

**Table A2. Census Region, Number of Buildings and Floorspace, 1992**

Building Characteristics  RSE Column Factor:	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	0.6	1.2	1.1	1.0	1.3	0.6	1.3	1.1	1.1	1.2	
<b>All Buildings</b> .....	4,806	771	1,202	1,963	870	67,876	13,400	17,280	24,577	12,619	6.3
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	2,681	383	676	1,171	451	7,327	1,074	1,889	3,155	1,208	9.7
5,001 to 10,000 .....	975	180	241	370	184	7,199	1,337	1,763	2,723	1,376	7.6
10,001 to 25,000 .....	647	109	163	239	136	10,375	1,663	2,689	3,782	2,241	8.5
25,001 to 50,000 .....	280	54	66	106	56	10,069	1,976	2,353	3,696	2,043	10.3
50,001 to 100,000 .....	116	25	29	41	20	8,062	1,752	2,097	2,842	1,371	11.5
100,001 to 200,000 .....	71	12	15	26	18	9,678	1,598	2,048	3,720	2,311	14.0
200,001 to 500,000 .....	26	5	10	6	5	7,889	1,696	2,839	1,968	1,386	15.2
Over 500,000 .....	9	2	2	4	1	7,278	2,303	1,601	2,691	683	32.0
<b>Principal Building Activity</b>											
Education .....	301	38	46	112	104	8,470	1,968	2,386	2,620	1,496	12.7
Food Sales .....	130	Q	29	57	32	757	Q	182	245	209	21.8
Food Service .....	260	54	73	83	50	1,491	445	432	407	208	14.7
Health Care .....	63	12	14	15	23	1,763	386	487	597	292	22.1
Lodging .....	154	31	26	56	41	2,891	616	577	1,043	654	18.7
Mercantile and Service .....	1,272	246	329	510	187	12,402	2,798	3,156	4,233	2,214	10.6
Office .....	749	126	170	299	154	12,319	2,525	2,804	4,152	2,838	10.2
Parking Garage .....	24	5	11	2	5	1,652	Q	Q	Q	272	37.9
Public Assembly .....	278	40	76	120	43	4,556	777	861	2,269	649	17.9
Public Order and Safety .....	60	16	Q	24	Q	820	269	Q	238	Q	28.5
Religious Worship .....	366	30	86	194	56	3,747	452	1,137	1,366	792	18.2
Warehouse and Storage .....	761	109	233	316	103	11,484	1,763	3,108	4,964	1,649	14.5
Other .....	69	16	18	21	15	1,130	199	301	383	248	26.6
Vacant .....	319	36	80	153	50	4,396	708	1,043	1,604	1,041	17.5
<b>Year Constructed</b>											
1899 or Before .....	169	52	78	26	Q	1,721	676	720	167	Q	20.7
1900 to 1919 .....	255	62	105	66	22	3,608	1,052	1,246	788	522	21.5
1920 to 1945 .....	724	166	193	257	109	8,712	2,655	2,296	2,646	1,115	13.2
1946 to 1959 .....	880	124	208	368	179	10,421	2,070	2,629	3,898	1,825	11.3
1960 to 1969 .....	783	122	174	324	163	12,612	2,485	2,652	4,914	2,562	12.0
1970 to 1979 .....	982	118	248	426	190	14,014	2,123	4,086	4,940	2,865	10.0
1980 to 1989 .....	884	112	158	444	170	14,287	2,053	2,982	6,317	2,934	12.2
1990 to 1992 .....	128	14	38	51	25	2,502	286	670	906	639	21.0
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,616	755	1,139	1,876	845	66,549	13,235	16,914	23,985	12,415	6.2
Natural Gas .....	2,665	370	847	888	560	45,097	8,559	13,838	13,408	9,292	7.7
Fuel Oil .....	559	284	79	182	14	13,218	5,535	2,541	3,582	1,559	12.6
District Heat .....	95	23	24	28	21	5,339	1,560	1,884	983	912	18.2
District Chilled Water .....	28	2	7	10	9	2,066	302	684	659	421	28.3
Propane .....	337	71	80	153	Q	3,393	1,041	579	1,514	260	20.3
Any Other .....	163	33	46	62	23	1,551	444	254	446	407	23.9
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	4,178	694	1,047	1,687	750	61,996	12,858	16,303	21,659	11,176	6.4
Air-Conditioned Buildings .....	3,502	521	784	1,569	627	57,041	11,158	14,383	21,205	10,296	6.6
Buildings with Water Heating .....	3,502	625	906	1,307	664	58,479	12,410	15,460	19,592	11,017	6.5
Buildings with Cooking .....	734	142	201	257	134	23,065	5,740	5,800	7,768	3,757	9.5
Buildings with Manufacturing .....	121	26	38	37	19	3,174	756	895	1,039	484	21.7
<b>Predominant Exterior Wall Material</b>											
Masonry .....	3,115	503	759	1,261	592	48,585	9,981	12,914	17,174	8,517	7.1
Siding or Shingles .....	764	176	198	257	133	3,873	1,008	1,017	1,052	796	12.3
Metal Panels .....	745	68	215	372	90	7,392	930	1,774	3,900	789	15.2
Concrete Panels .....	87	6	12	36	34	4,961	1,003	741	1,461	1,755	22.3
Window Glass .....	46	12	Q	18	8	2,028	372	524	709	423	25.3
Other .....	47	6	9	19	13	1,037	106	310	281	Q	32.5

See footnotes at end of table.

**Table A2. Census Region, Number of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics RSE Column Factor:	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	0.6	1.2	1.1	1.0	1.3	0.6	1.3	1.1	1.1	1.2	
<b>Predominant Roof Material</b>											
Built-Up .....	1,642	226	346	665	405	30,257	4,889	6,375	11,653	7,341	8.6
Shingles (Not Wood) .....	1,381	278	369	532	202	10,570	2,434	3,213	3,168	1,755	9.6
Metal Surfacing .....	1,037	106	269	537	126	9,019	853	2,064	5,098	1,004	13.2
Synthetic or Rubber .....	386	100	152	98	35	11,702	3,757	4,318	2,615	1,012	11.1
Slate or Tile .....	155	40	23	45	47	1,998	526	385	577	511	20.5
Concrete .....	37	2	5	20	9	2,544	556	Q	917	506	33.8
Other .....	167	19	38	65	46	1,786	384	361	551	490	22.5
<b>Floors</b>											
One .....	3,007	329	634	1,456	588	25,424	2,834	5,146	12,892	4,552	10.0
Two .....	1,154	213	361	387	193	18,025	3,564	5,153	5,660	3,649	8.2
Three .....	446	153	158	84	51	9,877	2,807	3,042	2,255	1,772	11.7
Four to Nine .....	186	72	47	33	35	10,377	2,847	2,989	2,714	1,827	15.7
Ten or More .....	13	4	3	3	4	4,173	1,348	950	1,056	819	25.5
<b>Percent Window Glass</b>											
25 or Less .....	4,193	646	1,082	1,754	710	51,356	8,988	13,026	20,229	9,113	7.1
26 to 50 .....	490	94	95	169	132	11,815	3,478	2,852	2,872	2,613	10.3
51 to 75 .....	94	25	23	24	21	3,206	701	932	943	630	20.6
76 to 100 .....	29	5	2	15	7	1,499	232	470	534	263	27.9
<b>Workers (main shift)</b>											
Less than 5 .....	2,718	404	721	1,180	412	17,944	2,708	4,747	7,676	2,813	10.3
5 to 9 .....	895	148	218	341	189	7,524	1,328	1,867	3,013	1,316	9.0
10 to 19 .....	561	95	122	222	122	8,077	1,367	1,871	3,266	1,573	12.2
20 to 49 .....	405	77	87	147	94	10,556	2,014	2,521	3,818	2,204	10.1
50 to 99 .....	130	29	31	43	27	7,763	1,899	2,002	2,286	1,577	13.6
100 to 249 .....	64	10	17	20	17	7,378	1,378	2,467	1,984	1,549	15.1
250 or More .....	31	7	6	9	9	8,633	2,707	1,805	2,535	1,586	15.1
<b>Weekly Operating Hours</b>											
39 or Fewer .....	1,039	123	314	486	116	8,246	1,400	2,454	3,278	1,114	12.3
40 to 48 .....	1,278	191	294	541	252	14,998	2,272	3,446	6,543	2,738	9.2
49 to 60 .....	1,004	184	231	395	193	14,046	2,622	3,474	5,002	2,948	8.7
61 to 84 .....	645	129	170	220	127	12,062	2,578	3,212	3,795	2,477	10.3
85 to 167 .....	478	83	127	167	101	8,467	2,486	2,217	1,938	1,826	12.9
Open Continuously .....	362	61	65	154	82	10,057	2,042	2,477	4,021	1,517	14.7
<b>Percent Vacant for at Least Three Months</b>											
1-50 Percent .....	362	86	87	114	76	12,420	3,021	3,501	3,609	2,289	11.6
51-99 Percent .....	97	8	24	47	18	2,263	508	441	792	521	25.4
100 Percent .....	398	44	101	177	76	4,109	752	946	1,377	1,034	15.8
None .....	3,948	633	990	1,625	700	49,085	9,120	12,392	18,799	8,775	6.9
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	4,206	683	1,070	1,729	725	52,752	9,978	13,127	19,480	10,167	6.3
Owner Occupied .....	3,192	552	844	1,267	529	38,403	7,311	10,421	13,503	7,168	6.3
Nonowner Occupied .....	817	112	173	361	171	12,273	2,350	2,211	5,177	2,534	13.2
Unoccupied .....	197	19	53	101	24	2,077	316	495	800	465	21.6
Government Owned .....	599	88	132	234	146	15,124	3,422	4,153	5,097	2,452	12.0
<b>Number of Establishments</b>											
One .....	3,886	617	977	1,605	687	47,997	8,913	12,266	18,409	8,409	7.5
2 to 5 .....	517	104	134	171	107	7,882	1,809	1,831	2,396	1,845	12.7
6 to 10 .....	89	16	16	31	26	2,562	432	563	877	689	19.7
11 to 20 .....	49	6	9	21	14	2,039	355	519	821	345	28.1
More than 20 .....	36	6	5	19	6	4,938	1,558	1,401	1,170	809	25.5
Currently Unoccupied .....	229	22	60	116	30	2,457	333	699	904	521	22.1

See footnotes at end of table.

**Table A2. Census Region, Number of Buildings and Floorspace, 1992 (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	
	RSE Column Factor: 0.6	1.2	1.1	1.0	1.3	0.6	1.3	1.1	1.1	1.2	
<b>Percent of Floorspace Heated</b>											
Not Heated .....	653	77	168	280	128	6,211	646	1,120	2,983	1,460	15.2
1 to 50 .....	688	98	163	298	128	11,195	2,479	2,034	4,414	2,268	13.4
51 to 99 .....	618	111	143	229	135	10,211	2,114	2,249	3,107	2,740	10.9
100 .....	2,846	484	727	1,155	480	40,260	8,161	11,876	14,073	6,151	6.8
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	1,304	250	417	394	243	10,835	2,242	2,898	3,372	2,323	11.2
1 to 50 .....	1,176	241	287	486	161	21,715	5,640	6,318	6,482	3,275	8.8
51 to 99 .....	658	125	170	244	119	13,872	3,049	3,825	4,097	2,902	10.7
100 .....	1,668	155	327	839	347	21,454	2,469	4,240	10,627	4,118	9.2
<b>Percent Lit when Open</b>											
Not Lit .....	413	46	138	178	51	3,280	454	1,031	1,193	601	19.2
1 to 50 .....	881	170	245	344	123	9,980	1,763	2,771	3,759	1,688	11.0
51 to 99 .....	813	171	210	283	148	14,224	3,098	3,914	4,613	2,599	11.1
100 .....	2,699	384	609	1,158	549	40,393	8,085	9,565	15,013	7,731	7.3
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	449	41	28	280	99	8,269	1,328	1,324	3,632	1,985	15.4
Furnaces .....	1,692	290	592	557	252	16,909	3,268	5,579	4,971	3,092	9.2
Individual Space Heaters .....	1,464	218	376	626	245	22,380	4,907	6,187	7,642	3,643	9.4
District Heat .....	93	23	23	27	20	5,225	1,553	1,869	927	875	18.3
Boilers .....	624	260	188	111	65	20,664	6,192	6,478	5,404	2,590	10.3
Packaged Heating Units .....	870	86	121	440	223	16,000	2,890	3,033	6,440	3,637	11.4
Other .....	42	12	11	15	Q	903	180	205	309	Q	31.6
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central Air Conditioners .....	816	97	275	363	82	9,021	1,508	2,968	3,455	1,091	11.7
Heat Pumps .....	454	43	29	285	96	8,406	1,286	1,416	3,745	1,959	14.8
Individual Air Conditioners .....	1,023	269	229	433	92	17,979	5,806	4,723	5,683	1,767	11.4
District Chilled Water .....	28	2	7	10	9	2,066	302	684	659	421	28.3
Central Chillers .....	142	28	31	58	25	12,991	2,519	3,163	4,854	2,456	14.5
Packaged Air-Conditioning Units .....	1,459	208	331	610	310	27,830	5,879	6,564	10,058	5,329	8.2
Swamp Coolers .....	179	Q	Q	39	129	2,085	Q	Q	335	1,546	28.1
Other .....	8	Q	Q	Q	Q	268	Q	Q	Q	Q	68.4
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	3,343	531	851	1,356	605	50,311	9,893	12,918	18,108	9,392	6.6
Wall Insulation .....	2,320	376	584	960	401	33,240	6,633	8,184	12,175	6,248	7.7
Storm or Multiple Glazing .....	1,680	420	616	448	195	29,684	8,075	9,885	8,380	3,344	9.2
Tinted, Reflective or Shading Glass .....	1,068	115	235	451	266	25,396	4,184	6,540	8,899	5,774	9.9
Exterior or Interior Shading or Awnings .....	1,853	279	427	741	406	34,071	6,436	8,376	12,210	7,049	8.1
Windows that Open .....	2,119	451	541	756	371	28,937	7,706	8,117	8,838	4,276	8.5
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	250	46	68	59	77	13,970	3,147	4,172	3,744	2,907	13.4
Economizer Cycle .....	414	64	126	120	105	18,313	4,110	5,571	5,179	3,453	11.8
HVAC Maintenance .....	2,503	495	596	944	467	49,173	10,634	12,737	16,505	9,297	7.0

See footnotes at end of table.

**Table A2. Census Region, Number of Buildings and Floorspace, 1992 (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	
	RSE Column Factor:	0.6	1.2	1.1	1.0	1.3	0.6	1.3	1.1	1.1	
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	574	114	141	202	116	15,241	3,837	4,017	4,249	3,138	11.9
Natural Lighting Control .....											
Sensors .....	74	12	23	20	20	3,072	626	1,211	569	666	19.7
Occupancy Sensors .....	59	8	16	7	28	3,629	874	743	764	1,247	18.1
Time Clock .....	339	74	73	93	100	12,104	2,684	2,392	3,766	3,262	13.9
Manual Dimmer Switches .....	413	81	120	117	96	12,329	3,027	3,777	2,996	2,529	12.6
Other .....	78	21	16	12	29	2,596	617	704	440	836	20.3
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	4,357	711	1,097	1,737	812	64,403	12,891	16,619	22,659	12,234	6.5
Building Shell .....	4,223	693	1,076	1,667	787	62,056	12,612	16,031	21,758	11,655	6.6
HVAC .....	2,604	504	626	980	494	50,281	10,840	13,100	16,864	9,477	6.8
Lighting .....	1,178	241	295	375	268	29,453	6,727	7,790	8,307	6,628	8.7
Other .....	264	57	67	85	55	5,952	1,626	1,575	1,757	993	14.2
<b>Energy Management Practices (more than one may apply)</b>											
Energy Management and Control System .....	236	38	68	71	59	14,320	2,474	4,359	4,506	2,981	13.0
Demand-Side Management Participation .....	315	99	68	72	75	11,310	3,436	3,279	2,600	1,994	12.9
Energy Audit .....	521	132	122	157	110	14,779	4,136	3,944	3,810	2,890	10.2
Building Energy Manager .....	49	8	11	14	16	2,311	340	647	966	359	25.3
<b>Demand-Side Management Programs (more than one may apply)</b>											
Building Shell Program .....	36	13	8	9	6	1,079	198	447	273	161	29.4
HVAC Program .....	154	30	33	49	41	6,370	1,386	1,988	1,777	1,220	14.6
Lighting Program .....	228	85	49	44	50	8,805	3,014	2,620	1,740	1,431	15.4
Other DSM Programs .....	110	31	27	33	19	6,176	1,801	1,819	1,648	908	18.0

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A3. Census Region, Percent of Buildings and Floorspace, 1992**

Building Characteristics	Percent of Buildings					Percent of Floorspace					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	--	1.1	1.0	0.8	1.2	--	1.2	0.9	0.9	1.1	
<b>All Buildings</b> .....	100.0	16.0	25.0	40.8	18.1	100.0	19.7	25.5	36.2	18.6	6.3
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	100.0	14.3	25.2	43.7	16.8	100.0	14.7	25.8	43.1	16.5	10.0
5,001 to 10,000 .....	100.0	18.5	24.7	37.9	18.9	100.0	18.6	24.5	37.8	19.1	8.3
10,001 to 25,000 .....	100.0	16.9	25.3	36.9	21.0	100.0	16.0	25.9	36.4	21.6	8.5
25,001 to 50,000 .....	100.0	19.2	23.4	37.7	19.8	100.0	19.6	23.4	36.7	20.3	9.8
50,001 to 100,000 .....	100.0	21.4	25.4	35.5	17.7	100.0	21.7	26.0	35.3	17.0	11.1
100,001 to 200,000 .....	100.0	16.4	20.9	37.0	25.7	100.0	16.5	21.2	38.4	23.9	13.8
200,001 to 500,000 .....	100.0	20.5	37.6	24.4	17.4	100.0	21.5	36.0	24.9	17.6	13.2
Over 500,000 .....	100.0	26.0	20.5	44.5	9.1	100.0	31.6	22.0	37.0	9.4	33.0
<b>Principal Building Activity</b>											
Education .....	100.0	12.5	15.3	37.4	34.8	100.0	23.2	28.2	30.9	17.7	12.7
Food Sales .....	100.0	Q	22.0	44.0	24.5	100.0	Q	24.1	32.4	27.6	19.7
Food Service .....	100.0	20.7	28.2	31.9	19.1	100.0	29.8	28.9	27.3	13.9	14.7
Health Care .....	100.0	18.7	22.5	23.0	35.7	100.0	21.9	27.6	33.9	16.6	22.6
Lodging .....	100.0	20.0	17.0	36.7	26.4	100.0	21.3	20.0	36.1	22.6	17.9
Mercantile and Service .....	100.0	19.4	25.8	40.1	14.7	100.0	22.6	25.4	34.1	17.9	10.6
Office .....	100.0	16.8	22.6	40.0	20.6	100.0	20.5	22.8	33.7	23.0	10.3
Parking Garage .....	100.0	20.5	48.1	8.4	23.0	100.0	Q	33.4	Q	16.4	38.8
Public Assembly .....	100.0	14.3	27.2	43.0	15.5	100.0	17.1	18.9	49.8	14.2	21.0
Public Order and Safety .....	100.0	26.5	Q	40.8	Q	100.0	32.8	Q	29.1	Q	25.8
Religious Worship .....	100.0	8.3	23.6	52.9	15.2	100.0	12.1	30.4	36.4	21.1	17.2
Warehouse and Storage .....	100.0	14.4	30.6	41.5	13.5	100.0	15.4	27.1	43.2	14.4	15.1
Other .....	100.0	22.7	26.1	29.9	21.3	100.0	17.6	26.6	33.9	21.9	27.5
Vacant .....	100.0	11.3	24.9	48.1	15.6	100.0	16.1	23.7	36.5	23.7	16.9
<b>Year Constructed</b>											
1899 or Before .....	100.0	31.0	46.1	15.7	Q	100.0	39.3	41.9	9.7	Q	19.5
1900 to 1919 .....	100.0	24.4	41.2	25.9	8.5	100.0	29.2	34.5	21.8	14.5	21.3
1920 to 1945 .....	100.0	22.9	26.6	35.5	15.0	100.0	30.5	26.4	30.4	12.8	13.0
1946 to 1959 .....	100.0	14.1	23.6	41.9	20.4	100.0	19.9	25.2	37.4	17.5	11.4
1960 to 1969 .....	100.0	15.6	22.2	41.4	20.8	100.0	19.7	21.0	39.0	20.3	12.3
1970 to 1979 .....	100.0	12.0	25.3	43.4	19.3	100.0	15.2	29.2	35.2	20.4	9.8
1980 to 1989 .....	100.0	12.7	17.9	50.2	19.3	100.0	14.4	20.9	44.2	20.5	12.5
1990 to 1992 .....	100.0	11.0	29.7	39.7	19.6	100.0	11.4	26.8	36.2	25.6	20.9
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	100.0	16.4	24.7	40.7	18.3	100.0	19.9	25.4	36.0	18.7	6.2
Natural Gas .....	100.0	13.9	31.8	33.3	21.0	100.0	19.0	30.7	29.7	20.6	7.7
Fuel Oil .....	100.0	50.8	14.2	32.6	2.4	100.0	41.9	19.2	27.1	11.8	12.3
District Heat .....	100.0	24.5	24.8	28.9	21.9	100.0	29.2	35.3	18.4	17.1	18.6
District Chilled Water .....	100.0	7.3	25.1	36.2	31.4	100.0	14.6	33.1	31.9	20.4	28.9
Propane .....	100.0	21.2	23.8	45.5	Q	100.0	30.7	17.1	44.6	7.6	19.9
Any Other .....	100.0	20.0	27.9	38.3	13.9	100.0	28.6	16.4	28.7	26.2	24.5
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	100.0	16.6	25.1	40.4	17.9	100.0	20.7	26.3	34.9	18.0	6.3
Air-Conditioned Buildings .....	100.0	14.9	22.4	44.8	17.9	100.0	19.6	25.2	37.2	18.0	6.5
Buildings with Water Heating .....	100.0	17.9	25.9	37.3	19.0	100.0	21.2	26.4	33.5	18.8	6.4
Buildings with Cooking .....	100.0	19.4	27.4	35.0	18.3	100.0	24.9	25.1	33.7	16.3	9.7
Buildings with Manufacturing .....	100.0	21.5	31.6	31.0	15.9	100.0	23.8	28.2	32.7	15.3	22.3
<b>Predominant Exterior Wall Material</b>											
Masonry .....	100.0	16.1	24.4	40.5	19.0	100.0	20.5	26.6	35.3	17.5	7.1
Siding or Shingles .....	100.0	23.1	25.9	33.6	17.4	100.0	26.0	26.3	27.2	20.5	12.6
Metal Panels .....	100.0	9.1	28.8	49.9	12.1	100.0	12.6	24.0	52.8	10.7	15.6
Concrete Panels .....	100.0	6.8	13.8	40.8	38.6	100.0	20.2	14.9	29.5	35.4	22.5
Window Glass .....	100.0	25.3	19.3	38.6	16.7	100.0	18.3	25.8	35.0	20.9	27.0
Other .....	100.0	12.1	18.9	41.4	27.7	100.0	10.2	29.9	27.1	32.8	35.1

See footnotes at end of table.

**Table A3. Census Region, Percent of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics RSE Column Factor:	Percent of Buildings					Percent of Floorspace					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	--	1.1	1.0	0.8	1.2	--	1.2	0.9	0.9	1.1	
<b>Predominant Roof Material</b>											
Built-Up .....	100.0	13.8	21.1	40.5	24.7	100.0	16.2	21.1	38.5	24.3	8.7
Shingles (Not Wood) .....	100.0	20.1	26.7	38.5	14.6	100.0	23.0	30.4	30.0	16.6	9.4
Metal Surfacing .....	100.0	10.2	25.9	51.8	12.1	100.0	9.5	22.9	56.5	11.1	13.6
Synthetic or Rubber .....	100.0	25.9	39.5	25.4	9.1	100.0	32.1	36.9	22.3	8.6	11.1
Slate or Tile .....	100.0	25.9	14.6	29.0	30.5	100.0	26.3	19.3	28.9	25.6	20.6
Concrete .....	100.0	5.1	14.7	55.1	25.1	100.0	21.9	22.2	36.0	19.9	34.2
Other .....	100.0	11.3	22.7	38.7	27.3	100.0	21.5	20.2	30.9	27.4	22.2
<b>Floors</b>											
One .....	100.0	10.9	21.1	48.4	19.6	100.0	11.1	20.2	50.7	17.9	10.1
Two .....	100.0	18.5	31.3	33.5	16.8	100.0	19.8	28.6	31.4	20.2	8.5
Three .....	100.0	34.4	35.4	18.8	11.4	100.0	28.4	30.8	22.8	17.9	12.2
Four to Nine .....	100.0	38.4	25.1	17.9	18.6	100.0	27.4	28.8	26.2	17.6	15.5
Ten or More .....	100.0	30.6	19.3	22.9	27.1	100.0	32.3	22.8	25.3	19.6	24.6
<b>Percent Window Glass</b>											
25 or Less .....	100.0	15.4	25.8	41.8	16.9	100.0	17.5	25.4	39.4	17.7	7.2
26 to 50 .....	100.0	19.2	19.4	34.5	26.9	100.0	29.4	24.1	24.3	22.1	10.8
51 to 75 .....	100.0	27.1	24.1	26.0	22.8	100.0	21.9	29.1	29.4	19.7	21.2
76 to 100 .....	100.0	15.8	6.8	52.9	24.4	100.0	15.5	31.3	35.6	17.6	27.1
<b>Workers (main shift)</b>											
Less than 5 .....	100.0	14.9	26.5	43.4	15.2	100.0	15.1	26.5	42.8	15.7	9.9
5 to 9 .....	100.0	16.5	24.3	38.1	21.1	100.0	17.7	24.8	40.0	17.5	9.2
10 to 19 .....	100.0	16.9	21.7	39.6	21.8	100.0	16.9	23.2	40.4	19.5	12.3
20 to 49 .....	100.0	19.0	21.4	36.3	23.3	100.0	19.1	23.9	36.2	20.9	9.9
50 to 99 .....	100.0	22.3	24.0	33.2	20.5	100.0	24.5	25.8	29.4	20.3	13.0
100 to 249 .....	100.0	16.0	25.7	31.1	27.1	100.0	18.7	33.4	26.9	21.0	14.4
250 or More .....	100.0	23.7	20.1	29.0	27.3	100.0	31.4	20.9	29.4	18.4	15.9
<b>Weekly Operating Hours</b>											
39 or Fewer .....	100.0	11.9	30.2	46.7	11.2	100.0	17.0	29.8	39.8	13.5	12.2
40 to 48 .....	100.0	14.9	23.0	42.3	19.7	100.0	15.1	23.0	43.6	18.3	9.3
49 to 60 .....	100.0	18.3	23.1	39.4	19.2	100.0	18.7	24.7	35.6	21.0	8.7
61 to 84 .....	100.0	20.0	26.3	34.1	19.6	100.0	21.4	26.6	31.5	20.5	10.5
85 to 167 .....	100.0	17.4	26.6	34.9	21.0	100.0	29.4	26.2	22.9	21.6	13.6
Open Continuously .....	100.0	16.8	18.0	42.6	22.6	100.0	20.3	24.6	40.0	15.1	15.1
<b>Percent Vacant for at Least Three Months</b>											
1-50 Percent .....	100.0	23.7	24.0	31.4	20.9	100.0	24.3	28.2	29.1	18.4	11.7
51-99 Percent .....	100.0	8.3	25.1	48.4	18.2	100.0	22.4	19.5	35.0	23.0	23.8
100 Percent .....	100.0	11.0	25.4	44.5	19.2	100.0	18.3	23.0	33.5	25.2	15.6
None .....	100.0	16.0	25.1	41.2	17.7	100.0	18.6	25.2	38.3	17.9	6.9
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	100.0	16.2	25.4	41.1	17.2	100.0	18.9	24.9	36.9	19.3	6.3
Owner Occupied .....	100.0	17.3	26.4	39.7	16.6	100.0	19.0	27.1	35.2	18.7	6.4
Nonowner Occupied .....	100.0	13.7	21.2	44.2	20.9	100.0	19.2	18.0	42.2	20.6	13.9
Unoccupied .....	100.0	9.6	27.1	51.1	12.2	100.0	15.2	23.9	38.5	22.4	22.4
Government Owned .....	100.0	14.7	22.0	39.0	24.3	100.0	22.6	27.5	33.7	16.2	12.2
<b>Number of Establishments</b>											
One .....	100.0	15.9	25.2	41.3	17.7	100.0	18.6	25.6	38.4	17.5	7.3
2 to 5 .....	100.0	20.1	26.0	33.1	20.8	100.0	23.0	23.2	30.4	23.4	12.9
6 to 10 .....	100.0	18.4	17.7	34.9	29.0	100.0	16.9	22.0	34.2	26.9	20.8
11 to 20 .....	100.0	11.4	17.9	41.9	28.8	100.0	17.4	25.4	40.2	16.9	28.3
More than 20 .....	100.0	16.5	15.2	52.2	16.1	100.0	31.5	28.4	23.7	16.4	24.1
Currently Unoccupied .....	100.0	9.7	26.2	50.9	13.2	100.0	13.5	28.4	36.8	21.2	22.8

See footnotes at end of table.

**Table A3. Census Region, Percent of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics	Percent of Buildings					Percent of Floorspace					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	RSE Column Factor:	--	1.1	1.0	0.8	1.2	--	1.2	0.9	0.9	
<b>Percent of Floorspace Heated</b>											
Not Heated .....	100.0	11.8	25.8	42.9	19.5	100.0	10.4	18.0	48.0	23.5	15.7
1 to 50 .....	100.0	14.3	23.7	43.4	18.6	100.0	22.1	18.2	39.4	20.3	14.1
51 to 99 .....	100.0	18.0	23.2	37.1	21.8	100.0	20.7	22.0	30.4	26.8	10.9
100 .....	100.0	17.0	25.5	40.6	16.9	100.0	20.3	29.5	35.0	15.3	7.0
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	100.0	19.1	32.0	30.2	18.6	100.0	20.7	26.7	31.1	21.4	11.4
1 to 50 .....	100.0	20.5	24.4	41.3	13.7	100.0	26.0	29.1	29.8	15.1	8.9
51 to 99 .....	100.0	19.0	25.9	37.0	18.1	100.0	22.0	27.6	29.5	20.9	10.8
100 .....	100.0	9.3	19.6	50.3	20.8	100.0	11.5	19.8	49.5	19.2	9.2
<b>Percent Lit when Open</b>											
Not Lit .....	100.0	11.2	33.3	43.2	12.2	100.0	13.9	31.4	36.4	18.3	19.6
1 to 50 .....	100.0	19.3	27.8	39.0	13.9	100.0	17.7	27.8	37.7	16.9	11.2
51 to 99 .....	100.0	21.1	25.8	34.8	18.3	100.0	21.8	27.5	32.4	18.3	11.7
100 .....	100.0	14.2	22.6	42.9	20.3	100.0	20.0	23.7	37.2	19.1	6.9
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	100.0	9.2	6.2	62.4	22.1	100.0	16.1	16.0	43.9	24.0	15.7
Furnaces .....	100.0	17.2	35.0	33.0	14.9	100.0	19.3	33.0	29.4	18.3	9.7
Individual Space Heaters .....	100.0	14.9	25.7	42.7	16.8	100.0	21.9	27.6	34.1	16.3	9.5
District Heat .....	100.0	24.9	25.1	28.5	21.5	100.0	29.7	35.8	17.7	16.8	18.7
Boilers .....	100.0	41.8	30.2	17.7	10.4	100.0	30.0	31.3	26.2	12.5	11.1
Packaged Heating Units .....	100.0	9.9	13.9	50.5	25.6	100.0	18.1	19.0	40.3	22.7	11.2
Other .....	100.0	27.7	25.3	35.3	Q	100.0	20.0	22.7	34.2	Q	30.6
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central Air Conditioners .....	100.0	11.9	33.7	44.4	10.1	100.0	16.7	32.9	38.3	12.1	11.9
Heat Pumps .....	100.0	9.5	6.5	62.8	21.3	100.0	15.3	16.8	44.5	23.3	15.2
Individual Air Conditioners .....	100.0	26.3	22.4	42.3	9.0	100.0	32.3	26.3	31.6	9.8	11.7
District Chilled Water .....	100.0	7.3	25.1	36.2	31.4	100.0	14.6	33.1	31.9	20.4	28.9
Central Chillers .....	100.0	19.7	22.0	40.6	17.7	100.0	19.4	24.3	37.4	18.9	14.9
Packaged Air-Conditioning Units .....	100.0	14.2	22.7	41.8	21.2	100.0	21.1	23.6	36.1	19.1	8.2
Swamp Coolers .....	100.0	Q	Q	21.6	71.9	100.0	Q	Q	16.1	74.1	19.7
Other .....	100.0	Q	Q	Q	Q	100.0	Q	Q	Q	Q	100.0
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	100.0	15.9	25.5	40.5	18.1	100.0	19.7	25.7	36.0	18.7	6.8
Wall Insulation .....	100.0	16.2	25.2	41.4	17.3	100.0	20.0	24.6	36.6	18.8	7.9
Storm or Multiple Glazing .....	100.0	25.0	36.7	26.7	11.6	100.0	27.2	33.3	28.2	11.3	9.5
Tinted, Reflective or Shading Glass .....	100.0	10.8	22.0	42.2	24.9	100.0	16.5	25.8	35.0	22.7	9.4
Exterior or Interior Shading or Awnings .....	100.0	15.1	23.1	40.0	21.9	100.0	18.9	24.6	35.8	20.7	8.4
Windows that Open .....	100.0	21.3	25.5	35.7	17.5	100.0	26.6	28.1	30.5	14.8	8.6
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	100.0	18.3	27.4	23.6	30.8	100.0	22.5	29.9	26.8	20.8	13.7
Economizer Cycle .....	100.0	15.3	30.5	28.9	25.2	100.0	22.4	30.4	28.3	18.9	12.2
HVAC Maintenance .....	100.0	19.8	23.8	37.7	18.7	100.0	21.6	25.9	33.6	18.9	6.9

See footnotes at end of table.

**Table A3. Census Region, Percent of Buildings and Floorspace, 1992 (Continued)**

Building Characteristics	Percent of Buildings					Percent of Floorspace					RSE Row Factor
	All Buildings	Northeast	Midwest	South	West	All Buildings	Northeast	Midwest	South	West	
	RSE Column Factor: --	1.1	1.0	0.8	1.2	--	1.2	0.9	0.9	1.1	
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	100.0	19.9	24.6	35.2	20.2	100.0	25.2	26.4	27.9	20.6	11.7
Natural Lighting Control Sensors .....	100.0	16.8	30.4	26.4	26.4	100.0	20.4	39.4	18.5	21.7	19.3
Occupancy Sensors .....	100.0	13.4	27.5	11.4	47.8	100.0	24.1	20.5	21.1	34.4	19.1
Time Clock .....	100.0	21.8	21.4	27.3	29.4	100.0	22.2	19.8	31.1	27.0	14.6
Manual Dimmer Switches .....	100.0	19.5	29.0	28.4	23.1	100.0	24.5	30.6	24.3	20.5	12.5
Other .....	100.0	26.9	20.5	14.9	37.7	100.0	23.7	27.1	16.9	32.2	20.2
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	100.0	16.3	25.2	39.9	18.6	100.0	20.0	25.8	35.2	19.0	6.5
Building Shell .....	100.0	16.4	25.5	39.5	18.6	100.0	20.3	25.8	35.1	18.8	6.6
HVAC .....	100.0	19.4	24.0	37.6	19.0	100.0	21.6	26.1	33.5	18.8	6.7
Lighting .....	100.0	20.4	25.0	31.8	22.7	100.0	22.8	26.4	28.2	22.5	9.0
Other .....	100.0	21.6	25.6	32.1	20.7	100.0	27.3	26.5	29.5	16.7	13.9
<b>Energy Management Practices (more than one may apply)</b>											
Energy Management and Control System .....	100.0	16.3	28.8	29.9	24.9	100.0	17.3	30.4	31.5	20.8	12.7
Demand-Side Management Participation .....	100.0	31.4	21.7	23.0	23.9	100.0	30.4	29.0	23.0	17.6	13.1
Energy Audit .....	100.0	25.4	23.3	30.1	21.2	100.0	28.0	26.7	25.8	19.6	9.9
Building Energy Manager .....	100.0	15.5	23.0	28.8	32.7	100.0	14.7	28.0	41.8	15.5	24.7
<b>Demand-Side Management Programs (more than one may apply)</b>											
Building Shell Program .....	100.0	35.9	23.4	23.7	17.0	100.0	18.3	41.4	25.3	14.9	29.6
HVAC Program .....	100.0	19.8	21.6	31.9	26.7	100.0	21.8	31.2	27.9	19.1	14.2
Lighting Program .....	100.0	37.2	21.6	19.4	21.9	100.0	34.2	29.8	19.8	16.3	15.5
Other DSM Programs .....	100.0	28.1	24.3	30.1	17.5	100.0	29.2	29.5	26.7	14.7	17.8

-- = Data not applicable.

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.



**Table A4. Census Region and Division, Number of Buildings, 1992**  
(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	
		0.3	1.7	1.0	0.8	1.3	0.8	1.3	1.2	1.5	
<b>All Buildings</b> .....	4,806	186	585	749	453	755	454	754	297	574	13.0
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	2,681	87	297	422	254	431	249	490	166	285	16.1
5,001 to 10,000 .....	975	50	129	149	92	138	97	135	51	133	14.7
10,001 to 25,000 .....	647	22	88	104	59	99	63	76	49	87	15.3
25,001 to 50,000 .....	280	14	40	37	29	51	29	26	20	35	17.6
50,001 to 100,000 .....	116	9	16	22	8	18	8	14	5	16	17.6
100,001 to 200,000 .....	71	3	8	9	6	13	7	7	4	14	23.9
200,001 to 500,000 .....	26	(*)	5	5	4	4	1	2	1	4	25.3
Over 500,000 .....	9	Q	2	1	1	1	Q	Q	Q	1	44.0
<b>Principal Building Activity</b>											
Education .....	301	12	26	26	20	40	19	54	22	82	21.6
Food Sales .....	130	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.4
Food Service .....	260	Q	45	48	Q	39	Q	34	Q	38	20.6
Health Care .....	63	Q	9	8	Q	Q	Q	Q	Q	19	37.5
Lodging .....	154	Q	21	11	15	29	17	11	13	28	30.5
Mercantile and Service .....	1,272	55	191	216	113	177	137	196	63	124	14.2
Office .....	749	42	84	116	53	113	78	108	52	102	18.0
Parking Garage .....	24	Q	Q	Q	Q	2	Q	Q	Q	2	56.8
Public Assembly .....	278	11	29	44	32	53	17	49	17	26	22.3
Public Order and Safety .....	60	Q	16	Q	Q	Q	Q	Q	Q	Q	32.9
Religious Worship .....	366	Q	22	47	39	86	Q	65	23	33	23.8
Warehouse and Storage .....	761	18	91	142	91	116	83	117	48	54	22.5
Other .....	69	Q	13	Q	11	11	Q	Q	Q	Q	43.8
Vacant .....	319	Q	29	53	27	47	35	72	Q	31	24.0
<b>Year Constructed</b>											
1899 or Before .....	169	10	42	52	26	Q	Q	Q	Q	Q	27.4
1900 to 1919 .....	255	22	41	67	38	21	Q	26	Q	Q	27.4
1920 to 1945 .....	724	36	130	125	68	98	59	100	35	74	21.2
1946 to 1959 .....	880	37	87	134	74	127	70	172	48	131	16.6
1960 to 1969 .....	783	23	99	111	63	140	74	111	52	110	17.0
1970 to 1979 .....	982	29	89	167	81	158	110	158	64	126	17.3
1980 to 1989 .....	884	25	87	75	83	175	99	169	69	101	17.3
1990 to 1992 .....	128	Q	9	18	20	26	16	9	4	21	35.2
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,616	186	569	723	416	736	428	712	283	562	12.8
Natural Gas .....	2,665	63	307	561	287	188	224	476	198	362	15.3
Fuel Oil .....	559	104	180	59	20	130	35	17	3	11	23.3
District Heat .....	95	6	18	10	13	16	5	7	9	12	27.6
District Chilled Water .....	28	Q	2	1	6	6	Q	3	Q	7	41.2
Propane .....	337	Q	45	33	Q	101	38	Q	Q	Q	31.4
Any Other .....	163	Q	24	24	Q	40	Q	Q	Q	19	32.7
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	4,178	182	513	662	385	657	404	626	255	495	12.7
Air-Conditioned Buildings .....	3,502	128	393	478	307	596	369	604	221	407	12.4
Buildings with Water Heating .....	3,502	162	464	577	329	509	316	482	222	442	12.6
Buildings with Cooking .....	734	36	106	132	69	105	56	96	32	102	16.4
Buildings with Manufacturing .....	121	13	13	21	Q	14	Q	19	Q	13	29.3

See footnotes at end of table.

**Table A4. Census Region and Division, Number of Buildings, 1992 (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:	0.3	1.7	1.0	0.8	1.3	0.8	1.3	1.2	1.5	0.9	
<b>Predominant Exterior Wall Material</b>											
Masonry .....	3,115	116	387	498	262	524	296	441	210	383	12.5
Siding or Shingles .....	764	48	129	122	76	104	49	104	27	105	20.8
Metal Panels .....	745	Q	55	113	102	101	96	175	Q	45	23.3
Concrete Panels .....	87	Q	5	5	7	Q	Q	22	8	26	27.6
Window Glass .....	46	Q	Q	Q	Q	Q	Q	5	Q	7	38.7
Other .....	47	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.0
<b>Predominant Roof Material</b>											
Built-Up .....	1,642	57	170	229	117	256	143	266	134	272	13.3
Shingles (Not Wood) .....	1,381	76	202	245	124	232	133	166	63	139	16.3
Metal Surfacing .....	1,037	Q	89	135	133	162	125	250	Q	68	21.9
Synthetic or Rubber .....	386	28	72	112	41	46	25	27	11	25	18.9
Slate or Tile .....	155	8	32	12	Q	21	Q	Q	Q	38	27.9
Concrete .....	37	Q	2	4	Q	15	Q	Q	Q	6	53.5
Other .....	167	Q	18	Q	26	23	Q	26	Q	26	33.2
<b>Floors</b>											
One .....	3,007	70	259	381	253	518	312	625	198	390	16.3
Two .....	1,154	54	160	226	134	172	113	102	65	129	13.9
Three .....	446	39	115	113	45	44	21	19	16	34	22.5
Four to Nine .....	186	23	48	27	20	19	7	Q	16	18	25.3
Ten or More .....	13	Q	3	2	Q	Q	Q	Q	Q	3	35.4
<b>Percent Window Glass</b>											
25 or Less .....	4,193	147	499	660	422	679	392	683	258	452	13.5
26 to 50 .....	490	27	67	68	28	60	50	59	33	98	17.0
51 to 75 .....	94	11	15	20	Q	9	Q	Q	Q	19	31.8
76 to 100 .....	29	Q	3	2	Q	8	Q	Q	Q	4	42.1
<b>Workers (main shift)</b>											
Less than 5 .....	2,718	76	328	447	275	448	247	485	155	257	16.1
5 to 9 .....	895	44	104	148	69	117	78	145	63	125	15.4
10 to 19 .....	561	27	67	66	56	90	73	60	36	87	18.2
20 to 49 .....	405	23	54	54	33	61	41	45	27	67	16.4
50 to 99 .....	130	10	19	20	12	23	9	11	8	18	19.9
100 to 249 .....	64	3	7	11	6	10	5	5	4	13	22.0
250 or More .....	31	2	6	4	3	6	1	2	Q	6	23.6
<b>Weekly Operating Hours</b>											
39 or Fewer .....	1,039	16	107	176	138	185	93	208	46	70	20.7
40 to 48 .....	1,278	52	139	198	96	183	151	207	86	166	16.6
49 to 60 .....	1,004	43	141	159	72	152	84	159	61	132	15.3
61 to 84 .....	645	33	95	107	63	91	44	85	38	88	14.4
85 to 167 .....	478	28	55	74	53	72	42	52	36	65	19.8
Open Continuously .....	362	14	47	34	31	71	41	43	29	53	21.0
<b>Percent Vacant for at Least Three Months</b>											
1-50 Percent .....	362	30	55	51	36	53	23	38	20	56	18.7
51-99 Percent .....	97	Q	6	11	Q	15	Q	22	Q	10	36.2
100 Percent .....	398	Q	36	55	46	61	36	80	23	54	23.7
None .....	3,948	146	487	632	357	626	385	614	247	454	13.3
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	4,206	163	520	679	392	660	407	662	251	474	12.9
Owner Occupied .....	3,192	140	413	562	282	474	321	473	205	325	13.6
Nonowner Occupied .....	817	21	91	82	91	149	73	139	39	132	18.9
Unoccupied .....	197	Q	17	35	Q	37	Q	51	Q	17	30.9
Government Owned .....	599	23	65	71	61	95	47	91	46	100	20.6

See footnotes at end of table.

**Table A4. Census Region and Division, Number of Buildings, 1992 (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:	0.3	1.7	1.0	0.8	1.3	0.8	1.3	1.2	1.5	0.9	
<b>Number of Establishments</b>											
One .....	3,886	144	473	614	363	608	380	617	246	441	13.9
2 to 5 .....	517	33	71	83	51	67	49	55	31	76	18.7
6 to 10 .....	89	Q	11	7	Q	21	Q	9	Q	24	28.4
11 to 20 .....	49	Q	Q	Q	Q	12	Q	Q	Q	10	44.8
More than 20 .....	36	Q	5	3	3	8	Q	7	Q	5	36.0
Currently Unoccupied .....	229	Q	20	39	Q	40	Q	60	Q	17	28.9
<b>Percent of Floorspace Heated</b>											
Not Heated .....	653	Q	72	98	71	100	50	130	Q	84	20.7
1 to 50 .....	688	20	78	105	58	126	67	106	37	91	19.0
51 to 99 .....	618	35	76	89	54	80	40	109	39	96	19.2
100 .....	2,846	126	358	457	270	449	297	409	178	302	13.0
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	1,304	58	192	272	146	160	84	150	76	167	19.1
1 to 50 .....	1,176	49	192	176	111	200	110	177	51	110	15.0
51 to 99 .....	658	40	85	112	58	82	66	96	41	79	18.2
100 .....	1,668	39	116	190	137	314	194	331	129	218	14.7
<b>Percent Lit when Open</b>											
Not Lit .....	413	Q	41	61	77	50	37	92	Q	26	26.0
1 to 50 .....	881	29	141	161	84	134	73	137	44	78	17.5
51 to 99 .....	813	40	131	148	62	122	61	101	49	100	16.6
100 .....	2,699	112	271	379	230	450	284	424	180	369	13.3
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	449	8	34	16	12	160	78	43	30	70	23.2
Furnaces .....	1,692	60	231	378	213	187	129	241	104	148	16.3
Individual Space Heaters .....	1,464	55	163	233	143	229	173	223	90	155	16.9
District Heat .....	93	6	18	10	13	16	5	6	8	12	27.9
Boilers .....	624	90	171	124	64	63	24	23	32	33	18.5
Packaged Heating Units .....	870	22	65	76	45	155	88	197	41	181	18.1
Other .....	42	Q	Q	Q	Q	Q	Q	Q	Q	Q	65.5
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central											
Air Conditioners .....	816	33	64	157	118	113	71	179	33	49	20.6
Heat Pumps .....	454	11	32	18	11	161	83	41	30	66	21.5
Individual Air Conditioners .....	1,023	64	204	161	69	163	110	161	26	66	18.2
District Chilled Water .....	28	Q	2	1	6	6	Q	3	Q	7	41.2
Central Chillers .....	142	11	17	19	13	32	10	16	8	17	22.0
Packaged Air-Conditioning											
Units .....	1,459	48	160	197	134	211	136	263	78	232	14.8
Swamp Coolers .....	179	Q	Q	Q	Q	Q	Q	33	93	36	34.8
Other .....	8	Q	Q	Q	Q	Q	Q	Q	Q	Q	126.7
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	3,343	151	380	538	313	561	310	485	231	374	13.1
Wall Insulation .....	2,320	102	273	362	222	391	229	339	137	264	14.3
Storm or Multiple Glazing .....	1,680	110	310	399	217	203	136	110	96	99	16.8
Tinted, Reflective or Shading Glass .....	1,068	32	83	137	99	189	95	166	79	188	15.1
Exterior or Interior Shading or Awnings .....	1,853	81	198	259	168	306	170	265	134	272	14.6
Windows that Open .....	2,119	119	332	354	187	338	165	252	122	249	15.8

See footnotes at end of table.

**Table A4. Census Region and Division, Number of Buildings, 1992 (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	
		0.3	1.7	1.0	0.8	1.3	0.8	1.3	1.2	1.5	
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	250	Q	30	41	27	28	11	20	21	56	17.7
Economizer Cycle .....	414	17	46	71	56	66	28	26	36	69	18.9
HVAC Maintenance .....	2,503	144	351	373	223	398	219	328	155	312	13.5
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	574	32	82	89	52	85	44	73	23	93	18.9
Natural Lighting Control											
Sensors .....	74	2	11	15	8	12	Q	Q	9	11	33.0
Occupancy Sensors .....	59	3	4	15	Q	3	Q	3	4	24	28.7
Time Clock .....	339	23	51	51	22	56	10	27	33	66	20.6
Manual Dimmer Switches .....	413	31	50	79	41	49	24	45	32	64	18.8
Other .....	78	Q	18	10	Q	5	Q	Q	13	17	37.0
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	4,357	182	530	693	403	704	391	642	279	533	12.9
Building Shell .....	4,223	179	514	677	399	679	371	617	269	518	13.1
HVAC .....	2,604	145	359	390	236	420	226	333	166	328	13.2
Lighting .....	1,178	72	168	195	100	164	74	137	81	187	14.2
Other .....	264	13	44	50	18	44	8	32	15	40	23.8
<b>Energy Management Practices (more than one may apply)</b>											
Energy Management and Control System .....	236	14	25	44	24	23	27	21	14	45	20.3
Demand-Side Management Participation .....	315	45	54	53	16	44	15	14	13	62	23.1
Energy Audit .....	521	43	89	84	38	64	34	59	17	93	20.0
Building Energy Manager .....	49	Q	Q	7	Q	3	Q	10	Q	12	40.3
<b>Demand-Side Management Programs (more than one may apply)</b>											
Building Shell Program .....	36	Q	Q	8	Q	6	Q	Q	Q	6	50.2
HVAC Program .....	154	Q	20	25	8	33	Q	8	Q	32	23.9
Lighting Program .....	228	41	44	42	7	25	9	10	8	41	26.0
Other DSM Programs .....	110	Q	13	19	7	22	Q	6	Q	18	26.8

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

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A5. Census Region and Division, Floorspace, 1992**  
(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	1.5	1.1	0.8	1.2	0.9	1.1	1.3	1.3	0.9	
<b>All Buildings</b> .....	67,876	3,265	10,135	10,712	6,568	10,586	5,375	8,616	3,645	8,974	10.9
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	7,327	240	834	1,224	666	1,123	659	1,373	460	748	16.2
5,001 to 10,000 .....	7,199	387	949	1,079	684	1,028	703	992	388	988	14.5
10,001 to 25,000 .....	10,375	333	1,330	1,685	1,004	1,542	999	1,241	811	1,430	14.9
25,001 to 50,000 .....	10,069	520	1,456	1,356	998	1,737	1,047	912	773	1,270	18.4
50,001 to 100,000 .....	8,062	625	1,127	1,588	510	1,254	585	1,003	288	1,083	17.2
100,001 to 200,000 .....	9,678	460	1,138	1,231	817	1,847	943	930	497	1,815	23.3
200,001 to 500,000 .....	7,889	156	1,540	1,496	1,343	1,083	359	526	295	1,091	25.1
Over 500,000 .....	7,278	Q	1,759	1,053	548	972	Q	Q	Q	550	40.3
<b>Principal Building Activity</b>											
Education .....	8,470	604	1,364	1,534	852	1,168	548	904	410	1,086	17.8
Food Sales .....	757	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.6
Food Service .....	1,491	Q	348	290	Q	180	Q	178	Q	154	21.0
Health Care .....	1,763	Q	241	265	222	307	Q	Q	Q	261	29.9
Lodging .....	2,891	Q	458	409	168	524	258	261	235	419	27.1
Mercantile and Service .....	12,402	603	2,195	1,860	1,296	1,632	1,129	1,472	662	1,552	18.8
Office .....	12,319	691	1,833	2,025	780	2,040	941	1,171	758	2,080	15.2
Parking Garage .....	1,652	Q	Q	Q	Q	Q	Q	Q	Q	224	55.2
Public Assembly .....	4,556	Q	547	457	404	704	180	Q	207	442	28.7
Public Order and Safety .....	820	Q	268	Q	Q	Q	Q	Q	Q	Q	47.4
Religious Worship .....	3,747	Q	377	816	322	649	286	431	200	592	30.2
Warehouse and Storage .....	11,484	289	1,475	1,909	1,199	2,115	1,441	1,408	607	1,042	24.5
Other .....	1,130	Q	120	Q	Q	167	Q	Q	Q	181	36.9
Vacant .....	4,396	Q	490	538	505	437	253	914	236	805	29.8
<b>Year Constructed</b>											
1899 or Before .....	1,721	113	562	404	Q	Q	Q	Q	Q	Q	28.6
1900 to 1919 .....	3,608	310	743	780	Q	Q	Q	Q	Q	Q	28.1
1920 to 1945 .....	8,712	570	2,085	1,586	710	1,006	562	1,078	297	818	22.6
1946 to 1959 .....	10,421	441	1,629	1,921	708	1,230	1,057	1,610	545	1,280	19.7
1960 to 1969 .....	12,612	436	2,048	1,861	790	2,667	907	1,340	670	1,892	20.1
1970 to 1979 .....	14,014	634	1,490	2,350	1,736	2,267	1,195	1,478	699	2,166	16.2
1980 to 1989 .....	14,287	669	1,384	1,442	1,540	2,589	1,266	2,463	1,022	1,912	20.5
1990 to 1992 .....	2,502	Q	194	369	301	487	268	151	148	491	25.8
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	66,549	3,265	9,971	10,586	6,328	10,431	5,237	8,318	3,562	8,853	11.0
Natural Gas .....	45,097	1,761	6,798	8,669	5,169	4,776	3,259	5,372	2,560	6,732	12.1
Fuel Oil .....	13,218	2,184	3,351	1,604	938	2,319	557	706	348	1,212	18.4
District Heat .....	5,339	413	1,147	991	893	451	131	402	364	548	24.6
District Chilled Water .....	2,066	Q	245	Q	462	252	Q	345	Q	345	36.7
Propane .....	3,393	Q	581	349	230	1,177	221	Q	Q	221	27.8
Any Other .....	1,551	Q	383	136	Q	Q	Q	Q	Q	Q	35.6
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	61,996	3,220	9,638	10,168	6,135	9,482	4,550	7,627	3,382	7,794	10.8
Air-Conditioned Buildings .....	57,041	2,647	8,511	8,748	5,635	9,358	4,397	7,451	3,081	7,215	11.2
Buildings with Water Heating .....	58,479	3,043	9,367	9,580	5,880	8,581	4,127	6,884	3,221	7,795	10.7
Buildings with Cooking .....	23,065	1,411	4,329	3,727	2,073	3,379	1,337	3,052	1,007	2,751	17.4
Buildings with Manufacturing .....	3,174	371	385	722	173	486	Q	488	Q	301	30.9

See footnotes at end of table.

**Table A5. Census Region and Division, Floorspace, 1992 (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	1.5	1.1	0.8	1.2	0.9	1.1	1.3	1.3	0.9	
<b>Predominant Exterior Wall Material</b>											
Masonry .....	48,585	2,537	7,444	8,236	4,677	7,852	3,297	6,024	2,643	5,874	11.7
Siding or Shingles .....	3,873	365	643	617	400	371	224	457	96	700	20.4
Metal Panels .....	7,392	Q	786	967	808	1,389	1,300	1,211	301	487	22.8
Concrete Panels .....	4,961	Q	Q	323	418	587	Q	511	514	1,241	27.2
Window Glass .....	2,028	Q	310	480	Q	320	Q	220	Q	380	35.4
Other .....	1,037	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.6
<b>Predominant Roof Material</b>											
Built-Up .....	30,257	882	4,007	4,485	1,889	5,096	2,175	4,381	2,048	5,293	15.1
Shingles (Not Wood) .....	10,570	696	1,738	2,221	992	1,201	872	1,095	466	1,289	18.7
Metal Surfacing .....	9,019	Q	678	941	1,123	1,884	1,184	2,029	424	579	20.1
Synthetic or Rubber .....	11,702	941	2,817	2,489	1,828	1,169	848	597	317	695	18.1
Slate or Tile .....	1,998	209	317	186	Q	310	Q	200	Q	431	33.9
Concrete .....	2,544	Q	225	Q	Q	Q	Q	167	Q	418	42.9
Other .....	1,786	Q	354	Q	246	242	Q	146	Q	269	30.1
<b>Floors</b>											
One .....	25,424	563	2,271	3,172	1,974	4,634	2,622	5,637	1,384	3,168	17.1
Two .....	18,025	883	2,680	3,389	1,764	2,619	1,480	1,561	1,138	2,511	15.3
Three .....	9,877	623	2,184	1,969	1,073	1,288	420	547	388	1,385	18.8
Four to Nine .....	10,377	832	2,016	1,533	1,456	1,593	Q	440	611	1,217	22.0
Ten or More .....	4,173	Q	984	648	Q	451	Q	432	Q	695	32.8
<b>Percent Window Glass</b>											
25 or Less .....	51,356	1,978	7,011	7,563	5,464	8,644	4,278	7,307	2,851	6,262	12.6
26 to 50 .....	11,815	1,092	2,387	1,958	894	1,225	744	903	601	2,012	19.3
51 to 75 .....	3,206	119	582	787	Q	393	Q	255	Q	526	26.4
76 to 100 .....	1,499	Q	156	Q	Q	324	Q	Q	Q	175	31.5
<b>Workers (main shift)</b>											
Less than 5 .....	17,944	420	2,287	3,023	1,724	2,844	1,264	3,568	947	1,866	18.6
5 to 9 .....	7,524	342	986	1,192	675	1,252	745	1,015	367	949	16.9
10 to 19 .....	8,077	360	1,006	808	1,064	1,224	1,272	770	557	1,016	21.6
20 to 49 .....	10,556	533	1,481	1,659	862	1,653	911	1,254	655	1,549	16.5
50 to 99 .....	7,763	572	1,327	1,329	673	982	438	865	453	1,125	21.5
100 to 249 .....	7,378	312	1,065	1,562	905	1,174	342	468	273	1,277	24.0
250 or More .....	8,633	725	1,982	1,138	667	1,455	403	676	393	1,193	24.5
<b>Weekly Operating Hours</b>											
39 or Fewer .....	8,246	Q	1,185	1,523	931	1,282	596	1,401	352	762	20.4
40 to 48 .....	14,998	715	1,557	2,399	1,047	2,414	2,227	1,901	926	1,812	16.5
49 to 60 .....	14,046	489	2,133	2,404	1,070	2,195	902	1,906	927	2,021	13.8
61 to 84 .....	12,062	790	1,788	2,116	1,097	1,894	606	1,295	490	1,986	18.5
85 to 167 .....	8,467	528	1,958	1,033	1,184	949	471	518	456	1,370	19.6
Open Continuously .....	10,057	528	1,514	1,238	1,239	1,852	573	Q	495	1,022	20.4
<b>Percent Vacant for at Least Three Months</b>											
1-50 Percent .....	12,420	920	2,101	2,327	1,174	1,871	700	1,039	507	1,782	19.9
51-99 Percent .....	2,263	Q	307	298	Q	228	Q	Q	Q	446	38.3
100 Percent .....	4,109	Q	554	439	507	491	295	591	259	775	23.8
None .....	49,085	1,946	7,173	7,649	4,743	7,995	4,304	6,500	2,804	5,972	12.1
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	52,752	2,604	7,374	8,567	4,561	8,032	4,425	7,023	2,794	7,373	11.0
Owner Occupied .....	38,403	2,257	5,054	7,136	3,285	5,456	3,483	4,564	2,240	4,928	10.5
Nonowner Occupied .....	12,273	295	2,055	1,150	1,062	2,262	847	Q	448	2,086	21.3
Unoccupied .....	2,077	Q	265	281	Q	315	Q	390	Q	359	32.4
Government Owned .....	15,124	661	2,761	2,145	2,008	2,553	951	1,593	851	1,602	18.5

See footnotes at end of table.

**Table A5. Census Region and Division, Floorspace, 1992 (Continued)**  
(Million Square Feet)

Building Characteristics	Census Region and Division										RSE Row Factor
	Total Floorspace of 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	1.5	1.1	0.8	1.2	0.9	1.1	1.3	1.3	0.9	
<b>Number of Establishments</b>											
One .....	47,997	2,171	6,742	7,839	4,428	7,329	4,275	6,805	2,607	5,802	12.9
2 to 5 .....	7,882	447	1,362	1,033	798	1,081	737	578	621	1,225	22.9
6 to 10 .....	2,562	Q	330	407	Q	450	Q	367	Q	609	28.7
11 to 20 .....	2,039	Q	272	Q	Q	600	Q	Q	Q	280	37.2
More than 20 .....	4,938	Q	1,148	935	466	783	Q	277	Q	697	30.8
Currently Unoccupied .....	2,457	Q	281	298	Q	343	Q	454	Q	362	31.3
<b>Percent of Floorspace Heated</b>											
Not Heated .....	6,211	Q	583	625	495	1,159	825	999	269	1,191	27.3
1 to 50 .....	11,195	500	1,979	1,181	853	2,094	847	1,474	508	1,760	23.1
51 to 99 .....	10,211	559	1,555	1,607	642	1,444	436	1,227	739	2,002	20.2
100 .....	40,260	2,142	6,018	7,298	4,578	5,889	3,267	4,916	2,129	4,022	11.5
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	10,835	618	1,625	1,964	934	1,228	979	1,166	564	1,759	21.7
1 to 50 .....	21,715	1,377	4,263	3,769	2,549	3,137	1,304	2,041	859	2,417	15.4
51 to 99 .....	13,872	655	2,393	2,522	1,303	1,823	917	1,357	927	1,975	16.2
100 .....	21,454	615	1,854	2,457	1,783	4,398	2,175	4,053	1,295	2,824	15.0
<b>Percent Lit when Open</b>											
Not Lit .....	3,280	Q	370	424	607	395	238	560	201	401	28.3
1 to 50 .....	9,980	436	1,327	1,942	829	1,373	1,071	1,315	336	1,352	20.7
51 to 99 .....	14,224	824	2,274	2,734	1,180	1,784	791	Q	752	1,847	17.4
100 .....	40,393	1,921	6,164	5,612	3,953	7,034	3,275	4,704	2,356	5,374	11.5
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	8,269	295	1,033	857	467	2,218	980	433	452	1,533	20.6
Furnaces .....	16,909	570	2,698	3,516	2,063	1,742	1,218	2,011	1,008	2,083	15.7
Individual Space Heaters .....	22,380	974	3,934	3,721	2,466	3,482	1,541	2,619	1,205	2,438	14.1
District Heat .....	5,225	406	1,147	976	893	401	131	395	342	533	24.8
Boilers .....	20,664	1,868	4,325	4,234	2,244	2,493	989	Q	800	1,789	15.6
Packaged Heating Units .....	16,000	479	2,411	2,053	981	3,061	1,010	2,369	548	3,089	16.8
Other .....	903	Q	Q	Q	Q	Q	Q	Q	Q	Q	47.2
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central											
Air Conditioners .....	9,021	588	920	1,758	1,210	1,234	807	1,413	414	677	17.9
Heat Pumps .....	8,406	342	944	924	491	2,298	1,064	383	458	1,502	20.5
Individual Air Conditioners .....	17,979	1,201	4,605	3,011	1,712	2,220	1,040	2,423	475	1,292	20.6
District Chilled Water .....	2,066	Q	245	Q	462	252	Q	345	Q	345	36.7
Central Chillers .....	12,991	896	1,623	2,041	1,122	2,161	754	Q	650	1,806	20.6
Packaged Air-Conditioning											
Units .....	27,830	1,261	4,618	3,930	2,634	4,708	1,781	3,570	1,347	3,981	13.5
Swamp Coolers .....	2,085	Q	Q	Q	Q	Q	Q	Q	1,156	390	33.1
Other .....	268	Q	Q	Q	Q	Q	Q	Q	Q	Q	93.0
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	50,311	2,720	7,173	7,781	5,137	8,371	3,734	6,002	3,094	6,298	11.1
Wall Insulation .....	33,240	2,001	4,632	5,060	3,124	5,354	2,716	4,106	2,038	4,210	12.1
Storm or Multiple Glazing .....	29,684	2,314	5,761	6,180	3,706	3,704	2,083	2,593	1,500	1,843	14.8
Tinted, Reflective or Shading											
Glass .....	25,396	1,239	2,945	3,955	2,585	3,908	1,587	3,403	1,607	4,166	15.7
Exterior or Interior Shading											
or Awnings .....	34,071	1,485	4,951	5,087	3,289	5,348	2,433	4,429	1,993	5,056	13.2
Windows that Open .....	28,937	1,918	5,787	5,388	2,729	4,108	2,112	2,617	1,242	3,034	14.2

See footnotes at end of table.

**Table A5. Census Region and Division, Floorspace, 1992 (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	1.5	1.1	0.8	1.2	0.9	1.1	1.3	1.3	0.9	
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	13,970	993	2,154	2,657	1,515	1,448	433	Q	710	2,197	18.9
Economizer Cycle .....	18,313	976	3,134	3,080	2,491	2,204	894	Q	1,197	2,256	16.9
HVAC Maintenance .....	49,173	2,811	7,823	7,809	4,928	7,614	3,290	5,601	2,725	6,572	10.6
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	15,241	852	2,985	2,266	1,751	2,328	1,023	898	613	2,525	16.8
Natural Lighting Control											
Sensors .....	3,072	218	409	795	Q	383	Q	Q	216	450	25.6
Occupancy Sensors .....	3,629	252	622	468	Q	305	Q	367	Q	905	23.3
Time Clock .....	12,104	848	1,836	1,752	640	1,782	368	Q	751	2,511	21.8
Manual Dimmer Switches .....	12,329	814	2,213	2,719	1,058	1,593	542	862	713	1,816	20.1
Other .....	2,596	188	428	375	Q	231	Q	163	379	456	26.7
<b>Energy Conservation Features (more than one may apply)</b>											
Any Conservation Features .....	64,403	3,211	9,680	10,368	6,251	10,152	4,804	7,703	3,560	8,674	10.8
Building Shell .....	62,056	3,171	9,441	10,138	5,892	9,648	4,597	7,513	3,428	8,227	11.0
HVAC .....	50,281	2,887	7,954	8,087	5,012	7,854	3,379	5,631	2,814	6,663	10.4
Lighting .....	29,453	1,709	5,018	5,076	2,714	3,840	1,579	2,888	1,878	4,750	14.8
Other .....	5,952	441	1,185	1,136	439	871	168	718	401	593	22.1
<b>Energy Management Practices (more than one may apply)</b>											
Energy Management and Control System .....	14,320	859	1,615	2,768	1,591	1,805	666	2,036	831	2,149	20.1
Demand-Side Management Participation .....	11,310	922	2,513	2,045	1,234	1,582	290	729	432	1,562	19.0
Energy Audit .....	14,779	1,041	3,095	2,530	1,413	1,671	763	1,376	537	2,353	14.3
Building Energy Manager .....	2,311	Q	210	340	Q	267	Q	499	Q	280	34.1
<b>Demand-Side Management Programs (more than one may apply)</b>											
Building Shell Program .....	1,079	Q	Q	341	Q	225	Q	Q	Q	153	34.3
HVAC Program .....	6,370	405	981	1,119	869	1,155	186	436	278	942	23.3
Lighting Program .....	8,805	832	2,182	1,721	899	1,056	158	527	315	1,116	22.3
Other DSM Programs .....	6,176	427	1,374	980	839	1,100	Q	456	Q	828	23.5

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.



**Table A6. Climate Zone, Number of Buildings and Floorspace, 1992**

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:	0.4	1.5	1.0	1.3	1.2	1.1	0.5	1.5	0.9	1.1	1.2	1.2	
<b>All Buildings</b> .....	4,806	399	1,134	1,077	1,101	1,095	67,876	5,623	18,024	16,162	15,251	12,816	10.3
<b>Building Floorspace (square feet)</b>													
1,001 to 5,000 .....	2,681	203	588	631	613	647	7,327	583	1,651	1,718	1,595	1,780	13.6
5,001 to 10,000 .....	975	93	250	191	227	213	7,199	703	1,827	1,406	1,659	1,604	12.1
10,001 to 25,000 .....	647	64	155	143	142	143	10,375	1,072	2,547	2,231	2,291	2,234	12.5
25,001 to 50,000 .....	280	20	77	59	69	56	10,069	695	2,816	2,128	2,456	1,974	13.9
50,001 to 100,000 .....	116	11	35	23	24	22	8,062	819	2,462	1,564	1,709	1,508	14.1
100,001 to 200,000 .....	71	3	20	20	20	8	9,678	479	2,615	2,772	2,714	1,098	19.1
200,001 to 500,000 .....	26	3	7	8	5	3	7,889	981	1,966	2,564	1,570	808	19.5
Over 500,000 .....	9	Q	2	2	2	Q	7,278	Q	2,140	1,779	1,258	Q	31.4
<b>Principal Building Activity</b>													
Education .....	301	9	50	51	105	86	8,470	592	2,614	2,079	1,849	1,336	15.6
Food Sales .....	130	Q	24	30	31	36	757	Q	183	171	150	177	28.1
Food Service .....	260	Q	71	60	58	51	1,491	Q	514	376	273	238	16.9
Health Care .....	63	Q	19	7	23	10	1,763	Q	531	267	614	198	25.9
Lodging .....	154	21	25	28	36	44	2,891	348	678	333	682	850	21.4
Mercantile and Service .....	1,272	104	343	319	259	246	12,402	1,201	3,491	3,166	2,301	2,244	14.5
Office .....	749	58	179	138	183	190	12,319	711	3,405	3,411	2,869	1,923	12.7
Parking Garage .....	24	Q	9	8	1	Q	1,652	Q	399	519	189	Q	41.8
Public Assembly .....	278	34	58	75	54	56	4,556	419	944	856	770	Q	20.9
Public Order and Safety .....	60	Q	16	17	Q	Q	820	Q	194	279	Q	Q	39.0
Religious Worship .....	366	19	59	117	93	78	3,747	Q	900	981	977	528	21.8
Warehouse and Storage .....	761	80	186	153	162	180	11,484	923	2,767	2,609	2,904	2,282	17.3
Other .....	69	Q	18	14	9	15	1,130	Q	316	234	206	253	33.4
Vacant .....	319	16	76	60	74	93	4,396	237	1,089	882	1,353	835	21.2
<b>Year Constructed</b>													
1899 or Before .....	169	19	88	43	Q	Q	1,721	223	835	524	Q	Q	24.1
1900 to 1919 .....	255	42	94	68	Q	39	3,608	480	1,411	1,021	Q	256	23.4
1920 to 1945 .....	724	60	232	158	145	129	8,712	694	3,063	2,304	1,625	1,027	16.5
1946 to 1959 .....	880	65	184	190	210	230	10,421	831	2,672	2,832	2,117	1,969	14.9
1960 to 1969 .....	783	57	159	177	219	170	12,612	842	2,815	3,363	2,990	2,602	14.5
1970 to 1979 .....	982	95	208	205	242	231	14,014	1,531	3,619	2,825	3,656	2,382	13.9
1980 to 1989 .....	884	57	136	197	230	263	14,287	922	2,926	2,725	3,634	4,080	15.2
1990 to 1992 .....	128	Q	32	38	34	21	2,502	Q	681	569	736	415	25.3
<b>Census Region</b>													
Northeast .....	771	Q	444	264	Q	Q	13,400	Q	6,924	5,634	Q	Q	14.2
Midwest .....	1,202	277	585	339	Q	Q	17,280	4,081	9,401	3,799	Q	Q	14.9
South .....	1,963	Q	Q	396	591	976	24,577	Q	Q	4,981	8,226	11,371	16.7
West .....	870	Q	104	78	510	119	12,619	Q	1,699	1,748	7,026	1,446	17.9
<b>Energy Sources (more than one may apply)</b>													
Electricity .....	4,616	382	1,089	1,039	1,058	1,048	66,549	5,476	17,730	15,965	14,878	12,501	10.2
Natural Gas .....	2,665	228	766	481	649	541	45,097	3,685	13,771	10,517	11,017	6,107	11.0
Fuel Oil .....	559	80	184	211	Q	32	13,218	1,551	4,208	4,009	2,191	1,259	18.2
District Heat .....	95	10	29	27	13	16	5,339	513	1,944	1,706	595	581	19.7
District Chilled Water .....	28	Q	5	4	10	9	2,066	Q	574	526	437	467	31.9
Propane .....	337	34	70	105	88	41	3,393	481	716	869	646	682	27.5
Any Other .....	163	Q	41	62	32	Q	1,551	Q	371	715	259	Q	28.6

See footnotes at end of table.

**Table A6. Climate Zone, Number of Buildings and Floorspace, 1992 (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:	0.4	1.5	1.0	1.3	1.2	1.1	0.5	1.5	0.9	1.1	1.2	1.2		
<b>Energy End Uses (more than one may apply)</b>														
Heated Buildings .....	4,178	344	1,018	959	955	903	61,996	5,218	17,196	14,966	13,537	11,079	10.5	
Air-Conditioned Buildings .....	3,502	229	766	753	838	915	57,041	4,267	14,977	13,549	12,870	11,379	10.4	
Buildings with Water Heating .....	3,502	298	892	815	770	726	58,479	4,956	16,377	14,359	12,791	9,996	10.3	
Buildings with Cooking .....	734	65	198	181	158	133	23,065	1,754	6,781	5,847	4,695	3,989	13.6	
Buildings with Manufacturing .....	121	19	36	23	20	23	3,174	315	1,254	490	468	647	23.1	
<b>Predominant Exterior Wall Material</b>														
Masonry .....	3,115	220	761	699	736	699	48,585	3,954	13,796	11,456	10,366	9,013	10.5	
Siding or Shingles .....	764	79	210	200	136	140	3,873	548	1,141	942	619	623	18.1	
Metal Panels .....	745	84	128	147	187	200	7,392	577	1,183	2,163	1,685	1,784	17.9	
Concrete Panels .....	87	Q	13	9	27	32	4,961	403	1,020	1,081	1,627	830	22.7	
Window Glass .....	46	Q	11	Q	10	13	2,028	Q	640	318	604	411	30.8	
Other .....	47	Q	10	13	Q	Q	1,037	Q	244	202	Q	Q	38.2	
<b>Predominant Roof Material</b>														
Built-Up .....	1,642	116	358	304	417	447	30,257	1,780	7,699	6,191	7,820	6,767	11.1	
Shingles (Not Wood) .....	1,381	110	370	383	276	242	10,570	1,042	3,341	2,723	2,072	1,392	15.0	
Metal Surfacing .....	1,037	94	178	224	257	285	9,019	832	1,343	1,831	2,384	2,628	17.1	
Synthetic or Rubber .....	386	40	163	90	57	36	11,702	1,340	4,131	4,012	1,479	739	15.6	
Slate or Tile .....	155	Q	36	28	49	34	1,998	Q	538	378	566	361	23.4	
Concrete .....	37	Q	5	6	6	17	2,544	Q	706	399	469	705	39.5	
Other .....	167	29	24	40	39	35	1,786	Q	265	627	462	225	25.2	
<b>Floors</b>														
One .....	3,007	195	519	599	810	884	25,424	1,504	4,664	4,264	7,086	7,907	13.6	
Two .....	1,154	126	332	310	215	170	18,025	1,888	5,118	4,644	3,800	2,575	12.2	
Three .....	446	54	203	109	52	27	9,877	1,023	3,800	2,260	1,942	851	15.4	
Four to Nine .....	186	23	76	54	20	13	10,377	1,070	3,276	3,552	1,383	1,096	19.2	
Ten or More .....	13	Q	3	5	4	Q	4,173	Q	1,166	1,443	1,040	387	25.9	
<b>Percent Window Glass</b>														
25 or Less .....	4,193	357	987	936	954	959	51,356	4,568	12,614	11,830	11,736	10,608	10.9	
26 to 50 .....	490	36	114	111	123	106	11,815	880	3,745	3,193	2,549	1,448	14.4	
51 to 75 .....	94	Q	27	27	18	16	3,206	Q	1,057	877	757	418	22.5	
76 to 100 .....	29	Q	5	3	5	14	1,499	Q	608	262	209	342	30.1	
<b>Workers (main shift)</b>														
Less than 5 .....	2,718	212	635	634	604	633	17,944	1,493	4,098	4,177	3,893	4,284	15.6	
5 to 9 .....	895	87	207	185	198	218	7,524	782	1,767	1,654	1,477	1,845	12.3	
10 to 19 .....	561	48	124	131	127	132	8,077	850	1,796	2,147	1,534	1,749	15.8	
20 to 49 .....	405	32	101	81	114	76	10,556	757	2,974	1,963	2,924	1,938	12.9	
50 to 99 .....	130	12	41	25	30	22	7,763	644	2,761	1,617	1,642	1,100	17.5	
100 to 249 .....	64	6	16	11	21	10	7,378	681	2,119	1,864	1,835	878	17.8	
250 or More .....	31	2	9	9	7	4	8,633	415	2,509	2,741	1,946	1,022	17.8	

See footnotes at end of table.

**Table A6. Climate Zone, Number of Buildings and Floorspace, 1992 (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 --						Fewer than 2,000 CDD and --					
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD	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 2,000 CDD and Fewer than 4,000 HDD	
RSE Column Factor:	0.4	1.5	1.0	1.3	1.2	1.1	0.5	1.5	0.9	1.1	1.2	1.2	
<b>Weekly Operating Hours</b>													
39 or Fewer .....	1,039	85	219	284	215	236	8,246	735	1,962	2,131	1,929	1,489	17.7
40 to 48 .....	1,278	91	297	244	319	327	14,998	979	3,868	3,045	3,879	3,226	13.0
49 to 60 .....	1,004	69	264	221	235	214	14,046	935	3,903	3,742	3,111	2,356	12.9
61 to 84 .....	645	68	162	146	139	128	12,062	984	3,858	2,594	2,545	2,081	12.4
85 to 167 .....	478	51	122	106	103	96	8,467	1,034	2,003	2,667	1,820	944	15.4
Open Continuously .....	362	34	70	75	89	94	10,057	956	2,429	1,983	1,968	2,721	18.1
<b>Percent Vacant for at Least Three Months</b>													
0-25 Percent .....	4,153	347	992	946	952	916	58,566	4,906	15,648	14,318	12,728	10,966	10.4
26-50 Percent .....	157	16	52	30	27	33	2,939	242	1,014	459	565	659	22.1
51-75 Percent .....	62	Q	13	14	12	18	1,140	Q	217	260	425	177	29.5
76-100 Percent .....	434	31	76	87	111	129	5,231	414	1,145	1,125	1,532	1,015	19.3
<b>Ownership and Occupancy</b>													
Nongovernment Owned .....	4,206	353	1,001	962	939	951	52,752	4,274	13,971	12,096	11,955	10,456	10.4
Owner Occupied .....	3,192	291	812	733	686	670	38,403	3,265	11,145	8,582	8,781	6,630	10.4
Nonowner Occupied .....	817	53	151	187	211	216	12,273	856	2,429	3,034	2,628	3,325	15.3
Unoccupied .....	197	Q	39	43	42	64	2,077	Q	397	481	546	501	22.5
Government Owned .....	599	46	133	114	162	144	15,124	1,349	4,053	4,066	3,296	2,360	15.8
<b>Number of Establishments</b>													
One .....	3,886	317	916	873	908	871	47,997	4,213	12,576	10,792	11,193	9,223	11.6
2 to 5 .....	517	52	141	119	101	104	7,882	541	2,104	2,268	1,588	1,381	15.1
6 to 10 .....	89	12	13	20	24	21	2,562	296	566	558	588	554	22.9
11 to 20 .....	49	Q	11	8	12	14	2,039	Q	684	361	326	562	30.5
More than 20 .....	36	Q	6	10	7	11	4,938	Q	1,620	1,525	962	521	30.3
Currently Unoccupied .....	229	Q	47	47	50	75	2,457	Q	474	658	594	575	23.4
<b>Percent of Floorspace Heated</b>													
Not Heated .....	653	59	125	122	152	196	6,211	453	905	1,376	1,725	1,751	18.4
1 to 50 .....	688	45	153	149	169	171	11,195	607	2,423	2,794	2,987	2,384	17.7
51 to 99 .....	618	55	159	122	130	153	10,211	810	2,786	2,132	2,395	2,088	14.8
100 .....	2,846	240	697	684	651	575	40,260	3,753	11,910	9,859	8,145	6,593	11.1
<b>Percent of Floorspace Cooled</b>													
Not Cooled .....	1,304	170	368	324	263	180	10,835	1,356	3,047	2,613	2,382	1,437	15.4
1 to 50 .....	1,176	95	304	279	231	266	21,715	1,969	6,800	5,670	4,008	3,268	12.8
51 to 99 .....	658	57	180	143	132	146	13,872	919	4,304	3,537	2,871	2,241	13.9
100 .....	1,668	77	282	332	475	503	21,454	1,379	3,872	4,342	5,991	5,870	12.8
<b>Percent Lit when Open</b>													
Not Lit .....	413	32	98	96	84	103	3,280	277	686	857	798	662	21.4
1 to 50 .....	881	82	241	203	154	201	9,980	935	2,646	2,618	2,074	1,707	14.4
51 to 99 .....	813	72	234	197	156	153	14,224	1,016	4,587	2,979	2,760	2,882	14.4
100 .....	2,699	212	561	582	706	638	40,393	3,395	10,105	9,708	9,620	7,565	10.8

See footnotes at end of table.

**Table A6. Climate Zone, Number of Buildings and Floorspace, 1992 (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 4,999 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	1.5	1.0	1.3	1.2	1.1	0.5	1.5	0.9	1.1	1.2	1.2		
<b>Heating Equipment (more than one may apply)</b>														
Heat Pumps .....	449	12	31	127	148	131	8,269	437	1,282	2,459	2,501	1,590	19.5	
Furnaces .....	1,692	162	525	459	294	251	16,909	1,920	5,075	4,763	3,217	1,935	13.7	
Individual Space Heaters .....	1,464	134	352	331	345	302	22,380	1,736	6,624	5,781	4,508	3,730	13.3	
District Heat .....	93	10	28	27	13	15	5,225	513	1,900	1,692	560	560	19.9	
Boilers .....	624	99	272	156	61	36	20,664	2,118	7,706	5,136	3,341	2,363	14.7	
Packaged Heating Units .....	870	31	125	97	297	319	16,000	609	3,756	2,987	4,836	3,812	13.7	
Other .....	42	Q	11	Q	Q	Q	903	Q	277	Q	Q	Q	36.1	
<b>Cooling Equipment (more than one may apply)</b>														
Residential-Type Central Air														
Conditioners .....	816	54	224	198	139	203	9,021	804	2,889	2,037	1,492	1,798	15.3	
Heat Pumps .....	454	12	36	129	149	128	8,406	487	1,393	2,425	2,565	1,536	19.0	
Individual Air														
Conditioners .....	1,023	93	279	257	166	228	17,979	1,572	5,670	5,140	2,446	3,151	16.2	
District Chilled Water .....	28	Q	5	4	10	9	2,066	Q	574	526	437	467	31.9	
Central Chillers .....	142	11	40	29	38	25	12,991	843	3,647	2,771	3,180	2,550	17.9	
Packaged Air-Conditioning														
Units .....	1,459	90	312	253	398	405	27,830	1,779	7,396	6,302	6,966	5,386	11.3	
Swamp Coolers .....	179	Q	33	Q	71	60	2,085	Q	477	Q	532	753	35.6	
Other .....	8	Q	Q	Q	Q	Q	268	Q	Q	Q	Q	Q	88.8	
<b>Lighting Equipment Types (more than one may apply)</b>														
Incandescent .....	2,509	246	634	602	511	516	39,221	3,400	11,517	10,349	7,835	6,120	10.8	
Standard Fluorescent .....	4,065	341	986	898	925	915	62,074	5,206	17,006	14,639	13,537	11,685	10.2	
Compact Fluorescent .....	206	23	68	41	39	35	8,336	888	2,743	2,282	1,476	946	16.6	
High-Intensity Discharge .....	354	32	104	64	61	93	17,570	1,807	5,961	4,329	2,975	2,498	13.8	
Other .....	78	Q	14	13	34	16	1,612	Q	387	413	449	329	30.7	
<b>Building Shell Conservation Features (more than one may apply)</b>														
Roof or Ceiling Insulation .....														
.....	3,343	308	790	780	735	730	50,311	4,409	13,460	12,134	11,195	9,113	11.2	
Wall Insulation .....														
.....	2,320	217	541	550	527	485	33,240	2,788	9,331	7,435	7,580	6,107	12.5	
Storm or Multiple Glazing .....														
.....	1,680	219	599	492	219	151	29,684	3,624	10,811	7,523	4,474	3,252	14.2	
Tinted, Reflective or Shading Glass .....														
.....	1,068	61	215	211	288	294	25,396	1,359	6,910	5,306	6,263	5,558	13.5	
Exterior or Interior Shading or Awnings .....														
.....	1,853	134	416	405	442	456	34,071	2,554	8,949	7,738	7,781	7,049	11.7	
Windows that Open .....														
.....	2,119	204	547	548	425	395	28,937	2,563	8,617	8,275	5,363	4,119	12.6	
<b>HVAC Conservation Features (more than one may apply)</b>														
Variable Air-Volume System .....														
.....	250	21	78	46	70	34	13,970	1,102	4,442	3,268	2,897	2,261	16.6	
Economizer Cycle .....														
.....	414	45	131	103	89	47	18,313	1,725	5,772	4,837	3,551	2,429	15.0	
HVAC Maintenance .....														
.....	2,503	210	641	552	571	528	49,173	3,977	13,951	11,867	10,861	8,517	10.9	

See footnotes at end of table.

**Table A6. Climate Zone, Number of Buildings and Floorspace, 1992 (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:	0.4	1.5	1.0	1.3	1.2	1.1	0.5	1.5	0.9	1.1	1.2	1.2		
<b>Lighting Conservation Features (more than one may apply)</b>														
Specular Reflectors .....	574	53	160	123	124	114	15,241	1,406	4,391	4,234	3,298	1,912	16.2	
Natural Lighting Control														
Sensors .....	74	Q	25	14	11	17	3,072	Q	1,148	897	411	357	24.3	
Occupancy Sensors .....	59	Q	17	9	21	7	3,629	Q	912	971	1,054	459	21.4	
Time Clock .....	339	27	96	72	82	63	12,104	748	3,271	2,508	3,097	2,480	17.8	
Manual Dimmer Switches .....	413	47	133	89	75	69	12,329	1,208	3,890	3,388	2,457	1,386	16.0	
Other .....	78	9	30	14	20	6	2,596	362	962	516	583	173	23.8	
<b>Energy Conservation Features (more than one may apply)</b>														
Any Conservation Features .....	4,357	363	1,042	1,010	963	978	64,403	5,349	17,513	15,589	14,151	11,801	10.5	
Building Shell .....	4,223	357	1,014	989	926	937	62,056	4,980	17,049	15,194	13,451	11,381	10.7	
HVAC .....	2,604	223	665	582	590	543	50,281	4,116	14,291	12,234	10,983	8,658	10.8	
Lighting .....	1,178	115	351	241	243	229	29,453	2,760	8,847	6,941	6,283	4,622	12.4	
Other .....	264	24	88	54	53	43	5,952	354	2,381	1,394	925	897	18.4	
<b>Energy Management Practices (more than one may apply)</b>														
Energy Management and Control														
System .....	236	20	73	47	64	31	14,320	1,095	4,675	2,850	2,980	2,720	15.7	
Demand-Side Management														
Participation .....	315	56	94	66	69	30	11,310	1,562	3,757	2,670	2,056	1,265	15.3	
Energy Audit .....	521	53	162	91	126	89	14,779	1,318	4,727	3,325	3,361	2,049	13.3	
Building Energy Manager .....	49	Q	10	5	15	13	2,311	Q	564	393	569	662	30.3	
<b>Demand-Side Management Programs (more than one may apply)</b>														
Building Shell Program .....	36	Q	12	9	8	Q	1,079	Q	431	248	226	Q	32.1	
HVAC Program .....	154	19	41	37	37	19	6,370	727	2,103	1,291	1,400	849	18.3	
Lighting Program .....	228	50	74	40	44	20	8,805	1,427	2,930	2,165	1,326	957	18.2	
Other DSM Programs .....	110	Q	26	25	22	16	6,176	900	1,557	1,726	1,156	838	20.1	

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

Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A7. Metropolitan Status, Number of Buildings Floorspace, 1992**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Non-metropolitan	All Buildings	Metropolitan	Non-metropolitan	
	0.7	0.8	1.5	0.8	0.8	1.9	
RSE Column Factor:							
<b>All Buildings</b> .....	4,806	3,085	1,721	67,876	52,691	15,185	4.9
<b>Building Floorspace (square feet)</b>							
1,001 to 5,000 .....	2,681	1,560	1,121	7,327	4,328	2,999	6.6
5,001 to 10,000 .....	975	654	321	7,199	4,885	2,314	4.9
10,001 to 25,000 .....	647	470	178	10,375	7,548	2,827	6.5
25,001 to 50,000 .....	280	213	68	10,069	7,657	2,412	9.0
50,001 to 100,000 .....	116	99	17	8,062	6,901	1,161	8.6
100,001 to 200,000 .....	71	58	12	9,678	7,981	1,696	12.9
200,001 to 500,000 .....	26	24	2	7,889	7,215	674	14.8
Over 500,000 .....	9	7	Q	7,278	6,175	Q	22.5
<b>Principal Building Activity</b>							
Education .....	301	215	85	8,470	6,578	1,892	9.6
Food Sales .....	130	88	42	757	554	203	18.8
Food Service .....	260	188	72	1,491	1,115	376	11.4
Health Care .....	63	51	12	1,763	1,340	422	18.7
Lodging .....	154	101	53	2,891	2,291	600	13.9
Mercantile and Service .....	1,272	806	466	12,402	9,656	2,746	8.1
Office .....	749	546	203	12,319	11,146	1,172	7.8
Parking Garage .....	24	16	Q	1,652	1,627	Q	33.4
Public Assembly .....	278	170	108	4,556	2,702	Q	12.7
Public Order and Safety .....	60	40	20	820	592	228	26.2
Religious Worship .....	366	173	193	3,747	2,391	1,356	13.5
Warehouse and Storage .....	761	463	299	11,484	8,456	3,028	10.1
Other .....	69	37	32	1,130	916	214	20.2
Vacant .....	319	190	129	4,396	3,327	1,069	12.0
<b>Year Constructed</b>							
1899 or Before .....	169	82	87	1,721	994	726	15.0
1900 to 1919 .....	255	138	117	3,608	2,545	1,063	15.4
1920 to 1945 .....	724	478	246	8,712	6,710	2,002	10.4
1946 to 1959 .....	880	593	287	10,421	7,836	2,585	9.0
1960 to 1969 .....	783	524	260	12,612	10,268	2,344	9.1
1970 to 1979 .....	982	618	364	14,014	11,128	2,886	7.1
1980 to 1989 .....	884	580	304	14,287	11,095	3,192	9.8
1990 to 1992 .....	128	73	55	2,502	2,115	387	15.8
<b>Census Region</b>							
Northeast .....	771	605	166	13,400	11,710	1,690	10.0
Midwest .....	1,202	647	555	17,280	12,654	4,626	8.7
South .....	1,963	1,146	817	24,577	17,159	7,419	8.0
West .....	870	687	183	12,619	11,168	1,451	12.8
<b>Energy Sources (more than one may apply)</b>							
Electricity .....	4,616	2,981	1,635	66,549	51,781	14,768	4.9
Natural Gas .....	2,665	1,819	846	45,097	36,933	8,164	6.1
Fuel Oil .....	559	341	217	13,218	11,012	2,206	10.8
District Heat .....	95	77	18	5,339	4,792	546	15.9
District Chilled Water .....	28	23	5	2,066	1,774	Q	23.4
Propane .....	337	151	186	3,393	2,112	1,281	15.6
Any Other .....	163	64	99	1,551	971	580	18.0
<b>Energy End Uses (more than one may apply)</b>							
Heated Buildings .....	4,178	2,719	1,459	61,996	48,889	13,107	5.0
Air-Conditioned Buildings .....	3,502	2,348	1,154	57,041	45,722	11,319	5.4
Buildings with Water Heating .....	3,502	2,374	1,128	58,479	46,707	11,772	5.3
Buildings with Cooking .....	734	493	241	23,065	18,382	4,683	8.6
Buildings with Manufacturing .....	121	92	29	3,174	2,792	382	17.9

See footnotes at end of table.

**Table A7. Metropolitan Status, Number of Buildings Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Non-metropolitan	All Buildings	Metropolitan	Non-metropolitan	
	0.7	0.8	1.5	0.8	0.8	1.9	
<b>Climate Zone: 45-Year Average</b>							
Fewer than 2,000 CDD and --							
More than 7,000 HDD .....	399	159	240	5,623	3,098	2,525	17.7
5,500-7,000 HDD .....	1,134	785	348	18,024	14,765	3,259	13.2
4,000-5,499 HDD .....	1,077	580	497	16,162	12,578	3,584	15.9
Fewer than 4,000 HDD .....	1,101	793	Q	15,251	12,585	Q	15.8
More than 2,000 CDD and --							
Fewer than 4,000 HDD .....	1,095	767	328	12,816	9,666	3,151	15.3
<b>Predominant Exterior Wall Material</b>							
Masonry .....	3,115	2,126	990	48,585	38,188	10,397	5.5
Siding or Shingles .....	764	425	339	3,873	2,342	1,531	8.5
Metal Panels .....	745	393	352	7,392	4,614	2,778	10.6
Concrete Panels .....	87	86	Q	4,961	4,843	Q	16.7
Window Glass .....	46	35	Q	2,028	1,877	Q	21.9
Other .....	47	20	Q	1,037	827	Q	28.6
<b>Predominant Roof Material</b>							
Built-Up .....	1,642	1,176	466	30,257	24,318	5,940	6.8
Shingles (Not Wood) .....	1,381	843	538	10,570	7,576	2,994	7.3
Metal Surfacing .....	1,037	530	507	9,019	5,318	3,701	8.8
Synthetic or Rubber .....	386	262	123	11,702	9,850	1,852	9.2
Slate or Tile .....	155	132	23	1,998	1,747	252	17.4
Concrete .....	37	35	Q	2,544	2,539	Q	30.4
Other .....	167	106	61	1,786	1,344	442	18.1
<b>Floors</b>							
One .....	3,007	1,875	1,132	25,424	17,637	7,788	7.4
Two .....	1,154	751	403	18,025	14,320	3,705	5.9
Three .....	446	305	141	9,877	7,949	1,928	9.1
Four to Nine .....	186	142	45	10,377	8,648	1,730	13.4
Ten or More .....	13	13	Q	4,173	4,138	Q	19.6
<b>Percent Window Glass</b>							
25 or Less .....	4,193	2,626	1,567	51,356	38,226	13,130	5.3
26 to 50 .....	490	357	133	11,815	10,039	1,776	7.6
51 to 75 .....	94	77	17	3,206	2,997	209	17.5
76 to 100 .....	29	25	Q	1,499	1,429	Q	24.3
<b>Building Shape</b>							
Square .....	280	216	65	3,654	3,172	482	10.2
Rectangle .....	3,659	2,311	1,349	39,233	30,086	9,147	5.1
Rectangle or Square with Courtyard .....	48	37	Q	1,372	1,244	Q	23.6
Right Angle .....	333	215	118	6,071	4,798	1,273	8.7
Other .....	485	306	179	17,547	13,392	4,155	10.2
<b>Workers (main shift)</b>							
Less than 5 .....	2,718	1,546	1,172	17,944	11,288	6,656	8.1
5 to 9 .....	895	616	280	7,524	5,160	2,365	6.7
10 to 19 .....	561	405	157	8,077	5,841	2,236	9.5
20 to 49 .....	405	318	86	10,556	8,641	1,916	8.2
50 to 99 .....	130	111	19	7,763	6,736	1,028	12.1
100 to 249 .....	64	60	5	7,378	6,908	469	13.2
250 or More .....	31	29	2	8,633	8,117	516	13.5
<b>Weekly Operating Hours</b>							
39 or Fewer .....	1,039	519	520	8,246	5,409	2,838	8.8
40 to 48 .....	1,278	833	445	14,998	11,050	3,948	7.0
49 to 60 .....	1,004	681	323	14,046	11,122	2,924	6.9
61 to 84 .....	645	465	179	12,062	10,525	1,537	7.4
85 to 167 .....	478	326	152	8,467	6,984	1,483	9.8
Open Continuously .....	362	260	102	10,057	7,601	2,456	12.8

See footnotes at end of table.

**Table A7. Metropolitan Status, Number of Buildings Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Non-metropolitan	All Buildings	Metropolitan	Non-metropolitan	
	0.7	0.8	1.5	0.8	0.8	1.9	
RSE Column Factor:							
<b>Additional Operating Hours for Equipment Use</b>							
Heating and/or Cooling .....	1,223	721	501	20,300	15,889	4,411	8.3
Lighting .....	633	418	216	12,886	10,722	2,165	9.9
Heating and/or Cooling and Lighting .....	371	251	120	8,717	7,401	1,316	13.7
No Additional Hours .....	3,320	2,197	1,124	43,407	33,482	9,925	6.8
<b>Percent Vacant for at Least Three Months</b>							
1-50 Percent .....	362	261	100	12,420	10,890	1,530	9.1
51-99 Percent .....	97	59	39	2,263	1,906	356	18.5
100 Percent .....	398	250	148	4,109	3,138	970	11.3
None .....	3,948	2,515	1,433	49,085	36,757	12,328	5.4
<b>Ownership and Occupancy</b>							
Nongovernment Owned .....	4,206	2,710	1,496	52,752	41,030	11,722	5.0
Owner Occupied .....	3,192	2,018	1,174	38,403	29,771	8,632	4.6
Nonowner Occupied .....	817	567	250	12,273	9,649	2,624	10.9
Unoccupied .....	197	125	72	2,077	1,610	467	14.5
Government Owned .....	599	374	225	15,124	11,661	3,463	9.1
<b>Number of Establishments</b>							
One .....	3,886	2,451	1,435	47,997	35,446	12,552	5.8
2 to 5 .....	517	356	161	7,882	6,671	1,210	8.3
6 to 10 .....	89	67	22	2,562	2,126	437	14.8
11 to 20 .....	49	40	Q	2,039	1,833	Q	21.3
More than 20 .....	36	27	Q	4,938	4,717	Q	21.0
Currently Unoccupied .....	229	144	84	2,457	1,899	559	14.7
<b>Energy-Related Space Functions (more than one may apply)</b>							
Commercial Food Preparation .....	735	493	242	22,166	18,379	3,788	7.8
Computer Room .....	223	176	47	14,199	12,738	1,461	10.9
Rooms with Special Ventilation .....	236	162	74	8,042	6,569	1,473	10.2
Activity with Large Amounts of Hot Water .....	203	151	53	6,862	5,900	962	10.4
<b>Multibuilding Facility</b>							
Part of Multibuilding Facility .....	1,667	1,093	574	31,564	24,643	6,921	7.6
with Central Physical Plant .....	223	163	60	8,395	7,175	1,220	13.9
No Central Physical Plant .....	1,444	930	514	23,170	17,468	5,702	8.2
Not on Multibuilding Facility .....	3,139	1,992	1,147	36,312	28,048	8,264	4.8
<b>Percent of Floorspace Heated</b>							
Not Heated .....	653	387	266	6,211	4,097	2,114	11.6
1 to 50 .....	688	431	257	11,195	9,087	2,108	8.8
51 to 99 .....	618	400	218	10,211	8,290	1,920	8.3
100 .....	2,846	1,867	980	40,260	31,217	9,043	5.6
<b>Percent of Floorspace Cooled</b>							
Not Cooled .....	1,304	737	567	10,835	6,969	3,866	8.2
1 to 50 .....	1,176	773	403	21,715	17,363	4,352	6.4
51 to 99 .....	658	453	205	13,872	11,888	1,984	8.3
100 .....	1,668	1,122	546	21,454	16,471	4,983	7.7
<b>Percent Lit when Open</b>							
Not Lit .....	413	222	191	3,280	2,332	947	12.6
1 to 50 .....	881	522	359	9,980	6,707	3,273	8.1
51 to 99 .....	813	544	269	14,224	10,559	3,664	8.8
100 .....	2,699	1,797	902	40,393	33,093	7,300	5.8

See footnotes at end of table.



**Table A7. Metropolitan Status, Number of Buildings Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Non-metropolitan	All Buildings	Metropolitan	Non-metropolitan	
	0.7	0.8	1.5	0.8	0.8	1.9	
<b>Heating Equipment (more than one may apply)</b>							
Heat Pumps .....	449	306	143	8,269	6,622	1,647	10.4
Furnaces .....	1,692	1,030	662	16,909	12,739	4,170	6.5
Individual Space Heaters .....	1,464	843	622	22,380	17,795	4,584	6.6
District Heat .....	93	76	18	5,225	4,699	525	16.3
Boilers .....	624	449	175	20,664	16,091	4,573	8.3
Packaged Heating Units .....	870	672	198	16,000	14,096	1,903	10.4
Other .....	42	31	Q	903	823	Q	26.8
<b>Heating Distribution Equipment (more than one may apply)</b>							
Radiators or Baseboards .....	473	331	142	13,263	10,461	2,802	8.2
Ducts for Heating .....	2,955	2,008	947	45,422	36,572	8,851	5.3
Heating Only .....	577	377	200	5,950	4,811	1,139	10.1
Heating and Cooling .....	2,378	1,631	747	39,472	31,760	7,712	5.7
Variable Air-Volume System .....	210	164	46	11,528	9,287	2,240	13.1
Fan Coil Units for Heating .....	99	58	40	5,474	4,462	1,013	13.0
Heating Only .....	78	42	36	3,569	2,845	724	15.9
Heating and Cooling .....	21	17	4	1,906	1,617	289	22.1
Individual Space Heaters .....	1,464	843	622	22,380	17,795	4,584	6.6
Other .....	181	104	77	3,310	2,527	783	15.1
<b>Cooling Equipment (more than one may apply)</b>							
Residential-Type Central Air Conditioners .....	816	485	331	9,021	6,565	2,456	9.1
Heat Pumps .....	454	306	147	8,406	6,641	1,765	10.1
Individual Air Conditioners .....	1,023	656	367	17,979	13,511	4,468	8.9
District Chilled Water .....	28	23	5	2,066	1,774	Q	23.4
Central Chillers .....	142	116	26	12,991	10,886	Q	12.4
Packaged Air-Conditioning Units .....	1,459	1,078	381	27,830	24,003	3,827	7.2
Swamp Coolers .....	179	131	Q	2,085	1,781	Q	25.7
Other .....	8	Q	Q	268	Q	Q	54.0
<b>Cooling Distribution Equipment (more than one may apply)</b>							
Ducts for Cooling .....	2,733	1,869	864	47,755	38,663	9,092	5.7
Cooling Only .....	355	238	117	8,283	6,902	1,381	10.3
Heating and Cooling .....	2,378	1,631	747	39,472	31,760	7,712	5.7
Variable Air-Volume System .....	221	179	42	12,430	10,197	2,233	12.7
Fan Coil Units for Cooling .....	56	44	12	3,875	3,414	Q	20.0
Cooling Only .....	35	28	Q	1,969	1,797	Q	28.2
Heating and Cooling .....	21	17	4	1,906	1,617	289	22.1
Individual Air Conditioners .....	1,023	656	367	17,979	13,511	4,468	8.9
Other .....	111	80	31	2,919	2,390	529	21.2
<b>Lighting Equipment Types (more than one may apply)</b>							
Incandescent .....	2,509	1,582	927	39,221	30,999	8,221	5.6
Standard Fluorescent .....	4,065	2,688	1,377	62,074	49,246	12,827	4.9
Compact Fluorescent .....	206	155	51	8,336	7,626	710	12.0
High Intensity Discharge .....	354	259	95	17,570	15,147	2,422	8.6
Other .....	78	62	Q	1,612	1,404	Q	23.1

See footnotes at end of table.

**Table A7. Metropolitan Status, Number of Buildings Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Non-metropolitan	All Buildings	Metropolitan	Non-metropolitan	
	0.7	0.8	1.5	0.8	0.8	1.9	
RSE Column Factor:							
<b>Personal Computers and/or Computer Terminals</b>							
1 to 4 .....	1,269	843	426	13,355	9,512	3,843	5.7
5 to 9 .....	336	264	73	5,970	5,271	699	8.6
10 to 19 .....	216	166	50	6,236	5,383	854	12.0
20 to 49 .....	164	132	32	7,439	6,335	1,104	12.4
50 to 99 .....	59	51	8	4,908	4,319	589	12.5
100 to 249 .....	34	31	2	4,220	3,791	429	15.7
250 or More .....	19	17	Q	5,569	5,322	Q	17.9
<b>Building Shell Conservation Features (more than one may apply)</b>							
Roof or Ceiling Insulation .....	3,343	2,133	1,211	50,311	38,909	11,402	5.3
Wall Insulation .....	2,320	1,434	886	33,240	25,260	7,980	6.2
Storm or Multiple Glazing .....	1,680	1,009	671	29,684	22,088	7,596	7.3
Tinted, Reflective or Shading Glass .....	1,068	766	302	25,396	21,097	4,300	8.7
Exterior or Interior Shading or Awnings .....	1,853	1,275	578	34,071	27,056	7,016	6.7
Windows that Open .....	2,119	1,288	831	28,937	21,326	7,611	6.4
<b>HVAC Conservation Features (more than one may apply)</b>							
Variable Air-Volume System .....	250	200	50	13,970	11,618	2,352	12.1
Economizer Cycle .....	414	297	117	18,313	15,338	2,975	10.9
HVAC Maintenance .....	2,503	1,810	693	49,173	40,338	8,835	5.8
<b>Lighting Conservation Features (more than one may apply)</b>							
Specular Reflectors .....	574	434	140	15,241	13,063	2,178	10.3
Natural Lighting-Control Sensors .....	74	61	Q	3,072	2,893	Q	15.7
Occupancy Sensors .....	59	55	Q	3,629	3,532	Q	13.2
Time Clock .....	339	268	70	12,104	10,086	Q	12.1
Manual Dimmer Switches .....	413	298	115	12,329	10,749	1,580	9.7
Other .....	78	60	18	2,596	2,235	361	17.4
<b>Energy Conservation Features (more than one may apply)</b>							
Any Conservation Features .....	4,357	2,839	1,518	64,403	50,638	13,765	5.2
Building Shell .....	4,223	2,723	1,500	62,056	48,436	13,620	5.3
HVAC .....	2,604	1,869	734	50,281	41,101	9,179	5.6
Lighting .....	1,178	876	302	29,453	24,591	4,862	8.1
Other .....	264	188	76	5,952	4,713	1,239	11.3
<b>Energy Management Practices (more than one may apply)</b>							
Energy Management and Control System .....	236	188	48	14,320	12,085	2,235	12.0
Demand-Side Management Participation .....	315	220	95	11,310	9,665	1,645	10.0
Energy Audit .....	521	376	146	14,779	12,870	1,909	8.2
HVAC Maintenance .....	2,503	1,810	693	49,173	40,338	8,835	5.8
Building Energy Manager .....	49	38	Q	2,311	2,140	Q	20.5

See footnotes at end of table.

**Table A7. Metropolitan Status, Number of Buildings Floorspace, 1992 (Continued)**

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Metropolitan	Non-metropolitan	All Buildings	Metropolitan	Non-metropolitan	
	0.7	0.8	1.5	0.8	0.8	1.9	
<b>Demand-Side Management Programs (more than one may apply)</b>							
Building Shell Program .....	36	25	Q	1,079	943	Q	22.4
HVAC Program .....	154	99	54	6,370	5,280	1,090	11.5
Lighting Program .....	228	163	64	8,805	7,621	1,184	12.4
Other DSM Programs .....	110	75	35	6,176	5,447	729	15.3

Q = Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.  
 Notes: • To obtain a 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, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.