

## Buildings Characteristics

### Geographic Location Tables

(24 pages, 136kb)

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<p>These data are from the 1995 Commercial Buildings Energy Consumption Survey (CBECS), a national probability sample survey of commercial buildings sponsored by the Energy Information Administration, that provides information on the use of energy in commercial buildings in the United States. The 1995 CBECS was the sixth survey in a series begun in 1979. The data were collected from a sample of 6,639 buildings representing 4.6 million commercial buildings and 58.8 billion square feet of commercial floorspace in the U.S. The 1995 data are available for the four Census regions and nine Census division.</p>	
<p>Data provided here are in the public domain and may be reproduced without permission. appropriate credit would be appreciated. A suggested citation is "U.S. Department of Energy, Energy Information Administration, "A Look at Commercial Buildings in 1995: Characteristics, Energy Consumption, and Energy Expenditures."</p>	
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**Table 3. Census Region, Number of Buildings and Floorspace, 1995**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	RSE Column Factor:	0.7	1.5	1.3	1.1	1.4	0.5	1.1	1.0	0.9	
<b>All Buildings</b> .....	4,579	725	1,139	1,750	964	58,772	11,883	14,322	20,830	11,736	6.5
<b>Building Floorspace (Square Feet)</b>											
1,001 to 5,000 .....	2,399	351	638	953	457	6,338	995	1,772	2,428	1,144	10.0
5,001 to 10,000 .....	1,035	162	224	380	269	7,530	1,223	1,678	2,786	1,842	12.3
10,001 to 25,000 .....	745	139	181	276	149	11,617	2,118	2,701	4,481	2,317	12.1
25,001 to 50,000 .....	213	38	48	74	53	7,676	1,380	1,726	2,664	1,905	9.6
50,001 to 100,000 .....	115	20	28	42	24	7,968	1,371	1,920	2,980	1,697	10.1
100,001 to 200,000 .....	48	10	14	17	8	6,776	1,377	1,896	2,428	1,075	12.9
200,001 to 500,000 .....	19	5	5	6	3	5,553	1,389	1,520	1,679	965	12.7
Over 500,000 .....	6	2	1	1	1	5,313	2,029	1,110	1,384	791	16.2
<b>Principal Building Activity</b>											
Education .....	309	39	42	111	117	7,740	1,930	1,997	2,315	1,498	13.8
Food Sales .....	137	Q	Q	73	32	642	Q	Q	287	209	21.6
Food Service .....	285	41	69	109	66	1,353	166	474	443	271	21.1
Health Care .....	105	14	19	51	21	2,333	408	466	916	543	22.2
Lodging .....	158	10	38	51	59	3,618	350	909	1,313	1,047	19.1
Mercantile and Service .....	1,289	241	390	457	201	12,728	2,838	3,203	4,864	1,822	11.6
Office .....	705	112	157	298	138	10,478	2,154	2,338	3,483	2,503	11.6
Public Assembly .....	326	46	89	134	57	3,948	694	957	1,367	930	19.9
Public Order and Safety .....	87	39	21	17	Q	1,271	548	300	308	Q	33.4
Religious Worship .....	269	41	57	97	74	2,792	442	633	1,006	711	20.5
Warehouse and Storage .....	580	88	163	223	105	8,481	1,480	2,044	3,436	1,522	18.1
Other .....	67	Q	Q	Q	Q	1,004	Q	402	289	Q	38.8
Vacant .....	261	Q	65	106	65	2,384	627	531	804	422	23.1
<b>Year Constructed</b>											
1919 or Before .....	353	115	147	50	41	3,673	1,226	1,529	514	404	21.8
1920 to 1945 .....	562	75	221	176	90	6,710	1,794	2,314	1,709	893	16.4
1946 to 1959 .....	867	187	215	285	180	9,298	1,944	2,268	3,192	1,894	11.9
1960 to 1969 .....	718	98	150	267	204	10,858	2,344	2,356	3,856	2,302	11.9
1970 to 1979 .....	813	69	141	391	211	11,333	1,658	2,435	4,344	2,895	11.0
1980 to 1989 .....	846	148	156	389	153	12,252	2,128	2,324	5,371	2,429	12.2
1990 to 1992 .....	218	13	38	114	54	2,590	443	545	1,094	509	22.1
1993 to 1995 .....	202	21	70	78	33	2,059	347	552	750	410	25.8
<b>Floors</b>											
One .....	3,018	349	648	1,354	667	24,552	3,337	5,298	11,019	4,897	8.9
Two .....	1,002	202	284	305	212	14,122	2,738	3,537	4,788	3,059	10.3
Three .....	399	120	170	54	56	7,335	2,103	2,306	1,644	1,282	15.2
Four to Nine .....	148	51	36	33	27	8,789	2,347	2,461	2,165	1,816	16.1
Ten or More .....	12	4	2	5	2	3,975	1,359	720	1,214	682	18.5
<b>Workers (main shift)</b>											
Fewer than 5 .....	2,505	363	678	987	477	13,885	2,430	3,584	5,345	2,526	10.8
5 to 9 .....	798	100	218	297	182	6,291	1,057	1,764	2,082	1,387	15.1
10 to 19 .....	625	145	102	223	155	7,102	1,317	1,511	2,701	1,572	13.7
20 to 49 .....	400	76	91	152	81	9,132	1,807	2,390	3,212	1,723	11.6
50 to 99 .....	138	19	24	54	41	6,931	1,264	1,504	2,733	1,430	12.1
100 to 249 .....	71	16	17	20	18	5,988	1,429	1,579	1,755	1,224	12.9
250 or More .....	43	7	8	17	10	9,443	2,577	1,990	3,001	1,875	13.4

See footnotes at end of table.

**Table 3. Census Region, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	0.7	1.5	1.3	1.1	1.4	0.5	1.1	1.0	0.9	1.1	
<b>Weekly Operating Hours</b>											
39 or Fewer .....	899	108	256	361	174	6,134	1,119	1,601	2,311	1,103	14.5
40 to 48 .....	1,257	172	334	484	266	13,233	2,168	3,520	4,912	2,633	10.8
49 to 60 .....	969	188	197	401	183	12,242	2,482	2,378	4,786	2,596	11.5
61 to 84 .....	567	92	148	170	157	10,052	2,111	2,626	3,276	2,040	13.8
85 to 167 .....	420	81	98	160	81	6,202	1,411	1,633	1,804	1,353	14.1
Open Continuously .....	466	83	106	172	105	10,908	2,592	2,564	3,740	2,012	12.6
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	4,025	629	1,043	1,556	798	46,696	8,946	11,414	17,056	9,280	7.0
Owner Occupied .....	3,158	542	843	1,224	548	35,573	6,972	9,403	12,664	6,533	7.6
Nonowner Occupied .....	698	79	146	260	213	9,697	1,622	1,644	3,841	2,590	14.3
Unoccupied .....	170	Q	54	72	36	1,426	Q	366	551	157	30.3
Government Owned .....	553	97	97	193	166	12,076	2,937	2,909	3,774	2,456	10.9
<b>Space in Building Vacant for at Least Three Consecutive Months</b>											
Yes .....	787	83	194	293	218	15,844	3,288	3,691	5,649	3,216	11.6
No .....	3,791	642	946	1,456	747	42,928	8,595	10,632	15,181	8,520	7.3
<b>Number of Establishments</b>											
One .....	3,712	603	905	1,463	741	41,057	8,064	10,489	14,323	8,181	7.2
2 to 5 .....	530	87	159	154	130	7,325	1,401	1,855	2,314	1,755	14.9
6 to 10 .....	91	10	13	41	26	2,672	514	466	1,218	474	19.1
11 to 20 .....	28	6	5	10	7	2,228	446	423	885	474	15.4
More than 20 .....	31	2	3	9	Q	3,943	1,020	724	1,526	673	20.6
Currently Unoccupied .....	187	Q	54	72	43	1,548	438	366	564	180	29.9
<b>Predominant Exterior Wall Material</b>											
Masonry .....	3,061	482	716	1,175	688	42,958	9,174	10,504	15,066	8,215	7.1
Siding or Shingles .....	639	142	179	169	149	3,243	711	940	732	860	21.0
Metal Panels .....	662	69	211	310	72	5,694	882	1,817	2,480	515	16.6
Concrete Panels .....	106	5	7	59	35	4,069	437	625	1,560	1,447	20.4
Window Glass .....	46	Q	3	15	Q	1,755	411	238	657	448	25.8
Other .....	50	Q	Q	Q	5	660	Q	161	201	189	28.1
No One Major Type .....	15	Q	Q	Q	Q	393	Q	Q	Q	Q	64.5
<b>Predominant Roof Material</b>											
Built-Up .....	1,369	177	302	476	414	24,481	4,275	4,925	9,096	6,185	10.1
Shingles (Not Wood) .....	1,486	295	348	567	276	11,093	2,631	2,829	3,482	2,150	11.7
Metal Surfacing .....	908	93	264	429	122	7,941	986	1,890	4,133	932	14.0
Synthetic or Rubber .....	351	87	127	97	41	10,235	2,859	3,575	2,448	1,354	12.6
Slate or Tile .....	202	36	30	80	56	1,920	406	361	566	587	22.5
Wooden Materials .....	152	Q	Q	44	39	1,130	Q	Q	301	273	38.7
Concrete .....	58	Q	Q	32	Q	1,335	Q	Q	553	197	36.7
Other .....	36	Q	Q	Q	Q	332	Q	Q	Q	Q	47.7
No One Major Type .....	Q	Q	Q	Q	Q	305	Q	Q	Q	Q	52.5
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,343	697	1,074	1,648	925	57,076	11,444	13,887	20,158	11,587	6.4
Natural Gas .....	2,478	316	777	805	580	38,145	7,108	10,905	12,291	7,841	7.4
Fuel Oil .....	607	282	96	196	33	14,421	5,423	2,681	4,175	2,142	15.4
District Heat .....	110	24	35	32	18	5,658	1,768	1,902	1,038	949	20.9
District Chilled Water .....	53	3	Q	24	10	2,521	291	778	919	533	25.1
Propane .....	589	170	137	220	62	5,344	1,689	1,093	2,012	550	21.1
Other .....	213	60	52	60	41	2,336	728	613	656	339	26.1

See footnotes at end of table.

**Table 3. Census Region, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	0.7	1.5	1.3	1.1	1.4	0.5	1.1	1.0	0.9	1.1	
<b>Energy End Uses (more than one may apply)</b>											
Buildings with Space Heating .....	4,024	657	1,006	1,547	815	54,347	11,180	13,511	18,900	10,756	6.8
Buildings with Cooling .....	3,381	451	811	1,433	687	49,935	9,523	12,033	18,606	9,772	6.6
Buildings with Water Heating .....	3,486	602	849	1,250	785	51,560	10,778	12,517	17,511	10,754	6.8
Buildings with Cooking .....	828	141	176	310	202	20,713	4,634	4,785	7,173	4,121	9.2
Buildings with Manufacturing .....	204	30	49	68	58	3,893	683	1,057	1,456	697	23.4
Buildings with Electricity Generation .....	247	87	45	66	49	13,366	3,877	2,738	4,360	2,391	13.9
<b>Percent of Floorspace Heated</b>											
Not Heated .....	554	69	134	203	149	4,425	703	811	1,930	981	18.8
1 to 50 .....	555	77	148	197	133	6,227	1,018	1,171	2,379	1,658	17.4
51 to 99 .....	633	129	155	207	142	8,868	2,501	1,480	2,856	2,032	14.9
100 .....	2,836	451	702	1,143	540	39,252	7,661	10,860	13,666	7,066	7.1
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	1,198	275	329	317	278	8,837	2,360	2,289	2,224	1,964	15.0
1 to 50 .....	930	164	283	316	166	15,027	3,784	4,414	4,311	2,517	11.9
51 to 99 .....	635	102	181	233	120	12,549	3,063	3,040	4,262	2,184	11.3
100 .....	1,816	185	346	884	401	22,359	2,677	4,578	10,033	5,071	8.3
<b>Percent Lit when Open</b>											
Zero .....	36	Q	Q	Q	Q	189	Q	Q	Q	Q	55.6
1 to 50 .....	666	113	209	212	131	6,008	1,130	1,598	2,172	1,109	15.5
51 to 99 .....	745	148	201	238	159	9,692	2,418	2,247	3,011	2,016	14.7
100 .....	2,814	427	628	1,148	611	40,514	7,787	9,874	14,608	8,245	7.6
Building Not in Use/ Electricity Not Used .....	318	31	94	131	61	2,369	524	586	935	324	23.8
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	394	14	31	284	65	5,843	657	779	3,189	1,218	14.1
Furnaces .....	1,676	284	626	471	295	14,923	2,732	4,984	4,497	2,710	11.1
Individual Space Heaters .....	1,188	140	255	500	293	16,809	3,393	4,395	5,783	3,237	12.2
District Heat .....	115	26	36	34	19	5,911	1,834	1,984	1,101	993	20.7
Boilers .....	610	240	161	111	97	16,754	5,210	4,480	3,952	3,112	11.0
Packaged Heating Units .....	1,031	91	109	526	305	16,893	2,578	2,868	7,439	4,009	10.7
Other .....	161	38	65	43	14	6,249	1,979	1,590	1,915	765	23.0
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central Air Conditioners .....	878	120	313	348	98	9,238	1,702	2,734	3,726	1,075	11.8
Heat Pumps .....	457	16	43	311	87	6,931	794	912	3,616	1,609	14.0
Individual Air Conditioners .....	862	166	274	311	110	12,494	3,725	3,551	3,698	1,520	11.6
District Chilled Water .....	53	3	Q	24	10	2,521	291	778	919	533	25.1
Central Chillers .....	109	16	26	37	31	11,065	2,502	2,553	3,736	2,273	12.7
Packaged Air Conditioning Units .....	1,431	196	267	599	369	26,628	5,368	5,917	9,737	5,606	8.9
Swamp Coolers .....	186	Q	Q	Q	144	2,451	Q	Q	517	1,743	25.8
Other .....	18	Q	4	7	4	949	Q	221	219	289	30.5

See footnotes at end of table.

**Table 3. Census Region, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	0.7	1.5	1.3	1.1	1.4	0.5	1.1	1.0	0.9	1.1	
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	3,380	552	848	1,343	637	46,355	9,040	11,620	16,743	8,952	7.3
Wall Insulation .....	2,372	391	605	955	421	31,694	5,927	8,467	11,878	5,422	7.8
Storm or Multiple Glazing .....	1,897	407	675	541	273	28,876	6,442	9,464	8,475	4,495	8.7
Tinted, Reflective or Shading Glass .....	1,202	109	268	472	353	24,245	3,585	5,474	8,976	6,210	9.1
Exterior or Interior Shading or Awnings .....	2,271	331	499	890	551	37,208	7,033	8,698	13,138	8,339	7.7
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	327	53	90	103	80	13,473	2,849	3,578	3,935	3,111	12.6
Economizer Cycle .....	461	79	139	98	144	16,550	4,147	4,736	4,035	3,632	10.6
HVAC Maintenance .....	2,403	474	567	864	499	43,134	9,538	10,423	14,549	8,624	7.3
Other Energy Efficient Equipment .....	198	33	33	67	65	6,453	1,623	1,514	1,778	1,538	18.3
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	749	133	214	236	166	17,868	4,358	4,326	5,769	3,414	10.9
Energy-Efficient Ballasts .....	1,363	305	244	487	328	28,375	6,869	6,276	9,319	5,910	9.0
Natural Lighting Control Sensors .....	237	46	40	87	64	6,431	1,321	1,484	2,168	1,458	17.1
Occupancy Sensors .....	131	41	29	29	32	5,958	1,722	923	1,477	1,835	19.6
Time Clock .....	467	122	75	108	162	13,262	3,234	2,489	4,153	3,386	12.7
Manual Dimmer Switches .....	501	90	123	168	120	13,056	2,637	3,161	4,548	2,710	11.7
Other .....	79	Q	6	29	31	2,836	902	490	751	692	21.9
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	4,075	658	1,030	1,529	858	55,288	11,118	13,733	19,139	11,297	6.6
Building Shell .....	3,906	625	974	1,497	809	53,190	10,464	13,162	18,757	10,806	6.7
HVAC .....	2,529	493	605	895	536	44,657	9,854	10,764	14,904	9,135	7.2
Lighting .....	2,084	446	486	654	498	38,537	8,920	9,495	12,087	8,036	7.6

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

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

**Table 4. Census Region and Division, Number of Buildings, 1995**  
(Thousand)

Building Characteristics	Census Region and Division										RSE Row Factor
	All Buildings	Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
		0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	
<b>All Buildings</b> .....	4,579	204	521	739	401	676	477	597	319	646	10.5
<b>Building Floorspace (Square Feet)</b>											
1,001 to 5,000 .....	2,399	111	240	409	230	340	279	333	166	292	14.4
5,001 to 10,000 .....	1,035	35	127	148	76	165	84	131	70	198	19.7
10,001 to 25,000 .....	745	34	105	115	65	103	80	94	51	98	18.3
25,001 to 50,000 .....	213	12	26	34	14	34	20	21	18	35	14.4
50,001 to 100,000 .....	115	9	11	17	11	22	10	11	10	14	15.1
100,001 to 200,000 .....	48	3	7	10	3	9	3	4	3	5	19.7
200,001 to 500,000 .....	19	1	4	4	2	3	1	2	1	3	20.4
Over 500,000 .....	6	Q	2	1	*	1	Q	1	Q	1	23.4
<b>Principal Building Activity</b>											
Education .....	309	8	31	23	18	48	16	47	22	95	24.0
Food Sales .....	137	Q	Q	Q	Q	Q	Q	31	Q	Q	35.2
Food Service .....	285	Q	Q	59	Q	Q	Q	58	Q	50	26.6
Health Care .....	105	Q	Q	18	1	13	23	Q	Q	Q	36.9
Lodging .....	158	Q	8	17	21	22	17	13	18	41	32.9
Mercantile and Service .....	1,289	61	180	236	154	143	140	174	80	120	17.0
Office .....	705	44	68	117	40	149	79	71	40	98	18.9
Public Assembly .....	326	Q	37	47	42	69	31	34	Q	33	35.0
Public Order and Safety .....	87	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.9
Religious Worship .....	269	Q	30	38	19	20	34	44	Q	37	32.9
Warehouse and Storage .....	580	35	53	117	47	105	69	48	Q	66	26.9
Other .....	67	Q	Q	Q	Q	Q	Q	Q	Q	Q	66.9
Vacant .....	261	Q	Q	47	Q	41	Q	42	Q	45	30.0
<b>Year Constructed</b>											
1919 or Before .....	353	13	102	114	33	31	Q	12	21	Q	29.4
1920 to 1945 .....	562	38	37	173	48	65	44	67	34	55	28.2
1946 to 1959 .....	867	26	160	144	71	115	40	129	72	108	18.7
1960 to 1969 .....	718	31	67	85	65	107	98	61	62	142	20.6
1970 to 1979 .....	813	27	42	97	44	125	110	155	43	168	18.7
1980 to 1989 .....	846	60	88	68	89	126	123	139	59	93	17.8
1990 to 1992 .....	218	Q	Q	23	Q	68	Q	Q	21	33	36.3
1993 to 1995 .....	202	Q	Q	34	Q	38	Q	Q	Q	Q	38.9
<b>Floors</b>											
One .....	3,018	103	246	372	276	502	340	512	233	435	12.8
Two .....	1,002	64	138	196	87	128	115	61	53	159	16.9
Three .....	399	27	92	143	28	30	Q	Q	23	33	22.3
Four to Nine .....	148	10	41	26	10	14	Q	Q	10	18	28.3
Ten or More .....	12	Q	3	2	Q	3	Q	2	Q	2	29.8
<b>Workers (main shift)</b>											
Fewer than 5 .....	2,505	95	268	434	244	324	267	396	180	297	14.4
5 to 9 .....	798	26	74	155	63	141	80	77	51	131	24.3
10 to 19 .....	625	56	89	65	37	95	71	57	55	99	20.7
20 to 49 .....	400	14	61	52	40	74	33	44	15	66	17.6
50 to 99 .....	138	7	12	15	9	25	14	15	8	33	18.3
100 to 249 .....	71	4	12	12	5	11	4	4	7	12	22.2
250 or More .....	43	2	5	6	3	6	Q	3	2	7	20.7

See footnotes at end of table.

**Table 4. Census Region and Division, Number of Buildings, 1995 (Continued)**  
(Thousand)

Building Characteristics	Census Region and Division										RSE Row Factor
	All Buildings	Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
RSE Column Factor:	0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	1.1	
<b>Weekly Operating Hours</b>											
39 or Fewer .....	899	Q	85	170	86	142	84	135	66	108	20.1
40 to 48 .....	1,257	67	105	205	129	196	140	148	105	161	15.6
49 to 60 .....	969	47	141	140	57	144	89	168	55	128	20.3
61 to 84 .....	567	25	68	104	44	73	39	58	35	122	24.5
85 to 167 .....	420	23	57	69	30	62	49	49	Q	65	21.9
Open Continuously .....	466	17	66	51	55	58	76	38	44	61	22.7
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	4,025	180	449	699	343	602	436	518	285	513	11.1
Owner Occupied .....	3,158	157	385	561	281	467	387	371	219	330	12.6
Nonowner Occupied .....	698	21	58	97	48	111	Q	113	51	162	22.6
Unoccupied .....	170	Q	Q	Q	Q	Q	Q	Q	Q	Q	41.3
Government Owned .....	553	24	73	39	57	74	41	79	34	132	19.5
<b>Space in Building Vacant for at Least Three Consecutive Months</b>											
Yes .....	787	15	68	144	49	114	87	92	68	149	21.2
No .....	3,791	189	454	594	351	562	390	505	250	496	11.5
<b>Number of Establishments</b>											
One .....	3,712	162	441	555	350	555	405	503	259	482	11.5
2 to 5 .....	530	33	54	131	28	65	41	48	34	96	26.0
6 to 10 .....	91	Q	6	7	Q	18	16	7	Q	24	24.2
11 to 20 .....	28	Q	3	3	Q	7	Q	Q	Q	6	22.8
More than 20 .....	31	Q	2	2	Q	5	Q	2	Q	Q	32.4
Currently Unoccupied .....	187	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.5
<b>Predominant Exterior Wall Material</b>											
Masonry .....	3,061	118	364	489	227	531	334	309	266	422	12.0
Siding or Shingles .....	639	59	83	119	60	57	34	78	Q	126	27.2
Metal Panels .....	662	23	46	112	99	67	86	158	24	48	25.5
Concrete Panels .....	106	Q	2	4	Q	Q	Q	35	Q	31	33.4
Window Glass .....	46	Q	Q	3	Q	2	Q	Q	Q	Q	39.7
Other .....	50	Q	Q	Q	Q	Q	Q	Q	Q	4	44.9
No One Major Type .....	15	Q	Q	Q	Q	Q	Q	Q	Q	Q	111.9
<b>Predominant Roof Material</b>											
Built-Up .....	1,369	49	127	222	80	178	116	182	130	284	18.8
Shingles (Not Wood) .....	1,486	84	210	235	114	262	173	133	105	171	17.6
Metal Surfacing .....	908	39	54	147	117	104	127	198	47	75	19.7
Synthetic or Rubber .....	351	19	68	70	57	54	21	22	14	27	26.2
Slate or Tile .....	202	10	26	Q	Q	36	Q	Q	Q	49	30.9
Wooden Materials .....	152	Q	Q	Q	Q	Q	Q	Q	Q	36	48.2
Concrete .....	58	Q	Q	Q	Q	15	Q	Q	Q	Q	55.2
Other .....	36	Q	Q	Q	Q	Q	Q	Q	Q	Q	91.4
No One Major Type .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	100.0

See footnotes at end of table.

**Table 4. Census Region and Division, Number of Buildings, 1995 (Continued)**  
(Thousand)

Building Characteristics	Census Region and Division										RSE Row Factor
	All Buildings	Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
		0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,343	190	507	698	376	642	438	569	303	622	10.4
Natural Gas .....	2,478	34	282	549	228	210	248	347	219	361	13.0
Fuel Oil .....	607	106	176	60	36	126	Q	24	Q	23	29.8
District Heat .....	110	2	22	19	16	Q	1	Q	6	12	31.2
District Chilled Water .....	53	Q	3	2	Q	4	Q	Q	Q	6	37.2
Propane .....	589	72	97	78	59	108	73	40	Q	52	30.4
Other .....	213	Q	39	31	Q	22	Q	Q	Q	20	43.8
<b>Energy End Uses (more than one may apply)</b>											
Buildings with Space Heating .....	4,024	178	479	644	361	566	427	553	290	525	11.0
Buildings with Cooling .....	3,381	113	338	517	294	531	397	505	244	443	11.0
Buildings with Water Heating .....	3,486	159	443	575	274	493	359	398	279	506	11.3
Buildings with Cooking .....	828	42	98	131	44	140	68	103	51	151	17.3
Buildings with Manufacturing .....	204	5	Q	26	23	24	Q	24	Q	48	27.2
Buildings with Electricity Generation .....	247	17	70	33	12	36	Q	11	Q	30	24.6
<b>Percent of Floorspace Heated</b>											
Not Heated .....	554	Q	43	94	39	110	50	43	29	120	28.2
1 to 50 .....	555	21	56	92	56	72	36	89	Q	91	25.3
51 to 99 .....	633	42	86	95	60	48	67	92	46	96	24.8
100 .....	2,836	115	336	457	245	446	325	372	202	339	12.1
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	1,198	91	184	222	107	145	80	92	75	203	22.1
1 to 50 .....	930	41	123	185	98	113	95	108	56	110	18.8
51 to 99 .....	635	24	78	110	71	71	68	93	38	82	21.8
100 .....	1,816	48	137	221	125	346	234	304	150	251	14.9
<b>Percent Lit when Open</b>											
Zero .....	36	Q	Q	Q	Q	Q	Q	Q	Q	Q	91.3
1 to 50 .....	666	23	90	170	39	77	48	87	37	93	24.6
51 to 99 .....	745	48	100	131	70	80	55	103	38	121	28.9
100 .....	2,814	112	315	381	247	453	331	364	219	392	13.2
Building Not in Use/ Electricity Not Used .....	318	Q	Q	56	Q	53	Q	Q	Q	39	33.1
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	394	2	12	12	20	152	103	29	Q	44	22.3
Furnaces .....	1,676	76	208	424	202	190	99	182	142	153	17.6
Individual Space Heaters .....	1,188	Q	102	162	93	170	164	166	83	210	17.7
District Heat .....	115	2	24	19	17	Q	2	Q	6	13	30.4
Boilers .....	610	85	156	103	58	64	24	23	40	57	22.4
Packaged Heating Units .....	1,031	23	69	73	35	150	160	216	75	230	18.9
Other .....	161	6	32	37	Q	8	Q	Q	3	Q	29.8

See footnotes at end of table.



**Table 4. Census Region and Division, Number of Buildings, 1995 (Continued)**  
(Thousand)

Building Characteristics	Census Region and Division										RSE Row Factor
	All Buildings	Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
		0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central											
Air Conditioners .....	878	39	81	193	119	108	75	165	54	44	22.6
Heat Pumps .....	457	3	13	21	22	161	110	41	24	62	24.4
Individual Air Conditioners .....	862	36	130	181	93	126	78	108	Q	89	17.1
District Chilled Water .....	53	Q	3	2	Q	4	Q	Q	Q	6	37.2
Central Chillers .....	109	4	11	16	10	19	7	11	18	13	23.1
Packaged Air Conditioning											
Units .....	1,431	46	150	193	74	202	179	219	106	263	15.5
Swamp Coolers .....	186	Q	Q	Q	Q	Q	Q	Q	85	59	30.0
Other .....	18	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.5
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	3,380	151	401	529	319	532	375	436	227	410	11.2
Wall Insulation .....	2,372	100	291	373	232	347	264	344	133	288	11.4
Storm or Multiple Glazing .....	1,897	108	299	436	240	272	161	109	119	154	14.8
Tinted, Reflective or											
Shading Glass .....	1,202	34	75	166	102	171	112	189	116	237	16.6
Exterior or Interior											
Shading or Awnings .....	2,271	86	244	323	177	387	262	241	163	389	13.2
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	327	9	45	59	31	56	14	33	19	61	23.7
Economizer Cycle .....	461	28	51	102	38	58	16	24	57	87	23.2
HVAC Maintenance .....	2,403	143	331	378	189	384	225	254	171	327	12.6
Other Energy Efficient											
Equipment .....	198	5	Q	Q	6	23	12	31	8	57	24.2
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	749	25	108	145	69	90	63	83	36	130	20.8
Energy-Efficient Ballasts .....	1,363	81	223	166	78	228	120	139	91	237	17.6
Natural Lighting Control											
Sensors .....	237	3	43	18	22	38	Q	27	28	36	28.7
Occupancy Sensors .....	131	Q	27	19	10	16	Q	Q	5	27	32.8
Time Clock .....	467	19	103	57	18	58	9	42	38	124	27.4
Manual Dimmer Switches .....	501	22	67	89	34	80	35	53	31	89	20.4
Other .....	79	4	Q	4	2	7	Q	Q	Q	22	35.1

See footnotes at end of table.

**Table 4. Census Region and Division, Number of Buildings, 1995 (Continued)**  
(Thousand)

Building Characteristics	Census Region and Division										RSE Row Factor
	Northeast		Midwest		South			West		RSE Column Factor:	
	All Buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain		
RSE Column Factor:	0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	1.1	
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	4,075	179	479	677	352	626	408	495	290	569	10.5
Building Shell .....	3,906	168	457	638	337	605	404	488	272	538	10.6
HVAC .....	2,529	143	350	411	194	407	230	258	185	352	12.2
Lighting .....	2,084	99	347	340	146	302	154	198	131	367	14.2

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

\* = Value rounds to zero in the units displayed.

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

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

**Table 5. Census Region and Division, Floorspace, 1995**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Census Region and Division									RSE Row Factor
		Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
RSE Column Factor:	0.4	1.2	1.0	0.9	1.2	1.0	1.3	1.0	1.5	1.0	
<b>All Buildings</b> .....	58,772	3,140	8,743	9,655	4,668	9,475	4,917	6,438	3,855	7,881	8.6
<b>Building Floorspace (Square Feet)</b>											
1,001 to 5,000 .....	6,338	306	689	1,151	620	880	712	835	399	746	14.9
5,001 to 10,000 .....	7,530	260	963	1,098	580	1,244	635	907	525	1,317	19.9
10,001 to 25,000 .....	11,617	520	1,598	1,718	983	1,676	1,287	1,518	829	1,488	17.6
25,001 to 50,000 .....	7,676	430	950	1,232	495	1,208	710	746	613	1,292	14.7
50,001 to 100,000 .....	7,968	600	771	1,171	749	1,513	670	797	703	994	14.7
100,001 to 200,000 .....	6,776	444	933	1,466	430	1,358	468	602	384	691	19.8
200,001 to 500,000 .....	5,553	280	1,109	1,076	443	907	248	524	184	781	20.6
Over 500,000 .....	5,313	Q	1,730	742	367	689	Q	509	Q	572	25.5
<b>Principal Building Activity</b>											
Education .....	7,740	567	1,363	1,336	661	932	379	1,004	547	951	17.6
Food Sales .....	642	Q	Q	Q	Q	Q	Q	129	Q	Q	29.7
Food Service .....	1,353	Q	Q	417	Q	Q	Q	164	Q	213	28.9
Health Care .....	2,333	Q	313	310	156	372	203	341	Q	380	21.7
Lodging .....	3,618	Q	199	642	267	729	324	261	383	663	24.6
Mercantile and Service .....	12,728	820	2,019	1,994	1,209	2,103	1,325	1,436	456	1,366	15.4
Office .....	10,478	538	1,616	1,556	782	2,042	529	911	769	1,734	15.3
Public Assembly .....	3,948	Q	483	616	341	649	287	432	436	494	23.3
Public Order and Safety .....	1,271	Q	406	Q	Q	Q	Q	Q	Q	Q	41.0
Religious Worship .....	2,792	Q	363	411	222	257	384	365	271	440	28.6
Warehouse and Storage .....	8,481	308	1,172	1,624	420	1,543	1,031	861	Q	999	24.3
Other .....	1,004	Q	Q	Q	Q	Q	Q	Q	Q	Q	52.4
Vacant .....	2,384	Q	512	396	Q	271	Q	349	Q	323	31.9
<b>Year Constructed</b>											
1919 or Before .....	3,673	325	900	1,160	369	Q	Q	Q	175	229	25.0
1920 to 1945 .....	6,710	425	1,369	1,826	488	533	438	738	407	486	23.8
1946 to 1959 .....	9,298	372	1,571	1,479	790	1,338	491	1,362	854	1,041	18.2
1960 to 1969 .....	10,858	723	1,621	1,526	830	1,761	1,117	979	651	1,650	16.2
1970 to 1979 .....	11,333	497	1,161	1,600	836	2,015	1,009	1,320	597	2,298	14.3
1980 to 1989 .....	12,252	593	1,535	1,356	967	2,550	1,390	1,431	879	1,550	17.3
1990 to 1992 .....	2,590	Q	360	370	Q	642	233	Q	190	319	26.0
1993 to 1995 .....	2,059	Q	Q	338	Q	298	208	244	Q	308	29.0
<b>Floors</b>											
One .....	24,552	801	2,536	3,250	2,048	4,517	2,621	3,881	1,671	3,226	13.0
Two .....	14,122	846	1,891	2,432	1,105	2,236	1,531	1,022	960	2,099	15.1
Three .....	7,335	606	1,497	1,719	587	820	333	491	503	779	19.9
Four to Nine .....	8,789	598	1,748	1,644	818	1,261	283	621	628	1,188	18.2
Ten or More .....	3,975	Q	1,070	610	Q	641	Q	424	Q	589	24.6
<b>Workers (main shift)</b>											
Fewer than 5 .....	13,885	588	1,842	2,409	1,174	1,775	1,277	2,293	889	1,636	16.3
5 to 9 .....	6,291	229	829	1,296	468	1,086	545	451	490	896	21.0
10 to 19 .....	7,102	462	855	1,140	371	1,018	887	795	641	932	17.9
20 to 49 .....	9,132	490	1,318	1,386	1,004	1,512	762	938	486	1,237	14.1
50 to 99 .....	6,931	491	773	1,056	448	1,476	575	682	524	905	16.7
100 to 249 .....	5,988	330	1,100	1,069	510	990	331	435	376	848	20.6
250 or More .....	9,443	550	2,027	1,298	691	1,618	540	843	449	1,426	15.2

See footnotes at end of table.

**Table 5. Census Region and Division, Floorspace, 1995 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Census Region and Division									RSE Row Factor
		Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
RSE Column Factor:	0.4	1.2	1.0	0.9	1.2	1.0	1.3	1.0	1.5	1.0	
<b>Weekly Operating Hours</b>											
39 or Fewer .....	6,134	171	948	1,106	495	850	472	989	425	678	20.8
40 to 48 .....	13,233	542	1,626	2,314	1,206	2,197	1,247	1,468	1,070	1,563	15.5
49 to 60 .....	12,242	706	1,776	1,632	746	2,128	1,021	1,637	789	1,806	15.9
61 to 84 .....	10,052	787	1,324	1,857	769	1,827	663	787	466	1,574	17.6
85 to 167 .....	6,202	402	1,009	1,127	507	721	522	562	427	926	17.8
Open Continuously .....	10,908	533	2,060	1,619	945	1,752	993	995	678	1,334	13.7
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	46,696	2,354	6,592	8,088	3,326	7,731	4,300	5,025	2,899	6,381	9.6
Owner Occupied .....	35,573	1,909	5,064	6,653	2,750	5,549	3,601	3,514	2,249	4,284	10.2
Nonowner Occupied .....	9,697	415	1,207	1,139	505	2,005	584	1,251	608	1,982	20.9
Unoccupied .....	1,426	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.1
Government Owned .....	12,076	786	2,151	1,567	1,342	1,744	617	1,413	956	1,500	13.9
<b>Space in Building Vacant for at Least Three Consecutive Months</b>											
Yes .....	15,844	905	2,383	2,734	957	2,650	1,323	1,676	759	2,457	14.3
No .....	42,928	2,235	6,360	6,921	3,711	6,825	3,594	4,762	3,097	5,424	10.1
<b>Number of Establishments</b>											
One .....	41,057	2,077	5,988	6,732	3,757	6,033	3,688	4,602	3,002	5,178	9.9
2 to 5 .....	7,325	466	935	1,508	347	1,097	497	719	489	1,265	19.7
6 to 10 .....	2,672	Q	359	304	161	637	320	262	Q	416	22.0
11 to 20 .....	2,228	Q	304	283	Q	677	Q	Q	Q	336	21.6
More than 20 .....	3,943	Q	754	531	Q	842	Q	463	Q	551	23.2
Currently Unoccupied .....	1,548	Q	Q	Q	Q	Q	Q	Q	Q	Q	53.4
<b>Predominant Exterior Wall Material</b>											
Masonry .....	42,958	2,273	6,900	7,174	3,330	7,546	3,463	4,056	3,266	4,949	9.6
Siding or Shingles .....	3,243	349	362	719	222	213	193	327	Q	779	27.8
Metal Panels .....	5,694	186	696	1,058	759	715	827	938	186	329	22.7
Concrete Panels .....	4,069	234	203	416	209	566	243	751	225	1,222	25.0
Window Glass .....	1,755	Q	330	183	Q	272	Q	254	Q	377	26.5
Other .....	660	Q	Q	Q	Q	Q	Q	Q	Q	162	28.7
No One Major Type .....	393	Q	Q	Q	Q	Q	Q	Q	Q	Q	76.9
<b>Predominant Roof Material</b>											
Built-Up .....	24,481	1,044	3,230	3,649	1,275	4,059	1,916	3,121	2,055	4,130	12.9
Shingles (Not Wood) .....	11,093	679	1,952	1,888	942	1,555	1,093	834	789	1,361	15.7
Metal Surfacing .....	7,941	327	660	1,160	731	1,283	1,277	1,572	357	575	16.9
Synthetic or Rubber .....	10,235	709	2,150	2,064	1,511	1,491	489	467	474	879	14.7
Slate or Tile .....	1,920	155	251	303	Q	348	Q	Q	Q	509	26.7
Wooden Materials .....	1,130	Q	Q	Q	Q	Q	Q	Q	Q	254	48.6
Concrete .....	1,335	Q	Q	Q	Q	430	Q	Q	Q	Q	45.2
Other .....	332	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.4
No One Major Type .....	305	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.6

See footnotes at end of table.

**Table 5. Census Region and Division, Floorspace, 1995 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Census Region and Division									RSE Row Factor
		Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
RSE Column Factor:	0.4	1.2	1.0	0.9	1.2	1.0	1.3	1.0	1.5	1.0	
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	57,076	3,072	8,372	9,422	4,465	9,301	4,674	6,183	3,821	7,766	8.5
Natural Gas .....	38,145	1,433	5,674	7,553	3,352	4,802	3,163	4,326	2,624	5,217	10.9
Fuel Oil .....	14,421	2,002	3,421	1,701	980	2,742	724	709	419	1,722	15.3
District Heat .....	5,658	226	1,542	1,214	688	364	130	544	Q	631	22.4
District Chilled Water .....	2,521	Q	237	365	414	327	Q	495	118	414	26.0
Propane .....	5,344	834	855	688	405	1,157	586	270	Q	460	28.8
Other .....	2,336	Q	544	400	Q	231	Q	Q	Q	220	29.5
<b>Energy End Uses (more than one may apply)</b>											
Buildings with Space Heating .....	54,347	3,043	8,137	9,021	4,490	8,518	4,424	5,958	3,726	7,030	8.8
Buildings with Cooling .....	49,935	2,450	7,073	7,927	4,106	8,568	4,286	5,752	3,289	6,484	9.0
Buildings with Water Heating .....	51,560	2,884	7,894	8,520	3,997	8,230	4,142	5,139	3,689	7,065	8.8
Buildings with Cooking .....	20,713	1,263	3,371	3,534	1,250	3,923	1,138	2,112	1,126	2,995	11.9
Buildings with Manufacturing .....	3,893	213	470	625	432	705	338	414	Q	545	26.9
Buildings with Electricity Generation .....	13,366	1,032	2,845	1,828	910	2,665	669	1,025	559	1,832	13.9
<b>Percent of Floorspace Heated</b>											
Not Heated .....	4,425	Q	605	633	178	957	493	480	Q	851	28.9
1 to 50 .....	6,227	195	824	901	271	979	452	947	Q	1,173	24.8
51 to 99 .....	8,868	817	1,684	820	660	1,027	707	1,121	421	1,611	19.2
100 .....	39,252	2,031	5,630	7,301	3,559	6,512	3,265	3,889	2,819	4,246	8.9
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	8,837	690	1,669	1,728	562	907	631	686	566	1,397	20.7
1 to 50 .....	15,027	1,025	2,759	3,178	1,236	1,883	1,243	1,186	766	1,751	15.0
51 to 99 .....	12,549	837	2,226	1,821	1,219	2,093	786	1,382	589	1,595	15.2
100 .....	22,359	588	2,088	2,927	1,651	4,592	2,257	3,184	1,934	3,137	11.4
<b>Percent Lit when Open</b>											
Zero .....	189	Q	Q	Q	Q	Q	Q	Q	Q	Q	69.9
1 to 50 .....	6,008	224	906	1,304	294	726	500	946	266	843	22.5
51 to 99 .....	9,692	749	1,669	1,525	722	1,198	659	1,154	683	1,333	19.3
100 .....	40,514	2,060	5,727	6,491	3,383	7,170	3,488	3,950	2,805	5,440	9.6
Building Not in Use/ Electricity Not Used .....	2,369	Q	427	326	Q	324	Q	354	Q	258	34.8
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	5,843	137	520	345	434	1,648	1,140	401	469	750	18.6
Furnaces .....	14,923	624	2,107	3,430	1,555	1,990	1,059	1,448	1,104	1,606	15.1
Individual Space Heaters .....	16,809	780	2,613	3,264	1,132	2,563	1,450	1,770	899	2,338	16.2
District Heat .....	5,911	235	1,598	1,239	745	396	140	565	Q	623	22.3
Boilers .....	16,754	1,853	3,357	3,096	1,384	2,091	747	1,114	1,128	1,984	12.3
Packaged Heating Units .....	16,893	634	1,944	1,768	1,100	3,109	1,657	2,672	1,085	2,924	14.5
Other .....	6,249	610	1,369	1,220	370	1,001	261	653	196	569	23.2

See footnotes at end of table.

**Table 5. Census Region and Division, Floorspace, 1995 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Census Region and Division									RSE Row Factor
		Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
		0.4	1.2	1.0	0.9	1.2	1.0	1.3	1.0	1.5	
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central											
Air Conditioners .....	9,238	416	1,287	1,770	964	1,666	634	1,426	549	526	16.5
Heat Pumps .....	6,931	185	609	469	443	2,032	1,110	474	533	1,076	18.3
Individual Air Conditioners .....	12,494	1,086	2,639	2,578	973	1,900	730	1,068	443	1,077	15.1
District Chilled Water .....	2,521	Q	237	365	414	327	Q	495	118	414	26.0
Central Chillers .....	11,065	540	1,962	1,727	826	2,018	611	1,107	785	1,488	15.3
Packaged Air Conditioning											
Units .....	26,628	1,186	4,182	3,988	1,929	4,528	2,148	3,061	1,715	3,891	12.1
Swamp Coolers .....	2,451	Q	Q	Q	Q	Q	Q	378	928	815	28.0
Other .....	949	Q	Q	Q	Q	Q	Q	Q	Q	Q	40.5
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	46,355	2,593	6,447	7,488	4,132	7,701	4,026	5,016	3,011	5,941	9.7
Wall Insulation .....	31,694	1,516	4,411	5,266	3,201	5,389	2,997	3,492	1,807	3,615	10.2
Storm or Multiple Glazing .....	28,876	1,778	4,664	6,051	3,413	4,448	1,947	2,080	2,090	2,404	11.1
Tinted, Reflective or											
Shading Glass .....	24,245	760	2,825	3,579	1,895	4,400	1,750	2,825	1,939	4,271	10.9
Exterior or Interior											
Shading or Awnings .....	37,208	1,880	5,153	5,556	3,142	6,443	3,096	3,600	2,693	5,646	9.3
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	13,473	733	2,116	2,276	1,302	1,894	717	1,324	938	2,173	13.7
Economizer Cycle .....	16,550	1,070	3,077	3,119	1,617	2,157	683	1,196	1,265	2,367	13.0
HVAC Maintenance .....	43,134	2,719	6,819	6,896	3,527	7,224	3,140	4,185	3,044	5,580	9.7
Other Energy Efficient											
Equipment .....	6,453	387	1,236	1,118	396	784	275	720	391	1,147	18.7
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	17,868	991	3,367	2,945	1,380	2,836	1,047	1,887	835	2,580	13.5
Energy-Efficient Ballasts .....	28,375	2,000	4,869	4,258	2,018	4,852	1,835	2,632	1,604	4,306	10.3
Natural Lighting Control											
Sensors .....	6,431	252	1,069	951	532	1,306	342	520	457	1,001	19.0
Occupancy Sensors .....	5,958	568	1,155	679	244	866	209	402	370	1,465	21.8
Time Clock .....	13,262	752	2,482	1,802	687	2,456	594	1,103	710	2,676	13.4
Manual Dimmer Switches .....	13,056	723	1,914	2,379	783	2,391	831	1,326	784	1,926	14.5
Other .....	2,836	Q	621	316	174	334	Q	297	Q	560	25.9

See footnotes at end of table.

**Table 5. Census Region and Division, Floorspace, 1995 (Continued)**  
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Census Region and Division									RSE Row Factor
		Northeast		Midwest		South			West		
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific	
RSE Column Factor:	0.4	1.2	1.0	0.9	1.2	1.0	1.3	1.0	1.5	1.0	
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	55,288	3,028	8,090	9,229	4,504	9,066	4,413	5,660	3,751	7,547	8.7
Building Shell .....	53,190	2,860	7,605	8,730	4,432	8,875	4,300	5,582	3,544	7,263	8.9
HVAC .....	44,657	2,725	7,129	7,138	3,627	7,468	3,174	4,262	3,147	5,988	9.7
Lighting .....	38,537	2,284	6,636	6,516	2,978	6,276	2,276	3,535	2,393	5,643	9.2

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

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

**Table 6. Climate Zone, Number of Buildings and Floorspace, 1995**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Buildings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					
		Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD		Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD			More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.6	1.7	1.0	1.4	1.2	1.3	0.4	1.3	0.8	0.9	1.0	1.0	
<b>All Buildings</b> .....	4,579	493	975	1,070	1,103	937	58,772	5,098	14,597	15,155	13,491	10,430	9.1
<b>Building Floorspace (Square Feet)</b>													
1,001 to 5,000 .....	2,399	287	511	516	568	517	6,338	803	1,422	1,302	1,465	1,347	13.4
5,001 to 10,000 .....	1,035	96	194	298	226	220	7,530	722	1,436	2,188	1,616	1,569	15.6
10,001 to 25,000 .....	745	76	164	162	218	125	11,617	1,185	2,501	2,464	3,458	2,009	14.2
25,001 to 50,000 .....	213	19	52	47	52	42	7,676	664	1,853	1,745	1,953	1,460	11.1
50,001 to 100,000 .....	115	10	32	25	25	22	7,968	677	2,218	1,790	1,710	1,574	12.4
100,001 to 200,000 .....	48	4	15	13	10	7	6,776	498	2,160	1,877	1,324	917	14.2
200,001 to 500,000 .....	19	1	5	6	3	3	5,553	368	1,565	1,801	1,106	713	16.0
Over 500,000 .....	6	Q	2	2	1	1	5,313	Q	1,444	1,988	860	841	17.5
<b>Principal Building Activity</b>													
Education .....	309	14	54	55	105	81	7,740	665	2,373	2,105	1,314	1,284	16.9
Food Sales .....	137	Q	Q	Q	38	47	642	Q	Q	Q	216	182	23.9
Food Service .....	285	Q	56	49	73	77	1,353	Q	378	259	316	272	23.5
Health Care .....	105	Q	23	25	24	29	2,333	Q	565	519	545	535	25.9
Lodging .....	158	14	26	28	53	37	3,618	268	1,004	465	1,240	641	23.3
Mercantile and Service .....	1,289	163	306	351	255	214	12,728	1,431	2,929	3,244	2,757	2,366	14.5
Office .....	705	69	143	144	223	125	10,478	666	2,497	3,331	2,545	1,440	14.5
Public Assembly .....	326	49	51	111	54	62	3,948	471	890	1,134	852	602	22.5
Public Order and Safety .....	87	Q	38	29	5	Q	1,271	Q	423	388	181	Q	36.8
Religious Worship .....	269	Q	51	61	61	62	2,792	Q	609	796	717	432	22.6
Warehouse and Storage .....	580	74	149	124	116	116	8,481	518	2,043	1,904	2,095	1,922	21.3
Other .....	67	Q	Q	Q	8	Q	1,004	Q	205	Q	198	Q	40.8
Vacant .....	261	Q	47	64	89	57	2,384	Q	542	774	516	482	26.7
<b>Year Constructed</b>													
1919 or Before .....	353	50	126	130	20	26	3,673	379	1,511	1,375	216	192	25.2
1920 to 1945 .....	562	65	192	116	99	90	6,710	520	2,569	1,792	1,061	769	18.5
1946 to 1959 .....	867	74	222	214	184	173	9,298	795	2,382	2,463	2,025	1,633	14.7
1960 to 1969 .....	718	89	103	168	204	154	10,858	1,312	2,013	2,795	2,687	2,051	14.7
1970 to 1979 .....	813	56	129	146	262	219	11,333	857	2,398	2,574	3,123	2,381	12.7
1980 to 1989 .....	846	103	146	163	237	197	12,252	782	2,748	2,816	3,269	2,638	14.3
1990 to 1992 .....	218	Q	35	52	71	41	2,590	Q	565	751	706	394	24.4
1993 to 1995 .....	202	36	23	81	Q	36	2,059	279	411	590	406	373	27.1
<b>Floors</b>													
One .....	3,018	257	538	622	805	795	24,552	1,787	4,925	5,032	6,449	6,358	11.7
Two .....	1,002	146	226	277	240	113	14,122	1,618	3,068	3,666	3,595	2,175	13.3
Three .....	399	76	168	108	31	17	7,335	884	2,755	2,039	1,029	628	17.5
Four to Nine .....	148	14	41	58	24	11	8,789	729	2,820	2,843	1,519	878	19.4
Ten or More .....	12	Q	2	5	3	1	3,975	Q	1,029	1,575	900	391	19.4
<b>Census Region</b>													
Northeast .....	725	117	347	261	Q	Q	11,883	1,094	4,956	5,833	Q	Q	13.5
Midwest .....	1,139	335	513	291	Q	Q	14,322	3,598	7,615	3,109	Q	Q	14.6
South .....	1,750	Q	347	603	799	799	20,830	Q	4,342	7,778	8,711	13.7	
West .....	964	41	114	170	501	138	11,736	406	2,026	1,872	5,713	1,719	17.2

See footnotes at end of table.



**Table 6. Climate Zone, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Buildings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					
		Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD		Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD			More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.6	1.7	1.0	1.4	1.2	1.3	0.4	1.3	0.8	0.9	1.0	1.0	
<b>Workers (main shift)</b>													
Fewer than 5 .....	2,505	269	534	622	532	547	13,885	1,261	3,096	3,531	3,072	2,925	13.8
5 to 9 .....	798	89	177	146	232	154	6,291	665	1,779	1,279	1,622	946	17.9
10 to 19 .....	625	87	120	141	156	121	7,102	812	1,609	1,504	1,742	1,435	16.2
20 to 49 .....	400	30	88	106	108	67	9,132	870	2,215	2,334	2,329	1,385	13.9
50 to 99 .....	138	11	25	24	46	31	6,931	601	1,829	1,514	1,624	1,362	13.1
100 to 249 .....	71	4	21	18	16	11	5,988	475	1,699	1,747	1,121	945	14.8
250 or More .....	43	2	9	12	14	6	9,443	413	2,370	3,246	1,981	1,433	16.8
<b>Weekly Operating Hours</b>													
39 or Fewer .....	899	109	164	227	194	205	6,134	612	1,158	1,736	1,215	1,413	17.9
40 to 48 .....	1,257	125	275	259	327	271	13,233	947	3,327	3,293	2,987	2,679	14.4
49 to 60 .....	969	106	223	193	259	188	12,242	968	2,943	2,999	3,207	2,125	13.9
61 to 84 .....	567	63	112	142	131	119	10,052	1,145	2,610	2,483	2,165	1,650	15.1
85 to 167 .....	420	44	90	128	94	65	6,202	611	1,848	1,582	1,334	827	15.4
Open Continuously .....	466	47	111	121	97	90	10,908	816	2,710	3,063	2,583	1,737	15.8
<b>Ownership and Occupancy</b>													
Nongovernment Owned .....	4,025	455	859	943	952	817	46,696	4,013	11,271	11,717	11,144	8,551	9.8
Owner Occupied .....	3,158	393	691	774	694	605	35,573	3,362	9,088	8,930	7,952	6,241	10.5
Nonowner Occupied .....	698	60	131	130	212	165	9,697	627	1,887	2,297	2,929	1,957	17.3
Unoccupied .....	170	Q	37	38	46	46	1,426	Q	296	490	263	354	34.1
Government Owned .....	553	39	116	127	151	121	12,076	1,084	3,326	3,439	2,347	1,879	13.7
<b>Space in Building Vacant for at Least Three Consecutive Months</b>													
Yes .....	787	62	137	200	231	159	15,844	1,179	3,653	4,324	3,834	2,854	14.0
No .....	3,791	432	838	870	872	779	42,928	3,919	10,944	10,831	9,658	7,576	9.8
<b>Number of Establishments</b>													
One .....	3,712	398	781	871	895	768	41,057	3,829	10,565	10,105	9,530	7,028	10.0
2 to 5 .....	530	84	130	125	91	100	7,325	853	1,771	1,897	1,582	1,222	16.7
6 to 10 .....	91	Q	10	14	46	13	2,672	206	462	743	798	464	21.4
11 to 20 .....	28	Q	6	8	7	5	2,228	Q	440	725	495	463	17.7
More than 20 .....	31	Q	Q	5	Q	5	3,943	Q	1,050	1,114	812	886	22.9
Currently Unoccupied .....	187	Q	38	48	53	47	1,548	Q	311	572	274	367	32.4
<b>Predominant Exterior Wall Material</b>													
Masonry .....	3,061	264	699	676	813	608	42,958	3,480	11,196	11,206	9,762	7,315	9.9
Siding or Shingles .....	639	133	95	222	101	87	3,243	556	700	1,098	525	365	24.6
Metal Panels .....	662	88	141	140	114	178	5,694	769	1,259	1,369	1,045	1,252	17.6
Concrete Panels .....	106	Q	9	6	48	40	4,069	144	882	597	1,399	1,047	21.8
Window Glass .....	46	Q	Q	Q	20	Q	1,755	Q	336	523	562	250	29.3
Other .....	50	Q	Q	Q	Q	Q	660	Q	136	141	166	156	33.1
No One Major Type .....	15	Q	Q	Q	Q	Q	393	Q	Q	Q	Q	Q	77.1

See footnotes at end of table.

**Table 6. Climate Zone, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	Average Annual Heating and Cooling Degree-Days (HDD and CDD)						Average Annual Heating and Cooling Degree-Days (HDD and CDD)						
	Fewer than 2,000 CDD and --					More than 2,000 CDD and Fewer than 4,000 HDD	Fewer than 2,000 CDD and --					More than 2,000 CDD and Fewer than 4,000 HDD	
	All Buildings	More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		All Buildings	More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.6	1.7	1.0	1.4	1.2	1.3	0.4	1.3	0.8	0.9	1.0	1.0	
<b>Predominant Roof Material</b>													
Built-Up .....	1,369	86	304	297	369	313	24,481	1,353	5,672	6,064	6,214	5,177	12.6
Shingles (Not Wood) .....	1,486	194	296	407	351	238	11,093	1,057	2,806	3,353	2,337	1,541	15.0
Metal Surfacing .....	908	131	158	187	189	243	7,941	988	1,357	1,484	2,115	1,998	15.4
Synthetic or Rubber .....	351	51	119	83	49	49	10,235	1,517	3,423	2,942	1,548	806	15.4
Slate or Tile .....	202	Q	22	37	66	54	1,920	Q	410	465	580	340	24.6
Wooden Materials .....	152	Q	41	49	51	Q	1,130	Q	353	394	339	Q	37.4
Concrete .....	58	Q	Q	Q	Q	27	1,335	Q	431	Q	243	Q	39.6
Other .....	36	Q	Q	Q	Q	Q	332	Q	Q	Q	Q	Q	57.0
No One Major Type .....	Q	Q	Q	Q	Q	Q	305	Q	Q	Q	Q	Q	62.8
<b>Energy Sources (more than one may apply)</b>													
Electricity .....	4,343	466	936	1,006	1,051	885	57,076	4,934	14,356	14,559	13,268	9,960	8.8
Natural Gas .....	2,478	265	626	490	674	423	38,145	3,399	10,754	9,094	9,598	5,300	10.0
Fuel Oil .....	607	110	149	259	52	38	14,421	1,798	3,724	5,250	2,343	1,307	17.2
District Heat .....	110	3	30	44	10	Q	5,658	267	1,919	2,292	537	643	20.2
District Chilled Water .....	53	Q	8	16	6	Q	2,521	Q	624	632	432	726	27.9
Propane .....	589	117	140	141	117	75	5,344	1,092	1,220	1,325	978	730	24.1
Other .....	213	36	62	56	24	34	2,336	322	610	769	405	230	26.2
<b>Energy End Uses (more than one may apply)</b>													
Buildings with Space Heating .....	4,024	443	877	927	955	822	54,347	4,901	13,937	14,147	12,350	9,014	9.1
Buildings with Cooling .....	3,381	321	656	714	887	803	49,935	4,115	11,903	12,620	11,981	9,315	8.8
Buildings with Water Heating .....	3,486	384	771	822	864	645	51,560	4,499	13,291	13,546	11,982	8,241	8.9
Buildings with Cooking .....	828	96	157	203	208	164	20,713	1,511	5,610	5,758	4,570	3,263	11.2
Buildings with Manufacturing .....	204	28	27	53	45	51	3,893	476	701	1,024	807	884	25.6
Buildings with Electricity Generation .....	247	11	87	76	44	28	13,366	931	3,633	4,226	2,832	1,745	15.8
<b>Percent of Floorspace Heated</b>													
Not Heated .....	554	Q	98	142	148	116	4,425	Q	661	1,009	1,142	1,416	21.0
1 to 50 .....	555	46	104	150	113	142	6,227	428	1,000	1,454	1,640	1,705	20.7
51 to 99 .....	633	117	124	142	148	102	8,868	888	1,781	2,716	2,095	1,388	16.9
100 .....	2,836	281	649	636	694	577	39,252	3,585	11,155	9,976	8,615	5,922	9.3
<b>Percent of Floorspace Cooled</b>													
Not Cooled .....	1,198	172	319	355	217	135	8,837	982	2,695	2,535	1,510	1,115	18.3
1 to 50 .....	930	119	220	253	177	161	15,027	1,794	4,284	4,327	2,789	1,833	14.4
51 to 99 .....	635	90	144	133	141	128	12,549	1,186	3,343	3,616	2,441	1,962	14.5
100 .....	1,816	112	292	328	569	515	22,359	1,135	4,275	4,677	6,751	5,520	10.5
<b>Percent Lit when Open</b>													
Zero .....	36	Q	Q	Q	Q	Q	189	Q	Q	Q	Q	Q	66.4
1 to 50 .....	666	82	168	183	109	124	6,008	440	1,610	1,499	1,324	1,135	17.9
51 to 99 .....	745	115	158	149	186	136	9,692	1,063	2,652	2,339	2,153	1,485	18.1
100 .....	2,814	261	586	640	725	603	40,514	3,379	9,960	10,519	9,453	7,202	9.7
Building Not in Use/ Electricity Not Used .....	318	Q	55	92	75	60	2,369	Q	343	788	474	551	28.4

See footnotes at end of table.

**Table 6. Climate Zone, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	Average Annual Heating and Cooling Degree-Days (HDD and CDD)						Average Annual Heating and Cooling Degree-Days (HDD and CDD)						
	Fewer than 2,000 CDD and --					More than 2,000 CDD and Fewer than 4,000 HDD	Fewer than 2,000 CDD and --					More than 2,000 CDD and Fewer than 4,000 HDD	
	All Buildings	More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		All Buildings	More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.6	1.7	1.0	1.4	1.2	1.3	0.4	1.3	0.8	0.9	1.0	1.0	
<b>Heating Equipment (more than one may apply)</b>													
Heat Pumps .....	394	4	19	110	165	97	5,843	254	586	1,756	1,944	1,303	17.6
Furnaces .....	1,676	260	464	465	297	190	14,923	1,893	4,325	3,993	3,128	1,584	13.8
Individual Space Heaters .....	1,188	134	199	294	319	242	16,809	1,550	4,434	4,734	3,859	2,231	14.9
District Heat .....	115	3	31	45	11	Q	5,911	299	2,001	2,376	585	651	20.0
Boilers .....	610	110	235	165	67	33	16,754	2,125	5,565	4,833	2,985	1,247	13.2
Packaged Heating Units .....	1,031	40	116	138	387	350	16,893	917	3,010	3,395	5,412	4,159	12.6
Other .....	161	Q	49	27	8	35	6,249	702	1,850	1,886	725	1,087	22.5
<b>Cooling Equipment (more than one may apply)</b>													
<b>Residential-Type Central</b>													
Air Conditioners .....	878	121	229	188	133	207	9,238	933	2,265	2,554	1,533	1,952	14.9
Heat Pumps .....	457	4	18	134	193	108	6,931	298	655	2,204	2,352	1,421	16.5
Individual Air Conditioners .....	862	105	183	238	152	183	12,494	1,361	3,585	3,844	2,029	1,675	14.1
District Chilled Water .....	53	Q	8	16	6	Q	2,521	Q	624	632	432	726	27.9
Central Chillers .....	109	8	24	24	25	28	11,065	643	2,922	3,181	2,581	1,737	15.7
<b>Packaged Air Conditioning</b>													
Units .....	1,431	112	276	239	452	353	26,628	2,117	6,153	6,616	6,939	4,804	10.6
Swamp Coolers .....	186	Q	Q	Q	79	61	2,451	Q	412	157	893	847	32.5
Other .....	18	Q	5	7	Q	Q	949	Q	360	283	Q	Q	34.9
<b>Lighting Equipment Types (more than one may apply)</b>													
Incandescent .....	2,479	294	535	584	538	529	35,715	2,910	9,694	9,851	7,105	6,155	9.8
Standard Fluorescent .....	3,885	422	846	881	970	766	53,984	4,688	13,689	13,858	12,579	9,170	8.8
Compact Fluorescent .....	364	62	72	108	68	54	14,273	1,195	3,796	4,527	2,709	2,046	15.1
High-Intensity Discharge .....	393	40	122	120	58	52	16,259	1,487	4,925	5,079	2,664	2,104	13.1
Halogen .....	302	15	94	81	70	42	9,665	569	2,986	2,686	2,046	1,379	16.9
Other .....	30	Q	Q	Q	Q	Q	554	Q	Q	Q	Q	Q	82.6
<b>Building Shell Conservation Features (more than one may apply)</b>													
Roof or Ceiling Insulation .....	3,380	399	694	820	766	701	46,355	4,561	11,267	11,885	10,339	8,302	9.7
Wall Insulation .....	2,372	335	453	565	563	456	31,694	3,621	7,580	8,159	7,300	5,035	10.3
Storm or Multiple Glazing .....	1,897	348	522	504	362	160	28,876	4,002	8,567	8,129	5,233	2,945	11.1
<b>Tinted, Reflective or</b>													
Shading Glass .....	1,202	99	203	217	404	279	24,245	1,637	5,382	5,853	6,459	4,915	11.3
<b>Exterior or Interior</b>													
Shading or Awnings .....	2,271	224	419	526	643	460	37,208	3,174	8,946	9,799	8,736	6,554	10.1
<b>HVAC Conservation Features (more than one may apply)</b>													
Variable Air-Volume System .....	327	21	88	65	103	49	13,473	964	4,053	3,398	3,282	1,777	15.2
Economizer Cycle .....	461	77	130	86	106	62	16,550	1,819	5,002	4,853	3,259	1,617	13.3
HVAC Maintenance .....	2,403	273	599	506	577	448	43,134	3,759	11,647	11,170	9,743	6,815	9.4
Other Energy Efficient Equipment .....	198	Q	41	37	72	29	6,453	460	1,843	1,764	1,518	868	21.2

See footnotes at end of table.

**Table 6. Climate Zone, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Buildings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					
		Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD		Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD			More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.6	1.7	1.0	1.4	1.2	1.3	0.4	1.3	0.8	0.9	1.0	1.0	
<b>Lighting Conservation Features (more than one may apply)</b>													
Specular Reflectors .....	749	108	158	204	175	105	17,868	1,615	4,253	5,655	3,793	2,552	12.8
Energy-Efficient Ballasts .....	1,363	136	311	327	368	221	28,375	2,471	7,312	8,010	6,498	4,084	11.2
Natural Lighting Control													
Sensors .....	237	10	43	89	58	37	6,431	371	1,499	1,976	1,667	918	20.3
Occupancy Sensors .....	131	20	28	33	33	17	5,958	467	1,511	1,667	1,728	585	22.5
Time Clock .....	467	26	120	121	123	77	13,262	482	3,202	4,080	3,177	2,322	15.2
Manual Dimmer Switches .....	501	56	133	111	132	68	13,056	927	3,540	3,596	3,151	1,843	12.5
Other .....	79	3	21	9	30	15	2,836	317	872	586	757	304	28.1
<b>Energy Conservation Features (more than one may apply)</b>													
Any Conservation Features .....	4,075	456	885	954	971	809	55,288	4,965	13,943	14,379	12,491	9,510	9.1
Building Shell .....	3,906	442	815	915	945	788	53,190	4,816	13,137	13,825	12,165	9,247	9.2
HVAC .....	2,529	288	632	542	608	458	44,657	3,912	11,943	11,613	10,211	6,979	9.4
Lighting .....	2,084	229	511	507	521	316	38,537	3,303	10,471	10,712	8,471	5,580	9.7

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

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

**Table 7. Metropolitan Status, Number of Buildings and Floorspace, 1995**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Nonmetropolitan	All Buildings	Metropolitan	Nonmetropolitan	
	0.8	0.9	1.8	0.6	0.7	1.6	
RSE Column Factor:							
<b>All Buildings</b> .....	4,579	3,082	1,497	58,772	47,383	11,389	5.0
<b>Building Floorspace (Square Feet)</b>							
1,001 to 5,000 .....	2,399	1,457	942	6,338	3,948	2,390	7.2
5,001 to 10,000 .....	1,035	711	324	7,530	5,167	2,363	9.5
10,001 to 25,000 .....	745	578	167	11,617	8,997	2,620	9.0
25,001 to 50,000 .....	213	178	35	7,676	6,428	1,248	8.3
50,001 to 100,000 .....	115	92	23	7,968	6,436	1,531	8.2
100,001 to 200,000 .....	48	43	6	6,776	6,001	776	10.7
200,001 to 500,000 .....	19	17	1	5,553	5,162	391	12.9
Over 500,000 .....	6	6	Q	5,313	5,243	Q	12.0
<b>Principal Building Activity</b>							
Education .....	309	256	53	7,740	6,140	1,601	11.2
Food Sales .....	137	92	45	642	470	172	17.3
Food Service .....	285	198	86	1,353	1,014	339	15.3
Health Care .....	105	79	26	2,333	1,887	446	15.2
Lodging .....	158	118	41	3,618	3,078	540	15.3
Mercantile and Service .....	1,289	852	437	12,728	9,919	2,808	9.1
Office .....	705	524	181	10,478	9,507	971	9.6
Public Assembly .....	326	189	137	3,948	3,045	903	14.3
Public Order and Safety .....	87	60	28	1,271	951	321	27.4
Religious Worship .....	269	147	122	2,792	1,989	803	14.7
Warehouse and Storage .....	580	349	231	8,481	6,598	1,883	13.7
Other .....	67	47	Q	1,004	830	Q	33.2
Vacant .....	261	171	90	2,384	1,955	429	19.1
<b>Year Constructed</b>							
1919 or Before .....	353	235	118	3,673	2,811	862	15.5
1920 to 1945 .....	562	379	182	6,710	5,301	1,409	12.2
1946 to 1959 .....	867	597	270	9,298	7,134	2,164	8.8
1960 to 1969 .....	718	457	262	10,858	8,490	2,368	8.8
1970 to 1979 .....	813	569	244	11,333	9,424	1,909	7.9
1980 to 1989 .....	846	580	266	12,252	10,608	1,644	9.3
1990 to 1992 .....	218	137	81	2,590	2,050	540	16.3
1993 to 1995 .....	202	129	73	2,059	1,565	494	18.2
<b>Floors</b>							
One .....	3,018	1,955	1,063	24,552	18,287	6,265	6.7
Two .....	1,002	656	346	14,122	10,873	3,249	7.7
Three .....	399	328	71	7,335	6,249	1,085	12.5
Four to Nine .....	148	131	17	8,789	8,003	786	13.6
Ten or More .....	12	12	Q	3,975	3,972	Q	14.7
<b>Census Region</b>							
Northeast .....	725	563	163	11,883	10,413	1,470	11.3
Midwest .....	1,139	680	459	14,322	10,742	3,580	9.8
South .....	1,750	1,109	641	20,830	16,011	4,820	7.2
West .....	964	730	234	11,736	10,217	1,519	13.2
<b>Climate Zone: 45-Year Average</b>							
Fewer than 2,000 CDD and --							
More than 7,000 HDD .....	493	185	308	5,098	2,487	2,611	19.0
5,500 to 7,000 HDD .....	975	769	206	14,597	12,720	1,878	11.3
4,000 to 5,499 HDD .....	1,070	614	456	15,155	12,168	2,987	15.7
Fewer than 4,000 HDD .....	1,103	823	281	13,491	11,150	2,342	15.6
More than 2,000 CDD and --							
Fewer than 4,000 HDD .....	937	691	246	10,430	8,858	1,572	14.6

See footnotes at end of table.

**Table 7. Metropolitan Status, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Nonmetropolitan	All Buildings	Metropolitan	Nonmetropolitan	
	0.8	0.9	1.8	0.6	0.7	1.6	
<b>RSE Column Factor:</b>							
<b>Workers (main shift)</b>							
Fewer than 5 .....	2,505	1,474	1,031	13,885	9,178	4,707	7.7
5 to 9 .....	798	579	218	6,291	4,785	1,506	10.8
10 to 19 .....	625	481	144	7,102	5,646	1,456	9.8
20 to 49 .....	400	329	71	9,132	7,687	1,445	9.2
50 to 99 .....	138	114	23	6,931	5,577	1,354	11.1
100 to 249 .....	71	64	7	5,988	5,448	540	11.6
250 or More .....	43	41	2	9,443	9,062	381	14.2
<b>Weekly Operating Hours</b>							
39 or Fewer .....	899	501	398	6,134	3,983	2,151	10.2
40 to 48 .....	1,257	858	399	13,233	10,172	3,061	8.2
49 to 60 .....	969	667	303	12,242	9,804	2,438	9.2
61 to 84 .....	567	432	135	10,052	8,742	1,310	10.7
85 to 167 .....	420	302	118	6,202	5,290	911	10.6
Open Continuously .....	466	322	144	10,908	9,392	1,517	9.6
<b>Ownership and Occupancy</b>							
Nongovernment Owned .....	4,025	2,644	1,381	46,696	37,517	9,179	5.5
Owner Occupied .....	3,158	2,007	1,151	35,573	27,955	7,618	5.8
Nonowner Occupied .....	698	523	175	9,697	8,383	1,314	11.4
Unoccupied .....	170	114	56	1,426	1,179	248	25.0
Government Owned .....	553	438	116	12,076	9,866	2,210	8.6
<b>Space in Building Vacant for at Least Three Consecutive Months</b>							
Yes .....	787	574	214	15,844	13,881	1,963	9.3
No .....	3,791	2,508	1,283	42,928	33,502	9,426	5.5
<b>Number of Establishments</b>							
One .....	3,712	2,428	1,284	41,057	31,582	9,475	5.2
2 to 5 .....	530	399	132	7,325	6,190	1,134	11.9
6 to 10 .....	91	76	15	2,672	2,389	283	17.6
11 to 20 .....	28	25	Q	2,228	2,081	Q	12.6
More than 20 .....	31	23	Q	3,943	3,843	Q	21.6
Currently Unoccupied .....	187	131	56	1,548	1,298	250	23.9
<b>Multibuilding Facility</b>							
Part of Multibuilding Facility .....	1,480	1,073	407	24,352	19,942	4,409	6.6
Not on Multibuilding Facility .....	3,099	2,009	1,090	34,420	27,441	6,980	5.7
<b>Predominant Exterior Wall Material</b>							
Masonry .....	3,061	2,142	919	42,958	35,036	7,922	5.6
Siding or Shingles .....	639	374	265	3,243	2,182	1,061	15.8
Metal Panels .....	662	360	302	5,694	3,583	2,111	10.9
Concrete Panels .....	106	101	Q	4,069	3,903	Q	15.9
Window Glass .....	46	45	Q	1,755	1,688	Q	23.7
Other .....	50	47	Q	660	635	Q	27.2
No One Major Type .....	15	Q	Q	393	357	Q	50.1

See footnotes at end of table.

**Table 7. Metropolitan Status, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Nonmetropolitan	All Buildings	Metropolitan	Nonmetropolitan	
	0.8	0.9	1.8	0.6	0.7	1.6	
<b>Predominant Roof Material</b>							
Built-Up .....	1,369	1,078	291	24,481	21,668	2,812	8.1
Shingles (Not Wood) .....	1,486	878	609	11,093	8,079	3,013	8.6
Metal Surfacing .....	908	494	415	7,941	4,839	3,102	9.6
Synthetic or Rubber .....	351	270	81	10,235	8,450	1,785	10.0
Slate or Tile .....	202	161	41	1,920	1,695	225	18.7
Wooden Materials .....	152	121	Q	1,130	927	Q	29.0
Concrete .....	58	48	Q	1,335	1,244	Q	31.1
Other .....	36	23	Q	332	228	Q	37.3
No One Major Type .....	Q	Q	Q	305	252	Q	42.8
<b>Energy Sources (more than one may apply)</b>							
Electricity .....	4,343	2,951	1,392	57,076	46,149	10,927	4.8
Natural Gas .....	2,478	1,807	671	38,145	32,053	6,092	6.0
Fuel Oil .....	607	378	230	14,421	12,181	2,240	11.6
District Heat .....	110	105	5	5,658	5,411	247	19.1
District Chilled Water .....	53	50	Q	2,521	2,387	Q	22.2
Propane .....	589	319	270	5,344	3,051	2,293	14.7
Other .....	213	125	88	2,336	1,632	704	19.1
<b>Energy End Uses (more than one may apply)</b>							
Buildings with Space Heating .....	4,024	2,767	1,258	54,347	44,269	10,078	5.2
Buildings with Cooling .....	3,381	2,384	996	49,935	41,361	8,573	5.1
Buildings with Water Heating .....	3,486	2,437	1,049	51,560	42,617	8,942	5.2
Buildings with Cooking .....	828	599	228	20,713	17,516	3,197	6.9
Buildings with Manufacturing .....	204	159	45	3,893	3,295	598	18.3
Buildings with Electricity Generation .....	247	187	59	13,366	11,880	1,485	12.0
<b>Percent of Floorspace Heated</b>							
Not Heated .....	554	315	239	4,425	3,114	1,311	13.8
1 to 50 .....	555	402	153	6,227	5,015	1,212	12.6
51 to 99 .....	633	426	207	8,868	7,282	1,586	12.1
100 .....	2,836	1,939	897	39,252	31,973	7,280	5.5
<b>Percent of Floorspace Cooled</b>							
Not Cooled .....	1,198	697	501	8,837	6,022	2,816	11.1
1 to 50 .....	930	647	283	15,027	11,664	3,362	9.1
51 to 99 .....	635	476	159	12,549	10,952	1,597	10.2
100 .....	1,816	1,262	554	22,359	18,745	3,614	6.6
<b>Percent Lit when Open</b>							
Zero .....	36	Q	Q	189	Q	Q	44.1
1 to 50 .....	666	431	235	6,008	4,374	1,635	11.0
51 to 99 .....	745	498	248	9,692	7,553	2,138	11.6
100 .....	2,814	1,947	867	40,514	33,605	6,909	5.9
Building Not in Use/ Electricity Not Used .....	318	185	133	2,369	1,743	626	19.3
<b>Heating Equipment (more than one may apply)</b>							
Heat Pumps .....	394	259	135	5,843	4,657	1,187	9.6
Furnaces .....	1,676	1,073	604	14,923	11,188	3,735	8.1
Individual Space Heaters .....	1,188	762	426	16,809	13,540	3,269	9.8
District Heat .....	115	109	5	5,911	5,646	266	18.7
Boilers .....	610	453	157	16,754	14,022	2,731	8.8
Packaged Heating Units .....	1,031	810	221	16,893	14,858	2,035	8.2
Other .....	161	98	63	6,249	5,511	738	19.5

See footnotes at end of table.

**Table 7. Metropolitan Status, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Nonmetropolitan	All Buildings	Metropolitan	Nonmetropolitan	
	RSE Column Factor:	0.8	0.9	1.8	0.6	0.7	
<b>Cooling Equipment (more than one may apply)</b>							
Residential-Type Central							
Air Conditioners .....	878	569	309	9,238	7,290	1,947	8.6
Heat Pumps .....	457	297	161	6,931	5,557	1,374	9.7
Individual Air Conditioners .....	862	568	294	12,494	9,620	2,874	8.5
District Chilled Water .....	53	50	Q	2,521	2,387	Q	22.2
Central Chillers .....	109	92	17	11,065	10,226	839	12.7
Packaged Air Conditioning							
Units .....	1,431	1,109	322	26,628	22,847	3,782	7.7
Swamp Coolers .....	186	139	46	2,451	2,139	312	24.3
Other .....	18	15	Q	949	852	Q	25.5
<b>Lighting Equipment Types (more than one may apply)</b>							
Incandescent .....	2,479	1,667	813	35,715	29,393	6,322	5.6
Standard Fluorescent .....	3,885	2,727	1,158	53,984	44,299	9,685	4.8
Compact Fluorescent .....	364	302	62	14,273	12,879	1,394	11.1
High-Intensity Discharge .....	393	295	98	16,259	14,305	1,953	10.3
Halogen .....	302	232	70	9,665	8,611	1,055	12.2
Other .....	30	Q	Q	554	497	Q	57.6
<b>Personal Computers and/or Computer Terminals</b>							
None .....	2,039	1,141	898	12,571	8,167	4,404	7.6
1 to 4 .....	1,408	1,014	395	11,401	8,735	2,665	8.4
5 to 9 .....	437	350	88	5,372	4,504	868	13.8
10 to 19 .....	344	276	67	5,947	5,057	890	13.5
20 to 49 .....	198	172	26	7,048	5,893	1,155	11.0
50 to 99 .....	81	62	19	4,938	4,130	808	12.0
100 to 249 .....	46	42	4	5,189	4,739	451	12.3
250 or More .....	26	25	Q	6,307	6,159	Q	10.4
<b>Energy-Related Space Functions (more than one may apply)</b>							
Commercial Food Preparation .....	828	599	228	20,713	17,516	3,197	6.9
Computer Room .....	234	208	27	12,890	11,674	1,216	9.9
Activities with Large Amounts of Hot Water .....	243	158	85	6,753	5,540	1,213	12.4
<b>Building Shell Conservation Features (more than one may apply)</b>							
Roof or Ceiling Insulation .....	3,380	2,281	1,099	46,355	37,667	8,688	5.5
Wall Insulation .....	2,372	1,567	805	31,694	25,191	6,503	6.0
Storm or Multiple Glazing .....	1,897	1,226	671	28,876	22,984	5,892	6.5
Tinted, Reflective or Shading Glass .....	1,202	859	343	24,245	20,978	3,267	6.9
Exterior or Interior Shading or Awnings .....	2,271	1,605	667	37,208	30,893	6,315	5.7
<b>HVAC Conservation Features (more than one may apply)</b>							
Variable Air-Volume System .....	327	279	48	13,473	12,152	1,321	11.6
Economizer Cycle .....	461	386	75	16,550	14,783	1,767	10.0
HVAC Maintenance .....	2,403	1,783	620	43,134	36,455	6,679	5.9
Other Energy Efficient Equipment .....	198	165	33	6,453	5,835	618	12.7

See footnotes at end of table.



**Table 7. Metropolitan Status, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Nonmetropolitan	All Buildings	Metropolitan	Nonmetropolitan	
	0.8	0.9	1.8	0.6	0.7	1.6	
<b>Lighting Conservation Features (more than one may apply)</b>							
Specular Reflectors .....	749	583	167	17,868	15,818	2,050	9.4
Energy-Efficient Ballasts .....	1,363	1,016	347	28,375	24,271	4,103	7.5
Natural Lighting Control							
Sensors .....	237	207	29	6,431	5,861	570	14.3
Occupancy Sensors .....	131	96	35	5,958	5,237	721	17.1
Time Clock .....	467	411	56	13,262	12,364	898	11.0
Manual Dimmer Switches .....	501	380	121	13,056	11,424	1,631	8.8
Other .....	79	61	Q	2,836	2,252	584	21.2
<b>Energy Conservation Features (more than one may apply)</b>							
Any Conservation Features .....	4,075	2,771	1,304	55,288	45,021	10,267	5.0
Building Shell .....	3,906	2,659	1,247	53,190	43,296	9,894	5.2
HVAC .....	2,529	1,865	664	44,657	37,692	6,965	5.8
Lighting .....	2,084	1,585	498	38,537	33,068	5,469	6.3

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

Notes: • To obtain the RSE percentage for any table cell, multiply the cell's corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report.

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