07	0.073	3.70
Buildings with Water Heating	211	14.2	10.1	3.9	8.7	18.5	15.5	1.05	0.074	3.58
Buildings with Cooking	441	17.7	11.5	5.1	13.5	35.3	31.2	1.25	0.071	5.43
Buildings with Manufacturing	225	11.8	9.3	2.6	6.3	10.5	15.9	0.84	0.071	13.77
Buildings with Electricity Generation	1,022	18.9	11.0	4.3	12.2	23.1	68.7	1.27	0.067	6.00
Space-Heating Energy Source										
Electricity	244	16.2	10.5	5.0	10.9	21.7	17.1	1.13	0.070	5.05
Electricity Main	236	17.6	11.5	5.8	12.9	23.5	16.2	1.21	0.069	6.61
Electricity Secondary	263	14.0	9.0	3.6	7.0	16.2	19.1	1.01	0.073	8.17
Other Excluding Electricity	153	12.1	9.5	3.0	6.7	14.0	11.7	0.93	0.077	3.92
Buildings without Space Heating	56	6.4	10.4	0.5	1.8	6.9	5.2	0.60	0.094	15.09
Primary Space-Heating Energy Source										
Electricity	236	17.6	11.5	5.8	12.9	23.5	16.2	1.21	0.069	6.61
Natural Gas	167	12.2	9.6	3.4	7.3	15.7	12.7	0.93	0.076	3.79
Fuel Oil	63	6.5	6.8	2.2	4.1	6.8	6.6	0.68	0.104	7.60
District Heat	941	19.1	10.2	7.4	10.2	24.6	61.3	1.25	0.065	11.12
Propane	74	12.4	Q	2.2	5.7	15.1	6.7	1.13	0.091	23.46
Other	60	6.9	10.3	1.5	1.8	9.9	4.5	0.52	0.076	21.24

See footnotes at end of table.

Table 10. Electricity Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	Electricity Consumption						Electricity Expenditures			RSE Row Factor
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)	
				25th Percentile	Median	75th Percentile				
RSE Column Factor:	1.4	1.1	1.3				1.2	0.9	0.5	
Cooling Energy Source										
Electricity	209	14.4	10.1	4.3	8.9	18.6	15.4	1.06	0.074	3.70
Other Excluding Electricity	452	18.7	11.7	7.0	12.3	43.1	28.7	1.19	0.064	17.15
Buildings without Cooling	41	5.4	7.1	1.2	2.7	5.6	3.5	0.47	0.087	10.75
Water-Heating Energy Source										
Electricity	198	14.5	9.9	4.1	9.3	19.9	14.3	1.05	0.072	5.62
Other Excluding Electricity	222	14.1	10.3	3.8	8.3	16.7	16.6	1.05	0.075	3.92
Buildings without Water Heating	38	5.8	8.2	1.4	3.4	8.1	3.2	0.49	0.084	8.73
Cooking Energy Source										
Electricity	500	19.9	12.9	5.6	15.7	43.7	33.6	1.33	0.067	6.67
Other Excluding Electricity	357	14.5	9.4	4.5	10.9	22.3	27.9	1.13	0.078	7.29
Buildings without Cooking	114	11.0	8.9	2.9	6.5	14.0	8.8	0.84	0.077	3.80
Percent of Floorspace Heated										
Not Heated	56	6.4	10.4	0.5	1.8	6.9	5.2	0.60	0.094	15.09
1 to 50	78	6.9	10.0	2.0	4.7	9.3	6.4	0.56	0.082	7.89
51 to 99	205	14.6	11.2	3.9	7.3	15.2	15.5	1.10	0.076	10.39
100	203	14.7	9.7	3.9	8.8	18.6	14.7	1.06	0.073	3.51
Percent of Floorspace Cooled										
Not Cooled	41	5.4	7.1	1.2	2.7	5.6	3.5	0.47	0.087	10.75
1 to 50	113	7.0	8.6	2.7	5.2	10.8	9.3	0.58	0.082	5.27
51 to 99	335	17.0	11.1	5.2	9.8	20.3	23.9	1.21	0.071	7.08
100	224	18.2	10.3	5.8	11.9	23.5	16.2	1.31	0.072	4.42
Percent Lit when Open										
Zero	Q	Q	Q	0.7	1.9	2.4	Q	Q	Q	99.99
1 to 50	55	6.1	13.7	1.8	4.9	9.5	4.9	0.54	0.090	10.28
51 to 99	162	12.4	10.0	4.0	7.5	16.2	12.5	0.96	0.077	6.31
100	215	14.9	9.8	3.8	8.5	18.5	15.6	1.08	0.072	4.13
Building Not in Use/ Electricity Not Used	Q	Q	Q	0.1	0.3	3.4	1.8	0.22	0.096	35.29
Percent Lit when Closed										
Zero	61	7.6	7.8	2.1	4.7	10.4	5.0	0.62	0.082	5.95
1 to 50	187	12.8	8.8	4.6	9.8	19.8	14.4	0.99	0.077	4.32
51 to 100	474	21.6	16.0	6.1	8.8	21.9	31.2	1.42	0.066	24.95
Never Closed	541	21.3	13.9	5.0	12.7	31.5	36.0	1.42	0.066	5.94
Building Not in Use/ Electricity Not Used	Q	Q	Q	0.1	0.3	3.4	1.8	0.22	0.096	35.29
Annual Consumption (kilowatthours)										
10,000 or Less	5	1.3	1.8	0.6	1.8	3.3	0.6	0.16	0.116	6.98
10,001 to 50,000	26	4.3	4.4	3.2	6.1	10.8	2.6	0.44	0.102	4.02
50,001 to 100,000	71	7.6	6.2	5.8	11.6	20.5	6.7	0.72	0.094	4.42
100,001 to 500,000	214	13.1	10.5	10.2	18.4	47.0	17.6	1.07	0.082	3.72
500,001 to 1,000,000	699	15.4	11.9	12.3	22.1	46.8	51.1	1.12	0.073	4.15
1,000,001 to 5,000,000	2,033	19.6	13.0	16.5	24.7	36.7	135.0	1.30	0.066	3.31
Over 5,000,000	11,212	27.4	12.3	20.3	30.2	48.4	690.4	1.69	0.062	6.91

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.

Table 21. Natural Gas Consumption and Expenditure Intensities, 1995

Building Characteristics	Natural Gas Consumption						Natural Gas Expenditures			RSE Row Factor
	per Building (thousand cubic feet)	per Square Foot (cubic feet)	per Worker (thousand cubic feet)	Distribution of Building-Level Intensities (cubic feet/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Cubic Feet (dollars)	
				25th Percentile	Median	75th Percentile				
RSE Column Factor:	1.2	1.0	1.3				1.1	1.0	0.6	
All Buildings	764	49.7	37.7	18.4	39.7	76.9	3.6	0.24	4.76	4.48
Building Floorspace (square feet)										
1,001 to 5,000	231	87.2	46.0	26.0	51.0	109.0	1.3	0.50	5.78	7.41
5,001 to 10,000	431	58.8	53.6	17.4	29.1	66.2	2.3	0.32	5.44	14.84
10,001 to 25,000	732	45.9	45.0	11.9	29.3	54.6	3.7	0.23	5.12	10.59
25,001 to 50,000	1,542	42.8	32.1	10.7	27.2	60.8	8.0	0.22	5.16	6.26
50,001 to 100,000	2,907	42.3	34.2	9.6	23.4	53.0	13.4	0.19	4.61	8.09
100,001 to 200,000	7,135	51.3	41.8	11.2	28.4	64.2	28.7	0.21	4.03	11.64
200,001 to 500,000	15,385	52.1	39.9	4.6	25.9	66.3	54.6	0.18	3.55	9.19
Over 500,000	29,006	32.9	16.8	1.6	8.8	33.4	91.4	0.10	3.15	16.82
Principal Building Activity										
Education	1,170	41.1	32.5	13.1	28.6	58.4	5.5	0.19	4.68	8.21
Food Sales	292	42.6	41.2	7.7	31.7	76.8	1.7	0.24	5.66	27.24
Food Service	835	153.5	93.9	52.0	135.2	250.8	4.6	0.85	5.54	10.84
Health Care	4,899	143.0	75.6	44.6	66.3	150.6	16.3	0.48	3.33	13.80
Lodging	1,883	73.2	103.1	41.0	57.6	100.0	8.8	0.34	4.67	11.34
Mercantile and Service	486	45.2	42.6	19.4	40.4	80.3	2.5	0.23	5.14	12.71
Office	532	35.7	13.5	18.0	33.2	62.6	2.6	0.18	4.94	8.48
Public Assembly	731	51.9	72.0	19.7	45.6	77.8	3.6	0.25	4.89	13.19
Public Order and Safety	887	43.6	36.8	22.1	43.6	95.0	4.6	0.22	5.15	15.59
Religious Worship	351	28.0	37.8	10.1	27.4	47.0	1.9	0.15	5.42	12.45
Warehouse and Storage	594	22.4	34.3	9.0	21.2	43.1	3.2	0.12	5.44	8.98
Other	2,535	82.4	37.0	35.1	35.4	44.5	9.3	0.30	3.66	25.18
Vacant	Q	38.8	57.0	13.4	21.0	51.0	2.0	0.18	4.67	33.58
Year Constructed										
1919 or Before	514	49.8	44.8	24.0	47.6	78.3	2.6	0.25	4.97	10.02
1920 to 1945	580	44.9	37.0	21.7	40.4	79.5	2.7	0.21	4.72	9.59
1946 to 1959	721	58.8	53.6	19.7	44.1	86.2	3.4	0.28	4.72	11.38
1960 to 1969	906	50.9	36.6	21.3	47.5	73.7	4.3	0.24	4.80	9.11
1970 to 1979	862	51.8	37.4	12.4	32.7	70.2	3.8	0.23	4.43	11.97
1980 to 1989	786	39.0	25.6	14.2	28.4	56.1	3.9	0.19	4.98	7.62
1990 to 1992	1,063	58.9	41.4	17.4	29.1	94.3	5.5	0.31	5.22	22.46
1993 to 1995	1,134	48.2	45.7	14.3	42.5	85.4	5.4	0.23	4.74	20.50
Census Region and Division										
Northeast	915	40.6	30.6	17.9	29.1	64.1	5.5	0.24	6.02	9.91
New England	2,129	50.0	47.8	11.1	40.8	83.3	12.8	0.30	6.04	20.58
Middle Atlantic	770	38.3	27.3	18.0	28.6	63.9	4.6	0.23	6.02	9.85
Midwest	939	66.9	54.6	31.9	59.8	97.9	3.8	0.27	4.04	7.19
East North Central	897	65.2	56.6	31.5	62.1	95.1	3.7	0.27	4.15	7.04
West North Central	1,042	71.0	50.9	34.8	54.3	123.2	4.0	0.27	3.80	14.55
South	639	41.9	35.0	15.5	29.3	60.1	3.2	0.21	4.98	9.00
South Atlantic	913	39.9	29.3	18.9	34.9	58.7	4.8	0.21	5.26	10.00
East South Central	645	50.5	45.2	16.9	38.3	68.1	3.2	0.25	4.96	22.45
West South Central	469	37.7	35.2	12.0	22.0	52.1	2.2	0.18	4.66	10.92
West	622	46.1	28.4	12.5	30.4	65.1	3.1	0.23	4.91	7.32
Mountain	664	55.5	48.9	24.5	42.2	68.9	2.7	0.22	4.01	11.27
Pacific	597	41.3	22.2	9.5	26.8	55.9	3.3	0.23	5.51	10.28
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	879	68.7	59.2	35.4	50.2	91.0	3.6	0.28	4.08	8.41
5,500-7,000 HDD	1,076	62.6	51.9	28.5	51.0	97.9	4.6	0.27	4.31	8.53
4,000-5,499 HDD	898	48.4	34.1	18.7	40.0	83.8	4.5	0.24	5.03	10.69
Fewer than 4,000 HDD	537	37.7	26.0	11.9	28.8	57.5	3.0	0.21	5.56	7.51
More than 2,000 CDD and --										
Fewer than 4,000 HDD	439	35.0	28.6	13.1	22.9	52.1	2.2	0.18	5.03	10.60

See footnotes at end of table.

Table 21. Natural Gas Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	Natural Gas Consumption						Natural Gas Expenditures			RSE Row Factor
	per Building (thousand cubic feet)	per Square Foot (cubic feet)	per Worker (thousand cubic feet)	Distribution of Building-Level Intensities (cubic feet/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Cubic Feet (dollars)	
				25th Percentile	Median	75th Percentile				
RSE Column Factor:	1.2	1.0	1.3				1.1	1.0	0.6	
Workers (main shift)										
Fewer than 5	251	44.1	111.0	18.5	41.0	73.7	1.4	0.25	5.58	5.88
5 to 9	441	52.9	67.9	19.6	42.6	89.7	2.2	0.27	5.05	15.69
10 to 19	733	55.9	57.4	18.0	30.1	86.2	3.8	0.29	5.20	16.45
20 to 49	1,279	50.4	43.3	18.9	39.8	74.7	6.6	0.26	5.17	7.28
50 to 99	2,347	44.6	36.5	11.8	29.3	57.5	10.9	0.21	4.64	10.12
100 to 249	4,285	50.4	30.9	12.8	32.3	73.8	18.5	0.22	4.31	9.67
250 or More	13,501	51.0	18.0	9.0	27.2	67.3	47.0	0.18	3.48	9.93
Weekly Operating Hours										
39 or Fewer	262	33.8	38.2	10.9	29.1	55.6	1.5	0.19	5.54	10.32
40 to 48	495	41.6	33.9	19.6	33.9	68.1	2.5	0.21	5.03	9.92
49 to 60	491	36.6	24.7	12.5	30.9	64.0	2.5	0.18	5.01	7.49
61 to 84	744	38.6	31.4	24.0	45.7	87.8	3.9	0.20	5.18	8.38
85 to 167	1,092	59.6	54.5	27.5	72.6	198.8	5.6	0.31	5.14	10.15
Open Continuously	2,711	81.7	51.6	28.5	55.4	108.6	11.0	0.33	4.07	8.91
Ownership and Occupancy										
Nongovernment Owned	654	47.4	35.7	18.4	38.8	74.7	3.2	0.23	4.93	4.78
Owner Occupied	692	50.6	38.6	18.4	39.7	75.8	3.3	0.24	4.81	5.47
Nonowner Occupied	515	35.0	24.8	18.7	34.0	78.3	2.9	0.20	5.65	7.40
Unoccupied	Q	Q	Q	14.2	51.0	67.2	Q	Q	Q	99.99
Government Owned	1,603	58.5	45.7	22.0	46.0	90.3	6.8	0.25	4.23	10.00
Space in Building Vacant for at Least Three Consecutive Months										
Yes	1,015	40.9	26.5	15.4	32.4	67.2	4.5	0.18	4.44	11.76
No	717	52.7	42.5	19.1	40.0	78.3	3.5	0.26	4.85	4.47
Energy Sources (more than one may apply)										
Electricity	762	49.6	37.6	18.4	39.7	76.9	3.6	0.24	4.76	4.77
Natural Gas	764	49.7	37.7	18.4	39.7	76.9	3.6	0.24	4.76	4.48
Fuel Oil	3,497	58.4	35.3	6.5	28.6	79.5	13.6	0.23	3.88	10.03
District Heat	4,775	60.6	28.9	5.9	11.8	31.8	16.3	0.21	3.42	27.33
District Chilled Water	5,901	76.7	39.4	6.0	24.0	71.9	19.5	0.25	3.31	15.91
Propane	828	55.8	45.5	25.4	42.1	95.0	4.0	0.27	4.87	10.13
Other	704	42.0	39.9	14.7	36.8	64.0	3.1	0.18	4.37	16.87
Energy End Uses (more than one may apply)										
Buildings with Space Heating	768	49.7	37.7	18.5	39.8	76.9	3.7	0.24	4.76	4.52
Buildings with Cooling	814	49.4	36.4	18.0	38.3	76.9	3.8	0.23	4.72	4.92
Buildings with Water Heating	831	50.4	37.4	18.9	40.0	79.5	3.9	0.24	4.73	4.67
Buildings with Cooking	1,730	59.5	38.9	27.7	58.2	120.6	7.7	0.26	4.44	5.90
Buildings with Manufacturing	1,037	42.4	29.5	29.0	47.7	56.8	5.1	0.21	4.89	12.50
Buildings with Electricity Generation	3,525	54.4	33.1	13.5	40.8	86.1	14.1	0.22	4.00	8.85
Space-Heating Energy Source										
Natural Gas	742	52.0	40.8	19.2	39.9	77.4	3.5	0.25	4.74	4.83
Natural Gas Main	746	54.5	43.2	20.3	41.2	78.8	3.5	0.26	4.73	4.77
Natural Gas Secondary	666	25.6	18.2	6.2	12.5	27.3	3.2	0.12	4.77	19.25
Other Excluding Natural Gas	1,001	38.2	25.0	6.5	31.9	65.6	4.9	0.19	4.90	9.69
Buildings without Space Heating	Q	Q	Q	1.0	7.7	227.2	Q	Q	Q	99.99
Primary Space-Heating Energy Source										
Electricity	712	31.5	22.3	11.0	27.7	64.4	4.1	0.18	5.73	13.22
Natural Gas	746	54.5	43.2	20.3	41.2	78.8	3.5	0.26	4.73	4.77
Fuel Oil	278	11.8	13.4	2.3	6.5	28.6	1.9	0.08	6.95	31.96
District Heat	4,138	56.4	25.6	5.9	7.8	26.7	14.4	0.20	3.48	16.47
Propane	Q	Q	Q	40.4	40.4	40.4	Q	Q	Q	99.99
Other	Q	Q	Q	44.4	44.5	64.1	Q	Q	Q	99.99

See footnotes at end of table.

Table 21. Natural Gas Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	Natural Gas Consumption						Natural Gas Expenditures			RSE Row Factor
	per Building (thousand cubic feet)	per Square Foot (cubic feet)	per Worker (thousand cubic feet)	Distribution of Building-Level Intensities (cubic feet/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Cubic Feet (dollars)	
				25th Percentile	Median	75th Percentile				
RSE Column Factor:	1.2	1.0	1.3				1.1	1.0	0.6	
Cooling Energy Source										
Natural Gas	1,729	86.0	54.8	43.9	63.9	91.0	7.1	0.35	4.09	17.41
Other Excluding Natural Gas	785	48.0	35.6	17.7	36.5	75.7	3.7	0.23	4.76	5.06
Buildings without Cooling	458	52.2	63.2	22.1	47.8	81.3	2.4	0.27	5.22	10.15
Water-Heating Energy Source										
Natural Gas	935	59.3	45.3	22.0	45.4	88.0	4.3	0.28	4.65	5.37
Other Excluding Natural Gas	568	31.1	21.7	13.2	28.4	51.9	2.9	0.16	5.08	6.89
Buildings without Water Heating	239	35.5	49.2	13.0	24.5	58.4	1.3	0.20	5.57	13.18
Cooking Energy Source										
Natural Gas	1,740	59.1	38.9	28.0	66.2	135.4	7.8	0.26	4.48	6.08
Other Excluding Natural Gas	1,687	61.1	38.9	17.7	42.6	93.5	7.2	0.26	4.26	12.11
Buildings without Cooking	490	42.6	36.6	17.2	33.9	66.2	2.5	0.22	5.08	6.45
Percent of Floorspace Heated										
Not Heated	Q	Q	Q	1.0	7.7	227.2	Q	Q	Q	99.99
1 to 50	314	22.6	33.7	10.5	25.0	55.6	1.8	0.13	5.59	11.34
51 to 99	626	44.0	36.3	15.2	38.3	65.6	3.3	0.24	5.34	15.00
100	873	54.6	38.2	19.9	42.2	82.9	4.0	0.25	4.61	4.55
Annual Consumption (hundred cubic feet)										
1,000 or Less	53	8.8	6.9	5.9	13.9	27.4	0.4	0.07	7.98	7.02
1,001 to 5,000	238	26.4	24.2	25.1	42.1	76.9	1.4	0.16	5.91	4.02
5,001 to 10,000	733	41.3	33.7	35.4	67.5	140.0	3.9	0.22	5.33	4.45
10,001 to 25,000	1,462	47.8	34.9	47.2	76.6	155.0	8.0	0.26	5.47	4.83
25,001 to 50,000	3,354	61.6	39.1	53.0	90.3	188.0	17.2	0.32	5.14	4.93
50,001 to 100,000	6,663	82.4	52.5	64.2	196.7	563.2	28.6	0.35	4.30	11.37
Over 100,000	26,536	119.6	78.9	83.1	130.6	196.9	88.7	0.40	3.34	8.22
Gas Transported for the Account of Others										
Used in Building	9,348	140.0	95.6	38.2	98.4	232.6	30.0	0.45	3.21	21.68
Not Used in Building	653	44.3	33.9	18.4	39.1	76.4	3.3	0.22	5.05	4.60

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.

Table 27. Fuel Oil Consumption and Expenditure Intensities, 1995

Building Characteristics	Fuel Oil Consumption			Fuel Oil Expenditures			RSE Row Factor
	per Building (gallons)	per Square Foot (gallons)	per Worker (gallons)	per Building (thousand dollars)	per Square Foot (dollars)	per Gallon (dollars)	
RSE Column Factor:	1.2	1.2	1.5	1.1	1.2	0.3	
All Buildings	2,776	0.12	73.4	1.9	0.08	0.70	8.08
Building Floorspace (square feet)							
1,001 to 5,000	962	0.34	197.0	0.8	0.29	0.86	10.42
5,001 to 10,000	1,997	0.28	269.6	1.6	0.23	0.80	15.12
10,001 to 25,000	3,497	0.23	294.5	2.6	0.17	0.74	20.14
25,001 to 50,000	6,531	0.17	111.7	4.2	0.11	0.64	11.20
50,001 to 100,000	8,091	0.11	82.5	5.1	0.07	0.63	18.24
100,001 to 200,000	10,563	0.07	45.4	6.1	0.04	0.57	17.88
200,001 to 500,000	17,920	0.06	33.3	9.9	0.03	0.55	25.23
Over 500,000	27,650	0.03	15.4	15.7	0.02	0.57	19.86
Principal Building Activity							
Education	10,954	0.17	183.2	6.7	0.11	0.61	17.25
Food Sales	Q	Q	Q	Q	Q	Q	99.99
Food Service	Q	Q	Q	Q	Q	Q	99.99
Health Care	Q	0.10	50.2	Q	0.06	0.62	17.82
Lodging	Q	Q	Q	Q	Q	0.65	10.36
Mercantile and Service	1,583	0.14	122.5	1.2	0.10	0.75	16.66
Office	2,113	0.06	20.3	1.6	0.04	0.76	18.43
Public Assembly	1,844	0.09	114.7	1.4	0.07	0.76	20.69
Public Order and Safety	2,875	0.22	128.0	2.1	Q	0.74	14.88
Religious Worship	2,172	0.21	465.5	1.7	0.16	0.76	14.25
Warehouse and Storage	1,925	0.09	100.3	1.5	0.07	0.76	24.09
Other	Q	Q	Q	Q	Q	0.63	23.13
Vacant	Q	0.16	Q	Q	0.10	0.67	37.42
Year Constructed							
1919 or Before	2,690	0.17	168.2	1.8	0.12	0.68	20.35
1920 to 1945	3,536	0.23	219.8	2.4	0.15	0.67	15.86
1946 to 1959	2,739	0.20	142.1	2.1	0.15	0.75	12.68
1960 to 1969	3,192	0.13	82.4	2.2	0.09	0.68	17.03
1970 to 1979	3,372	0.07	39.0	2.2	0.05	0.66	16.66
1980 to 1989	1,665	0.05	24.7	1.2	0.04	0.72	23.30
1990 to 1992	Q	0.03	22.4	Q	0.02	0.70	33.68
1993 to 1995	2,445	0.10	86.6	1.6	0.07	0.67	23.31
Census Region and Division							
Northeast	4,259	0.22	180.1	2.9	0.15	0.68	8.05
New England	5,335	0.28	284.0	3.5	0.19	0.66	10.06
Middle Atlantic	3,608	0.19	135.7	2.5	0.13	0.70	10.84
Midwest	1,191	0.04	25.7	0.9	0.03	0.73	24.32
East North Central	1,406	0.05	Q	1.0	0.04	0.73	32.95
West North Central	837	0.03	Q	0.6	Q	0.73	28.30
South	1,652	0.08	44.4	1.2	0.06	0.74	17.51
South Atlantic	2,135	0.10	56.6	1.6	0.07	0.73	18.22
East South Central	869	0.06	Q	0.7	0.05	0.84	27.70
West South Central	Q	Q	Q	Q	Q	0.65	54.01
West	1,417	0.02	10.4	1.0	0.02	0.71	31.68
Mountain	813	Q	Q	0.7	Q	0.80	14.99
Pacific	Q	0.02	Q	Q	0.02	0.69	44.40
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	3,342	0.20	151.6	2.2	0.13	0.66	14.96
5,500-7,000 HDD	3,348	0.13	93.6	2.3	0.09	0.70	14.43
4,000-5,499 HDD	2,796	0.14	89.5	2.0	0.10	0.71	12.86
Fewer than 4,000 HDD	Q	Q	Q	Q	0.02	0.74	42.92
More than 2,000 CDD and --							
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	0.78	68.74

See footnotes at end of table.

Table 27. Fuel Oil Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	Fuel Oil Consumption			Fuel Oil Expenditures			RSE Row Factor
	per Building (gallons)	per Square Foot (gallons)	per Worker (gallons)	per Building (thousand dollars)	per Square Foot (dollars)	per Gallon (dollars)	
RSE Column Factor:	1.2	1.2	1.5	1.1	1.2	0.3	
Workers (main shift)							
Fewer than 5	1,312	0.25	643.4	1.0	0.20	0.80	11.25
5 to 9	1,991	0.20	327.1	1.6	0.16	0.82	27.20
10 to 19	2,506	0.27	199.0	1.9	0.20	0.76	12.86
20 to 49	5,230	0.19	175.5	3.5	0.13	0.67	15.20
50 to 99	9,398	0.12	141.3	5.3	0.07	0.57	18.50
100 to 249	10,114	0.09	73.0	6.0	0.05	0.60	17.19
250 or More	10,983	0.03	13.3	6.4	0.02	0.59	17.25
Weekly Operating Hours							
39 or Fewer	1,257	0.21	167.9	1.0	0.16	0.77	18.99
40 to 48	1,868	0.15	116.6	1.4	0.12	0.75	15.42
49 to 60	3,045	0.15	77.2	2.2	0.11	0.72	16.11
61 to 84	3,967	0.10	72.5	2.7	0.07	0.69	17.95
85 to 167	3,907	0.11	110.0	2.5	0.07	0.63	21.40
Open Continuously	4,723	0.08	42.9	3.1	0.05	0.65	15.42
Ownership and Occupancy							
Nongovernment Owned	2,337	0.11	67.5	1.7	0.08	0.73	9.34
Owner Occupied	2,367	0.11	69.8	1.7	0.08	0.73	9.51
Nonowner Occupied	2,052	0.10	49.2	1.4	0.07	0.70	21.55
Unoccupied	Q	Q	Q	Q	Q	Q	99.99
Government Owned	5,043	0.13	92.7	3.2	0.08	0.63	14.21
Space in Building Vacant for at Least Three Consecutive Months							
Yes	2,646	0.05	24.9	1.8	0.03	0.68	15.27
No	2,798	0.15	106.8	2.0	0.10	0.70	8.37
Energy Sources (more than one may apply)							
Electricity	2,818	0.12	73.3	2.0	0.08	0.70	8.63
Natural Gas	3,982	0.07	40.2	2.6	0.04	0.64	14.70
Fuel Oil	2,776	0.12	73.4	1.9	0.08	0.70	8.08
District Heat	Q	0.03	15.7	1.9	0.02	0.61	37.77
District Chilled Water	1,300	0.02	7.6	0.8	0.01	0.65	34.34
Propane	3,232	0.28	242.3	2.2	0.19	0.70	10.03
Other	1,498	0.12	93.9	1.1	0.09	0.74	30.63
Energy End Uses (more than one may apply)							
Buildings with Space Heating	2,764	0.12	74.1	1.9	0.08	0.70	8.10
Buildings with Cooling	3,306	0.10	59.3	2.3	0.07	0.68	11.46
Buildings with Water Heating	3,150	0.11	71.1	2.2	0.08	0.69	8.41
Buildings with Cooking	6,160	0.09	53.7	4.0	0.06	0.64	13.15
Buildings with Manufacturing	Q	0.15	70.3	Q	0.09	0.62	26.93
Buildings with Electricity Generation	4,211	0.06	32.1	2.7	0.04	0.64	15.66
Space-Heating Energy Source							
Fuel Oil	3,126	0.24	192.0	2.2	0.17	0.70	7.52
Fuel Oil Main	3,207	0.33	347.3	2.2	0.23	0.70	7.28
Fuel Oil Secondary	2,579	0.07	40.4	1.7	0.05	0.67	18.94
Other Excluding Fuel Oil	987	0.01	7.0	0.7	0.01	0.70	18.24
Buildings without Space Heating	Q	Q	Q	Q	Q	Q	99.99
Primary Space-Heating Energy Source							
Electricity	1,807	0.03	11.9	1.2	0.02	0.68	28.51
Natural Gas	1,306	0.02	12.0	0.9	0.01	0.67	16.06
Fuel Oil	3,207	0.33	347.3	2.2	0.23	0.70	7.28
District Heat	2,609	0.03	13.7	1.6	0.02	0.62	30.75
Propane	Q	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	Q	99.99

See footnotes at end of table.

Table 27. Fuel Oil Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	Fuel Oil Consumption			Fuel Oil Expenditures			RSE Row Factor
	per Building (gallons)	per Square Foot (gallons)	per Worker (gallons)	per Building (thousand dollars)	per Square Foot (dollars)	per Gallon (dollars)	
RSE Column Factor:	1.2	1.2	1.5	1.1	1.2	0.3	
Cooling Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	Q
Other Excluding Fuel Oil	3,323	0.10	59.4	2.3	0.07	0.68	11.32
Buildings without Cooling	1,837	0.27	299.9	1.4	0.20	0.74	10.28
Water-Heating Energy Source							
Fuel Oil	6,676	0.37	347.5	4.4	0.25	0.67	11.49
Other Excluding Fuel Oil	2,046	0.07	39.2	1.5	0.05	0.72	9.56
Buildings without Water Heating	950	0.21	Q	0.8	0.17	0.81	22.65
Cooking Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	Q
Other Excluding Fuel Oil	6,055	0.09	52.8	3.9	0.06	0.65	13.16
Buildings without Cooking	1,928	0.15	103.9	1.4	0.11	0.74	10.35
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	99.99
1 to 50	1,036	0.10	158.7	0.8	0.08	0.82	24.20
51 to 99	3,407	0.11	75.0	2.4	0.08	0.71	20.15
100	3,008	0.12	71.0	2.1	0.08	0.68	9.41
Annual Consumption (gallons)							
1,000 or less	366	0.02	8.9	0.3	0.01	0.93	15.77
1,001 to 5,000	2,240	0.18	106.2	1.8	0.14	0.80	8.61
5,001 to 10,000	6,988	0.19	166.1	5.2	0.14	0.75	7.43
10,001 to 25,000	15,225	0.29	289.3	9.6	0.19	0.63	6.38
Over 25,000	61,226	0.34	226.7	35.3	0.20	0.58	12.08

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.

Table 31. District Heat Consumption and Expenditure Intensities, 1995

Building Characteristics	District Heat Consumption			District Heat Expenditures			RSE Row Factor
	per Building (thousand pounds)	per Square Foot (pounds)	per Worker (thousand pounds)	per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Pound (dollars)	
RSE Column Factor:	1.2	0.9	1.2	1.2	0.8	0.7	
All Buildings	4,849	94.14	51.2	28.3	0.55	5.83	18.62
Building Floorspace (square feet)							
1,001 to 5,000	Q	Q	Q	Q	Q	Q	99.99
5,001 to 10,000	Q	Q	Q	Q	Q	Q	99.99
10,001 to 25,000	1,559	103.56	68.1	7.1	0.47	4.55	34.66
25,001 to 50,000	3,145	84.62	58.9	21.8	0.59	6.94	24.05
50,001 to 100,000	5,731	81.02	41.0	38.0	0.54	6.63	26.37
100,001 to 200,000	10,585	75.38	43.3	66.5	0.47	6.29	16.49
200,001 to 500,000	23,667	77.72	53.4	140.1	0.46	5.92	16.48
Over 500,000	63,104	68.71	29.2	354.1	0.39	5.61	19.45
Principal Building Activity							
Education	2,545	84.51	42.6	16.6	0.55	6.54	29.35
Food Sales	Q	Q	Q	Q	Q	Q	99.99
Food Service	Q	Q	Q	Q	Q	Q	99.99
Health Care	15,690	109.51	65.0	95.8	0.67	6.11	23.15
Lodging	Q	92.63	82.0	Q	0.47	5.10	25.06
Mercantile and Service	Q	Q	Q	Q	Q	Q	99.99
Office	3,770	49.28	15.8	26.2	0.34	6.94	20.60
Public Assembly	13,121	Q	Q	67.6	Q	5.15	18.93
Public Order and Safety	Q	Q	Q	Q	Q	Q	99.99
Religious Worship	Q	Q	Q	Q	Q	Q	99.99
Warehouse and Storage	Q	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	Q	99.99
Vacant	Q	Q	Q	Q	Q	Q	99.99
Year Constructed							
1919 or Before	1,432	55.73	32.3	11.0	0.43	7.69	32.30
1920 to 1945	4,191	98.36	39.5	24.4	0.57	5.82	31.58
1946 to 1959	4,231	60.24	40.0	24.5	0.35	5.79	18.83
1960 to 1969	5,308	88.27	45.2	30.8	0.51	5.81	27.04
1970 to 1979	5,917	92.42	53.4	35.3	0.55	5.96	15.50
1980 to 1989	Q	Q	Q	74.1	Q	Q	20.75
1990 to 1992	Q	Q	Q	Q	Q	Q	99.99
1993 to 1995	Q	Q	Q	Q	Q	Q	99.99
Census Region and Division							
Northeast	5,558	76.31	34.1	35.5	0.49	6.39	22.19
New England	10,507	100.91	40.7	60.4	0.58	5.74	22.12
Middle Atlantic	5,073	72.71	33.0	33.1	0.47	6.53	26.25
Midwest	4,960	91.17	64.9	31.4	0.58	6.34	18.04
East North Central	6,149	93.69	89.3	36.6	0.56	5.95	22.78
West North Central	3,624	86.73	42.6	25.7	0.61	7.09	22.03
South	2,588	80.25	48.0	12.5	0.39	4.83	21.73
South Atlantic	5,471	139.92	74.3	23.1	0.59	4.23	26.13
East South Central	Q	Q	Q	Q	Q	Q	99.99
West South Central	Q	Q	Q	Q	Q	Q	99.99
West	7,651	Q	Q	40.1	Q	5.24	35.14
Mountain	15,565	Q	Q	Q	Q	4.49	33.82
Pacific	3,646	70.65	29.2	Q	Q	6.86	99.99
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	9,925	110.09	47.6	61.6	0.68	6.21	23.34
5,500-7,000 HDD	8,724	134.98	112.6	48.6	0.75	5.57	26.64
4,000-5,499 HDD	3,511	67.32	30.4	22.8	0.44	6.48	24.63
Fewer than 4,000 HDD	5,241	93.65	36.4	29.7	0.53	5.67	31.23
More than 2,000 CDD and --							
Fewer than 4,000 HDD	1,676	Q	Q	8.1	0.30	Q	30.10

See footnotes at end of table.

Table 31. District Heat Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	District Heat Consumption			District Heat Expenditures			RSE Row Factor
	per Building (thousand pounds)	per Square Foot (pounds)	per Worker (thousand pounds)	per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Pound (dollars)	
RSE Column Factor:	1.2	0.9	1.2	1.2	0.8	0.7	
Workers (main shift)							
Fewer than 5	Q	Q	Q	Q	Q	Q	99.99
5 to 9	Q	Q	Q	Q	Q	Q	99.99
10 to 19	Q	Q	Q	Q	Q	Q	99.99
20 to 49	4,015	106.84	143.0	23.8	0.63	5.93	24.36
50 to 99	4,429	103.56	69.2	26.7	0.62	6.02	23.62
100 to 249	8,144	74.51	53.1	48.2	0.44	5.92	13.58
250 or More	20,234	74.62	25.1	121.1	0.45	5.98	16.61
Weekly Operating Hours							
39 or Fewer	Q	Q	Q	Q	Q	Q	99.99
40 to 48	2,942	Q	63.4	16.2	0.50	Q	35.94
49 to 60	3,565	83.27	32.5	21.6	0.50	6.05	22.63
61 to 84	3,692	70.74	38.4	24.7	0.47	6.68	23.49
85 to 167	12,091	Q	Q	61.9	Q	5.12	12.98
Open Continuously	6,357	87.69	47.8	38.0	0.52	5.97	17.48
Ownership and Occupancy							
Nongovernment Owned	5,936	105.65	55.0	34.9	0.62	5.87	26.66
Owner Occupied	6,475	114.17	65.0	37.4	0.66	5.78	27.59
Nonowner Occupied	Q	Q	Q	Q	Q	Q	99.99
Unoccupied	Q	Q	Q	Q	Q	Q	99.99
Government Owned	3,952	82.95	47.1	22.8	0.48	5.77	18.74
Space in Building Vacant for at Least Three Consecutive Months							
Yes	4,582	53.43	21.0	30.2	0.35	6.59	18.43
No	4,902	109.80	70.0	27.9	0.62	5.68	21.56
Energy Sources (more than one may apply)							
Electricity	4,844	94.22	51.2	28.2	0.55	5.83	15.81
Natural Gas	6,543	83.01	39.6	43.0	0.54	6.56	19.32
Fuel Oil	8,229	74.76	41.0	54.1	0.49	6.58	14.12
District Heat	4,849	94.14	51.2	28.3	0.55	5.83	19.73
District Chilled Water	5,366	116.82	68.0	29.9	0.65	5.57	26.74
Propane	Q	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	Q	99.99
Energy End Uses (more than one may apply)							
Buildings with Space Heating	4,865	94.38	51.1	28.3	0.55	5.83	18.62
Buildings with Cooling	5,111	95.11	49.9	29.7	0.55	5.81	19.88
Buildings with Water Heating	5,176	91.35	49.4	30.0	0.53	5.80	19.00
Buildings with Cooking	10,446	89.33	40.3	62.7	0.54	6.00	16.19
Buildings with Manufacturing	Q	Q	Q	Q	Q	Q	99.99
Buildings with Electricity Generation	8,902	77.10	43.8	61.8	0.54	6.94	16.33
Space-Heating Energy Source							
District Heat	4,855	94.55	51.1	28.2	0.55	5.82	18.76
District Heat Main	4,731	95.98	51.4	27.8	0.56	5.88	19.05
District Heat Secondary	Q	Q	Q	Q	Q	Q	99.99
Other Excluding District Heat	Q	Q	Q	Q	Q	Q	99.99
Buildings without Space Heating	Q	Q	Q	Q	Q	Q	99.99

See footnotes at end of table.

Table 31. District Heat Consumption and Expenditure Intensities, 1995 (Continued)

Building Characteristics	District Heat Consumption			District Heat Expenditures			RSE Row Factor
	per Building (thousand pounds)	per Square Foot (pounds)	per Worker (thousand pounds)	per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Pound (dollars)	
RSE Column Factor:	1.2	0.9	1.2	1.2	0.8	0.7	
Primary Space-Heating Energy Source							
Electricity	Q	Q	Q	Q	Q	Q	99.99
Natural Gas	Q	Q	Q	Q	Q	Q	99.99
Fuel Oil	Q	Q	Q	Q	Q	Q	99.99
District Heat	4,731	95.98	51.4	27.8	0.56	5.88	19.05
Propane	Q	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Source							
District Heat	Q	Q	Q	Q	Q	Q	99.99
Other Excluding District Heat	4,790	98.34	52.3	27.4	0.56	5.72	21.84
Buildings without Cooling	3,115	84.74	Q	18.6	0.51	5.99	29.64
Water-Heating Energy Source							
District Heat	7,586	102.89	56.9	42.6	0.58	5.61	20.14
Other Excluding District Heat	2,115	60.46	30.9	14.1	0.40	6.67	20.69
Buildings without Water Heating	Q	Q	Q	Q	Q	Q	99.99
Cooking Energy Source							
District Heat	14,172	128.80	66.3	90.0	0.82	6.35	23.34
Other Excluding District Heat	8,776	73.11	31.4	50.4	0.42	5.75	22.19
Buildings without Cooking	3,798	96.84	59.4	21.8	0.56	5.74	24.28
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	99.99
1 to 50	Q	Q	Q	Q	Q	Q	99.99
51 to 99	5,766	54.84	34.3	40.0	0.38	6.94	22.73
100	4,813	101.13	53.2	27.6	0.58	5.73	20.39

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.