

Energy Consumption & Expenditures

Total Consumption Tables (16 pages, 92 kb)

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<p>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.</p> <p>Data provided here are in the public domain and may be reproduced without permission. appropriate credit would be appreciated. A suggested citation is "U.S. Department of Energy, Energy Information Administration, "A Look at Commercial Buildings in 1995: Characteristics, Energy Consumption, and Energy Expenditures."</p> <p>Electronic Products and Services</p> <p>Users can view and download selected pages, sections, or entire reports, search for information, download data and analysis applications, and find out about new information products and services.</p> <p>Contact: Martha Johnson, Survey Manager (martha.johnson@eia.doe.gov)</p> <p>World Wide Web: http://www.eia.doe.gov/emeu/consumption</p>	

Table 1. Total Energy Consumption by Major Fuel, 1995

Building Characteristics	All Buildings		Total Energy Consumption (trillion Btu)					Primary Electricity (trillion Btu)	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat		
RSE Column Factor:	0.7	0.6	0.8	0.8	1.0	1.9	2.5	0.8	
All Buildings	4,579	58,772	5,321	2,608	1,946	235	533	7,873	5.74
Building Floorspace (square feet)									
1,001 to 5,000	2,399	6,338	708	380	264	44	Q	1,148	9.50
5,001 to 10,000	1,035	7,530	624	238	272	26	Q	718	14.90
10,001 to 25,000	745	11,617	824	384	356	45	38	1,161	12.29
25,001 to 50,000	213	7,676	630	316	231	28	55	954	9.79
50,001 to 100,000	115	7,968	698	363	243	31	60	1,097	10.41
100,001 to 200,000	48	6,776	687	337	244	21	84	1,017	11.84
200,001 to 500,000	19	5,553	636	307	211	25	94	927	13.65
Over 500,000	6	5,313	514	282	125	14	93	852	14.56
Principal Building Activity									
Education	309	7,740	614	221	245	57	91	666	10.34
Food Sales	137	642	137	119	18	Q	Q	358	20.58
Food Service	285	1,353	332	166	158	Q	Q	502	20.94
Health Care	105	2,333	561	211	258	21	70	637	13.78
Lodging	158	3,618	461	187	213	Q	57	565	13.83
Mercantile and Service	1,289	12,728	973	508	395	49	Q	1,533	12.33
Office	705	10,478	1,019	676	239	28	75	2,039	11.11
Public Assembly	326	3,948	449	170	142	14	Q	514	17.28
Public Order and Safety	87	1,271	124	49	33	Q	Q	148	30.10
Religious Worship	269	2,792	104	33	57	13	Q	99	13.80
Warehouse and Storage	580	8,481	325	176	106	10	Q	531	16.23
Other	67	1,004	173	75	55	Q	Q	228	32.41
Vacant	261	2,384	51	18	26	5	Q	54	25.95
Year Constructed									
1919 or Before	353	3,673	292	99	135	26	31	300	17.69
1920 to 1945	562	6,710	508	173	210	40	85	523	13.02
1946 to 1959	867	9,298	826	325	391	54	57	980	13.05
1960 to 1969	718	10,858	1,024	472	375	53	124	1,424	10.20
1970 to 1979	813	11,333	1,125	615	393	28	89	1,856	9.79
1980 to 1989	846	12,252	1,059	648	288	23	Q	1,955	10.82
1990 to 1992	218	2,590	297	163	100	2	Q	492	20.61
1993 to 1995	202	2,059	190	113	54	8	Q	343	21.77
Floors									
One	3,018	24,552	1,846	980	654	78	Q	2,958	8.58
Two	1,002	14,122	1,122	549	481	54	38	1,656	10.13
Three	399	7,335	675	283	284	43	65	853	12.15
Four to Nine	148	8,789	1,229	552	411	49	217	1,667	11.39
Ten or More	12	3,975	451	244	117	11	79	738	14.00
Census Region and Division									
Northeast	725	11,883	1,035	436	297	168	135	1,317	10.17
New England	204	3,140	274	99	74	79	23	297	16.09
Middle Atlantic	521	8,743	761	338	223	88	112	1,020	12.10
Midwest	1,139	14,322	1,497	558	750	16	173	1,684	11.18
East North Central	739	9,655	987	356	505	Q	114	1,074	11.65
West North Central	401	4,668	510	202	244	4	60	610	20.49
South	1,750	20,830	1,684	1,027	528	45	83	3,101	10.43
South Atlantic	676	9,475	772	487	197	37	Q	1,471	13.96
East South Central	477	4,917	417	238	164	Q	Q	718	18.42
West South Central	597	6,438	494	302	167	Q	Q	911	13.93
West	964	11,736	1,106	587	371	7	Q	1,772	13.72
Mountain	319	3,855	429	182	150	Q	Q	549	24.32
Pacific	646	7,881	677	405	221	Q	Q	1,223	13.82

See footnotes at end of table.

Table 1. Total Energy Consumption by Major Fuel, 1995 (Continued)

Building Characteristics	All Buildings		Total Energy Consumption (trillion Btu)					Primary Electricity (trillion Btu)	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat		
RSE Column Factor:	0.7	0.6	0.8	0.8	1.0	1.9	2.5	0.8	
Climate Zone: 45-Year Average									
Fewer than 2,000 CDD and --									
More than 7,000 HDD	493	5,098	499	178	240	51	29	539	17.43
5,500-7,000 HDD	975	14,597	1,591	571	692	69	259	1,725	11.14
4,000-5,499 HDD	1,070	15,155	1,407	700	452	101	154	2,112	13.53
Fewer than 4,000 HDD	1,103	13,491	1,078	648	372	Q	Q	1,955	14.28
More than 2,000 CDD and --									
Fewer than 4,000 HDD	937	10,430	746	511	191	5	Q	1,543	16.34
Workers (main shift)									
Fewer than 5	2,505	13,885	789	327	298	59	Q	988	10.50
5 to 9	798	6,291	509	224	244	22	Q	676	14.70
10 to 19	625	7,102	614	293	269	33	Q	884	14.71
20 to 49	400	9,132	868	422	343	38	66	1,273	9.77
50 to 99	138	6,931	630	310	218	28	74	935	10.74
100 to 249	71	5,988	649	333	222	28	66	1,007	12.50
250 or More	43	9,443	1,262	699	352	28	183	2,111	12.22
Weekly Operating Hours									
39 or Fewer	899	6,134	180	61	92	20	Q	185	15.33
40 to 48	1,257	13,233	879	403	365	42	69	1,217	11.51
49 to 60	969	12,242	937	497	301	58	81	1,501	12.12
61 to 84	567	10,052	796	435	279	37	44	1,313	10.99
85 to 167	420	6,202	831	435	243	24	Q	1,312	12.57
Open Continuously	466	10,908	1,698	777	665	53	203	2,345	10.17
Ownership and Occupancy									
Nongovernment Owned	4,025	46,696	3,950	2,018	1,472	166	295	6,091	6.95
Owner Occupied	3,158	35,573	3,287	1,609	1,245	150	283	4,858	7.38
Nonowner Occupied	698	9,697	647	403	218	15	Q	1,216	12.61
Unoccupied	170	1,426	16	6	Q	Q	Q	17	43.05
Government Owned	553	12,076	1,372	590	474	69	238	1,782	10.73
Federal	76	1,752	266	143	42	6	75	431	30.44
State	99	2,851	438	191	121	13	113	577	20.68
Local	379	7,473	668	256	311	51	Q	774	13.40
Space in Building Vacant for at Least Three Consecutive Months									
Yes	787	15,844	1,120	595	409	32	84	1,795	10.79
No	3,791	42,928	4,202	2,013	1,537	203	449	6,078	6.40
Energy Sources (more than one may apply)									
Electricity	4,343	57,076	5,312	2,608	1,938	234	532	7,873	5.91
Natural Gas	2,478	38,145	3,931	1,704	1,946	86	194	5,145	6.93
Fuel Oil	607	14,421	1,732	778	556	235	163	2,350	9.77
District Heat	110	5,658	1,051	364	146	9	533	1,100	20.78
District Chilled Water	53	2,521	542	188	101	2	250	567	21.78
Propane	589	5,344	392	224	90	65	Q	676	15.59
Other	213	2,336	259	83	64	13	Q	251	25.55
Energy End Uses (more than one may apply)									
Buildings with Space Heating	4,024	54,347	5,247	2,543	1,937	234	532	7,679	5.81
Buildings with Cooling	3,381	49,935	4,923	2,473	1,782	179	488	7,467	6.09
Buildings with Water Heating	3,486	51,560	5,090	2,495	1,878	222	496	7,533	5.86
Buildings with Cooking	828	20,713	2,506	1,244	975	105	181	3,757	7.13
Buildings with Manufacturing	204	3,893	307	157	111	15	Q	474	19.50
Buildings with Electricity Generation	247	13,366	1,705	859	577	81	188	2,593	9.06

See footnotes at end of table.

Table 1. Total Energy Consumption by Major Fuel, 1995 (Continued)

Building Characteristics	All Buildings		Total Energy Consumption (trillion Btu)					Primary Electricity (trillion Btu)	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat		
RSE Column Factor:	0.7	0.6	0.8	0.8	1.0	1.9	2.5	0.8	
Space-Heating Energy Sources (more than one may apply)									
Electricity	1,467	22,156	1,908	1,223	555	52	78	3,692	9.87
Natural Gas	2,211	31,535	3,095	1,334	1,685	30	47	4,026	7.45
Fuel Oil	504	6,606	722	263	205	220	Q	794	16.49
District Heat	109	5,606	1,036	361	136	9	530	1,090	15.45
Propane	301	2,025	129	92	23	Q	Q	279	26.51
Other	135	1,050	77	33	30	Q	Q	101	26.86
Primary Space-Heating Energy Source									
Electricity	1,007	13,500	1,006	810	176	10	Q	2,445	12.81
Natural Gas	2,106	28,808	2,839	1,196	1,614	15	Q	3,611	7.21
Fuel Oil	439	4,207	305	92	16	196	Q	279	17.76
District Heat	107	5,289	977	344	118	7	508	1,040	15.96
Propane	260	1,545	71	65	Q	Q	Q	197	31.76
Other	61	514	16	11	Q	Q	Q	34	40.97
Cooling Energy Sources (more than one may apply)									
Electricity	3,293	47,761	4,532	2,344	1,703	176	309	7,077	5.88
Natural Gas	65	1,314	220	82	116	5	Q	247	30.00
District Chilled Water	53	2,521	542	188	101	2	250	567	21.78
Water-Heating Energy Sources (more than one may apply)									
Electricity	1,684	23,056	1,657	1,138	359	77	83	3,434	9.33
Natural Gas	1,577	24,859	2,769	1,160	1,513	47	49	3,502	7.65
Fuel Oil	120	2,151	203	55	29	112	Q	167	20.90
District Heat	54	3,949	762	251	99	5	406	757	16.23
Propane	110	1,020	75	61	Q	Q	Q	184	32.96
Cooking Energy Sources (more than one may apply)									
Electricity	487	12,249	1,496	830	506	48	112	2,507	9.83
Natural Gas	448	13,195	1,698	742	801	51	103	2,241	8.92
Propane	123	1,480	125	92	Q	30	Q	278	27.56
Percent of Floorspace Heated									
Not Heated	554	4,425	74	64	Q	Q	Q	194	21.27
1 to 50	555	6,227	247	145	86	13	Q	437	15.45
51 to 99	633	8,868	805	440	281	43	41	1,329	14.41
100	2,836	39,252	4,195	1,959	1,570	178	488	5,913	6.03
Percent of Floorspace Cooled									
Not Cooled	1,198	8,837	399	135	163	56	45	406	15.17
1 to 50	930	15,027	1,044	358	515	90	80	1,082	11.31
51 to 99	635	12,549	1,360	727	463	45	125	2,194	9.72
100	1,816	22,359	2,519	1,388	804	44	282	4,191	8.97
Percent Lit when Open									
Zero	36	189	Q	Q	Q	Q	Q	Q	50.54
1 to 50	666	6,008	308	125	136	33	Q	376	13.59
51 to 99	745	9,692	884	412	345	47	80	1,243	11.17
100	2,814	40,514	4,103	2,066	1,448	152	437	6,236	6.87
Building Not in Use/ Electricity Not Used	318	2,369	26	Q	Q	Q	Q	Q	29.12

See footnotes at end of table.

Table 1. Total Energy Consumption by Major Fuel, 1995 (Continued)

Building Characteristics	All Buildings		Total Energy Consumption (trillion Btu)					Primary Electricity (trillion Btu)	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat		
RSE Column Factor:	0.7	0.6	0.8	0.8	1.0	1.9	2.5	0.8	
Percent Lit when Closed									
Zero	1,644	13,101	753	340	302	47	Q	1,025	11.77
1 to 50	2,109	30,711	2,639	1,346	909	127	257	4,063	8.02
51 to 100	87	1,914	208	141	56	Q	Q	425	29.20
Never Closed	421	10,677	1,696	776	663	53	203	2,344	10.86
Building Not in Use/ Electricity Not Used	318	2,369	26	Q	Q	Q	Q	Q	34.46
Energy Conservation Features (more than one may apply)									
Any Conservation Features	4,075	55,288	5,260	2,569	1,927	232	532	7,755	5.82
Building Shell	3,906	53,190	5,135	2,512	1,883	219	520	7,584	5.99
HVAC	2,529	44,657	4,621	2,273	1,629	212	508	6,861	6.18
Lighting	2,084	38,537	4,012	2,017	1,454	167	374	6,091	6.02

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. • Site electricity is the amount of electricity delivered to commercial buildings. Primary electricity, which is not included in the "Total of Major Fuels" category, is site electricity plus the conversion losses in the electric generation process at the utility plant. • 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 9. Total Electricity Consumption and Expenditures, 1995

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	1.1	0.9	0.8	1.1	1.1	1.1	1.0	
All Buildings	4,343	57,076	13.1	7,873	2,608	764	56,621	3.71
Building Floorspace (square feet)								
1,001 to 5,000	2,252	5,953	2.6	1,148	380	111	9,696	5.97
5,001 to 10,000	970	7,061	7.3	718	238	70	6,055	7.00
10,001 to 25,000	724	11,303	15.6	1,161	384	113	8,911	5.82
25,001 to 50,000	211	7,635	36.1	954	316	93	7,005	6.05
50,001 to 100,000	114	7,902	69.2	1,097	363	107	7,194	5.81
100,001 to 200,000	47	6,599	141.2	1,017	337	99	6,283	7.14
200,001 to 500,000	19	5,550	294.8	927	307	90	5,908	9.45
Over 500,000	6	5,074	887.4	852	282	83	5,568	9.40
Principal Building Activity								
Education	309	7,685	24.9	666	221	65	5,168	7.79
Food Sales	137	642	4.7	358	119	35	2,532	13.61
Food Service	285	1,353	4.8	502	166	49	3,931	16.13
Health Care	105	2,333	22.2	637	211	62	3,901	11.36
Lodging	158	3,601	22.8	565	187	55	3,838	10.35
Mercantile and Service	1,274	12,630	9.9	1,533	508	149	11,655	7.84
Office	705	10,466	14.8	2,039	676	198	14,020	8.66
Public Assembly	326	3,929	12.1	514	170	50	3,604	12.53
Public Order and Safety	87	1,271	14.6	148	49	14	1,131	27.01
Religious Worship	269	2,792	10.4	99	33	10	953	10.15
Warehouse and Storage	477	8,016	16.8	531	176	52	3,934	12.26
Other	67	1,000	14.9	228	75	22	1,473	25.75
Vacant	144	1,358	9.4	54	18	5	481	21.74
Year Constructed								
1919 or Before	335	3,527	10.5	300	99	29	2,290	14.61
1920 to 1945	508	6,175	12.1	523	173	51	4,012	9.72
1946 to 1959	838	9,123	10.9	980	325	95	7,395	9.10
1960 to 1969	695	10,649	15.3	1,424	472	138	10,405	8.44
1970 to 1979	809	11,245	13.9	1,856	615	180	13,005	6.68
1980 to 1989	792	11,909	15.0	1,955	648	190	13,844	7.12
1990 to 1992	204	2,544	12.5	492	163	48	3,318	13.33
1993 to 1995	162	1,905	11.8	343	113	33	2,353	18.90
Census Region and Division								
Northeast	697	11,444	16.4	1,317	436	128	13,059	7.00
New England	190	3,072	16.2	297	99	29	3,082	10.91
Middle Atlantic	507	8,372	16.5	1,020	338	99	9,978	8.88
Midwest	1,074	13,887	12.9	1,684	558	163	10,946	7.83
East North Central	698	9,422	13.5	1,074	356	104	7,360	9.63
West North Central	376	4,465	11.9	610	202	59	3,586	13.58
South	1,648	20,158	12.2	3,101	1,027	301	19,009	5.93
South Atlantic	642	9,301	14.5	1,471	487	143	9,502	9.29
East South Central	438	4,674	10.7	718	238	70	3,979	10.61
West South Central	569	6,183	10.9	911	302	88	5,527	11.08
West	925	11,587	12.5	1,772	587	172	13,607	8.61
Mountain	303	3,821	12.6	549	182	53	3,390	17.40
Pacific	622	7,766	12.5	1,223	405	119	10,217	10.45
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	466	4,934	10.6	539	178	52	3,600	13.35
5,500-7,000 HDD	936	14,356	15.3	1,725	571	167	13,123	6.99
4,000-5,499 HDD	1,006	14,559	14.5	2,112	700	205	15,057	10.04
Fewer than 4,000 HDD	1,051	13,268	12.6	1,955	648	190	14,479	10.46
More than 2,000 CDD and --								
Fewer than 4,000 HDD	885	9,960	11.3	1,543	511	150	10,363	9.20

See footnotes at end of table.

Table 9. Total Electricity Consumption and Expenditures, 1995 (Continued)

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	1.1	0.9	0.8	1.1	1.1	1.1	1.0	
Workers (main shift)								
Fewer than 5	2,274	12,342	5.4	988	327	96	8,510	6.68
5 to 9	797	6,270	7.9	676	224	66	5,478	7.98
10 to 19	625	7,102	11.4	884	293	86	6,712	9.12
20 to 49	397	9,103	23.0	1,273	422	124	9,480	7.50
50 to 99	137	6,860	50.0	935	310	91	6,595	7.85
100 to 249	71	5,975	84.5	1,007	333	98	6,668	9.14
250 or More	43	9,425	220.0	2,111	699	205	13,177	12.06
Weekly Operating Hours								
39 or Fewer	746	4,932	6.6	185	61	18	1,728	10.61
40 to 48	1,254	13,142	10.5	1,217	403	118	9,435	6.51
49 to 60	950	12,134	12.8	1,501	497	146	10,912	8.64
61 to 84	566	10,021	17.7	1,313	435	127	9,807	7.77
85 to 167	407	6,159	15.1	1,312	435	127	9,608	8.42
Open Continuously	421	10,688	25.4	2,345	777	228	15,131	7.75
Ownership and Occupancy								
Nongovernment Owned	3,810	45,225	11.9	6,091	2,018	591	44,825	4.07
Owner Occupied	3,062	35,111	11.5	4,858	1,609	472	34,878	4.22
Nonowner Occupied	669	9,518	14.2	1,216	403	118	9,768	8.52
Unoccupied	79	596	7.6	17	6	2	179	35.71
Government Owned	533	11,851	22.2	1,782	590	173	11,796	9.14
Space in Building Vacant for at Least Three Consecutive Months								
Yes	646	14,630	22.6	1,795	595	174	12,715	8.33
No	3,697	42,446	11.5	6,078	2,013	590	43,906	4.17
Energy Sources (more than one may apply)								
Electricity	4,343	57,076	13.1	7,873	2,608	764	56,621	3.71
Natural Gas	2,476	38,009	15.4	5,145	1,704	500	37,320	4.62
Fuel Oil	595	14,345	24.1	2,350	778	228	15,850	8.92
District Heat	110	5,646	51.4	1,100	364	107	6,957	18.97
District Chilled Water	53	2,517	47.7	567	188	55	3,344	17.74
Propane	589	5,340	9.1	676	224	66	5,323	12.00
Other	206	2,232	10.8	251	83	24	1,878	18.00
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,004	54,110	13.5	7,679	2,543	745	54,844	3.86
Buildings with Cooling	3,376	49,785	14.7	7,467	2,473	725	53,201	3.95
Buildings with Water Heating	3,472	51,363	14.8	7,533	2,495	731	53,846	3.99
Buildings with Cooking	827	20,611	24.9	3,757	1,244	365	25,825	5.46
Buildings with Manufacturing	204	3,885	19.0	474	157	46	3,252	15.88
Buildings with Electricity Generation	246	13,347	54.2	2,593	859	252	16,911	8.07
Space-Heating Energy Source								
Electricity	1,467	22,156	15.1	3,692	1,223	358	25,058	6.19
Electricity Main	1,007	13,500	13.4	2,445	810	237	16,279	7.77
Electricity Secondary	461	8,655	18.8	1,246	413	121	8,779	8.99
Other Excluding Electricity	2,536	31,955	12.6	3,987	1,321	387	29,786	4.28
Buildings without Space Heating	340	2,966	8.7	194	64	19	1,777	16.94
Primary Space-Heating Energy Source								
Electricity	1,007	13,500	13.4	2,445	810	237	16,279	7.77
Natural Gas	2,105	28,686	13.6	3,611	1,196	351	26,667	4.95
Fuel Oil	427	4,152	9.7	279	92	27	2,827	12.77
District Heat	107	5,277	49.2	1,040	344	101	6,573	13.49
Propane	259	1,541	5.9	197	65	19	1,738	21.76
Other	55	477	8.7	34	11	3	248	31.58

See footnotes at end of table.

Table 9. Total Electricity Consumption and Expenditures, 1995 (Continued)

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	1.1	0.9	0.8	1.1	1.1	1.1	1.0	
Cooling Energy Source								
Electricity	3,293	47,761	14.5	7,077	2,344	687	50,797	3.98
Other Excluding Electricity	84	2,023	24.2	390	129	38	2,404	20.82
Buildings without Cooling	967	7,291	7.5	406	135	39	3,421	13.58
Water-Heating Energy Source								
Electricity	1,684	23,056	13.7	3,434	1,138	333	24,101	6.34
Other Excluding Electricity	1,788	28,307	15.8	4,098	1,358	398	29,745	4.72
Buildings without Water Heating	871	5,713	6.6	341	113	33	2,775	10.14
Cooking Energy Source								
Electricity	487	12,249	25.2	2,507	830	243	16,338	7.52
Other Excluding Electricity	340	8,362	24.6	1,250	414	121	9,487	8.68
Buildings without Cooking	3,517	36,465	10.4	4,116	1,363	400	30,797	4.49
Percent of Floorspace Heated								
Not Heated	340	2,966	8.7	194	64	19	1,777	16.94
1 to 50	542	6,152	11.3	437	145	42	3,456	11.69
51 to 99	630	8,859	14.1	1,329	440	129	9,760	9.14
100	2,831	39,099	13.8	5,913	1,959	574	41,628	3.70
Percent of Floorspace Cooled								
Not Cooled	967	7,291	7.5	406	135	39	3,421	13.58
1 to 50	926	14,917	16.1	1,082	358	105	8,642	7.35
51 to 99	635	12,536	19.7	2,194	727	213	15,196	7.48
100	1,816	22,331	12.3	4,191	1,388	407	29,363	5.11
Percent Lit when Open								
Zero	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	666	6,008	9.0	376	125	37	3,274	11.80
51 to 99	745	9,692	13.0	1,243	412	121	9,346	8.41
100	2,814	40,514	14.4	6,236	2,066	605	43,826	4.65
Building Not in Use/ Electricity Not Used	82	673	8.2	Q	Q	Q	149	29.01
Percent Lit when Closed								
Zero	1,644	13,101	8.0	1,025	340	100	8,176	8.44
1 to 50	2,109	30,711	14.6	4,063	1,346	394	30,461	4.80
51 to 100	87	1,914	22.0	425	141	41	2,715	22.37
Never Closed	421	10,677	25.4	2,344	776	228	15,121	7.76
Building Not in Use/ Electricity Not Used	82	673	8.2	Q	Q	Q	149	29.01
Annual Consumption (kilowatthours)								
10,000 or Less	827	3,059	3.7	42	14	4	475	8.62
10,001 to 50,000	1,629	9,697	6.0	432	143	42	4,263	6.71
50,001 to 100,000	742	6,876	9.3	541	179	53	4,957	8.97
100,001 to 500,000	904	14,815	16.4	1,996	661	194	15,890	5.70
500,001 to 1,000,000	125	5,702	45.5	903	299	88	6,405	8.79
1,000,001 to 5,000,000	98	10,178	103.8	2,054	680	199	13,237	7.04
Over 5,000,000	17	6,748	408.9	1,906	631	185	11,395	10.54

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. • Site electricity is the amount of electricity delivered to commercial buildings. Primary electricity, which is not included in the "Total of Major Fuels" category, is site electricity plus the conversion losses in the electric generation process at the utility plant. • 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 20. Total Natural Gas Consumption and Expenditures, 1995

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	1.1	0.9	0.7	1.1	1.1	1.2	
RSE Column Factor:							
All Buildings	2,478	38,145	15.4	1,946	1,895	9,018	4.80
Building Floorspace (square feet)							
1,001 to 5,000	1,112	2,942	2.6	264	257	1,483	8.13
5,001 to 10,000	614	4,497	7.3	272	264	1,439	10.91
10,001 to 25,000	474	7,561	16.0	356	347	1,775	9.22
25,001 to 50,000	146	5,242	36.0	231	225	1,159	6.43
50,001 to 100,000	82	5,608	68.8	243	237	1,091	6.52
100,001 to 200,000	33	4,643	139.2	244	238	958	8.60
200,001 to 500,000	13	3,941	295.6	211	205	729	9.07
Over 500,000	4	3,712	882.3	125	122	385	10.92
Principal Building Activity							
Education	204	5,800	28.4	245	239	1,117	9.64
Food Sales	58	401	6.9	18	17	97	27.14
Food Service	184	1,001	5.4	158	154	851	17.04
Health Care	51	1,759	34.3	258	252	838	16.54
Lodging	110	2,828	25.7	213	207	966	13.17
Mercantile and Service	792	8,520	10.8	395	385	1,979	11.50
Office	438	6,521	14.9	239	233	1,150	10.24
Public Assembly	189	2,662	14.1	142	138	675	14.12
Public Order and Safety	37	746	20.4	33	32	167	21.31
Religious Worship	159	2,001	12.5	57	56	303	13.93
Warehouse and Storage	173	4,595	26.5	106	103	559	13.64
Other	21	654	30.8	55	54	197	32.26
Vacant	61	658	10.8	26	26	119	37.29
Year Constructed							
1919 or Before	256	2,643	10.3	135	132	655	13.19
1920 to 1945	353	4,560	12.9	210	205	966	12.05
1946 to 1959	528	6,470	12.3	391	381	1,796	13.00
1960 to 1969	403	7,170	17.8	375	365	1,750	9.95
1970 to 1979	444	7,375	16.6	393	382	1,695	11.07
1980 to 1989	357	7,181	20.1	288	280	1,397	8.97
1990 to 1992	92	1,659	18.0	100	98	510	20.96
1993 to 1995	46	1,087	23.5	54	52	249	23.82
Census Region and Division							
Northeast	316	7,108	22.5	297	289	1,739	13.01
New England	34	1,433	42.6	74	72	432	26.89
Middle Atlantic	282	5,674	20.1	223	217	1,307	13.67
Midwest	777	10,905	14.0	750	730	2,947	8.96
East North Central	549	7,553	13.8	505	492	2,043	9.23
West North Central	228	3,352	14.7	244	238	903	17.01
South	805	12,291	15.3	528	514	2,560	9.33
South Atlantic	210	4,802	22.9	197	192	1,009	15.35
East South Central	248	3,163	12.8	164	160	792	19.83
West South Central	347	4,326	12.5	167	163	759	10.90
West	580	7,841	13.5	371	361	1,772	10.06
Mountain	219	2,624	12.0	150	146	585	17.21
Pacific	361	5,217	14.4	221	216	1,188	12.93
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	265	3,399	12.8	240	233	952	13.81
5,500-7,000 HDD	626	10,754	17.2	692	674	2,907	9.42
4,000-5,499 HDD	490	9,094	18.6	452	440	2,214	15.00
Fewer than 4,000 HDD	674	9,598	14.2	372	362	2,012	11.88
More than 2,000 CDD and --							
Fewer than 4,000 HDD	423	5,300	12.5	191	186	933	15.05

See footnotes at end of table.

Table 20. Total Natural Gas Consumption and Expenditures, 1995 (Continued)

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	1.1	0.9	0.7	1.1	1.1	1.2	
RSE Column Factor:							
Workers (main shift)							
Fewer than 5	1,155	6,581	5.7	298	290	1,620	7.75
5 to 9	538	4,482	8.3	244	237	1,198	13.81
10 to 19	358	4,696	13.1	269	262	1,364	13.15
20 to 49	261	6,627	25.4	343	334	1,729	9.06
50 to 99	90	4,762	52.6	218	212	985	10.32
100 to 249	50	4,286	85.1	222	216	930	10.33
250 or More	25	6,712	264.7	352	342	1,192	9.41
Weekly Operating Hours							
39 or Fewer	343	2,657	7.7	92	90	498	14.31
40 to 48	718	8,541	11.9	365	356	1,790	9.84
49 to 60	596	8,002	13.4	301	293	1,466	9.65
61 to 84	365	7,048	19.3	279	272	1,410	10.39
85 to 167	216	3,966	18.3	243	236	1,215	12.99
Open Continuously	239	7,931	33.2	665	648	2,638	9.68
Ownership and Occupancy							
Nongovernment Owned	2,190	30,256	13.8	1,472	1,433	7,065	5.23
Owner Occupied	1,750	23,956	13.7	1,245	1,212	5,825	5.95
Nonowner Occupied	413	6,077	14.7	218	213	1,201	11.20
Unoccupied	Q	Q	Q	Q	Q	Q	99.99
Government Owned	288	7,889	27.4	474	462	1,953	10.52
Space in Building Vacant for at Least Three Consecutive Months							
Yes	392	9,725	24.8	409	398	1,765	12.55
No	2,086	28,420	13.6	1,537	1,497	7,253	5.34
Energy Sources (more than one may apply)							
Electricity	2,476	38,009	15.4	1,938	1,887	8,987	4.95
Natural Gas	2,478	38,145	15.4	1,946	1,895	9,018	4.80
Fuel Oil	155	9,262	59.8	556	541	2,099	10.43
District Heat	30	2,343	78.8	146	142	486	24.21
District Chilled Water	17	1,287	77.0	101	99	327	19.21
Propane	105	1,565	14.8	90	87	425	18.30
Other	88	1,485	16.8	64	62	272	21.15
Energy End Uses (more than one may apply)							
Buildings with Space Heating	2,456	37,950	15.5	1,937	1,886	8,972	4.81
Buildings with Cooling	2,131	35,100	16.5	1,782	1,736	8,189	5.08
Buildings with Water Heating	2,201	36,284	16.5	1,878	1,828	8,650	5.19
Buildings with Cooking	549	15,968	29.1	975	950	4,216	6.07
Buildings with Manufacturing	104	2,542	24.5	111	108	528	15.54
Buildings with Electricity Generation	159	10,331	64.8	577	562	2,246	9.24
Space-Heating Energy Source							
Natural Gas	2,211	31,535	14.3	1,685	1,641	7,770	5.07
Natural Gas Main	2,106	28,808	13.7	1,614	1,571	7,437	5.24
Natural Gas Secondary	105	2,728	26.0	72	70	333	16.10
Other Excluding Natural Gas	245	6,414	26.2	252	245	1,202	11.52
Buildings without Space Heating	Q	Q	Q	Q	Q	Q	99.99
Primary Space-Heating Energy Source							
Electricity	240	5,427	22.6	176	171	979	14.57
Natural Gas	2,106	28,808	13.7	1,614	1,571	7,437	5.24
Fuel Oil	58	1,358	23.6	16	16	111	28.31
District Heat	28	2,037	73.4	118	115	400	18.18
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 20. Total Natural Gas Consumption and Expenditures, 1995 (Continued)

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	1.1	0.9	0.7	1.1	1.1	1.2	
RSE Column Factor:							
Cooling Energy Source							
Natural Gas	65	1,314	20.1	116	113	462	24.50
Other Excluding Natural Gas	2,066	33,786	16.4	1,666	1,623	7,727	5.30
Buildings without Cooling	347	3,045	8.8	163	159	829	12.46
Water-Heating Energy Source							
Natural Gas	1,577	24,859	15.8	1,513	1,474	6,849	6.07
Other Excluding Natural Gas	624	11,424	18.3	364	355	1,802	8.59
Buildings without Water Heating	277	1,862	6.7	68	66	368	18.82
Cooking Energy Source							
Natural Gas	448	13,195	29.4	801	780	3,495	6.59
Other Excluding Natural Gas	100	2,773	27.6	174	169	721	11.52
Buildings without Cooking	1,929	22,177	11.5	970	945	4,802	6.46
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	99.99
1 to 50	267	3,715	13.9	86	84	469	14.73
51 to 99	437	6,214	14.2	281	273	1,461	13.70
100	1,752	28,020	16.0	1,570	1,529	7,042	5.02
Annual Consumption (hundred cubic feet)							
1,000 or Less	647	3,871	6.0	35	34	272	10.30
1,001 to 5,000	1,194	10,767	9.0	291	284	1,676	6.67
5,001 to 10,000	275	4,876	17.8	207	201	1,072	8.54
10,001 to 25,000	230	7,045	30.6	346	337	1,841	9.28
25,001 to 50,000	74	4,053	54.5	256	250	1,284	9.45
50,001 to 100,000	37	2,998	80.8	254	247	1,062	21.97
Over 100,000	20	4,535	221.9	557	542	1,812	10.22
Gas Transported for the Account of Others							
Used in Building	32	2,123	66.8	305	297	956	19.18
Not Used in Building	2,446	36,022	14.7	1,640	1,597	8,063	5.13

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 26. Total Fuel Oil Consumption and Expenditures, 1995

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million gallons)	Total (million dollars)	
	1.2	0.7	0.8	1.2	1.2	1.2	
RSE Column Factor:							
All Buildings	607	14,421	24	235	1,686	1,175	10.72
Building Floorspace (square feet)							
1,001 to 5,000	333	946	3	44	320	275	15.85
5,001 to 10,000	96	679	7	26	191	153	24.39
10,001 to 25,000	92	1,425	15	45	323	239	23.58
25,001 to 50,000	31	1,164	38	28	201	129	11.70
50,001 to 100,000	28	1,968	71	31	223	140	12.94
100,001 to 200,000	14	2,096	145	21	153	88	12.72
200,001 to 500,000	10	2,928	298	25	176	97	16.51
Over 500,000	4	3,215	902	14	99	56	14.27
Principal Building Activity							
Education	37	2,348	63	57	408	249	23.48
Food Sales	Q	Q	Q	Q	Q	Q	99.99
Food Service	Q	Q	Q	Q	Q	Q	99.99
Health Care	18	1,576	87	21	152	94	24.00
Lodging	9	847	97	Q	Q	Q	25.74
Mercantile and Service	223	2,550	11	49	354	265	25.56
Office	97	3,554	37	28	204	154	21.37
Public Assembly	54	1,050	20	14	99	75	26.87
Public Order and Safety	Q	493	Q	Q	Q	Q	49.52
Religious Worship	42	441	11	13	90	69	20.53
Warehouse and Storage	Q	810	21	10	73	56	34.74
Other	7	375	53	Q	Q	Q	40.12
Vacant	Q	244	Q	5	38	25	27.38
Year Constructed							
1919 or Before	70	1,085	16	26	187	127	23.30
1920 to 1945	81	1,241	15	40	286	192	24.56
1946 to 1959	142	1,997	14	54	390	294	23.06
1960 to 1969	120	2,871	24	53	382	259	20.98
1970 to 1979	60	2,936	49	28	203	134	19.18
1980 to 1989	98	3,112	32	23	162	118	24.07
1990 to 1992	Q	607	Q	2	16	11	33.83
1993 to 1995	Q	572	24	8	59	39	35.61
Census Region and Division							
Northeast	282	5,423	19	168	1,200	818	11.97
New England	106	2,002	19	79	567	374	17.84
Middle Atlantic	176	3,421	19	88	633	444	14.43
Midwest	96	2,681	28	16	114	84	32.42
East North Central	Q	1,701	28	Q	Q	Q	44.95
West North Central	36	980	27	4	30	Q	38.55
South	196	4,175	21	45	324	240	25.68
South Atlantic	126	2,742	22	37	268	196	30.17
East South Central	Q	724	16	Q	Q	Q	39.74
West South Central	24	709	30	Q	Q	Q	19.74
West	33	2,142	64	7	47	34	32.50
Mountain	Q	419	39	Q	Q	Q	31.24
Pacific	23	1,722	76	Q	Q	Q	41.62
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	110	1,798	16	51	366	241	21.65
5,500-7,000 HDD	149	3,724	25	69	498	349	17.22
4,000-5,499 HDD	259	5,250	20	101	724	511	19.48
Fewer than 4,000 HDD	52	2,343	45	Q	Q	Q	34.67
More than 2,000 CDD and --							
Fewer than 4,000 HDD	38	1,307	35	5	35	Q	30.37

See footnotes at end of table.

Table 26. Total Fuel Oil Consumption and Expenditures, 1995 (Continued)

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million gallons)	Total (million dollars)	
	1.2	0.7	0.8	1.2	1.2	1.2	
RSE Column Factor:							
Workers (main shift)							
Fewer than 5	324	1,674	5	59	425	338	18.81
5 to 9	79	791	10	22	157	129	33.75
10 to 19	94	872	9	33	236	179	26.87
20 to 49	52	1,436	28	38	270	181	17.96
50 to 99	21	1,652	77	28	201	114	15.05
100 to 249	19	2,210	114	28	197	117	18.78
250 or More	18	5,787	319	28	199	117	13.63
Weekly Operating Hours							
39 or Fewer	116	710	6	20	146	112	31.10
40 to 48	162	1,953	12	42	302	226	20.34
49 to 60	138	2,790	20	58	419	300	22.61
61 to 84	68	2,785	41	37	269	184	22.47
85 to 167	44	1,502	34	24	171	107	22.34
Open Continuously	80	4,682	58	53	379	245	17.53
Ownership and Occupancy							
Nongovernment Owned	509	10,617	21	166	1,189	863	13.10
Owner Occupied	453	9,485	21	150	1,072	781	12.96
Nonowner Occupied	54	1,101	20	15	111	78	32.37
Unoccupied	Q	Q	Q	Q	Q	Q	99.99
Government Owned	98	3,805	39	69	496	312	14.91
Space in Building Vacant for at Least Three Consecutive Months							
Yes	88	4,661	53	32	233	159	18.06
No	519	9,760	19	203	1,453	1,017	11.25
Energy Sources (more than one may apply)							
Electricity	595	14,345	24	234	1,677	1,167	11.47
Natural Gas	155	9,262	60	86	616	396	14.23
Fuel Oil	607	14,421	24	235	1,686	1,175	10.72
District Heat	20	2,174	110	9	62	38	28.73
District Chilled Water	Q	1,076	85	2	16	11	35.70
Propane	144	1,675	12	65	464	323	14.31
Other	64	797	13	13	95	70	32.22
Energy End Uses (more than one may apply)							
Buildings with Space Heating	607	14,236	23	234	1,677	1,167	10.78
Buildings with Cooling	388	12,904	33	179	1,283	876	13.61
Buildings with Water Heating	504	13,959	28	222	1,588	1,096	10.62
Buildings with Cooking	122	8,018	66	105	749	481	15.08
Buildings with Manufacturing	17	718	Q	15	106	65	34.15
Buildings with Electricity Generation	138	9,576	70	81	579	369	16.62
Space-Heating Energy Source							
Fuel Oil	504	6,606	13	220	1,576	1,096	12.18
Fuel Oil Main	439	4,207	10	196	1,408	983	12.75
Fuel Oil Secondary	65	2,398	37	23	168	113	26.64
Other Excluding Fuel Oil	103	7,630	74	14	101	71	16.29
Buildings without Space Heating	Q	Q	Q	Q	Q	Q	99.99
Primary Space-Heating Energy Source							
Electricity	38	2,238	59	10	68	47	33.68
Natural Gas	83	5,479	66	15	108	73	17.93
Fuel Oil	439	4,207	10	196	1,408	983	12.75
District Heat	19	1,892	101	7	49	30	32.99
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 26. Total Fuel Oil Consumption and Expenditures, 1995 (Continued)

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million gallons)	Total (million dollars)	
	1.2	0.7	0.8	1.2	1.2	1.2	
RSE Column Factor:							
Cooling Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	Q
Other Excluding Fuel Oil	381	12,793	34	177	1,265	862	13.76
Buildings without Cooling	219	1,517	7	56	403	299	18.63
Water-Heating Energy Source							
Fuel Oil	120	2,151	18	112	802	534	17.83
Other Excluding Fuel Oil	384	11,809	31	109	785	562	12.05
Buildings without Water Heating	103	462	4	14	98	79	36.98
Cooking Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	Q
Other Excluding Fuel Oil	121	7,935	65	103	734	473	15.00
Buildings without Cooking	486	6,403	13	130	937	694	13.59
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	99.99
1 to 50	93	1,003	11	13	97	79	27.87
51 to 99	90	2,857	32	43	307	219	27.40
100	423	10,376	25	178	1,274	868	13.24
Annual Consumption (gallons)							
1,000 or less	332	7,978	24	17	122	113	18.63
1,001 to 5,000	217	2,687	12	68	487	389	15.39
5,001 to 10,000	29	1,068	36	28	205	153	29.49
10,001 to 25,000	20	1,015	52	41	298	188	18.28
Over 25,000	9	1,674	178	81	574	331	14.91

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 30. Total District Heat Consumption and Expenditures, 1995

Building Characteristics	All Buildings Using District Heat			District Heat Consumption	District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million dollars)	
	1.2	0.9	0.9	1.1	1.0	
RSE Column Factor:						
All Buildings	110	5,658	52	533	3,103	18.99
Building Floorspace (square feet)						
1,001 to 5,000	Q	Q	Q	Q	Q	99.99
5,001 to 10,000	Q	Q	Q	Q	Q	99.99
10,001 to 25,000	25	370	15	38	174	27.49
25,001 to 50,000	18	651	37	55	383	15.39
50,001 to 100,000	11	744	71	60	400	18.66
100,001 to 200,000	8	1,119	140	84	530	14.63
200,001 to 500,000	4	1,211	305	94	557	17.58
Over 500,000	1	1,351	918	93	521	20.25
Principal Building Activity						
Education	36	1,077	30	91	595	25.43
Food Sales	Q	Q	Q	Q	Q	99.99
Food Service	Q	Q	Q	Q	Q	99.99
Health Care	4	640	143	70	428	25.26
Lodging	11	616	Q	57	291	32.88
Mercantile and Service	Q	Q	Q	Q	Q	99.99
Office	Q	1,532	77	75	524	25.22
Public Assembly	Q	636	Q	Q	Q	22.61
Public Order and Safety	Q	Q	Q	Q	Q	99.99
Religious Worship	Q	Q	Q	Q	Q	99.99
Warehouse and Storage	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	99.99
Vacant	Q	Q	Q	Q	Q	99.99
Year Constructed						
1919 or Before	Q	556	26	31	238	38.36
1920 to 1945	Q	864	43	85	495	31.51
1946 to 1959	13	939	70	57	328	27.10
1960 to 1969	23	1,408	60	124	721	24.90
1970 to 1979	15	965	64	89	532	23.12
1980 to 1989	Q	508	Q	Q	Q	22.76
1990 to 1992	Q	Q	Q	Q	Q	99.99
1993 to 1995	Q	Q	Q	Q	Q	99.99
Census Region and Division						
Northeast	Q	1,768	73	135	863	29.44
New England	2	226	104	23	131	35.59
Middle Atlantic	Q	1,542	70	112	732	35.38
Midwest	35	1,902	54	173	1,100	22.09
East North Central	19	1,214	66	114	677	30.64
West North Central	16	688	42	60	423	32.98
South	Q	1,038	32	83	402	34.14
South Atlantic	Q	364	39	Q	215	44.67
East South Central	Q	Q	Q	Q	Q	99.99
West South Central	Q	Q	Q	Q	Q	99.99
West	18	949	Q	Q	Q	30.31
Mountain	6	Q	Q	Q	Q	28.05
Pacific	12	631	52	Q	Q	39.83
Climate Zone: 45-Year Average						
Fewer than 2,000 CDD and --						
More than 7,000 HDD	3	267	90	29	183	28.30
5,500-7,000 HDD	30	1,919	65	259	1,443	28.75
4,000-5,499 HDD	44	2,292	52	154	1,001	27.94
Fewer than 4,000 HDD	10	537	56	Q	Q	27.03
More than 2,000 CDD and --						
Fewer than 4,000 HDD	24	643	27	Q	192	38.83

See footnotes at end of table.

**Table 30. Total District Heat Consumption and Expenditures, 1995
(Continued)**

Building Characteristics	All Buildings Using District Heat			District Heat Consumption	District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million dollars)	
	1.2	0.9	0.9	1.1	1.0	
RSE Column Factor:						
Workers (main shift)						
Fewer than 5	Q	Q	Q	Q	Q	99.99
5 to 9	Q	Q	Q	Q	Q	99.99
10 to 19	Q	Q	Q	Q	Q	99.99
20 to 49	16	617	38	66	391	23.44
50 to 99	17	713	43	74	445	25.55
100 to 249	8	886	109	66	391	21.01
250 or More	9	2,458	271	183	1,098	18.94
Weekly Operating Hours						
39 or Fewer	Q	Q	Q	Q	Q	99.99
40 to 48	23	762	33	69	380	35.63
49 to 60	Q	970	43	81	489	27.46
61 to 84	12	628	52	44	296	31.42
85 to 167	Q	840	Q	Q	Q	27.33
Open Continuously	32	2,320	72	203	1,215	25.82
Ownership and Occupancy						
Nongovernment Owned	50	2,789	56	295	1,730	30.57
Owner Occupied	44	2,482	57	283	1,638	31.41
Nonowner Occupied	Q	Q	Q	Q	Q	99.99
Unoccupied	Q	Q	Q	Q	Q	99.99
Government Owned	60	2,869	48	238	1,374	22.62
Space in Building Vacant for at Least Three Consecutive Months						
Yes	Q	1,572	86	84	554	23.71
No	92	4,086	45	449	2,550	21.19
Energy Sources (more than one may apply)						
Electricity	110	5,646	51	532	3,100	20.37
Natural Gas	30	2,343	79	194	1,277	22.77
Fuel Oil	20	2,174	110	163	1,069	19.94
District Heat	110	5,658	52	533	3,103	18.99
District Chilled Water	47	2,140	46	250	1,393	34.42
Propane	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	99.99
Energy End Uses (more than one may apply)						
Buildings with Space Heating	109	5,642	52	532	3,102	18.99
Buildings with Cooling	95	5,128	54	488	2,835	20.95
Buildings with Water Heating	96	5,424	57	496	2,874	19.10
Buildings with Cooking	17	2,031	117	181	1,088	17.87
Buildings with Manufacturing	Q	Q	Q	Q	Q	99.99
Buildings with Electricity Generation	Q	2,434	115	188	1,302	21.86
Space-Heating Energy Source						
District Heat	109	5,606	51	530	3,084	19.04
District Heat Main	107	5,289	49	508	2,984	19.23
District Heat Secondary	Q	Q	Q	Q	Q	99.99
Other Excluding District Heat	Q	Q	Q	Q	Q	99.99
Buildings without Space Heating	Q	Q	Q	Q	Q	99.99

See footnotes at end of table.

**Table 30. Total District Heat Consumption and Expenditures, 1995
(Continued)**

Building Characteristics	All Buildings Using District Heat			District Heat Consumption	District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million dollars)	
	1.2	0.9	0.9	1.1	1.0	
RSE Column Factor:						
Primary Space-Heating Energy Source						
Electricity	Q	Q	Q	Q	Q	99.99
Natural Gas	Q	Q	Q	Q	Q	99.99
Fuel Oil	Q	Q	Q	Q	Q	99.99
District Heat	107	5,289	49	508	2,984	19.23
Propane	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	99.99
Cooling Energy Source						
District Heat	Q	Q	Q	Q	Q	99.99
Other Excluding District Heat	93	4,549	49	447	2,561	21.45
Buildings without Cooling	14	530	37	45	269	32.01
Water-Heating Energy Source						
District Heat	54	3,949	74	406	2,279	19.75
Other Excluding District Heat	42	1,475	35	89	595	31.28
Buildings without Water Heating	Q	Q	Q	Q	Q	99.99
Cooking Energy Source						
District Heat	5	591	110	76	483	20.56
Other Excluding District Heat	12	1,439	120	105	605	23.76
Buildings without Cooking	92	3,627	39	351	2,015	23.35
Percent of Floorspace Heated						
Not Heated	Q	Q	Q	Q	Q	99.99
1 to 50	Q	Q	Q	Q	Q	99.99
51 to 99	7	748	105	41	285	29.70
100	101	4,828	48	488	2,798	20.29

(*) = Value rounds to zero in the units displayed.

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.