Energy Consumption & Expenditures

Energy Sources: Major Fuels Tables

(30 pages, 177 kb)

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

Table 1. Total Energy Consumption by Major Fuel, 1995

Building Characteristics	All Buildings		Total Energy Consumption (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	Primary Electricity (trillion Btu)	
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)						RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat	Primary Electricity (trillion Btu)	
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)						RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat	Primary Electricity (trillion Btu)	
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)						RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Site Electricity	Natural Gas	Fuel Oil	District Heat	Primary Electricity (trillion Btu)	
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 2. Total Energy Expenditures by Major Fuel, 1995

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat	
RSE Column Factor:	0.7	0.6	0.7	0.7	1.0	2.0	2.4	
All Buildings	4,579	58,772	69,918	56,621	9,018	1,175	3,103	5.62
Building Floorspace (square feet)								
1,001 to 5,000	2,399	6,338	11,577	9,696	1,483	275	Q	9.81
5,001 to 10,000	1,035	7,530	8,063	6,055	1,439	153	Q	13.81
10,001 to 25,000	745	11,617	11,099	8,911	1,775	239	174	12.24
25,001 to 50,000	213	7,676	8,676	7,005	1,159	129	383	10.13
50,001 to 100,000	115	7,968	8,824	7,194	1,091	140	400	10.58
100,001 to 200,000	48	6,776	7,859	6,283	958	88	530	11.93
200,001 to 500,000	19	5,553	7,291	5,908	729	97	557	13.13
Over 500,000	6	5,313	6,530	5,568	385	56	521	15.34
Principal Building Activity								
Education	309	7,740	7,129	5,168	1,117	249	595	11.60
Food Sales	137	642	2,634	2,532	97	Q	Q	22.57
Food Service	285	1,353	4,817	3,931	851	Q	Q	21.82
Health Care	105	2,333	5,261	3,901	838	94	428	14.73
Lodging	158	3,618	5,114	3,838	966	Q	291	14.89
Mercantile and Service	1,289	12,728	14,025	11,655	1,979	265	Q	12.05
Office	705	10,478	15,849	14,020	1,150	154	524	10.97
Public Assembly	326	3,948	4,988	3,604	675	75	Q	16.42
Public Order and Safety	87	1,271	1,551	1,131	167	Q	Q	31.80
Religious Worship	269	2,792	1,337	953	303	69	Q	14.80
Warehouse and Storage	580	8,481	4,709	3,934	559	56	Q	17.57
Other	67	1,004	1,865	1,473	197	Q	Q	34.95
Vacant	261	2,384	638	481	119	25	Q	24.91
Year Constructed								
1919 or Before	353	3,673	3,310	2,290	655	127	238	16.15
1920 to 1945	562	6,710	5,665	4,012	966	192	495	13.37
1946 to 1959	867	9,298	9,813	7,395	1,796	294	328	12.19
1960 to 1969	718	10,858	13,135	10,405	1,750	259	721	11.07
1970 to 1979	813	11,333	15,366	13,005	1,695	134	532	9.67
1980 to 1989	846	12,252	15,895	13,844	1,397	118	Q	10.71
1990 to 1992	218	2,590	4,011	3,318	510	11	Q	19.80
1993 to 1995	202	2,059	2,722	2,353	249	39	Q	24.21
Floors								
One	3,018	24,552	27,099	22,624	3,353	423	Q	8.16
Two	1,002	14,122	15,409	12,510	2,389	276	234	10.11
Three	399	7,335	8,027	6,133	1,324	212	359	13.62
Four to Nine	148	8,789	13,245	10,234	1,548	220	1,244	10.65
Ten or More	12	3,975	6,137	5,121	404	44	569	15.53
Census Region and Division								
Northeast	725	11,883	16,479	13,059	1,739	818	863	10.80
New England	204	3,140	4,019	3,082	432	374	131	16.78
Middle Atlantic	521	8,743	12,460	9,978	1,307	444	732	13.07
Midwest	1,139	14,322	15,076	10,946	2,947	84	1,100	11.36
East North Central	739	9,655	10,141	7,360	2,043	Q	677	11.85
West North Central	401	4,668	4,935	3,586	903	Q	423	19.37
South	1,750	20,830	22,211	19,009	2,560	240	402	10.44
South Atlantic	676	9,475	10,922	9,502	1,009	196	215	15.63
East South Central	477	4,917	4,854	3,979	792	Q	Q	17.64
West South Central	597	6,438	6,435	5,527	759	Q	Q	13.22
West	964	11,736	16,152	13,607	1,772	34	Q	13.28
Mountain	319	3,855	4,415	3,390	585	Q	Q	25.93
Pacific	646	7,881	11,737	10,217	1,188	Q	Q	14.21

See footnotes at end of table.

Table 2. Total Energy Expenditures by Major Fuel, 1995 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat	
RSE Column Factor:	0.7	0.6	0.7	0.7	1.0	2.0	2.4	
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	493	5,098	4,975	3,600	952	241	183	18.43
5,500-7,000 HDD	975	14,597	17,822	13,123	2,907	349	1,443	10.43
4,000-5,499 HDD	1,070	15,155	18,783	15,057	2,214	511	1,001	13.65
Fewer than 4,000 HDD	1,103	13,491	16,823	14,479	2,012	Q	Q	14.73
More than 2,000 CDD and --								
Fewer than 4,000 HDD	937	10,430	11,515	10,363	933	Q	192	15.84
Workers (main shift)								
Fewer than 5	2,505	13,885	10,958	8,510	1,620	338	Q	10.06
5 to 9	798	6,291	6,939	5,478	1,198	129	Q	14.62
10 to 19	625	7,102	8,410	6,712	1,364	179	Q	14.40
20 to 49	400	9,132	11,781	9,480	1,729	181	391	10.15
50 to 99	138	6,931	8,140	6,595	985	114	445	10.88
100 to 249	71	5,988	8,107	6,668	930	117	391	11.98
250 or More	43	9,443	15,584	13,177	1,192	117	1,098	11.90
Weekly Operating Hours								
39 or Fewer	899	6,134	2,400	1,728	498	112	Q	15.72
40 to 48	1,257	13,233	11,831	9,435	1,790	226	380	10.76
49 to 60	969	12,242	13,167	10,912	1,466	300	489	11.46
61 to 84	567	10,052	11,698	9,807	1,410	184	296	11.68
85 to 167	420	6,202	11,593	9,608	1,215	107	Q	13.19
Open Continuously	466	10,908	19,230	15,131	2,638	245	1,215	10.18
Ownership and Occupancy								
Nongovernment Owned	4,025	46,696	54,483	44,825	7,065	863	1,730	6.86
Owner Occupied	3,158	35,573	43,122	34,878	5,825	781	1,638	7.22
Nonowner Occupied	698	9,697	11,131	9,768	1,201	78	Q	13.10
Unoccupied	170	1,426	230	179	Q	Q	Q	41.79
Government Owned	553	12,076	15,435	11,796	1,953	312	1,374	9.83
Federal	76	1,752	3,026	2,493	166	27	341	27.95
State	99	2,851	4,799	3,610	454	60	676	20.78
Local	379	7,473	7,609	5,694	1,334	225	Q	13.04
Space in Building Vacant for at Least Three Consecutive Months								
Yes	787	15,844	15,193	12,715	1,765	159	554	10.73
No	3,791	42,928	54,725	43,906	7,253	1,017	2,550	6.45
Energy Sources (more than one may apply)								
Electricity	4,343	57,076	69,876	56,621	8,987	1,167	3,100	5.74
Natural Gas	2,478	38,145	48,011	37,320	9,018	396	1,277	7.31
Fuel Oil	607	14,421	20,194	15,850	2,099	1,175	1,069	10.17
District Heat	110	5,658	10,584	6,957	486	38	3,103	20.92
District Chilled Water	53	2,521	5,074	3,344	327	11	1,393	21.58
Propane	589	5,344	6,153	5,323	425	323	Q	15.53
Other	213	2,336	2,710	1,878	272	70	Q	23.95
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	54,347	68,085	54,844	8,972	1,167	3,102	5.68
Buildings with Cooling	3,381	49,935	65,100	53,201	8,189	876	2,835	5.97
Buildings with Water Heating	3,486	51,560	66,466	53,846	8,650	1,096	2,874	5.77
Buildings with Cooking	828	20,713	31,611	25,825	4,216	481	1,088	7.19
Buildings with Manufacturing	204	3,893	4,028	3,252	528	65	Q	19.20
Buildings with Electricity Generation	247	13,366	20,828	16,911	2,246	369	1,302	9.70

See footnotes at end of table.

Table 2. Total Energy Expenditures by Major Fuel, 1995 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Elec-tricity	Natural Gas	Fuel Oil	District Heat	
RSE Column Factor:	0.7	0.6	0.7	0.7	1.0	2.0	2.4	
Space-Heating Energy Sources (more than one may apply)								
Electricity	1,467	22,156	28,336	25,058	2,579	257	442	10.03
Natural Gas	2,211	31,535	37,864	29,646	7,770	137	Q	6.68
Fuel Oil	504	6,606	8,043	6,000	728	1,096	Q	16.27
District Heat	109	5,606	10,491	6,904	465	38	3,084	15.88
Propane	301	2,025	2,451	2,280	96	Q	Q	29.22
Other	135	1,050	960	768	121	Q	Q	29.94
Primary Space-Heating Energy Source								
Electricity	1,007	13,500	17,325	16,279	979	47	Q	13.58
Natural Gas	2,106	28,808	34,272	26,667	7,437	73	Q	7.17
Fuel Oil	439	4,207	3,922	2,827	111	983	Q	18.09
District Heat	107	5,289	9,987	6,573	400	30	2,984	16.38
Propane	260	1,545	1,766	1,738	Q	Q	Q	34.12
Other	61	514	278	248	Q	Q	Q	43.55
Cooling Energy Sources (more than one may apply)								
Electricity	3,293	47,761	61,379	50,797	7,868	863	1,850	5.77
Natural Gas	65	1,314	2,328	1,738	462	22	Q	26.81
District Chilled Water	53	2,521	5,074	3,344	327	11	1,393	21.58
Water-Heating Energy Sources (more than one may apply)								
Electricity	1,684	23,056	26,839	24,101	1,883	409	447	9.10
Natural Gas	1,577	24,859	32,683	25,261	6,849	210	364	8.33
Fuel Oil	120	2,151	2,329	1,622	139	534	Q	21.48
District Heat	54	3,949	7,545	4,913	329	23	2,279	17.45
Propane	110	1,020	1,584	1,519	Q	Q	Q	36.44
Cooking Energy Sources (more than one may apply)								
Electricity	487	12,249	19,314	16,338	2,105	208	664	9.87
Natural Gas	448	13,195	20,182	15,828	3,495	235	623	9.15
Propane	123	1,480	2,450	2,293	Q	142	Q	28.74
Percent of Floorspace Heated								
Not Heated	554	4,425	1,833	1,777	Q	Q	Q	20.88
1 to 50	555	6,227	4,024	3,456	469	79	Q	16.14
51 to 99	633	8,868	11,724	9,760	1,461	219	285	13.21
100	2,836	39,252	52,337	41,628	7,042	868	2,798	5.91
Percent of Floorspace Cooled								
Not Cooled	1,198	8,837	4,818	3,421	829	299	269	14.53
1 to 50	930	15,027	11,919	8,642	2,410	418	450	11.50
51 to 99	635	12,549	18,400	15,196	2,121	224	859	9.92
100	1,816	22,359	34,781	29,363	3,658	234	1,526	8.81
Percent Lit when Open								
Zero	36	189	Q	Q	Q	Q	Q	50.88
1 to 50	666	6,008	4,252	3,274	724	176	Q	15.06
51 to 99	745	9,692	11,682	9,346	1,597	234	505	12.03
100	2,814	40,514	53,711	43,826	6,627	745	2,513	6.75
Building Not in Use/ Electricity Not Used	318	2,369	246	149	Q	Q	Q	29.14

See footnotes at end of table.

Table 2. Total Energy Expenditures by Major Fuel, 1995 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Elec-tricity	Natural Gas	Fuel Oil	District Heat	
RSE Column Factor:	0.7	0.6	0.7	0.7	1.0	2.0	2.4	
Percent Lit when Closed								
Zero	1,644	13,101	10,364	8,176	1,546	247	Q	11.77
1 to 50	2,109	30,711	37,023	30,461	4,478	638	1,447	7.82
51 to 100	87	1,914	3,077	2,715	298	Q	Q	26.83
Never Closed	421	10,677	19,207	15,121	2,627	245	1,215	10.66
Building Not in Use/ Electricity Not Used	318	2,369	246	149	Q	Q	Q	32.30
Energy Conservation Features (more than one may apply)								
Any Conservation Features	4,075	55,288	68,728	55,553	8,918	1,159	3,097	5.70
Building Shell	3,906	53,190	66,909	54,093	8,689	1,088	3,039	5.85
HVAC	2,529	44,657	59,844	48,480	7,409	1,040	2,915	6.06
Lighting	2,084	38,537	52,428	42,834	6,565	799	2,231	5.86

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 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 4. Expenditures for Sum of Major Fuels, 1995

Building Characteristics	All Buildings			Sum of Major Fuel Expenditures				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (million dollars)	per Building (thousand dollars)	per Square Foot (dollars)	per Million Btu (dollars)	
RSE Column Factor:	1.2	0.9	0.9	1.2	1.2	0.9	0.7	
All Buildings	4,579	58,772	12.8	69,918	15.3	1.19	13.14	3.12
Building Floorspace (square feet)								
1,001 to 5,000	2,399	6,338	2.6	11,577	4.8	1.83	16.35	5.08
5,001 to 10,000	1,035	7,530	7.3	8,063	7.8	1.07	12.93	6.93
10,001 to 25,000	745	11,617	15.6	11,099	14.9	0.96	13.47	5.28
25,001 to 50,000	213	7,676	36.1	8,676	40.8	1.13	13.78	3.96
50,001 to 100,000	115	7,968	69.3	8,824	76.7	1.11	12.64	4.30
100,001 to 200,000	48	6,776	140.9	7,859	163.4	1.16	11.44	5.75
200,001 to 500,000	19	5,553	294.9	7,291	387.2	1.31	11.46	6.46
Over 500,000	6	5,313	896.4	6,530	1,101.6	1.23	12.70	8.31
Principal Building Activity								
Education	309	7,740	25.1	7,129	23.1	0.92	11.62	7.60
Food Sales	137	642	4.7	2,634	19.3	4.11	19.23	11.22
Food Service	285	1,353	4.8	4,817	16.9	3.56	14.50	12.51
Health Care	105	2,333	22.2	5,261	50.1	2.26	9.38	11.11
Lodging	158	3,618	22.8	5,114	32.3	1.41	11.10	9.59
Mercantile and Service	1,289	12,728	9.9	14,025	10.9	1.10	14.42	6.97
Office	705	10,478	14.9	15,849	22.5	1.51	15.56	6.37
Public Assembly	326	3,948	12.1	4,988	15.3	1.26	11.11	11.92
Public Order and Safety	87	1,271	14.6	1,551	17.8	1.22	12.55	21.73
Religious Worship	269	2,792	10.4	1,337	5.0	0.48	12.82	10.60
Warehouse and Storage	580	8,481	14.6	4,709	8.1	0.56	14.51	9.73
Other	67	1,004	14.9	1,865	27.7	1.86	10.79	18.87
Vacant	261	2,384	9.1	638	2.4	0.27	12.48	18.53
Year Constructed								
1919 or Before	353	3,673	10.4	3,310	9.4	0.90	11.35	11.52
1920 to 1945	562	6,710	11.9	5,665	10.1	0.84	11.15	8.98
1946 to 1959	867	9,298	10.7	9,813	11.3	1.06	11.87	7.10
1960 to 1969	718	10,858	15.1	13,135	18.3	1.21	12.83	6.66
1970 to 1979	813	11,333	13.9	15,366	18.9	1.36	13.66	5.97
1980 to 1989	846	12,252	14.5	15,895	18.8	1.30	15.01	6.63
1990 to 1992	218	2,590	11.9	4,011	18.4	1.55	13.51	11.61
1993 to 1995	202	2,059	10.2	2,722	13.5	1.32	14.34	14.89
Floors								
One	3,018	24,552	8.1	27,099	9.0	1.10	14.68	4.73
Two	1,002	14,122	14.1	15,409	15.4	1.09	13.74	5.40
Three	399	7,335	18.4	8,027	20.1	1.09	11.90	7.92
Four to Nine	148	8,789	59.4	13,245	89.5	1.51	10.78	8.67
Ten or More	12	3,975	328.9	6,137	507.7	1.54	13.62	9.42
Census Region and Division								
Northeast	725	11,883	16.4	16,479	22.7	1.39	15.92	7.00
New England	204	3,140	15.4	4,019	19.7	1.28	14.67	10.45
Middle Atlantic	521	8,743	16.8	12,460	23.9	1.43	16.37	8.37
Midwest	1,139	14,322	12.6	15,076	13.2	1.05	10.07	6.61
East North Central	739	9,655	13.1	10,141	13.7	1.05	10.28	7.73
West North Central	401	4,668	11.6	4,935	12.3	1.06	9.67	12.12
South	1,750	20,830	11.9	22,211	12.7	1.07	13.19	5.15
South Atlantic	676	9,475	14.0	10,922	16.2	1.15	14.14	8.29
East South Central	477	4,917	10.3	4,854	10.2	0.99	11.64	9.87
West South Central	597	6,438	10.8	6,435	10.8	1.00	13.03	8.86
West	964	11,736	12.2	16,152	16.8	1.38	14.61	8.37
Mountain	319	3,855	12.1	4,415	13.9	1.15	10.29	13.64
Pacific	646	7,881	12.2	11,737	18.2	1.49	17.35	9.33

See footnotes at end of table.

Table 4. Expenditures for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	All Buildings			Sum of Major Fuel Expenditures				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (million dollars)	per Building (thousand dollars)	per Square Foot (dollars)	per Million Btu (dollars)	
RSE Column Factor:	1.2	0.9	0.9	1.2	1.2	0.9	0.7	
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	493	5,098	10.3	4,975	10.1	0.98	9.97	10.98
5,500-7,000 HDD	975	14,597	15.0	17,822	18.3	1.22	11.20	5.60
4,000-5,499 HDD	1,070	15,155	14.2	18,783	17.6	1.24	13.35	9.24
Fewer than 4,000 HDD	1,103	13,491	12.2	16,823	15.2	1.25	15.61	7.85
More than 2,000 CDD and --								
Fewer than 4,000 HDD	937	10,430	11.1	11,515	12.3	1.10	15.43	8.19
Workers (main shift)								
Fewer than 5	2,505	13,885	5.5	10,958	4.4	0.79	13.88	6.77
5 to 9	798	6,291	7.9	6,939	8.7	1.10	13.65	8.11
10 to 19	625	7,102	11.4	8,410	13.5	1.18	13.70	7.84
20 to 49	400	9,132	22.8	11,781	29.5	1.29	13.57	6.26
50 to 99	138	6,931	50.3	8,140	59.1	1.17	12.92	6.75
100 to 249	71	5,988	84.4	8,107	114.3	1.35	12.50	6.21
250 or More	43	9,443	220.1	15,584	363.2	1.65	12.34	9.41
Weekly Operating Hours								
39 or Fewer	899	6,134	6.8	2,400	2.7	0.39	13.35	8.25
40 to 48	1,257	13,233	10.5	11,831	9.4	0.89	13.46	6.16
49 to 60	969	12,242	12.6	13,167	13.6	1.08	14.05	6.31
61 to 84	567	10,052	17.7	11,698	20.6	1.16	14.69	6.92
85 to 167	420	6,202	14.8	11,593	27.6	1.87	13.95	8.68
Open Continuously	466	10,908	23.4	19,230	41.3	1.76	11.32	6.53
Ownership and Occupancy								
Nongovernment Owned	4,025	46,696	11.6	54,483	13.5	1.17	13.79	3.31
Owner Occupied	3,158	35,573	11.3	43,122	13.7	1.21	13.12	3.57
Nonowner Occupied	698	9,697	13.9	11,131	15.9	1.15	17.20	6.87
Unoccupied	170	1,426	8.4	230	1.4	0.16	14.63	29.26
Government Owned	553	12,076	21.8	15,435	27.9	1.28	11.25	6.93
Federal	76	1,752	23.2	3,026	40.1	1.73	11.38	24.45
State	99	2,851	28.7	4,799	48.3	1.68	10.96	14.78
Local	379	7,473	19.7	7,609	20.1	1.02	11.39	8.35
Space in Building Vacant for at Least Three Consecutive Months								
Yes	787	15,844	20.1	15,193	19.3	0.96	13.57	6.77
No	3,791	42,928	11.3	54,725	14.4	1.27	13.02	3.53
Energy Sources (more than one may apply)								
Electricity	4,343	57,076	13.1	69,876	16.1	1.22	13.16	3.15
Natural Gas	2,478	38,145	15.4	48,011	19.4	1.26	12.21	3.83
Fuel Oil	607	14,421	23.7	20,194	33.2	1.40	11.66	7.34
District Heat	110	5,658	51.5	10,584	96.3	1.87	10.07	16.16
District Chilled Water	53	2,521	47.7	5,074	96.0	2.01	9.37	16.12
Propane	589	5,344	9.1	6,153	10.4	1.15	15.69	9.23
Other	213	2,336	11.0	2,710	12.7	1.16	10.48	19.27
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	54,347	13.5	68,085	16.9	1.25	12.98	3.15
Buildings with Cooling	3,381	49,935	14.8	65,100	19.3	1.30	13.22	3.25
Buildings with Water Heating	3,486	51,560	14.8	66,466	19.1	1.29	13.06	3.24
Buildings with Cooking	828	20,713	25.0	31,611	38.2	1.53	12.61	4.81
Buildings with Manufacturing	204	3,893	19.1	4,028	19.7	1.03	13.13	13.10
Buildings with Electricity Generation	247	13,366	54.2	20,828	84.5	1.56	12.22	7.14

See footnotes at end of table.

Table 4. Expenditures for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	All Buildings			Sum of Major Fuel Expenditures				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (million dollars)	per Building (thousand dollars)	per Square Foot (dollars)	per Million Btu (dollars)	
RSE Column Factor:	1.2	0.9	0.9	1.2	1.2	0.9	0.7	
Space-Heating Energy Sources (more than one may apply)								
Electricity	1,467	22,156	15.1	28,336	19.3	1.28	14.85	5.08
Natural Gas	2,211	31,535	14.3	37,864	17.1	1.20	12.23	3.86
Fuel Oil	504	6,606	13.1	8,043	15.9	1.22	11.14	9.55
District Heat	109	5,606	51.4	10,491	96.1	1.87	10.13	11.56
Propane	301	2,025	6.7	2,451	8.1	1.21	18.99	14.67
Other	135	1,050	7.8	960	7.1	0.91	12.53	15.56
Primary Space-Heating Energy Source								
Electricity	1,007	13,500	13.4	17,325	17.2	1.28	17.23	6.14
Natural Gas	2,106	28,808	13.7	34,272	16.3	1.19	12.07	4.06
Fuel Oil	439	4,207	9.6	3,922	8.9	0.93	12.85	9.60
District Heat	107	5,289	49.3	9,987	93.1	1.89	10.22	11.90
Propane	260	1,545	5.9	1,766	6.8	1.14	24.92	18.08
Other	61	514	8.4	278	4.5	0.54	17.14	22.81
Cooling Energy Sources (more than one may apply)								
Electricity	3,293	47,761	14.5	61,379	18.6	1.29	13.54	3.21
Natural Gas	65	1,314	20.1	2,328	35.6	1.77	10.59	19.69
District Chilled Water	53	2,521	47.7	5,074	96.0	2.01	9.37	16.12
Water-Heating Energy Sources (more than one may apply)								
Electricity	1,684	23,056	13.7	26,839	15.9	1.16	16.19	4.75
Natural Gas	1,577	24,859	15.8	32,683	20.7	1.31	11.80	4.53
Fuel Oil	120	2,151	17.9	2,329	19.4	1.08	11.50	14.57
District Heat	54	3,949	73.7	7,545	140.9	1.91	9.90	13.47
Propane	110	1,020	9.2	1,584	14.4	1.55	21.11	22.48
Cooking Energy Sources (more than one may apply)								
Electricity	487	12,249	25.2	19,314	39.7	1.58	12.91	6.66
Natural Gas	448	13,195	29.4	20,182	45.0	1.53	11.88	5.82
Propane	123	1,480	12.0	2,450	19.8	1.66	19.63	17.79
Percent of Floorspace Heated								
Not Heated	554	4,425	8.0	1,833	3.3	0.41	24.70	12.57
1 to 50	555	6,227	11.2	4,024	7.2	0.65	16.26	8.93
51 to 99	633	8,868	14.0	11,724	18.5	1.32	14.57	8.08
100	2,836	39,252	13.8	52,337	18.5	1.33	12.48	3.30
Percent of Floorspace Cooled								
Not Cooled	1,198	8,837	7.4	4,818	4.0	0.55	12.08	8.47
1 to 50	930	15,027	16.2	11,919	12.8	0.79	11.42	6.90
51 to 99	635	12,549	19.8	18,400	29.0	1.47	13.53	6.27
100	1,816	22,359	12.3	34,781	19.2	1.56	13.81	4.44
Percent Lit when Open								
Zero	36	189	5.2	Q	Q	Q	Q	30.63
1 to 50	666	6,008	9.0	4,252	6.4	0.71	13.82	10.05
51 to 99	745	9,692	13.0	11,682	15.7	1.21	13.22	7.15
100	2,814	40,514	14.4	53,711	19.1	1.33	13.09	3.77
Building Not in Use/ Electricity Not Used	318	2,369	7.5	246	0.8	0.10	9.59	19.14

See footnotes at end of table.

Table 4. Expenditures for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	All Buildings			Sum of Major Fuel Expenditures				RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (million dollars)	per Building (thousand dollars)	per Square Foot (dollars)	per Million Btu (dollars)	
RSE Column Factor:	1.2	0.9	0.9	1.2	1.2	0.9	0.7	
Percent Lit when Closed								
Zero	1,644	13,101	8.0	10,364	6.3	0.79	13.77	6.54
1 to 50	2,109	30,711	14.6	37,023	17.6	1.21	14.03	4.20
51 to 100	87	1,914	22.0	3,077	35.4	1.61	14.80	17.30
Never Closed	421	10,677	25.4	19,207	45.7	1.80	11.32	6.48
Building Not in Use/ Electricity Not Used	318	2,369	7.5	246	0.8	0.10	9.59	23.06
Energy Conservation Features (more than one may apply)								
Any Conservation Features	4,075	55,288	13.6	68,728	16.9	1.24	13.07	3.13
Building Shell	3,906	53,190	13.6	66,909	17.1	1.26	13.03	3.24
HVAC	2,529	44,657	17.7	59,844	23.7	1.34	12.95	3.41
Lighting	2,084	38,537	18.5	52,428	25.2	1.36	13.07	3.80

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 5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1995

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)				Total Floorspace of Buildings (million square feet)				Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
RSE Column Factor:	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
All Buildings	1,035	1,497	1,684	1,106	11,883	14,322	20,830	11,736	87.1	104.5	80.8	94.2	7.61
Building Floorspace (square feet)													
1,001 to 5,000	125	189	251	143	995	1,772	2,428	1,144	125.9	106.7	103.4	124.9	13.15
5,001 to 10,000	82	161	185	196	1,223	1,678	2,786	1,842	66.6	96.1	66.3	106.5	21.55
10,001 to 25,000	140	233	315	136	2,118	2,701	4,481	2,317	66.0	86.2	70.3	58.8	15.98
25,001 to 50,000	123	169	189	149	1,380	1,726	2,664	1,905	89.3	98.0	70.8	78.1	11.30
50,001 to 100,000	113	199	213	173	1,371	1,920	2,980	1,697	82.7	103.5	71.6	101.9	12.57
100,001 to 200,000	134	205	254	95	1,377	1,896	2,428	1,075	97.2	108.0	104.5	88.2	17.20
200,001 to 500,000	155	179	156	147	1,389	1,520	1,679	965	111.3	117.8	92.7	152.4	15.75
Over 500,000	164	162	122	67	2,029	1,110	1,384	791	80.7	145.9	88.0	84.4	20.94
Principal Building Activity													
Education	161	173	146	134	1,930	1,997	2,315	1,498	83.4	86.8	62.9	89.3	13.07
Food Sales	Q	Q	56	32	Q	Q	287	209	Q	Q	196.4	151.3	17.06
Food Service	Q	82	133	69	166	474	443	271	Q	172.9	299.9	253.5	26.57
Health Care	113	144	193	110	408	466	916	543	278.4	308.6	211.2	202.6	18.50
Lodging	62	136	147	115	350	909	1,313	1,047	178.0	150.0	111.8	110.2	16.79
Mercantile and Service	173	322	354	123	2,838	3,203	4,864	1,822	61.0	100.7	72.9	67.4	15.91
Office	188	261	304	265	2,154	2,338	3,483	2,503	87.4	111.7	87.4	105.9	12.63
Public Assembly	75	108	118	Q	694	957	1,367	930	108.2	113.3	86.3	Q	19.85
Public Order and Safety	51	30	25	Q	548	300	308	Q	92.6	99.5	81.8	Q	32.29
Religious Worship	19	33	24	28	442	633	1,006	711	42.7	52.1	24.0	39.8	21.56
Warehouse and Storage	68	105	113	38	1,480	2,044	3,436	1,522	46.0	51.3	33.0	25.2	19.81
Other	Q	Q	57	Q	Q	402	289	Q	Q	145.7	197.8	Q	35.58
Vacant	7	Q	12	11	627	531	804	422	Q	Q	15.1	25.9	32.87
Year Constructed													
1919 or Before	79	135	32	46	1,226	1,529	514	404	64.1	88.2	62.1	114.6	26.35
1920 to 1945	129	201	111	67	1,794	2,314	1,709	893	71.9	87.0	64.8	75.3	18.32
1946 to 1959	192	267	197	171	1,944	2,268	3,192	1,894	98.7	117.6	61.6	90.3	15.40
1960 to 1969	199	265	336	224	2,344	2,356	3,856	2,302	84.8	112.5	87.1	97.4	12.11
1970 to 1979	189	266	410	260	1,658	2,435	4,344	2,895	114.0	109.4	94.4	89.7	12.95
1980 to 1989	157	265	397	241	2,128	2,324	5,371	2,429	73.6	113.9	73.9	99.3	15.34
1990 to 1992	51	53	129	63	443	545	1,094	509	116.1	97.6	118.2	123.6	23.27
1993 to 1995	40	45	72	33	347	552	750	410	115.3	81.1	96.0	80.6	26.86
Floors													
One	224	461	756	405	3,337	5,298	11,019	4,897	67.1	86.9	68.7	82.7	12.68
Two	211	315	363	233	2,738	3,537	4,788	3,059	77.0	89.0	75.8	76.2	12.40
Three	168	241	134	132	2,103	2,306	1,644	1,282	80.0	104.3	81.4	103.0	14.77
Four to Nine	284	381	302	262	2,347	2,461	2,165	1,816	121.1	154.6	139.3	144.5	14.52
Ten or More	148	100	129	73	1,359	720	1,214	682	109.0	139.3	106.3	107.3	18.50
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	87	357	Q	54	1,094	3,598	Q	406	79.7	99.3	Q	Q	17.65
5,500-7,000 HDD	472	835	Q	284	4,956	7,615	Q	2,026	95.3	109.6	Q	140.3	15.37
4,000-5,499 HDD	476	304	435	192	5,833	3,109	4,342	1,872	81.6	97.9	100.1	102.4	16.88
Fewer than 4,000 HDD	Q	Q	635	443	Q	Q	7,778	5,713	Q	Q	81.6	77.6	10.66
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	614	132	Q	Q	8,711	1,719	Q	Q	70.5	76.8	17.05
Workers (main shift)													
Fewer than 5	128	204	248	209	2,430	3,584	5,345	2,526	52.7	56.9	46.4	82.8	15.34
5 to 9	61	207	138	102	1,057	1,764	2,082	1,387	57.9	117.5	66.1	73.7	18.15
10 to 19	109	148	252	105	1,317	1,511	2,701	1,572	82.8	97.9	93.4	66.7	18.26
20 to 49	181	247	286	154	1,807	2,390	3,212	1,723	100.4	103.3	88.9	89.7	12.62
50 to 99	101	176	209	144	1,264	1,504	2,733	1,430	80.0	116.7	76.4	101.0	13.12
100 to 249	138	193	182	136	1,429	1,579	1,755	1,224	96.9	121.9	103.5	111.0	14.30
250 or More	316	323	369	254	2,577	1,990	3,001	1,875	122.6	162.2	123.1	135.7	14.70

See footnotes at end of table.

Table 5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)				Total Floorspace of Buildings (million square feet)				Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
RSE Column Factor:	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
Weekly Operating Hours													
39 or Fewer	37	56	55	32	1,119	1,601	2,311	1,103	33.0	35.1	23.8	28.7	19.76
40 to 48	135	281	286	177	2,168	3,520	4,912	2,633	62.3	79.8	58.2	67.4	14.01
49 to 60	168	246	298	226	2,482	2,378	4,786	2,596	67.5	103.3	62.2	87.2	13.36
61 to 84	158	253	241	144	2,111	2,626	3,276	2,040	74.9	96.2	73.6	70.7	12.90
85 to 167	161	199	233	238	1,411	1,633	1,804	1,353	114.3	121.6	129.1	175.8	18.06
Open Continuously	376	463	571	288	2,592	2,564	3,740	2,012	145.1	180.6	152.7	143.3	11.57
Ownership and Occupancy													
Nongovernment Owned	741	1,104	1,308	797	8,946	11,414	17,056	9,280	82.9	96.7	76.7	85.8	8.00
Owner Occupied	623	946	1,096	622	6,972	9,403	12,664	6,533	89.3	100.6	86.5	95.2	9.03
Nonowner Occupied	116	148	209	173	1,622	1,644	3,841	2,590	71.7	90.0	54.5	66.9	14.21
Unoccupied	Q	Q	Q	Q	Q	366	551	157	Q	Q	Q	Q	36.22
Government Owned	294	393	376	309	2,937	2,909	3,774	2,456	100.2	135.0	99.6	125.8	13.78
Federal	39	Q	83	68	398	406	451	Q	Q	184.2	184.8	137.9	37.40
State	107	124	107	Q	758	834	741	518	141.4	148.3	144.3	193.3	23.84
Local	148	194	185	141	1,781	1,669	2,582	1,442	83.0	116.5	71.8	97.5	17.45
Space in Building Vacant for at Least Three Consecutive Months													
Yes	215	307	378	220	3,288	3,691	5,649	3,216	65.3	83.2	66.8	68.5	12.81
No	821	1,190	1,306	885	8,595	10,632	15,181	8,520	95.5	111.9	86.0	103.9	8.62
Energy Sources (more than one may apply)													
Electricity	1,031	1,492	1,683	1,105	11,444	13,887	20,158	11,587	90.1	107.4	83.5	95.4	7.38
Natural Gas	683	1,271	1,206	771	7,108	10,905	12,291	7,841	96.1	116.5	98.1	98.3	8.37
Fuel Oil	529	390	550	262	5,423	2,681	4,175	2,142	97.5	145.6	131.8	122.5	12.37
District Heat	280	320	219	Q	1,768	1,902	1,038	949	158.5	168.1	210.6	Q	21.21
District Chilled Water	73	164	160	Q	291	778	919	533	251.6	210.3	174.4	Q	22.82
Propane	129	84	142	38	1,689	1,093	2,012	550	76.3	76.7	70.4	68.8	21.69
Other	57	64	33	Q	728	613	656	339	77.9	105.0	50.0	Q	25.50
Energy End Uses (more than one may apply)													
Buildings with Space Heating	1,031	1,490	1,657	1,069	11,180	13,511	18,900	10,756	92.3	110.3	87.7	99.4	7.82
Buildings with Cooling	918	1,370	1,647	987	9,523	12,033	18,606	9,772	96.4	113.9	88.5	101.0	7.93
Buildings with Water Heating	1,008	1,439	1,577	1,067	10,778	12,517	17,511	10,754	93.5	115.0	90.0	99.2	7.70
Buildings with Cooking	512	676	804	515	4,634	4,785	7,173	4,121	110.5	141.2	112.0	124.9	9.26
Buildings with Manufacturing	59	130	92	26	683	1,057	1,456	697	86.0	123.1	62.9	37.9	23.71
Buildings with Electricity Generation	428	442	541	294	3,877	2,738	4,360	2,391	110.4	161.3	124.1	123.1	10.90
Space-Heating Energy Sources (more than one may apply)													
Electricity	275	418	817	398	3,081	4,058	9,971	5,046	89.3	102.9	82.0	78.9	11.24
Natural Gas	457	1,093	899	647	5,043	9,826	9,805	6,861	90.6	111.2	91.7	94.2	9.22
Fuel Oil	324	170	207	Q	3,856	1,018	1,540	192	84.0	167.0	134.7	107.6	21.44
District Heat	277	320	207	232	1,765	1,902	1,006	933	157.0	168.1	205.5	Q	19.37
Propane	50	17	55	Q	540	401	959	124	93.4	43.2	57.6	48.7	30.47
Other	Q	26	10	Q	Q	242	283	160	Q	107.0	35.9	Q	28.55
Primary Space-Heating Energy Source													
Electricity	89	126	554	237	1,099	1,549	7,403	3,449	80.9	81.4	74.8	68.7	15.09
Natural Gas	419	1,023	808	589	4,696	9,293	8,728	6,091	89.3	110.1	92.5	96.7	9.65
Fuel Oil	224	Q	60	Q	3,020	Q	802	Q	74.3	Q	74.5	Q	17.26
District Heat	250	308	192	226	1,600	1,839	945	905	156.5	167.4	203.7	Q	19.85
Propane	37	8	23	Q	435	313	713	Q	85.8	24.0	31.5	Q	34.12
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Sources (more than one may apply)													
Electricity	846	1,256	1,582	848	8,986	11,424	18,133	9,219	94.1	109.9	87.3	92.0	7.56
Natural Gas	72	Q	Q	44	387	354	247	326	187.2	209.4	Q	133.6	30.22
District Chilled Water	73	164	160	Q	291	778	919	533	251.6	210.3	174.4	Q	22.82

See footnotes at end of table.

Table 5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)				Total Floorspace of Buildings (million square feet)				Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
RSE Column Factor:	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
Water-Heating Energy Sources (more than one may apply)													
Electricity	318	392	660	287	4,689	4,516	9,757	4,094	67.9	86.9	67.6	70.0	10.90
Natural Gas	413	918	841	598	3,848	7,261	7,767	5,983	107.2	126.4	108.3	99.9	9.49
Fuel Oil	147	Q	35	Q	1,668	Q	309	Q	88.3	Q	113.9	Q	22.39
District Heat	206	211	141	203	1,260	1,271	646	772	163.6	166.3	219.0	Q	20.90
Propane	Q	Q	15	Q	325	224	279	Q	Q	77.6	54.9	49.4	31.11
Cooking Energy Sources (more than one may apply)													
Electricity	258	460	482	297	2,437	3,015	4,311	2,485	105.8	152.5	111.7	119.3	12.07
Natural Gas	330	478	544	346	2,914	3,506	4,167	2,609	113.2	136.4	130.6	132.7	11.37
Propane	56	Q	44	Q	621	Q	594	Q	89.6	Q	74.4	Q	29.58
Percent of Floorspace Heated													
Not Heated	Q	Q	27	37	703	811	1,930	981	Q	Q	13.8	37.3	25.89
1 to 50	46	57	90	55	1,018	1,171	2,379	1,658	45.0	48.3	37.7	33.4	20.13
51 to 99	204	128	292	180	2,501	1,480	2,856	2,032	81.6	86.8	102.4	88.5	16.78
100	782	1,305	1,275	834	7,661	10,860	13,666	7,066	102.0	120.1	93.3	118.0	8.13
Percent of Floorspace Cooled													
Not Cooled	117	127	36	118	2,360	2,289	2,224	1,964	49.8	55.3	16.4	60.2	18.74
1 to 50	278	375	240	151	3,784	4,414	4,311	2,517	73.4	85.0	55.7	60.0	14.97
51 to 99	337	375	418	230	3,063	3,040	4,262	2,184	109.9	123.4	98.1	105.4	11.57
100	304	620	989	606	2,677	4,578	10,033	5,071	113.4	135.4	98.6	119.5	10.24
Percent Lit when Open													
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	74	97	79	58	1,130	1,598	2,172	1,109	65.7	60.6	36.5	51.9	16.46
51 to 99	218	254	242	169	2,418	2,247	3,011	2,016	90.1	113.2	80.5	83.9	13.62
100	734	1,134	1,359	876	7,787	9,874	14,608	8,245	94.3	114.9	93.0	106.2	8.92
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	524	586	935	324	Q	Q	Q	Q	26.86
Percent Lit when Closed													
Zero	127	215	235	176	2,400	3,397	4,695	2,609	52.9	63.2	50.0	67.5	14.43
1 to 50	485	781	804	569	5,872	7,602	10,761	6,476	82.6	102.8	74.7	87.9	9.66
51 to 100	40	27	71	69	546	197	826	345	73.9	135.5	86.4	201.4	28.15
Never Closed	374	463	571	288	2,541	2,539	3,614	1,983	147.3	182.3	158.0	145.2	12.91
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	524	586	935	324	Q	Q	Q	Q	33.10
Energy Conservation Features (more than one may apply)													
Any Conservation Features	1,030	1,485	1,657	1,088	11,118	13,733	19,139	11,297	92.6	108.1	86.6	96.3	7.75
Building Shell	984	1,457	1,628	1,066	10,464	13,162	18,757	10,806	94.1	110.7	86.8	98.7	7.93
HVAC	951	1,322	1,394	954	9,854	10,764	14,904	9,135	96.5	122.8	93.5	104.5	8.06
Lighting	851	1,149	1,209	803	8,920	9,495	12,087	8,036	95.4	121.0	100.1	99.9	7.53

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. • 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 6. Expenditures by Census Region for Sum of Major Fuels, 1995

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars) per Million Btu				Sum of Major Fuel Expenditures (dollars) per Square Foot				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
RSE Column Factor:	1.4	1.3	1.1	1.6	0.9	0.7	0.6	0.8	1.0	0.9	0.8	1.3	
All Buildings	16,479	15,076	22,211	16,152	15.92	10.07	13.19	14.61	1.39	1.05	1.07	1.38	6.09
Building Floorspace (square feet)													
1,001 to 5,000	2,574	2,339	4,004	2,660	20.55	12.38	15.95	18.62	2.59	1.32	1.65	2.33	10.49
5,001 to 10,000	1,489	1,422	2,487	2,664	18.27	8.82	13.47	Q	1.22	0.85	0.89	1.45	16.32
10,001 to 25,000	2,297	2,570	3,954	2,278	16.43	11.03	12.55	16.71	1.08	0.95	0.88	0.98	13.73
25,001 to 50,000	1,934	1,770	2,568	2,404	15.70	10.46	13.62	16.16	1.40	1.03	0.96	1.26	9.60
50,001 to 100,000	1,751	2,096	2,820	2,158	15.44	10.54	13.22	12.49	1.28	1.09	0.95	1.27	10.31
100,001 to 200,000	1,889	1,777	2,922	1,270	14.12	8.68	11.52	13.40	1.37	0.94	1.20	1.18	13.43
200,001 to 500,000	1,936	1,543	2,061	1,751	12.53	8.61	13.23	11.91	1.39	1.02	1.23	1.81	14.03
Over 500,000	2,609	1,559	1,395	966	15.92	9.63	11.46	14.48	1.29	1.41	1.01	1.22	19.16
Principal Building Activity													
Education	2,106	1,503	1,845	1,675	13.09	8.67	12.66	12.52	1.09	0.75	0.80	1.12	11.01
Food Sales	Q	Q	967	733	Q	Q	17.17	23.23	Q	Q	3.37	3.52	13.03
Food Service	Q	990	1,682	1,031	Q	12.08	12.67	14.98	Q	2.09	3.80	3.80	22.74
Health Care	1,061	1,010	1,916	1,274	9.35	7.03	9.90	11.57	2.60	2.17	2.09	2.34	13.72
Lodging	821	1,202	1,652	1,440	13.18	8.82	11.25	12.48	2.35	1.32	1.26	1.38	15.38
Mercantile and Service	3,206	3,458	4,847	2,513	18.52	10.72	13.68	20.45	1.13	1.08	1.00	1.38	12.73
Office	3,691	3,202	4,676	4,279	19.61	12.26	15.37	16.15	1.71	1.37	1.34	1.71	9.25
Public Assembly	1,084	1,068	1,625	1,211	14.43	9.85	13.78	Q	1.56	1.12	1.19	1.30	20.30
Public Order and Safety	670	272	298	Q	13.21	9.12	11.85	Q	1.22	0.91	0.97	Q	26.12
Religious Worship	303	268	387	379	16.07	8.11	16.03	13.40	0.69	0.42	0.39	0.53	17.64
Warehouse and Storage	1,289	1,054	1,492	874	18.93	10.06	13.17	22.79	0.87	0.52	0.43	0.57	15.15
Other	Q	575	620	Q	Q	9.81	10.84	Q	Q	1.43	2.14	Q	27.99
Vacant	87	Q	203	168	12.80	Q	16.77	15.39	Q	0.34	0.25	0.40	33.15
Year Constructed													
1919 or Before	1,090	1,351	454	415	13.87	10.02	14.22	8.97	0.89	0.88	0.88	1.03	20.38
1920 to 1945	1,620	1,932	1,351	762	12.56	9.60	12.19	11.34	0.90	0.83	0.79	0.85	16.63
1946 to 1959	2,928	2,279	2,482	2,124	15.25	8.54	12.63	12.42	1.51	1.00	0.78	1.12	13.32
1960 to 1969	3,157	2,388	4,002	3,588	15.88	9.01	11.91	16.00	1.35	1.01	1.04	1.56	10.70
1970 to 1979	2,870	2,775	5,300	4,421	15.18	10.41	12.93	17.03	1.73	1.14	1.22	1.53	9.84
1980 to 1989	3,339	3,214	5,949	3,393	21.32	12.15	14.99	14.07	1.57	1.38	1.11	1.40	12.50
1990 to 1992	721	679	1,695	916	14.04	12.78	13.10	14.55	1.63	1.25	1.55	1.80	19.62
1993 to 1995	753	458	978	533	18.83	10.23	13.58	16.13	2.17	0.83	1.30	1.30	21.63
Floors													
One	4,423	5,116	10,933	6,627	19.76	11.11	14.45	16.37	1.33	0.97	0.99	1.35	10.04
Two	3,665	3,312	4,560	3,873	17.38	10.52	12.57	16.61	1.34	0.94	0.95	1.27	9.65
Three	2,524	2,232	1,678	1,593	15.00	9.28	12.54	12.06	1.20	0.97	1.02	1.24	13.22
Four to Nine	3,499	3,378	3,292	3,076	12.31	8.87	10.92	11.72	1.49	1.37	1.52	1.69	12.42
Ten or More	2,367	1,038	1,749	984	15.98	10.35	13.55	13.44	1.74	1.44	1.44	1.44	15.16
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	1,431	3,147	Q	396	16.42	8.81	Q	7.31	1.31	0.87	Q	Q	11.91
5,500-7,000 HDD	7,234	8,418	Q	2,170	15.32	10.08	Q	7.63	1.46	1.11	Q	1.07	10.46
4,000-5,499 HDD	7,814	3,510	5,272	2,187	16.42	11.53	12.13	11.40	1.34	1.13	1.21	1.17	11.67
Fewer than 4,000 HDD	Q	Q	8,061	8,762	Q	Q	12.70	19.76	Q	Q	1.04	1.53	7.65
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	8,879	2,637	Q	Q	14.45	19.98	Q	Q	1.02	1.53	12.00
Workers (main shift)													
Fewer than 5	2,291	2,327	3,733	2,608	17.89	11.41	15.04	12.46	0.94	0.65	0.70	1.03	14.03
5 to 9	1,100	1,901	2,099	1,839	17.96	9.17	15.25	17.99	1.04	1.08	1.01	1.33	14.89
10 to 19	1,914	1,575	3,089	1,831	17.56	10.65	12.25	17.45	1.45	1.04	1.14	1.16	16.03
20 to 49	2,913	2,541	3,756	2,571	16.05	10.29	13.15	16.64	1.61	1.06	1.17	1.49	10.92
50 to 99	1,605	1,741	2,855	1,938	15.87	9.92	13.67	13.42	1.27	1.16	1.04	1.36	12.09
100 to 249	2,112	1,850	2,174	1,970	15.25	9.61	11.96	14.50	1.48	1.17	1.24	1.61	11.33
250 or More	4,543	3,141	4,504	3,395	14.38	9.74	12.19	13.34	1.76	1.58	1.50	1.81	12.09

See footnotes at end of table.

Table 6. Expenditures by Census Region for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars) per Million Btu				Sum of Major Fuel Expenditures (dollars) per Square Foot				RSE Row Factor
	Northeast	Midwest	South	West	Northeast	Midwest	South	West	Northeast	Midwest	South	West	
RSE Column Factor:	1.4	1.3	1.1	1.6	0.9	0.7	0.6	0.8	1.0	0.9	0.8	1.3	
Weekly Operating Hours													
39 or Fewer	547	538	822	493	14.81	9.59	14.92	15.56	0.49	0.34	0.36	0.45	17.38
40 to 48	2,292	2,683	4,028	2,828	16.96	9.56	14.10	15.94	1.06	0.76	0.82	1.07	11.19
49 to 60	2,868	2,418	4,153	3,727	17.11	9.85	13.95	16.48	1.16	1.02	0.87	1.44	11.03
61 to 84	2,600	2,797	3,700	2,601	16.44	11.07	15.34	18.04	1.23	1.07	1.13	1.28	10.52
85 to 167	2,984	2,385	3,316	2,908	18.49	12.00	14.24	12.22	2.11	1.46	1.84	2.15	16.90
Open Continuously	5,188	4,254	6,193	3,595	13.79	9.19	10.84	12.47	2.00	1.66	1.66	1.79	10.77
Ownership and Occupancy													
Nongovernment Owned	12,495	11,686	17,905	12,396	16.86	10.59	13.69	15.56	1.40	1.02	1.05	1.34	6.30
Owner Occupied	10,177	9,842	14,486	8,617	16.34	10.40	13.22	13.85	1.46	1.05	1.14	1.32	7.18
Nonowner Occupied	2,286	1,754	3,353	3,739	19.66	11.85	16.01	21.57	1.41	1.07	0.87	1.44	10.31
Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Government Owned	3,984	3,389	4,306	3,755	13.54	8.63	11.46	12.15	1.36	1.17	1.14	1.53	12.75
Federal	Q	Q	880	801	Q	10.16	10.54	11.69	1.47	1.87	1.95	Q	28.98
State	1,293	1,090	1,064	1,352	12.07	8.81	9.95	13.51	1.71	1.31	1.44	2.61	23.34
Local	2,104	1,540	2,362	1,603	14.24	7.92	12.74	11.41	1.18	0.92	0.91	1.11	13.52
Space in Building Vacant for at Least Three Consecutive Months													
Yes	3,586	3,109	4,999	3,499	16.71	10.12	13.24	15.89	1.09	0.84	0.88	1.09	10.52
No	12,893	11,967	17,212	12,653	15.71	10.06	13.18	14.29	1.50	1.13	1.13	1.49	6.94
Energy Sources (more than one may apply)													
Electricity	16,455	15,060	22,210	16,151	15.96	10.10	13.19	14.61	1.44	1.08	1.10	1.39	5.64
Natural Gas	10,166	12,267	14,349	11,229	14.89	9.65	11.89	14.57	1.43	1.12	1.17	1.43	6.77
Fuel Oil	7,006	3,547	6,281	3,360	13.24	9.09	11.41	12.81	1.29	1.32	1.50	1.57	8.91
District Heat	3,695	2,912	2,055	1,922	13.19	9.10	9.40	8.25	2.09	1.53	1.98	Q	23.13
District Chilled Water	755	1,436	1,714	1,169	10.32	8.78	10.69	Q	2.60	1.85	1.86	2.20	24.21
Propane	2,560	1,050	1,875	668	19.87	12.54	13.24	17.65	1.52	0.96	0.93	1.21	16.13
Other	844	666	453	Q	14.88	10.34	13.84	Q	1.16	1.09	0.69	Q	22.24
Energy End Uses (more than one may apply)													
Buildings with Space Heating	16,354	14,975	21,721	15,035	15.85	10.05	13.11	14.06	1.46	1.11	1.15	1.40	6.17
Buildings with Cooling	14,913	13,894	21,751	14,543	16.25	10.14	13.20	14.73	1.57	1.15	1.17	1.49	6.44
Buildings with Water Heating	16,033	14,450	20,598	15,385	15.91	10.04	13.06	14.42	1.49	1.15	1.18	1.43	6.20
Buildings with Cooking	7,787	6,553	10,417	6,854	15.21	9.70	12.96	13.32	1.68	1.37	1.45	1.66	8.14
Buildings with Manufacturing	924	1,365	1,279	461	15.74	10.48	13.96	17.44	1.35	1.29	0.88	0.66	19.61
Buildings with Electricity Generation	6,178	4,153	6,453	4,045	14.43	9.40	11.93	13.74	1.59	1.52	1.48	1.69	9.55
Space-Heating Energy Sources (more than one may apply)													
Electricity	5,195	4,746	11,733	6,662	18.89	11.36	14.35	16.74	1.69	1.17	1.18	1.32	7.99
Natural Gas	7,162	10,471	10,832	9,400	15.68	9.58	12.04	14.54	1.42	1.07	1.10	1.37	7.52
Fuel Oil	4,239	1,312	2,290	202	13.09	7.72	11.04	9.80	1.10	1.29	1.49	1.05	16.27
District Heat	3,683	2,912	1,984	1,912	13.30	9.10	9.59	8.22	2.09	1.53	1.97	2.05	18.47
Propane	1,323	265	749	Q	26.21	15.30	13.55	18.97	2.45	0.66	0.78	0.92	19.54
Other	Q	278	170	Q	Q	10.75	16.76	Q	Q	1.15	0.60	Q	25.53
Primary Space-Heating Energy Source													
Electricity	1,968	1,904	8,841	4,612	22.13	15.10	15.97	19.47	1.79	1.23	1.19	1.34	10.89
Natural Gas	6,632	9,792	9,511	8,336	15.82	9.57	11.78	14.16	1.41	1.05	1.09	1.37	7.88
Fuel Oil	2,995	Q	734	Q	13.35	Q	12.28	Q	0.99	Q	0.91	Q	14.53
District Heat	3,365	2,842	1,932	1,848	13.44	9.23	10.03	8.17	2.10	1.55	2.04	2.04	18.74
Propane	1,111	150	438	Q	29.78	19.97	19.48	Q	2.55	0.48	0.61	Q	18.54
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99

See footnotes at end of table.

Table 6. Expenditures by Census Region for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars) per Million Btu				Sum of Major Fuel Expenditures (dollars) per Square Foot				RSE Row Factor
	Northeast	Midwest	South	West	Northeast	Midwest	South	West	Northeast	Midwest	South	West	
RSE Column Factor:	1.4	1.3	1.1	1.6	0.9	0.7	0.6	0.8	1.0	0.9	0.8	1.3	
Cooling Energy Sources (more than one may apply)													
Electricity	14,084	12,840	21,083	13,373	16.65	10.23	13.32	15.77	1.57	1.12	1.16	1.45	6.07
Natural Gas	734	Q	Q	594	10.15	9.14	Q	13.63	1.90	1.91	Q	1.82	25.21
District Chilled Water	755	1,436	1,714	1,169	10.32	8.78	10.69	Q	2.60	1.85	1.86	2.20	24.21
Water-Heating Energy Sources (more than one may apply)													
Electricity	6,138	4,831	10,229	5,641	19.28	12.31	15.50	19.68	1.31	1.07	1.05	1.38	7.95
Natural Gas	6,027	8,575	9,686	8,395	14.61	9.34	11.52	14.04	1.57	1.18	1.25	1.40	7.83
Fuel Oil	1,760	Q	394	Q	11.95	Q	11.21	Q	1.06	Q	1.28	Q	16.24
District Heat	2,708	1,883	1,344	1,609	13.14	8.91	9.50	7.93	2.15	1.48	2.08	2.08	21.59
Propane	Q	Q	263	233	Q	17.44	17.20	24.66	Q	1.35	0.94	1.22	24.61
Cooking Energy Sources (more than one may apply)													
Electricity	4,158	4,546	6,497	4,113	16.12	9.89	13.49	13.87	1.71	1.51	1.51	1.66	10.97
Natural Gas	4,876	4,480	6,401	4,424	14.78	9.37	11.76	12.78	1.67	1.28	1.54	1.70	8.94
Propane	1,266	Q	695	Q	22.76	Q	15.73	Q	2.04	Q	1.17	Q	21.93
Percent of Floorspace Heated													
Not Heated	Q	100	490	1,117	Q	Q	18.47	30.50	Q	0.12	0.25	1.14	22.82
1 to 50	849	584	1,421	1,170	18.53	10.32	15.84	21.14	0.83	0.50	0.60	0.71	14.88
51 to 99	3,656	1,356	3,812	2,900	17.91	10.56	13.04	16.13	1.46	0.92	1.33	1.43	12.27
100	11,849	13,035	16,488	10,965	15.16	9.99	12.93	13.15	1.55	1.20	1.21	1.55	6.66
Percent of Floorspace Cooled													
Not Cooled	1,566	1,182	461	1,609	13.33	9.33	12.64	13.61	0.66	0.52	0.21	0.82	15.45
1 to 50	3,981	3,166	2,746	2,026	14.34	8.44	11.45	13.42	1.05	0.72	0.64	0.80	12.26
51 to 99	5,310	3,918	5,772	3,401	15.77	10.44	13.81	14.77	1.73	1.29	1.35	1.56	9.10
100	5,623	6,810	13,233	9,116	18.52	10.99	13.37	15.04	2.10	1.49	1.32	1.80	8.61
Percent Lit when Open													
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	1,222	970	1,079	982	16.46	10.03	13.62	17.04	1.08	0.61	0.50	0.89	17.51
51 to 99	3,157	2,483	3,443	2,599	14.49	9.76	14.21	15.37	1.31	1.10	1.14	1.29	11.75
100	11,986	11,563	17,624	12,538	16.33	10.19	12.97	14.31	1.54	1.17	1.21	1.52	7.19
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Percent Lit when Closed													
Zero	2,133	2,166	3,392	2,672	16.81	10.09	14.45	15.17	0.89	0.64	0.72	1.02	12.14
1 to 50	8,329	8,327	11,526	8,841	17.18	10.66	14.34	15.53	1.42	1.10	1.07	1.37	8.03
51 to 100	733	271	1,049	1,023	18.17	10.15	14.71	14.73	1.34	1.38	1.27	2.97	24.43
Never Closed	5,176	4,254	6,193	3,584	13.83	9.19	10.84	12.45	2.04	1.68	1.71	1.81	10.19
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Energy Conservation Features (more than one may apply)													
Any Conservation Features	16,354	14,926	21,770	15,677	15.88	10.05	13.14	14.41	1.47	1.09	1.14	1.39	6.17
Building Shell	15,686	14,617	21,345	15,261	15.94	10.03	13.11	14.31	1.50	1.11	1.14	1.41	6.26
HVAC	15,083	13,221	18,099	13,441	15.86	10.00	12.99	14.09	1.53	1.23	1.21	1.47	6.44
Lighting	13,784	11,424	15,221	11,999	16.20	9.95	12.59	14.94	1.55	1.20	1.26	1.49	6.20

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. • 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 7. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels, 1995

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	
RSE Column Factor:	1.4	1.0	1.2	1.0	0.8	0.8	1.2	0.8	1.0	
All Buildings	1,332	2,152	1,838	13,869	27,261	17,643	96.0	78.9	104.2	5.80
Principal Building Activity										
Education	71	352	191	654	4,623	2,464	108.1	76.1	77.7	11.73
Food Sales	78	59	Q	367	269	Q	212.6	217.2	Q	17.95
Food Service	265	66	Q	940	406	Q	281.5	161.9	Q	21.21
Health Care	36	82	443	294	556	1,483	122.4	148.2	298.3	16.60
Lodging	53	236	172	419	1,873	1,327	125.5	126.2	129.5	16.29
Mercantile and Service	363	396	214	4,043	5,393	3,292	89.7	73.4	65.1	14.78
Office	172	401	445	1,999	4,416	4,063	86.3	90.8	109.6	9.87
Public Assembly	Q	193	115	1,098	1,924	925	Q	100.0	124.0	16.99
Public Order and Safety	22	63	Q	233	755	283	92.8	83.3	Q	30.58
Religious Worship	41	62	Q	964	1,797	Q	42.3	34.8	Q	16.57
Warehouse and Storage	65	136	123	1,798	3,842	2,842	36.2	35.4	43.4	16.79
Other	Q	84	79	Q	531	308	Q	157.4	256.0	30.87
Vacant	Q	23	Q	896	876	611	Q	26.5	Q	34.34
Year Constructed										
1919 or Before	100	105	Q	1,198	1,750	724	83.2	60.0	120.0	18.55
1920 to 1945	142	209	157	1,836	2,586	2,288	77.2	80.8	68.8	13.78
1946 to 1959	263	352	212	2,890	4,495	1,914	91.0	78.3	110.6	13.47
1960 to 1969	198	447	380	2,021	5,265	3,572	97.8	84.8	106.3	10.80
1970 to 1979	218	402	505	2,432	4,861	4,040	89.5	82.8	125.0	11.31
1980 to 1989	273	448	339	2,189	6,326	3,737	124.6	70.8	90.6	12.07
1990 to 1992	101	91	105	684	1,038	868	147.6	87.8	120.6	18.23
1993 to 1995	39	98	53	620	940	499	62.1	104.2	107.1	22.33
Floors										
One	936	730	180	9,237	11,215	4,099	101.3	65.1	43.9	9.58
Two	263	665	193	3,244	8,009	2,869	81.2	83.1	67.3	10.35
Three	109	360	206	1,100	4,402	1,833	98.8	81.9	112.1	12.49
Four to Nine	23	378	828	284	3,488	5,017	82.8	108.2	165.0	14.56
Ten or More	Q	Q	431	Q	148	3,824	Q	Q	112.8	13.54
Census Region and Division										
Northeast	207	376	452	2,218	4,869	4,796	93.2	77.3	94.3	11.47
New England	48	119	108	566	1,550	1,024	84.0	76.7	105.0	16.86
Middle Atlantic	159	257	345	1,652	3,319	3,771	96.4	77.6	91.4	13.72
Midwest	350	601	546	3,450	6,347	4,525	101.5	94.7	120.6	10.47
East North Central	215	413	359	2,249	4,121	3,285	95.5	100.2	109.2	10.49
West North Central	135	188	187	1,201	2,227	1,241	112.7	84.4	150.7	21.47
South	436	717	531	5,214	10,126	5,491	83.6	70.8	96.7	9.03
South Atlantic	183	294	295	2,124	4,398	2,954	86.4	66.9	99.8	13.17
East South Central	119	211	87	1,348	2,667	902	88.2	79.2	96.4	17.78
West South Central	133	211	150	1,742	3,061	1,635	76.6	69.0	91.4	12.83
West	339	458	309	2,987	5,919	2,831	113.6	77.4	109.0	14.89
Mountain	Q	198	91	924	2,145	786	Q	92.4	115.9	18.80
Pacific	200	260	217	2,063	3,774	2,044	96.7	68.8	106.3	14.89
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	125	217	157	1,525	2,526	1,047	81.8	86.1	149.6	16.06
5,500-7,000 HDD	400	628	564	2,858	6,571	5,168	139.8	95.5	109.1	11.42
4,000-5,499 HDD	308	519	580	3,490	5,999	5,667	88.4	86.5	102.3	13.85
Fewer than 4,000 HDD	290	467	320	3,080	7,121	3,289	94.2	65.6	97.3	12.65
More than 2,000 CDD and --										
Fewer than 4,000 HDD	209	320	217	2,916	5,043	2,472	71.6	63.5	87.8	13.93

See footnotes at end of table.

Table 7. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	
RSE Column Factor:	1.4	1.0	1.2	1.0	0.8	0.8	1.2	0.8	1.0	
Workers (main shift)										
Fewer than 5	585	193	Q	7,820	5,094	971	74.8	37.9	Q	13.87
5 to 9	304	194	Q	2,810	3,187	294	108.1	60.8	Q	15.40
10 to 19	265	319	30	2,332	4,055	715	113.6	78.8	41.5	16.48
20 to 49	157	628	84	841	7,220	1,071	186.3	86.9	78.6	14.33
50 to 99	Q	401	209	Q	4,320	2,562	Q	92.8	81.8	11.24
100 to 249	Q	315	332	Q	2,540	3,432	Q	123.8	96.7	11.27
250 or More	Q	103	1,160	Q	846	8,598	Q	121.4	134.9	13.33
Weekly Operating Hours										
39 or Fewer	102	68	Q	3,163	2,356	615	32.2	28.9	Q	16.84
40 to 48	308	424	147	3,734	7,139	2,360	82.5	59.4	62.3	13.39
49 to 60	223	440	274	2,972	6,562	2,709	75.0	67.1	101.2	12.04
61 to 84	190	344	262	1,673	4,409	3,970	113.4	78.1	66.0	10.37
85 to 167	332	287	211	1,121	2,761	2,320	296.2	104.1	91.1	14.83
Open Continuously	177	588	933	1,206	4,034	5,669	147.0	145.8	164.6	10.46
Ownership and Occupancy										
Nongovernment Owned	1,137	1,591	1,221	12,315	21,480	12,901	92.4	74.1	94.7	6.27
Owner Occupied	930	1,284	1,073	9,770	15,773	10,030	95.2	81.4	107.0	7.03
Nonowner Occupied	200	302	144	1,976	5,278	2,443	101.4	57.3	59.1	12.22
Unoccupied	Q	Q	Q	569	429	Q	Q	Q	Q	31.89
Government Owned	194	561	616	1,553	5,781	4,742	125.1	97.1	130.0	12.76
Federal	Q	71	173	257	490	1,005	Q	145.5	172.4	32.20
State	36	177	226	239	1,164	1,447	149.2	151.8	155.8	19.96
Local	137	313	217	1,057	4,126	2,290	129.9	75.9	95.0	15.84
Space in Building Vacant for at Least Three Consecutive Months										
Yes	99	434	587	2,166	6,321	7,357	45.7	68.6	79.8	12.21
No	1,233	1,718	1,251	11,703	20,940	10,285	105.3	82.0	121.6	6.68
Energy Sources (more than one may apply)										
Electricity	1,330	2,149	1,833	13,014	26,840	17,222	102.2	80.1	106.4	5.68
Natural Gas	885	1,644	1,402	7,440	18,410	12,296	118.9	89.3	114.0	6.72
Fuel Oil	136	512	1,084	1,625	4,557	8,239	83.7	112.3	131.6	10.11
District Heat	Q	294	627	Q	1,766	3,680	Q	166.6	170.4	14.82
District Chilled Water	Q	120	338	Q	862	1,576	Q	139.1	214.7	18.83
Propane	144	170	79	1,878	2,541	925	76.5	66.9	84.9	16.53
Other	Q	81	66	692	1,055	588	Q	76.5	112.2	24.07
Energy End Uses (more than one may apply)										
Buildings with Space Heating	1,299	2,128	1,820	12,052	25,563	16,732	107.8	83.3	108.8	5.87
Buildings with Cooling	1,137	1,989	1,796	9,908	23,649	16,378	114.8	84.1	109.7	6.13
Buildings with Water Heating	1,177	2,099	1,814	10,269	24,724	16,567	114.6	84.9	109.5	5.97
Buildings with Cooking	414	795	1,297	2,241	8,104	10,368	184.7	98.2	125.1	7.71
Buildings with Manufacturing	32	146	128	564	2,006	1,323	57.6	72.8	97.0	22.07
Buildings with Electricity Generation	77	506	1,121	483	4,056	8,826	159.9	124.8	127.0	10.90
Space-Heating Energy Sources (more than one may apply)										
Electricity	412	793	703	4,269	10,618	7,269	96.6	74.7	96.7	8.63
Natural Gas	757	1,362	975	6,758	15,563	9,214	112.1	87.5	105.9	6.98
Fuel Oil	113	246	363	1,481	2,478	2,647	76.2	99.3	137.2	16.57
District Heat	Q	294	612	212	1,750	3,645	Q	167.9	167.9	15.22
Propane	72	41	Q	953	919	Q	75.9	45.1	Q	24.16
Other	19	29	Q	478	376	Q	40.7	76.7	Q	23.61

See footnotes at end of table.

Table 7. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	
RSE Column Factor:	1.4	1.0	1.2	1.0	0.8	0.8	1.2	0.8	1.0	
Primary Space-Heating Energy Source										
Electricity	275	420	310	2,841	6,724	3,935	96.9	62.5	78.7	11.15
Natural Gas	739	1,241	859	6,583	14,121	8,103	112.2	87.9	106.0	7.45
Fuel Oil	98	137	70	1,297	1,948	963	75.9	70.4	72.4	16.16
District Heat	Q	291	556	212	1,702	3,376	Q	170.7	164.8	15.51
Propane	45	22	Q	799	706	Q	56.9	31.4	Q	29.46
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Sources (more than one may apply)										
Electricity	1,034	1,873	1,625	9,707	22,699	15,355	106.5	82.5	105.8	5.77
Natural Gas	24	52	144	162	564	588	Q	93.0	244.2	29.68
District Chilled Water	Q	120	338	Q	862	1,576	Q	139.1	214.7	18.83
Water-Heating Energy Sources (more than one may apply)										
Electricity	425	676	556	4,991	10,744	7,322	85.2	63.0	75.9	8.85
Natural Gas	633	1,217	919	4,648	12,638	7,574	136.2	96.3	121.4	7.96
Fuel Oil	35	74	93	329	973	848	106.5	76.4	109.9	22.43
District Heat	Q	216	466	Q	1,220	2,691	Q	177.4	173.2	14.82
Propane	29	39	Q	308	561	Q	93.8	70.4	Q	31.69
Cooking Energy Sources (more than one may apply)										
Electricity	248	415	833	1,327	4,224	6,698	187.1	98.1	124.4	10.56
Natural Gas	281	525	892	1,257	4,817	7,121	223.8	109.0	125.3	9.61
Propane	43	59	23	299	796	385	142.6	74.7	59.1	28.83
Percent of Floorspace Heated										
Not Heated	33	23	18	1,817	1,698	910	18.0	13.8	19.7	30.06
1 to 50	98	89	60	1,835	2,828	1,564	53.5	31.6	38.3	15.68
51 to 99	195	316	294	1,972	3,847	3,049	98.7	82.2	96.4	15.09
100	1,006	1,723	1,466	8,245	18,888	12,120	122.0	91.2	121.0	6.04
Percent of Floorspace Cooled										
Not Cooled	195	162	42	3,961	3,612	1,265	49.2	45.0	32.9	16.59
1 to 50	239	538	267	2,949	7,810	4,268	80.9	68.9	62.5	12.35
51 to 99	200	458	703	1,720	5,039	5,789	116.0	90.8	121.4	9.34
100	699	994	826	5,239	10,800	6,320	133.4	92.0	130.7	8.56
Percent Lit when Open										
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	139	146	23	2,053	3,207	749	67.6	45.5	31.1	14.77
51 to 99	201	326	358	2,110	4,662	2,919	95.0	69.8	122.5	10.99
100	984	1,669	1,451	8,488	18,590	13,436	115.9	89.8	108.0	7.00
Building Not in Use/ Electricity Not Used	Q	11	Q	1,143	699	526	Q	Q	Q	34.28
Percent Lit when Closed										
Zero	323	345	85	5,087	6,706	1,308	63.4	51.4	64.9	13.80
1 to 50	786	1,146	707	6,335	15,230	9,147	124.1	75.3	77.3	7.25
51 to 100	37	63	107	282	625	1,007	132.9	101.3	106.4	25.01
Never Closed	177	586	933	1,021	4,001	5,654	173.6	146.5	164.9	11.70
Building Not in Use/ Electricity Not Used	Q	Q	Q	1,143	699	Q	Q	Q	Q	29.30

See footnotes at end of table.

Table 7. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	
RSE Column Factor:	**1.4**	**1.0**	**1.2**	**1.0**	**0.8**	**0.8**	**1.2**	**0.8**	**1.0**	
Energy Conservation Features (more than one may apply)										
Any Conservation Features	1,286	2,138	1,836	12,223	26,087	16,979	105.2	82.0	108.1	5.85
Building Shell	1,253	2,072	1,809	11,691	25,041	16,458	107.2	82.8	109.9	5.97
HVAC	962	1,874	1,784	7,270	21,466	15,921	132.4	87.3	112.1	6.32
Lighting	724	1,584	1,705	6,036	17,367	15,133	119.9	91.2	112.7	6.57

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. • 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 8. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels, 1995

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	
RSE Column Factor:	1.1	0.8	1.8	0.8	0.6	1.2	0.9	0.7	1.5	
All Buildings	1,626	3,208	487	19,680	34,443	4,649	82.6	93.2	104.7	6.88
Building Floorspace (square feet)										
1,001 to 5,000	270	347	91	2,477	3,221	640	109.2	107.8	141.4	13.78
5,001 to 10,000	234	341	Q	3,446	3,420	664	67.9	99.6	73.7	22.68
10,001 to 25,000	296	494	34	4,140	7,043	434	71.6	70.1	77.9	14.93
25,001 to 50,000	167	393	70	2,262	4,687	726	74.0	83.8	95.9	10.20
50,001 to 100,000	202	410	86	2,429	4,722	817	83.3	86.9	104.7	12.59
100,001 to 200,000	171	450	66	1,934	4,200	642	88.4	107.2	102.4	15.53
200,001 to 500,000	154	435	48	1,683	3,522	348	91.5	123.4	137.0	15.15
Over 500,000	131	339	45	1,309	3,628	377	100.0	93.3	118.7	19.85
Principal Building Activity										
Education	276	301	36	3,522	3,687	531	78.3	81.8	68.7	11.80
Food Sales	29	75	Q	145	379	Q	202.4	197.0	Q	27.05
Food Service	93	184	Q	460	782	Q	201.6	235.7	Q	25.24
Health Care	109	407	45	508	1,600	224	215.1	254.1	199.7	19.84
Lodging	124	308	28	986	2,377	255	126.2	129.6	110.4	16.34
Mercantile and Service	319	563	91	3,829	7,818	1,081	83.3	72.0	84.5	15.40
Office	287	665	66	3,015	6,678	785	95.3	99.6	84.5	11.06
Public Assembly	142	251	56	1,584	1,956	408	89.5	128.2	138.2	22.27
Public Order and Safety	50	60	Q	417	753	Q	119.5	79.3	Q	33.50
Religious Worship	43	56	Q	991	1,643	Q	43.8	34.2	Q	19.22
Warehouse and Storage	73	211	Q	2,504	5,250	727	29.0	40.3	55.8	18.80
Other	Q	108	Q	296	600	Q	Q	180.3	Q	35.79
Vacant	31	19	Q	1,423	919	Q	21.8	20.9	Q	33.69
Floors										
One	446	1,171	229	6,437	15,913	2,201	69.3	73.6	104.2	11.95
Two	367	658	96	4,860	8,094	1,168	75.5	81.3	82.4	11.19
Three	310	328	36	3,830	3,157	348	81.1	103.9	103.9	13.63
Four to Nine	385	754	90	3,460	4,643	686	111.2	162.3	131.4	12.60
Ten or More	118	298	35	1,094	2,636	245	107.9	113.0	142.0	17.23
Census Region and Division										
Northeast	399	544	91	4,963	6,130	789	80.5	88.8	115.7	13.96
New England	94	162	Q	1,123	1,813	205	83.7	89.4	Q	23.24
Middle Atlantic	305	382	73	3,841	4,317	585	79.5	88.6	125.7	17.32
Midwest	603	796	98	6,111	7,115	1,096	98.7	111.9	89.3	12.41
East North Central	395	515	76	4,465	4,482	708	88.4	115.0	107.9	14.45
West North Central	208	281	22	1,646	2,633	389	126.4	106.5	55.4	21.18
South	339	1,143	201	5,415	13,572	1,844	62.7	84.2	109.2	10.75
South Atlantic	146	525	101	2,209	6,326	940	66.2	83.0	107.8	15.51
East South Central	70	313	34	961	3,515	441	72.6	89.1	77.3	23.66
West South Central	123	305	66	2,245	3,730	463	54.9	81.7	142.5	16.12
West	285	725	96	3,191	7,626	919	89.2	95.1	104.4	14.81
Mountain	140	257	32	1,435	2,127	292	97.3	120.9	109.9	26.53
Pacific	145	468	64	1,756	5,499	627	82.5	85.1	101.9	15.49
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	148	303	48	1,693	2,951	453	87.2	102.5	106.9	18.76
5,500-7,000 HDD	624	850	117	6,461	7,159	977	96.6	118.7	120.3	13.61
4,000-5,499 HDD	475	802	130	5,630	8,185	1,341	84.3	98.0	97.1	15.10
Fewer than 4,000 HDD	239	732	107	3,302	9,078	1,111	72.3	80.7	96.3	13.05
More than 2,000 CDD and --										
Fewer than 4,000 HDD	141	522	83	2,594	7,070	766	54.3	73.9	108.8	15.80

See footnotes at end of table.

Table 8. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	
RSE Column Factor:	1.1	0.8	1.8	0.8	0.6	1.2	0.9	0.7	1.5	
Workers (main shift)										
Fewer than 5	308	418	64	6,094	6,674	1,118	50.5	62.6	56.9	16.73
5 to 9	232	254	23	2,834	3,216	240	81.9	78.8	94.4	17.32
10 to 19	163	386	65	2,437	4,179	486	66.9	92.4	133.8	15.95
20 to 49	320	445	103	3,146	5,133	853	101.9	86.6	120.9	12.09
50 to 99	167	401	62	1,812	4,486	633	91.9	89.4	98.5	12.05
100 to 249	173	402	74	1,625	3,720	644	106.4	108.1	114.7	13.68
250 or More	263	903	96	1,733	7,036	675	151.9	128.4	142.3	14.57
Weekly Operating Hours										
39 or Fewer	101	71	8	2,962	2,776	397	34.0	25.7	20.1	17.58
40 to 48	388	426	65	5,893	6,389	951	65.9	66.6	68.4	13.13
49 to 60	299	550	88	3,971	7,282	989	75.2	75.5	89.4	14.37
61 to 84	218	505	74	2,595	6,762	695	83.8	74.6	106.1	11.35
85 to 167	212	533	86	1,565	4,070	567	135.4	131.0	151.2	17.86
Open Continuously	409	1,124	166	2,695	7,163	1,051	151.8	156.9	157.8	11.79
Ownership and Occupancy										
Nongovernment Owned	1,050	2,505	395	14,721	28,204	3,772	71.3	88.8	104.6	7.48
Owner Occupied	907	2,030	349	11,708	20,866	2,999	77.5	97.3	116.4	8.18
Nonowner Occupied	136	466	45	2,211	6,733	753	61.3	69.2	60.4	12.57
Unoccupied	7	Q	Q	802	605	Q	Q	Q	Q	38.91
Government Owned	577	703	92	4,959	6,239	877	116.3	112.7	104.9	12.16
Federal	135	116	Q	955	695	Q	141.8	167.1	Q	38.71
State	155	254	29	1,083	1,593	174	142.9	159.4	167.7	19.52
Local	286	333	49	2,921	3,951	601	98.0	84.3	80.7	15.61
Space in Building Vacant for at Least Three Consecutive Months										
Yes	299	729	92	4,864	9,912	1,068	61.4	73.5	86.3	11.09
No	1,327	2,480	394	14,816	24,531	3,581	89.6	101.1	110.1	7.78
Energy Sources (more than one may apply)										
Electricity	1,621	3,205	486	18,824	33,802	4,449	86.1	94.8	109.2	7.05
Natural Gas	1,272	2,309	350	13,673	21,726	2,747	93.0	106.3	127.6	8.02
Fuel Oil	458	1,122	153	4,324	8,919	1,178	105.9	125.7	129.5	11.46
District Heat	362	603	86	2,359	2,881	418	153.6	209.4	205.7	21.81
District Chilled Water	142	357	43	661	1,602	258	215.4	222.6	165.4	24.42
Propane	81	271	40	1,195	3,523	626	68.0	76.8	64.2	18.76
Other	53	Q	Q	1,007	1,167	Q	52.7	Q	Q	26.04
Energy End Uses (more than one may apply)										
Buildings with Space Heating	1,614	3,149	484	18,081	31,975	4,291	89.2	98.5	112.8	7.00
Buildings with Cooling	1,417	3,037	468	15,405	30,540	3,989	92.0	99.5	117.4	7.28
Buildings with Water Heating	1,540	3,102	448	16,692	30,944	3,924	92.2	100.2	114.3	6.95
Buildings with Cooking	704	1,541	262	6,005	12,852	1,856	117.2	119.9	140.9	8.97
Buildings with Manufacturing	124	162	Q	1,406	2,172	315	88.2	74.7	Q	23.87
Buildings with Electricity Generation	369	1,163	173	2,720	9,318	1,328	135.6	124.8	130.6	11.05
Space-Heating Energy Sources (more than one may apply)										
Electricity	394	1,289	225	5,262	14,735	2,158	74.9	87.5	104.3	9.74
Natural Gas	1,012	1,818	266	11,569	17,715	2,252	87.4	102.6	118.1	8.25
Fuel Oil	280	413	29	2,866	3,415	325	97.6	121.0	89.7	18.28
District Heat	359	595	82	2,355	2,843	409	152.4	209.4	199.9	18.75
Propane	17	102	10	287	1,433	304	59.0	71.1	33.5	28.36
Other	16	52	Q	491	457	Q	31.9	113.1	Q	27.79

See footnotes at end of table.

Table 8. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	
RSE Column Factor:	1.1	0.8	1.8	0.8	0.6	1.2	0.9	0.7	1.5	
Primary Space-Heating Energy Source										
Electricity	126	733	146	2,257	9,892	1,351	56.0	74.1	107.9	12.84
Natural Gas	959	1,638	241	10,807	15,933	2,068	88.8	102.8	116.8	8.62
Fuel Oil	161	132	Q	2,093	1,903	Q	76.8	69.3	Q	17.12
District Heat	347	555	75	2,262	2,665	362	153.5	208.1	207.4	19.89
Propane	Q	59	Q	163	1,163	Q	Q	50.4	Q	36.22
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Sources (more than one may apply)										
Electricity	1,310	2,786	437	14,852	29,150	3,759	88.2	95.6	116.2	7.31
Natural Gas	Q	128	Q	438	762	Q	172.8	168.6	Q	34.25
District Chilled Water	142	357	43	661	1,602	258	215.4	222.6	165.4	24.42
Water-Heating Energy Sources (more than one may apply)										
Electricity	405	1,076	177	5,750	15,217	2,089	70.4	70.7	84.6	10.03
Natural Gas	914	1,608	248	9,196	13,951	1,712	99.4	115.3	144.6	8.86
Fuel Oil	89	108	Q	1,044	993	Q	84.8	108.4	Q	21.78
District Heat	226	487	49	1,546	2,169	234	146.3	224.5	208.0	18.42
Propane	Q	64	Q	Q	762	Q	Q	84.3	Q	30.95
Cooking Energy Sources (more than one may apply)										
Electricity	370	955	171	2,990	8,080	1,178	123.7	118.2	145.4	11.65
Natural Gas	467	1,046	186	4,151	7,938	1,106	112.5	131.7	168.0	10.63
Propane	Q	103	Q	186	1,159	Q	Q	89.0	Q	34.18
Percent of Floorspace Heated										
Not Heated	13	59	3	1,600	2,467	358	7.9	23.9	7.2	26.78
1 to 50	85	148	15	2,430	3,463	334	34.8	42.8	44.1	18.51
51 to 99	219	508	78	3,048	5,126	694	71.8	99.0	112.9	15.85
100	1,310	2,494	391	12,602	23,387	3,263	104.0	106.6	119.8	7.71
Percent of Floorspace Cooled										
Not Cooled	210	171	18	4,275	3,902	660	49.0	43.8	27.5	16.05
1 to 50	472	520	52	6,441	7,879	707	73.2	66.0	73.2	14.64
51 to 99	385	865	110	3,748	7,830	971	102.9	110.5	112.9	10.40
100	560	1,652	307	5,217	14,831	2,311	107.3	111.4	132.9	10.21
Percent Lit when Open										
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	163	124	Q	3,136	2,543	329	51.9	48.6	Q	14.79
51 to 99	316	508	59	3,726	5,374	592	84.8	94.6	100.4	12.56
100	1,131	2,567	405	11,516	25,500	3,498	98.2	100.7	115.7	8.01
Building Not in Use/ Electricity Not Used	16	9	Q	1,238	924	206	Q	9.8	Q	35.77
Percent Lit when Closed										
Zero	313	373	67	5,111	6,944	1,046	61.3	53.7	63.8	13.41
1 to 50	849	1,575	215	10,234	18,325	2,152	83.0	85.9	100.1	9.58
51 to 100	39	130	Q	418	1,230	266	93.5	105.8	Q	30.28
Never Closed	409	1,122	165	2,680	7,019	978	152.7	159.8	168.9	13.13
Building Not in Use/ Electricity Not Used	Q	Q	Q	1,238	924	Q	Q	Q	Q	31.68

See footnotes at end of table.

Table 8. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels, 1995 (Continued)

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)			RSE Row Factor
	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	1959 or Before	1960-1989	1990-1995	
RSE Column Factor:	**1.1**	**0.8**	**1.8**	**0.8**	**0.6**	**1.2**	**0.9**	**0.7**	**1.5**	
Energy Conservation Features (more than one may apply)										
Any Conservation Features	1,603	3,173	484	17,858	32,958	4,472	89.7	96.3	108.3	6.88
Building Shell	1,547	3,111	478	17,068	31,771	4,351	90.6	97.9	109.8	6.99
HVAC	1,317	2,856	447	13,354	27,489	3,814	98.7	103.9	117.2	7.37
Lighting	1,143	2,452	418	11,507	23,449	3,581	99.3	104.6	116.6	7.31

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. • 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.