

Table 1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1995

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week	RSE Row Factor
RSE Column Factor:	1.3	1.0	1.4	1.0	1.0	0.5	
All Buildings	4,579	58,772	76,767	12.8	766	62	3.2
Building Floorspace (Square Feet)							
1,001 to 5,000	2,399	6,338	10,585	2.6	599	59	4.7
5,001 to 10,000	1,035	7,530	7,584	7.3	993	58	5.4
10,001 to 25,000	745	11,617	12,961	15.6	896	67	6.3
25,001 to 50,000	213	7,676	10,206	36.1	752	72	4.0
50,001 to 100,000	115	7,968	9,733	69.3	819	80	4.4
100,001 to 200,000	48	6,776	8,493	140.9	798	87	5.0
200,001 to 500,000	19	5,553	7,599	294.9	731	102	5.2
Over 500,000	6	5,313	9,604	896.4	553	108	7.7
Principal Building Activity							
Education	309	7,740	10,096	25.1	767	51	7.1
Food Sales	137	642	652	4.7	984	112	10.7
Food Service	285	1,353	2,342	4.8	578	85	9.2
Health Care	105	2,333	4,483	22.2	520	79	9.7
Lodging	158	3,618	2,748	22.8	1,317	156	8.3
Mercantile and Service	1,289	12,728	13,464	9.9	945	61	5.9
Office	705	10,478	27,053	14.9	387	52	5.8
Public Assembly	326	3,948	2,997	12.1	1,317	53	10.1
Public Order and Safety	87	1,271	1,703	14.6	746	72	22.4
Religious Worship	269	2,792	3,844	10.4	Q	41	15.1
Warehouse and Storage	580	8,481	4,904	14.6	1,730	59	10.6
Other	67	1,004	1,844	14.9	544	79	23.4
Vacant	261	2,384	638	9.1	3,735	19	19.4
Year Constructed							
1919 or Before	353	3,673	3,658	10.4	1,004	56	10.1
1920 to 1945	562	6,710	7,352	11.9	913	55	9.7
1946 to 1959	867	9,298	10,220	10.7	910	54	7.0
1960 to 1969	718	10,858	14,389	15.1	755	62	6.6
1970 to 1979	813	11,333	15,039	13.9	754	68	5.7
1980 to 1989	846	12,252	20,200	14.5	607	67	7.0
1990 to 1992	218	2,590	3,900	11.9	664	61	10.9
1993 to 1995	202	2,059	2,008	10.2	1,025	71	13.2
Floors							
One	3,018	24,552	25,372	8.1	968	59	4.3
Two	1,002	14,122	17,979	14.1	785	66	6.5
Three	399	7,335	8,464	18.4	867	62	8.5
Four to Nine	148	8,789	14,576	59.4	603	84	8.3
Ten or More	12	3,975	10,376	328.9	383	96	9.3
Census Region							
Northeast	725	11,883	15,149	16.4	784	67	7.3
Midwest	1,139	14,322	16,976	12.6	844	59	6.6
South	1,750	20,830	26,500	11.9	786	60	5.3
West	964	11,736	18,142	12.2	647	63	7.0
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	493	5,098	5,965	10.3	855	60	11.7
5,500 to 7,000 HDD	975	14,597	16,896	15.0	864	64	6.4
4,000 to 5,499 HDD	1,070	15,155	21,064	14.2	719	64	8.9
Fewer than 4,000 HDD	1,103	13,491	20,560	12.2	656	61	9.5
More than 2,000 CDD and --							
Fewer than 4,000 HDD	937	10,430	12,281	11.1	849	59	7.1

See footnotes at end of table.

Table 1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1995 (Continued)

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week	RSE Row Factor
RSE Column Factor:	1.3	1.0	1.4	1.0	1.0	0.5	
Workers (main shift)							
Fewer than 5	2,505	13,885	4,641	5.5	2,992	58	4.9
5 to 9	798	6,291	5,157	7.9	1,220	61	5.9
10 to 19	625	7,102	7,827	11.4	907	63	6.4
20 to 49	400	9,132	11,533	22.8	792	72	5.9
50 to 99	138	6,931	8,924	50.3	777	72	7.0
100 to 249	71	5,988	9,843	84.4	608	85	6.0
250 or More	43	9,443	28,841	220.1	327	84	10.5
Weekly Operating Hours							
39 or Fewer	899	6,134	5,765	6.8	1,064	14	12.6
40 to 48	1,257	13,233	16,554	10.5	799	43	3.9
49 to 60	969	12,242	17,759	12.6	689	54	3.8
61 to 84	567	10,052	13,214	17.7	761	72	4.9
85 to 167	420	6,202	6,960	14.8	891	105	5.5
Open Continuously	466	10,908	16,514	23.4	661	168	2.0
Ownership and Occupancy							
Nongovernment Owned	4,025	46,696	60,482	11.6	772	62	3.6
Owner Occupied	3,158	35,573	46,882	11.3	759	63	4.0
Nonowner Occupied	698	9,697	13,379	13.9	725	65	6.7
Unoccupied	170	1,426	Q	8.4	6,481	Q	22.5
Government Owned	553	12,076	16,285	21.8	742	61	6.6
Predominant Exterior Wall Material							
Masonry	3,061	42,958	54,292	14.0	791	63	3.8
Siding or Shingles	639	3,243	3,840	5.1	844	58	9.9
Metal Panels	662	5,694	5,120	8.6	1,112	56	8.9
Concrete Panels	106	4,069	6,394	38.2	636	64	11.5
Window Glass	46	1,755	4,397	38.1	399	90	15.4
Other	50	660	2,107	13.2	313	90	24.6
No One Major Type	15	393	616	26.9	638	69	27.4
Predominant Roof Material							
Built-Up	1,369	24,481	33,783	17.9	725	65	4.9
Shingles (Not Wood)	1,486	11,093	13,722	7.5	808	61	7.3
Metal Surfacing	908	7,941	6,514	8.7	1,219	57	7.1
Synthetic or Rubber	351	10,235	16,788	29.1	610	68	7.2
Slate or Tile	202	1,920	2,121	9.5	905	63	11.6
Wooden Materials	152	1,130	1,087	7.5	1,039	60	18.8
Concrete	58	1,335	1,694	23.1	788	50	20.3
Other	36	332	508	9.2	655	35	30.4
No One Major Type	Q	305	549	18.6	Q	47	28.4
Energy Sources (more than one may apply)							
Electricity	4,343	57,076	76,513	13.1	746	63	3.1
Natural Gas	2,478	38,145	50,217	15.4	760	64	3.7
Fuel Oil	607	14,421	22,976	23.7	628	64	7.5
District Heat	110	5,658	10,413	51.5	543	91	11.2
District Chilled Water	53	2,521	4,441	47.7	568	88	12.9
Propane	589	5,344	7,709	9.1	693	66	12.5
Wood	126	699	547	5.6	1,278	53	18.9
Coal	Q	397	199	22.9	1,997	61	33.8
Solar	Q	Q	Q	Q	Q	Q	Q
Other	71	1,154	1,723	16.2	670	72	16.4

See footnotes at end of table.

Table 1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1995 (Continued)

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week	RSE Row Factor
RSE Column Factor:	1.3	1.0	1.4	1.0	1.0	0.5	
Space-Heating Energy Sources (more than one may apply)							
Electricity	1,467	22,156	34,032	15.1	651	66	5.7
Natural Gas	2,211	31,535	40,247	14.3	784	61	4.1
Fuel Oil	504	6,606	8,211	13.1	804	61	9.6
District Heat	109	5,606	10,374	51.4	540	91	11.2
Propane	301	2,025	3,898	6.7	Q	64	16.3
Wood	103	509	401	5.0	1,271	53	21.2
Coal	Q	Q	Q	Q	Q	Q	Q
Solar	Q	Q	Q	Q	Q	Q	Q
Other	25	318	432	12.9	735	57	20.5
Primary Space-Heating Energy Source							
Electricity	1,007	13,500	20,602	13.4	655	68	5.9
Natural Gas	2,106	28,808	36,411	13.7	791	61	4.1
Fuel Oil	439	4,207	4,056	9.6	1,037	59	10.0
District Heat	107	5,289	9,872	49.3	536	91	11.4
Propane	260	1,545	Q	5.9	Q	62	15.0
Wood	Q	Q	Q	Q	Q	Q	Q
Coal	Q	Q	Q	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q	Q	Q
Cooling Energy Sources (more than one may apply)							
Electricity	3,293	47,761	67,723	14.5	705	65	3.3
Natural Gas	65	1,314	2,061	20.1	638	67	15.0
District Chilled Water	53	2,521	4,441	47.7	568	88	12.9
Water-Heating Energy Sources (more than one may apply)							
Electricity	1,684	23,056	33,835	13.7	681	63	5.4
Natural Gas	1,577	24,859	32,519	15.8	764	68	4.8
Fuel Oil	120	2,151	2,309	17.9	931	59	17.5
District Heat	54	3,949	7,144	73.7	553	97	12.3
Propane	110	1,020	1,165	9.2	875	94	17.8
Cooking Energy Sources (more than one may apply)							
Electricity	487	12,249	18,935	25.2	647	82	6.5
Natural Gas	448	13,195	20,062	29.4	658	81	6.2
Propane	123	1,480	1,813	12.0	816	84	16.0
Energy End Uses (more than one may apply)							
Buildings with Space Heating	4,024	54,347	74,918	13.5	725	63	3.2
Buildings with Cooling	3,381	49,935	71,146	14.8	702	66	3.3
Buildings with Water Heating	3,486	51,560	72,679	14.8	709	66	3.4
Buildings with Cooking	828	20,713	31,865	25.0	650	79	4.6
Buildings with Manufacturing	204	3,893	4,949	19.1	787	53	12.4
Buildings with Electricity Generation	247	13,366	22,855	54.2	585	90	8.1

See footnotes at end of table.

Table 1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1995 (Continued)

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week	RSE Row Factor
RSE Column Factor:	1.3	1.0	1.4	1.0	1.0	0.5	
Percent of Floorspace Heated							
Not Heated	554	4,425	1,849	8.0	2,394	51	14.3
1 to 50	555	6,227	4,248	11.2	1,466	49	9.8
51 to 99	633	8,868	11,519	14.0	770	69	6.8
100	2,836	39,252	59,151	13.8	664	64	3.7
Percent of Floorspace Cooled							
Not Cooled	1,198	8,837	5,620	7.4	1,572	49	8.8
1 to 50	930	15,027	12,404	16.2	1,211	57	6.1
51 to 99	635	12,549	19,278	19.8	651	73	6.3
100	1,816	22,359	39,464	12.3	567	68	4.8
Percent Lit when Open							
Zero	36	189	Q	5.2	Q	57	26.4
1 to 50	666	6,008	2,670	9.0	2,250	62	6.8
51 to 99	745	9,692	12,055	13.0	804	61	6.7
100	2,814	40,514	61,743	14.4	656	65	3.8
Building Not in Use/ Electricity Not Used	318	2,369	253	7.5	9,344	33	21.0
Percent Lit when Closed							
Zero	1,644	13,101	12,689	8.0	1,033	42	6.0
1 to 50	2,109	30,711	44,878	14.6	684	59	4.1
51 to 100	87	1,914	2,574	22.0	744	74	14.2
Never Closed	421	10,677	16,372	25.4	652	168	*
Building Not in Use/ Electricity Not Used	318	2,369	253	7.5	9,344	33	21.0
Heating Equipment (more than one may apply)							
Heat Pumps	394	5,843	9,153	14.8	638	63	7.5
Furnaces	1,676	14,923	17,488	8.9	853	60	6.2
Individual Space Heaters	1,188	16,809	21,127	14.1	796	57	6.5
District Heat	115	5,911	10,690	51.5	553	91	11.0
Boilers	610	16,754	24,573	27.5	682	73	6.6
Packaged Heating Units	1,031	16,893	23,460	16.4	720	68	5.1
Other	161	6,249	11,092	38.8	563	61	10.8
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	878	9,238	13,813	10.5	669	65	7.7
Heat Pumps	457	6,931	10,724	15.2	646	65	7.3
Individual Air Conditioners	862	12,494	14,184	14.5	881	68	6.3
District Chilled Water	53	2,521	4,441	47.7	568	88	12.9
Central Chillers	109	11,065	21,055	101.4	526	87	7.6
Packaged Air Conditioning Units	1,431	26,628	38,210	18.6	697	69	4.2
Swamp Coolers	186	2,451	2,800	13.2	876	66	13.6
Other	18	949	1,579	51.9	601	74	15.1
Lighting Equipment Types (more than one may apply)							
Incandescent	2,479	35,715	49,241	14.4	725	65	4.0
Standard Fluorescent	3,885	53,984	74,912	13.9	721	65	3.1
Compact Fluorescent	364	14,273	25,623	39.2	557	85	6.4
High-Intensity Discharge	393	16,259	21,898	41.4	742	72	6.6
Halogen	302	9,665	16,479	32.0	587	78	9.8
Other	30	554	1,211	18.7	458	44	34.1

See footnotes at end of table.

Table 1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1995 (Continued)

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week	RSE Row Factor
RSE Column Factor:	1.3	1.0	1.4	1.0	1.0	0.5	
Water-Heating Equipment (more than one may apply)							
Centralized System	2,671	31,656	42,093	11.9	752	65	3.8
Distributed System	742	16,495	25,678	22.2	642	71	6.4
Combination of Centralized and Distributed System	73	3,409	4,909	46.4	694	73	12.8
Personal Computers and/or Computer Terminals							
None	2,039	12,571	8,017	6.2	1,568	54	6.3
1 to 4	1,408	11,401	11,593	8.1	983	68	7.4
5 to 9	437	5,372	6,528	12.3	823	66	7.4
10 to 19	344	5,947	7,456	17.3	798	61	8.5
20 to 49	198	7,048	8,647	35.6	815	69	7.5
50 to 99	81	4,938	7,442	61.2	663	71	8.3
100 to 249	46	5,189	8,426	112.9	616	84	7.4
250 or More	26	6,307	18,657	240.9	338	92	6.7
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	828	20,713	31,865	25.0	650	79	4.6
Computer Room	234	12,890	25,663	55.0	502	72	5.9
Activities with Large Amounts of Hot Water	243	6,753	9,804	27.8	689	99	12.2
Building Shell Conservation Features (more than one may apply)							
Roof or Ceiling Insulation	3,380	46,355	65,811	13.7	704	64	3.6
Wall Insulation	2,372	31,694	48,470	13.4	654	62	4.1
Storm or Multiple Glazing	1,897	28,876	42,927	15.2	673	66	4.6
Tinted, Reflective or Shading Glass	1,202	24,245	41,824	20.2	580	66	5.1
Exterior or Interior Shading or Awnings	2,271	37,208	55,742	16.4	668	65	3.7
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	327	13,473	24,381	41.2	553	76	6.7
Economizer Cycle	461	16,550	28,903	35.9	573	75	5.7
HVAC Maintenance	2,403	43,134	64,503	18.0	669	68	3.8
Other Energy Efficient Equipment	198	6,453	11,369	32.5	568	66	10.2
Lighting Conservation Features (more than one may apply)							
Specular Reflectors	749	17,868	28,063	23.9	637	69	5.9
Energy-Efficient Ballasts	1,363	28,375	46,204	20.8	614	67	5.1
Natural Lighting Control							
Sensors	237	6,431	10,339	27.2	622	83	10.2
Occupancy Sensors	131	5,958	11,564	45.6	515	66	11.1
Time Clock	467	13,262	22,355	28.4	593	73	6.5
Manual Dimmer Switches	501	13,056	19,931	26.1	655	69	6.0
Other	79	2,836	4,501	35.8	630	71	13.2

See footnotes at end of table.

Table 1. Summary Table: Totals and Means of Floorspace, Number of Workers, and Hours of Operation, 1995 (Continued)

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week	RSE Row Factor
RSE Column Factor:	1.3	1.0	1.4	1.0	1.0	0.5	
Energy Conservation Features (more than one may apply)							
Any Conservation Features	4,075	55,288	75,532	13.6	732	63	3.2
Building Shell	3,906	53,190	74,162	13.6	717	63	3.3
HVAC	2,529	44,657	65,999	17.7	677	68	3.7
Lighting	2,084	38,537	58,423	18.5	660	67	4.2
Off-Hour Equipment Reduction (more than one may apply)							
Heating	3,211	38,326	51,920	11.9	738	52	3.5
Cooling	2,707	35,605	50,080	13.2	711	54	3.5
Lighting	3,753	44,937	59,715	12.0	753	52	3.4

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 2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1995

Building Characteristics RSE Column Factor:	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings	4,579	58,772	76,767	5.0	938	50	30.5
Building Floorspace (Square Feet)							
1,001 to 5,000	2,399	6,338	10,585	2.5	750	48	30.5
5,001 to 10,000	1,035	7,530	7,584	7.0	1,250	50	35.5
10,001 to 25,000	745	11,617	12,961	15.0	1,667	53	27.5
25,001 to 50,000	213	7,676	10,206	35.0	1,125	56	26.5
50,001 to 100,000	115	7,968	9,733	65.0	1,316	60	25.5
100,001 to 200,000	48	6,776	8,493	140.0	1,500	75	26.5
200,001 to 500,000	19	5,553	7,599	275.0	1,190	80	25.5
Over 500,000	6	5,313	9,604	700.0	813	84	24.5
Principal Building Activity							
Education	309	7,740	10,096	8.5	1,000	45	33.5
Food Sales	137	642	652	2.5	1,001	99	25.5
Food Service	285	1,353	2,342	3.0	667	81	22.5
Health Care	105	2,333	4,483	4.5	650	52	23.5
Lodging	158	3,618	2,748	9.0	2,267	168	30.5
Mercantile and Service	1,289	12,728	13,464	4.0	1,083	52	35.5
Office	705	10,478	27,053	4.0	464	45	23.5
Public Assembly	326	3,948	2,997	6.0	1,500	50	31.5
Public Order and Safety	87	1,271	1,703	5.0	875	20	32.5
Religious Worship	269	2,792	3,844	8.0	3,125	20	31.5
Warehouse and Storage	580	8,481	4,904	5.5	2,000	48	18.5
Other	67	1,004	1,844	5.0	1,000	50	26.5
Vacant	261	2,384	638	4.0	1,000	0	39.5
Year Constructed							
1919 or Before	353	3,673	3,658	5.5	1,250	48	93.5
1920 to 1945	562	6,710	7,352	4.8	1,000	48	62.5
1946 to 1959	867	9,298	10,220	4.3	1,000	48	42.5
1960 to 1969	718	10,858	14,389	5.5	893	50	31.5
1970 to 1979	813	11,333	15,039	5.0	875	51	20.5
1980 to 1989	846	12,252	20,200	5.0	882	50	10.5
1990 to 1992	218	2,590	3,900	3.5	667	50	4.5
1993 to 1995	202	2,059	2,008	3.5	1,250	50	1.5
Floors							
One	3,018	24,552	25,372	3.8	929	48	25.5
Two	1,002	14,122	17,979	7.0	882	50	35.5
Three	399	7,335	8,464	9.5	1,250	52	57.5
Four to Nine	148	8,789	14,576	25.0	1,000	60	42.5
Ten or More	12	3,975	10,376	200.0	429	68	28.5
Census Region							
Northeast	725	11,883	15,149	5.0	1,000	52	38.5
Midwest	1,139	14,322	16,976	4.5	1,250	48	36.5
South	1,750	20,830	26,500	4.8	893	50	23.5
West	964	11,736	18,142	5.5	833	50	28.5
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	493	5,098	5,965	4.0	938	50	29.5
5,500 to 7,000 HDD	975	14,597	16,896	5.0	1,100	50	39.5
4,000 to 5,499 HDD	1,070	15,155	21,064	5.5	1,000	50	32.5
Fewer than 4,000 HDD	1,103	13,491	20,560	5.0	800	50	25.5
More than 2,000 CDD and --							
Fewer than 4,000 HDD	937	10,430	12,281	4.8	950	48	25.5

See footnotes at end of table.

Table 2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1995 (Continued)

Building Characteristics RSE Column Factor:	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
Workers (main shift)							
Fewer than 5	2,505	13,885	4,641	3.0	1,583	48	31.5
5 to 9	798	6,291	5,157	4.8	688	50	35.5
10 to 19	625	7,102	7,827	7.5	600	50	25.5
20 to 49	400	9,132	11,533	16.3	542	56	26.5
50 to 99	138	6,931	8,924	37.5	563	55	24.5
100 to 249	71	5,988	9,843	55.0	400	65	23.5
250 or More	43	9,443	28,841	120.0	283	63	19.5
Weekly Operating Hours							
39 or Fewer	899	6,134	5,765	4.0	1,500	8	32.5
40 to 48	1,257	13,233	16,554	4.8	833	44	32.5
49 to 60	969	12,242	17,759	5.5	833	53	29.5
61 to 84	567	10,052	13,214	6.0	1,000	72	31.5
85 to 167	420	6,202	6,960	4.3	833	102	24.5
Open Continuously	466	10,908	16,514	6.0	1,250	168	23.5
Ownership and Occupancy							
Nongovernment Owned	4,025	46,696	60,482	4.8	938	50	29.5
Owner Occupied	3,158	35,573	46,882	4.5	1,000	50	29.5
Nonowner Occupied	698	9,697	13,379	5.5	833	53	25.5
Unoccupied	170	1,426	Q	3.8	750	0	39.5
Government Owned	553	12,076	16,285	7.0	950	45	35.5
Predominant Exterior Wall Material							
Masonry	3,061	42,958	54,292	5.5	875	50	34.5
Siding or Shingles	639	3,243	3,840	2.8	800	49	32.5
Metal Panels	662	5,694	5,120	4.5	1,364	47	15.5
Concrete Panels	106	4,069	6,394	12.5	893	60	19.5
Window Glass	46	1,755	4,397	11.3	1,001	60	12.5
Other	50	660	2,107	2.5	625	81	35.5
No One Major Type	15	393	616	12.5	2,083	60	7.5
Predominant Roof Material							
Built-Up	1,369	24,481	33,783	6.0	875	51	34.5
Shingles (Not Wood)	1,486	11,093	13,722	3.5	917	48	31.5
Metal Surfacing	908	7,941	6,514	4.8	1,333	47	15.5
Synthetic or Rubber	351	10,235	16,788	8.5	750	50	32.5
Slate or Tile	202	1,920	2,121	4.8	917	45	39.5
Wooden Materials	152	1,130	1,087	6.0	1,250	50	40.5
Concrete	58	1,335	1,694	4.0	750	48	23.5
Other	36	332	508	2.0	1,200	5	36.5
No One Major Type	Q	305	549	2.0	750	48	68.5
Energy Sources (more than one may apply)							
Electricity	4,343	57,076	76,513	5.0	929	50	30.5
Natural Gas	2,478	38,145	50,217	6.0	917	50	35.5
Fuel Oil	607	14,421	22,976	4.8	1,000	50	35.5
District Heat	110	5,658	10,413	12.5	944	60	36.5
District Chilled Water	53	2,521	4,441	12.5	1,250	65	30.5
Propane	589	5,344	7,709	4.0	1,000	50	20.5
Wood	126	699	547	3.3	1,500	50	32.5
Coal	Q	397	199	7.0	7,000	53	20.5
Solar	Q	Q	Q	5.5	688	53	19.5
Other	71	1,154	1,723	4.0	750	60	38.5

See footnotes at end of table.

Table 2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1995 (Continued)

Building Characteristics RSE Column Factor:	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
Space-Heating Energy Sources (more than one may apply)							
Electricity	1,467	22,156	34,032	5.5	792	50	21.5
Natural Gas	2,211	31,535	40,247	5.5	917	50	35.5
Fuel Oil	504	6,606	8,211	4.0	1,000	50	38.5
District Heat	109	5,606	10,374	12.5	944	60	37.5
Propane	301	2,025	3,898	3.3	1,500	48	18.5
Wood	103	509	401	3.3	1,500	50	35.5
Coal	Q	Q	Q	3.5	500	45	20.5
Solar	Q	Q	Q	65.0	1,300	168	21.5
Other	25	318	432	3.0	750	48	36.5
Primary Space-Heating Energy Source							
Electricity	1,007	13,500	20,602	5.0	750	50	20.5
Natural Gas	2,106	28,808	36,411	5.5	917	50	35.5
Fuel Oil	439	4,207	4,056	4.0	1,000	50	39.5
District Heat	107	5,289	9,872	12.5	944	60	36.5
Propane	260	1,545	Q	3.0	1,500	48	15.5
Wood	Q	Q	Q	4.0	1,563	46	36.5
Coal	Q	Q	Q	37.5	721	40	39.5
Other	Q	Q	Q	11.3	1,607	51	37.5
Cooling Energy Sources (more than one may apply)							
Electricity	3,293	47,761	67,723	5.0	833	50	28.5
Natural Gas	65	1,314	2,061	9.5	855	50	40.5
District Chilled Water	53	2,521	4,441	12.5	1,250	65	30.5
Water-Heating Energy Sources (more than one may apply)							
Electricity	1,684	23,056	33,835	5.0	800	50	22.5
Natural Gas	1,577	24,859	32,519	6.0	893	54	35.5
Fuel Oil	120	2,151	2,309	4.3	875	50	39.5
District Heat	54	3,949	7,144	27.5	1,300	82	30.5
Propane	110	1,020	1,165	3.5	1,167	88	27.5
Cooking Energy Sources (more than one may apply)							
Electricity	487	12,249	18,935	5.5	750	80	23.5
Natural Gas	448	13,195	20,062	8.5	800	75	33.5
Propane	123	1,480	1,813	3.3	500	84	19.5
Energy End Uses (more than one may apply)							
Buildings with Space Heating	4,024	54,347	74,918	5.0	893	50	30.5
Buildings with Cooling	3,381	49,935	71,146	5.0	833	50	28.5
Buildings with Water Heating	3,486	51,560	72,679	5.0	859	50	30.5
Buildings with Cooking	828	20,713	31,865	7.0	800	72	28.5
Buildings with Manufacturing	204	3,893	4,949	8.0	1,100	48	29.5
Buildings with Electricity Generation	247	13,366	22,855	12.5	833	67	30.5

See footnotes at end of table.

Table 2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1995 (Continued)

Building Characteristics RSE Column Factor:	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
Percent of Floorspace Heated							
Not Heated	554	4,425	1,849	3.8	1,250	36	25.5
1 to 50	555	6,227	4,248	5.5	1,625	45	30.5
51 to 99	633	8,868	11,519	6.0	875	55	35.5
100	2,836	39,252	59,151	5.0	833	50	28.5
Percent of Floorspace Cooled							
Not Cooled	1,198	8,837	5,620	3.8	1,500	41	34.5
1 to 50	930	15,027	12,404	7.0	1,250	50	35.5
51 to 99	635	12,549	19,278	5.5	750	56	35.5
100	1,816	22,359	39,464	4.8	750	50	23.5
Percent Lit when Open							
Zero	36	189	Q	1.8	938	50	16.5
1 to 50	666	6,008	2,670	4.8	2,000	50	35.5
51 to 99	745	9,692	12,055	5.0	917	49	34.5
100	2,814	40,514	61,743	5.0	833	50	26.5
Building Not in Use/ Electricity Not Used	318	2,369	253	4.0	4,250	0	35.5
Percent Lit when Closed							
Zero	1,644	13,101	12,689	4.0	1,188	44	30.5
1 to 50	2,109	30,711	44,878	5.5	761	50	30.5
51 to 100	87	1,914	2,574	6.0	818	60	30.5
Never Closed	421	10,677	16,372	6.0	1,250	168	25.5
Building Not in Use/ Electricity Not Used	318	2,369	253	4.0	4,250	0	35.5
Heating Equipment (more than one may apply)							
Heat Pumps	394	5,843	9,153	5.0	667	48	19.5
Furnaces	1,676	14,923	17,488	4.8	938	50	34.5
Individual Space Heaters	1,188	16,809	21,127	5.0	1,125	49	30.5
District Heat	115	5,911	10,690	12.5	944	65	35.5
Boilers	610	16,754	24,573	9.0	909	53	39.5
Packaged Heating Units	1,031	16,893	23,460	5.5	750	50	21.5
Other	161	6,249	11,092	10.0	1,300	52	29.5
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	878	9,238	13,813	5.0	750	50	30.5
Heat Pumps	457	6,931	10,724	5.0	700	48	19.5
Individual Air Conditioners	862	12,494	14,184	4.5	1,125	50	40.5
District Chilled Water	53	2,521	4,441	12.5	1,250	65	30.5
Central Chillers	109	11,065	21,055	45.0	1,000	65	28.5
Packaged Air Conditioning Units	1,431	26,628	38,210	6.5	800	52	23.5
Swamp Coolers	186	2,451	2,800	4.8	792	56	30.5
Other	18	949	1,579	18.8	900	60	39.5
Lighting Equipment Types (more than one may apply)							
Incandescent	2,479	35,715	49,241	5.0	917	50	32.5
Standard Fluorescent	3,885	53,984	74,912	5.0	889	50	29.5
Compact Fluorescent	364	14,273	25,623	11.3	750	66	23.5
High-Intensity Discharge	393	16,259	21,898	12.5	1,067	53	27.5
Halogen	302	9,665	16,479	8.0	915	60	28.5
Other	30	554	1,211	2.0	1,500	45	32.5

See footnotes at end of table.

Table 2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1995 (Continued)

Building Characteristics RSE Column Factor:	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
Water-Heating Equipment (more than one may apply)							
Centralized System	2,671	31,656	42,093	4.8	833	50	31.5
Distributed System	742	16,495	25,678	9.5	875	55	25.5
Combination of Centralized and Distributed System	73	3,409	4,909	10.0	1,000	50	26.5
Personal Computers and/or Computer Terminals							
None	2,039	12,571	8,017	3.5	1,500	45	31.5
1 to 4	1,408	11,401	11,593	4.3	900	53	30.5
5 to 9	437	5,372	6,528	6.0	600	50	23.5
10 to 19	344	5,947	7,456	8.5	563	50	25.5
20 to 49	198	7,048	8,647	20.0	694	50	25.5
50 to 99	81	4,938	7,442	40.0	625	54	29.5
100 to 249	46	5,189	8,426	65.0	600	60	24.5
250 or More	26	6,307	18,657	140.0	360	70	18.5
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	828	20,713	31,865	7.0	800	72	28.5
Computer Room	234	12,890	25,663	16.3	654	50	19.5
Activities with Large Amounts of Hot Water	243	6,753	9,804	8.0	882	85	31.5
Building Shell Conservation Features (more than one may apply)							
Roof or Ceiling Insulation	3,380	46,355	65,811	5.0	875	50	26.5
Wall Insulation	2,372	31,694	48,470	5.0	833	50	21.5
Storm or Multiple Glazing	1,897	28,876	42,927	5.5	813	50	26.5
Tinted, Reflective or Shading Glass	1,202	24,245	41,824	6.0	750	50	21.5
Exterior or Interior Shading or Awnings	2,271	37,208	55,742	6.0	813	50	28.5
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	327	13,473	24,381	12.5	750	50	23.5
Economizer Cycle	461	16,550	28,903	10.0	800	57	21.5
HVAC Maintenance	2,403	43,134	64,503	6.0	833	51	28.5
Other Energy Efficient Equipment	198	6,453	11,369	7.0	688	55	23.5
Lighting Conservation Features (more than one may apply)							
Specular Reflectors	749	17,868	28,063	6.0	1,000	50	28.5
Energy-Efficient Ballasts	1,363	28,375	46,204	6.0	750	50	25.5
Natural Lighting Control Sensors	237	6,431	10,339	8.0	885	63	28.5
Occupancy Sensors	131	5,958	11,564	12.5	1,111	50	38.5
Time Clock	467	13,262	22,355	8.0	724	55	27.5
Manual Dimmer Switches	501	13,056	19,931	9.5	1,100	55	26.5
Other	79	2,836	4,501	10.0	688	60	20.5

See footnotes at end of table.

Table 2. Summary Table: Totals and Medians of Floorspace, Number of Workers, Hours of Operation, and Age of Building, 1995 (Continued)

Building Characteristics RSE Column Factor:	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
Energy Conservation Features (more than one may apply)							
Any Conservation Features	4,075	55,288	75,532	5.0	900	50	29.5
Building Shell	3,906	53,190	74,162	5.0	875	50	28.5
HVAC	2,529	44,657	65,999	6.0	850	50	28.5
Lighting	2,084	38,537	58,423	6.0	875	51	28.5
Off-Hour Equipment Reduction (more than one may apply)							
Heating	3,211	38,326	51,920	4.8	875	48	30.5
Cooling	2,707	35,605	50,080	5.0	833	50	28.5
Lighting	3,753	44,937	59,715	5.0	889	48	30.5

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 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	
	0.7	1.5	1.3	1.1	1.4	0.5	1.1	1.0	0.9	1.1	
RSE Column Factor:											
All Buildings	4,579	725	1,139	1,750	964	58,772	11,883	14,322	20,830	11,736	6.5
Building Floorspace (Square Feet)											
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
Principal Building Activity											
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
Year Constructed											
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
Floors											
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
Workers (main shift)											
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	
RSE Column Factor:											
Weekly Operating Hours											
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
Ownership and Occupancy											
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
Space in Building Vacant for at Least Three Consecutive Months											
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
Number of Establishments											
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
Predominant Exterior Wall Material											
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
Predominant Roof Material											
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
Energy Sources (more than one may apply)											
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	
RSE Column Factor:											
Energy End Uses (more than one may apply)											
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
Percent of Floorspace Heated											
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
Percent of Floorspace Cooled											
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
Percent Lit when Open											
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
Heating Equipment (more than one may apply)											
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
Cooling Equipment (more than one may apply)											
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	
RSE Column Factor:											
Building Shell Conservation Features (more than one may apply)											
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
HVAC Conservation Features (more than one may apply)											
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
Lighting Conservation Features (more than one may apply)											
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
Energy Conservation Features (more than one may apply)											
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	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	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	1.1	
All Buildings	4,579	204	521	739	401	676	477	597	319	646	10.5
Building Floorspace (Square Feet)											
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
Principal Building Activity											
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
Year Constructed											
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
Floors											
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
Workers (main shift)											
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	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	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	
RSE Column Factor:	0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	1.1	
Weekly Operating Hours											
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
Ownership and Occupancy											
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
Space in Building Vacant for at Least Three Consecutive Months											
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
Number of Establishments											
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
Predominant Exterior Wall Material											
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
Predominant Roof Material											
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	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	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	1.1	
Energy Sources (more than one may apply)											
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
Energy End Uses (more than one may apply)											
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
Percent of Floorspace Heated											
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
Percent of Floorspace Cooled											
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
Percent Lit when Open											
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
Heating Equipment (more than one may apply)											
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	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	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	
RSE Column Factor:	0.4	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	1.1	
Cooling Equipment (more than one may apply)											
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
Building Shell Conservation Features (more than one may apply)											
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
HVAC Conservation Features (more than one may apply)											
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
Lighting Conservation Features (more than one may apply)											
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	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	1.3	1.0	1.0	1.4	1.0	1.1	0.9	1.3	
Energy Conservation Features (more than one may apply)											
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 Floor-space 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	
All Buildings	58,772	3,140	8,743	9,655	4,668	9,475	4,917	6,438	3,855	7,881	8.6
Building Floorspace (Square Feet)											
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
Principal Building Activity											
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
Year Constructed											
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
Floors											
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
Workers (main shift)											
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 Floor-space 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	
Weekly Operating Hours											
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
Ownership and Occupancy											
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
Space in Building Vacant for at Least Three Consecutive Months											
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
Number of Establishments											
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
Predominant Exterior Wall Material											
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
Predominant Roof Material											
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 Floor-space 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	
Energy Sources (more than one may apply)											
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
Energy End Uses (more than one may apply)											
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
Percent of Floorspace Heated											
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
Percent of Floorspace Cooled											
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
Percent Lit when Open											
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
Heating Equipment (more than one may apply)											
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 Floor-space 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	
Cooling Equipment (more than one may apply)											
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
Building Shell Conservation Features (more than one may apply)											
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
HVAC Conservation Features (more than one may apply)											
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
Lighting Conservation Features (more than one may apply)											
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 Floor-space 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	
Energy Conservation Features (more than one may apply)											
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 Build- ings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Build- ings	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	
All Buildings	4,579	493	975	1,070	1,103	937	58,772	5,098	14,597	15,155	13,491	10,430	9.1
Building Floorspace (Square Feet)													
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
Principal Building Activity													
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
Year Constructed													
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
Floors													
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
Census Region													
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	Q	347	603	799	20,830	Q	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 Build- ings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Build- ings	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	
Workers (main shift)													
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
Weekly Operating Hours													
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
Ownership and Occupancy													
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
Space in Building Vacant for at Least Three Consecutive Months													
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
Number of Establishments													
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
Predominant Exterior Wall Material													
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
	All Build- ings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Build- ings	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	
Predominant Roof Material													
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	416	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
Energy Sources (more than one may apply)													
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
Energy End Uses (more than one may apply)													
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
Percent of Floorspace Heated													
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
Percent of Floorspace Cooled													
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
Percent Lit when Open													
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
	All Build- ings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Build- ings	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	
Heating Equipment (more than one may apply)													
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
Cooling Equipment (more than one may apply)													
Residential-Type Central													
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
Packaged Air Conditioning													
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
Lighting Equipment Types (more than one may apply)													
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
Building Shell Conservation Features (more than one may apply)													
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
Tinted, Reflective or													
Shading Glass	1,202	99	203	217	404	279	24,245	1,637	5,382	5,853	6,459	4,915	11.3
Exterior or Interior													
Shading or Awnings	2,271	224	419	526	643	460	37,208	3,174	8,946	9,799	8,736	6,554	10.1
HVAC Conservation Features (more than one may apply)													
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 Build- ings	Average Annual Heating and Cooling Degree-Days (HDD and CDD)					All Build- ings	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	
Lighting Conservation Features (more than one may apply)													
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
Energy Conservation Features (more than one may apply)													
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	
RSE Column Factor:	0.8	0.9	1.8	0.6	0.7	1.6	
All Buildings	4,579	3,082	1,497	58,772	47,383	11,389	5.0
Building Floorspace (Square Feet)							
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
Principal Building Activity							
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
Year Constructed							
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
Floors							
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
Census Region							
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
Climate Zone: 45-Year Average							
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	
RSE Column Factor:							
Workers (main shift)							
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
Weekly Operating Hours							
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
Ownership and Occupancy							
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
Space in Building Vacant for at Least Three Consecutive Months							
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
Number of Establishments							
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
Multibuilding Facility							
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
Predominant Exterior Wall Material							
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	
RSE Column Factor:							
Predominant Roof Material							
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
Energy Sources (more than one may apply)							
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
Energy End Uses (more than one may apply)							
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
Percent of Floorspace Heated							
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
Percent of Floorspace Cooled							
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
Percent Lit when Open							
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
Heating Equipment (more than one may apply)							
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	
	0.8	0.9	1.8	0.6	0.7	1.6	
RSE Column Factor:							
Cooling Equipment (more than one may apply)							
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
Lighting Equipment Types (more than one may apply)							
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
Personal Computers and/or Computer Terminals							
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
Energy-Related Space Functions (more than one may apply)							
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
Building Shell Conservation Features (more than one may apply)							
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
HVAC Conservation Features (more than one may apply)							
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	
RSE Column Factor:							
Lighting Conservation Features (more than one may apply)							
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
Energy Conservation Features (more than one may apply)							
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.

Table 8. Building Size, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.7	0.9	1.3	1.2	0.9	0.9	1.0	1.1	1.2	
All Buildings	4,579	2,399	1,035	745	213	115	48	19	6	6.4
Principal Building Activity										
Education	309	100	60	62	49	26	9	3	Q	15.1
Food Sales	137	108	Q	Q	Q	Q	Q	Q	Q	20.1
Food Service	285	210	52	Q	Q	Q	Q	Q	Q	17.2
Health Care	105	57	Q	16	5	Q	2	2	1	23.2
Lodging	158	46	40	43	14	9	4	2	Q	19.6
Mercantile and Service	1,289	736	295	195	33	18	8	2	2	13.4
Office	705	405	131	94	35	22	10	5	1	12.1
Public Assembly	326	128	110	64	13	7	2	1	Q	21.5
Public Order and Safety	87	Q	Q	23	Q	Q	Q	Q	Q	35.7
Religious Worship	269	92	84	78	11	Q	Q	Q	Q	20.4
Warehouse and Storage	580	286	135	95	34	17	9	3	1	18.2
Other	67	Q	Q	Q	Q	Q	Q	Q	Q	43.0
Vacant	261	149	68	34	4	3	Q	Q	Q	24.8
Year Constructed										
1919 or Before	353	175	92	65	11	6	2	Q	Q	21.0
1920 to 1945	562	309	145	70	17	11	6	2	1	17.6
1946 to 1959	867	461	222	123	34	19	5	3	*	14.4
1960 to 1969	718	343	159	135	45	21	12	3	1	14.1
1970 to 1979	813	428	174	137	38	20	9	4	1	12.5
1980 to 1989	846	422	151	186	46	26	9	4	1	12.4
1990 to 1992	218	132	50	16	11	6	3	1	*	20.8
1993 to 1995	202	129	43	13	9	6	Q	*	*	26.7
Floors										
One	3,018	1,894	618	358	90	37	16	4	1	9.8
Two	1,002	378	283	236	62	32	8	2	1	12.4
Three	399	123	97	115	37	18	7	2	*	17.3
Four to Nine	148	Q	37	35	24	26	14	7	1	16.2
Ten or More	12	Q	Q	Q	Q	Q	3	4	2	13.9
Census Region										
Northeast	725	351	162	139	38	20	10	5	2	13.7
Midwest	1,139	638	224	181	48	28	14	5	1	12.9
South	1,750	953	380	276	74	42	17	6	1	10.8
West	964	457	269	149	53	24	8	3	1	14.2
Workers (main shift)										
Fewer than 5	2,505	1,703	508	260	22	7	3	Q	Q	12.6
5 to 9	798	421	222	128	16	9	Q	Q	Q	14.3
10 to 19	625	198	222	159	32	9	3	Q	Q	15.1
20 to 49	400	62	79	150	71	31	5	1	Q	15.4
50 to 99	138	Q	Q	33	44	30	13	2	Q	14.5
100 to 249	71	Q	Q	8	24	20	12	5	1	15.0
250 or More	43	Q	Q	Q	Q	9	11	9	4	13.1
Weekly Operating Hours										
39 or Fewer	899	565	219	90	16	6	Q	Q	Q	14.6
40 to 48	1,257	665	282	214	55	26	10	2	Q	11.9
49 to 60	969	475	232	164	59	27	8	3	1	13.1
61 to 84	567	241	139	121	32	19	9	4	2	14.1
85 to 167	420	240	67	67	20	14	9	2	*	17.6
Open Continuously	466	212	95	88	30	21	10	7	3	12.4

See footnotes at end of table.

Table 8. Building Size, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.7	0.9	1.3	1.2	0.9	0.9	1.0	1.1	1.2	
Ownership and Occupancy										
Nongovernment Owned	4,025	2,176	909	646	158	83	35	13	4	7.3
Owner Occupied	3,158	1,746	704	503	109	58	24	10	4	7.8
Nonowner Occupied	698	325	163	126	47	24	10	3	*	15.9
Unoccupied	170	105	Q	Q	Q	Q	Q	Q	Q	24.1
Government Owned	553	223	125	98	55	32	13	6	1	12.1
Predominant Exterior Wall Material										
Masonry	3,061	1,454	749	545	170	91	35	14	4	7.4
Siding or Shingles	639	465	116	50	5	Q	Q	Q	Q	18.9
Metal Panels	662	390	146	97	18	7	2	Q	*	17.4
Concrete Panels	106	Q	10	30	14	12	6	2	*	18.7
Window Glass	46	Q	Q	Q	4	3	2	1	1	26.5
Other	50	Q	Q	Q	Q	Q	Q	*	Q	32.7
No One Major Type	15	Q	Q	Q	Q	Q	Q	Q	Q	71.8
Predominant Roof Material										
Built-Up	1,369	591	331	258	97	54	25	10	3	9.9
Shingles (Not Wood)	1,486	915	331	191	29	14	4	1	*	14.0
Metal Surfacing	908	512	192	158	29	13	3	1	Q	16.2
Synthetic or Rubber	351	133	62	71	40	25	13	5	2	13.9
Slate or Tile	202	105	60	21	10	4	Q	Q	Q	21.5
Wooden Materials	152	72	50	Q	Q	Q	Q	Q	Q	30.3
Concrete	58	Q	Q	Q	Q	Q	Q	Q	*	40.4
Other	36	Q	Q	Q	Q	Q	Q	Q	Q	58.7
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)										
Electricity	4,343	2,252	970	724	211	114	47	19	6	6.3
Natural Gas	2,478	1,112	614	474	146	82	33	13	4	7.4
Fuel Oil	607	333	96	92	31	28	14	10	4	14.0
District Heat	110	Q	Q	25	18	11	8	4	1	17.1
District Chilled Water	53	Q	Q	Q	7	5	5	2	1	23.7
Propane	589	354	117	89	16	9	3	1	Q	19.8
Other	213	117	57	25	6	6	Q	1	Q	25.0
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,024	2,060	899	685	198	111	46	18	6	6.5
Buildings with Cooling	3,381	1,650	754	619	187	103	44	18	6	6.6
Buildings with Water Heating	3,486	1,689	780	644	195	110	45	18	6	6.6
Buildings with Cooking	828	339	175	169	66	42	22	12	4	9.6
Buildings with Manufacturing	204	69	51	55	15	8	5	Q	1	23.9
Buildings with Electricity Generation	247	55	48	59	26	30	14	10	4	15.3
Percent of Floorspace Heated										
Not Heated	554	339	135	59	14	4	Q	Q	Q	21.7
1 to 50	555	261	161	97	18	10	5	1	1	20.4
51 to 99	633	286	161	136	27	12	6	4	1	15.2
100	2,836	1,513	576	452	153	89	35	13	4	7.1

See footnotes at end of table.

Table 8. Building Size, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.7	0.9	1.3	1.2	0.9	0.9	1.0	1.1	1.2	
Percent of Floorspace										
Cooled										
Not Cooled	1,198	749	280	125	26	12	4	1	Q	17.2
1 to 50	930	363	254	196	65	34	12	5	1	12.9
51 to 99	635	289	145	117	39	24	13	6	2	12.1
100	1,816	998	355	307	83	45	19	7	2	9.6
Percent Lit when Open										
Zero	36	Q	Q	Q	Q	Q	Q	Q	Q	58.6
1 to 50	666	363	150	120	18	11	2	Q	Q	15.1
51 to 99	745	363	166	157	27	19	9	3	1	14.8
100	2,814	1,446	632	435	163	83	35	15	4	7.3
Building Not in Use/ Electricity Not Used	318	194	85	31	Q	Q	Q	Q	Q	22.2
Heating Equipment (more than one may apply)										
Heat Pumps	394	213	59	80	20	16	4	3	1	15.9
Furnaces	1,676	898	441	257	49	20	8	2	1	11.9
Individual Space Heaters	1,188	616	268	191	57	33	14	6	2	11.8
District Heat	115	Q	Q	27	18	11	8	4	2	17.0
Boilers	610	199	135	128	70	46	20	9	2	12.3
Packaged Heating Units	1,031	483	193	216	75	41	15	6	2	10.9
Other	161	Q	22	50	14	11	6	4	2	21.3
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	878	453	236	133	35	14	5	3	1	13.6
Heat Pumps	457	235	77	96	23	17	5	3	1	15.0
Individual Air Conditioners	862	467	171	134	47	25	11	6	1	11.9
District Chilled Water	53	Q	Q	Q	7	5	5	2	1	23.7
Central Chillers	109	Q	Q	14	29	23	15	9	3	12.7
Packaged Air Conditioning Units	1,431	569	345	310	108	62	25	10	4	9.2
Swamp Coolers	186	97	41	34	6	4	2	1	Q	29.6
Other	18	Q	Q	Q	Q	Q	Q	Q	Q	33.1
Lighting Equipment Types (more than one may apply)										
Incandescent	2,479	1,205	613	431	115	69	29	14	5	7.7
Standard Fluorescent	3,885	1,952	868	684	200	111	45	18	6	6.3
Compact Fluorescent	364	101	75	89	41	30	15	10	3	13.2
High-Intensity Discharge	393	79	93	107	46	34	20	10	4	12.8
Halogen	302	100	85	58	23	17	11	6	3	15.0
Other	30	Q	Q	Q	Q	Q	Q	Q	Q	63.3
Personal Computers and/or Computer Terminals										
None	2,039	1,323	456	222	25	9	3	1	Q	15.0
1 to 4	1,408	782	336	236	32	18	3	Q	Q	12.1
5 to 9	437	174	112	107	30	10	3	Q	Q	17.1
10 to 19	344	109	87	92	36	12	6	1	Q	18.8
20 to 49	198	Q	32	74	44	27	8	2	1	16.6
50 to 99	81	Q	Q	12	31	20	6	3	*	15.4
100 to 249	46	Q	Q	Q	12	15	9	4	1	14.6
250 or More	26	Q	Q	Q	Q	6	8	6	3	13.0

See footnotes at end of table.

Table 8. Building Size, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.7	0.9	1.3	1.2	0.9	0.9	1.0	1.1	1.2	
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	828	339	175	169	66	42	22	12	4	9.6
Computer Room	234	Q	57	52	38	29	17	10	3	12.5
Activities with Large Amounts of Hot Water	243	97	42	57	20	13	8	4	1	17.9
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	3,380	1,718	751	595	166	92	39	16	5	7.1
Wall Insulation	2,372	1,238	480	447	108	59	26	10	4	8.0
Storm or Multiple Glazing	1,897	909	430	357	100	60	26	11	3	8.1
Tinted, Reflective or Shading Glass	1,202	514	262	246	92	47	24	12	4	9.1
Exterior or Interior Shading or Awnings	2,271	1,048	468	481	137	85	33	15	4	7.7
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	327	98	55	73	41	32	16	8	3	14.3
Economizer Cycle	461	154	90	89	57	36	20	9	4	12.3
HVAC Maintenance	2,403	1,031	543	501	167	97	41	17	5	7.4
Other Energy Efficient Equipment	198	73	41	32	26	14	7	4	1	18.7
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	749	329	146	149	54	40	18	9	4	11.1
Energy-Efficient Ballasts	1,363	592	282	280	100	62	28	14	5	9.2
Natural Lighting Control Sensors	237	70	72	53	20	11	5	3	2	18.7
Occupancy Sensors	131	Q	30	45	16	9	6	4	2	19.4
Time Clock	467	154	131	92	37	28	15	6	3	13.7
Manual Dimmer Switches	501	138	150	131	35	23	14	8	3	12.4
Other	79	Q	Q	Q	6	8	2	2	1	23.0
Energy Conservation Features (more than one may apply)										
Any Conservation Features	4,075	2,067	917	705	203	113	47	18	6	6.5
Building Shell	3,906	1,991	867	676	195	109	44	18	6	6.5
HVAC	2,529	1,086	575	527	175	100	41	17	6	7.3
Lighting	2,084	881	496	427	135	83	38	17	5	7.8

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 9. Building Size, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace (million square feet)	Floorspace by Building Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	1.0	1.3	1.2	0.9	0.9	1.1	1.1	1.3	
All Buildings	58,772	6,338	7,530	11,617	7,676	7,968	6,776	5,553	5,313	6.3
Principal Building Activity										
Education	7,740	250	404	1,045	1,825	1,752	1,235	981	Q	14.1
Food Sales	642	234	Q	Q	Q	Q	Q	Q	Q	21.3
Food Service	1,353	550	390	Q	Q	Q	Q	Q	Q	20.0
Health Care	2,333	152	Q	243	175	Q	340	625	518	20.4
Lodging	3,618	150	269	748	512	613	547	558	Q	19.6
Mercantile and Service	12,728	1,841	2,202	2,939	1,180	1,274	1,068	539	1,685	13.4
Office	10,478	1,084	915	1,580	1,293	1,542	1,378	1,525	1,161	11.7
Public Assembly	3,948	312	786	940	485	499	363	292	Q	21.1
Public Order and Safety	1,271	Q	Q	368	Q	Q	Q	Q	Q	34.6
Religious Worship	2,792	301	662	1,120	392	Q	Q	Q	Q	20.1
Warehouse and Storage	8,481	807	991	1,530	1,165	1,147	1,352	773	716	18.1
Other	1,004	Q	Q	Q	Q	Q	Q	Q	Q	41.8
Vacant	2,384	399	497	503	148	225	Q	Q	Q	25.9
Year Constructed										
1919 or Before	3,673	442	756	957	407	386	340	Q	Q	20.3
1920 to 1945	6,710	855	981	1,241	595	750	934	604	750	18.1
1946 to 1959	9,298	1,180	1,710	1,942	1,260	1,293	660	889	364	14.9
1960 to 1969	10,858	889	1,132	2,163	1,650	1,453	1,643	869	1,060	13.8
1970 to 1979	11,333	1,245	1,186	2,071	1,337	1,453	1,250	1,430	1,360	12.4
1980 to 1989	12,252	1,087	1,102	2,809	1,701	1,816	1,306	1,223	1,208	12.6
1990 to 1992	2,590	316	368	251	378	410	406	211	250	20.3
1993 to 1995	2,059	324	296	184	349	407	Q	137	127	24.7
Floors										
One	24,552	4,838	4,399	5,478	3,198	2,539	2,263	1,009	828	10.1
Two	14,122	1,152	2,093	3,635	2,215	2,159	1,157	694	1,018	12.2
Three	7,335	333	767	1,841	1,336	1,224	872	605	357	16.3
Four to Nine	8,789	Q	269	663	908	1,916	1,968	1,934	1,115	15.1
Ten or More	3,975	Q	Q	Q	Q	Q	516	1,312	1,995	14.6
Census Region										
Northeast	11,883	995	1,223	2,118	1,380	1,371	1,377	1,389	2,029	13.9
Midwest	14,322	1,772	1,678	2,701	1,726	1,920	1,896	1,520	1,110	12.3
South	20,830	2,428	2,786	4,481	2,664	2,980	2,428	1,679	1,384	10.8
West	11,736	1,144	1,842	2,317	1,905	1,697	1,075	965	791	13.6
Workers (main shift)										
Fewer than 5	13,885	4,184	3,636	3,806	770	518	415	Q	Q	13.4
5 to 9	6,291	1,202	1,608	2,090	529	567	Q	Q	Q	14.6
10 to 19	7,102	695	1,637	2,399	1,099	557	480	Q	Q	15.0
20 to 49	9,132	225	615	2,513	2,620	2,087	736	204	Q	15.2
50 to 99	6,931	Q	Q	567	1,644	2,108	1,738	587	Q	14.1
100 to 249	5,988	Q	Q	155	913	1,472	1,628	1,394	409	14.7
250 or More	9,443	Q	Q	Q	Q	658	1,644	2,858	4,096	11.4
Weekly Operating Hours										
39 or Fewer	6,134	1,544	1,619	1,354	576	426	Q	Q	Q	15.3
40 to 48	13,233	1,701	2,033	3,382	1,981	1,776	1,439	705	Q	12.4
49 to 60	12,242	1,264	1,707	2,562	2,103	1,897	1,181	905	623	12.8
61 to 84	10,052	653	1,020	1,873	1,182	1,354	1,325	1,011	1,634	13.3
85 to 167	6,202	618	503	1,024	749	988	1,183	743	393	17.1
Open Continuously	10,908	559	647	1,422	1,085	1,527	1,453	2,035	2,182	11.9

See footnotes at end of table.

Table 9. Building Size, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace (million square feet)	Floorspace by Building Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	1.0	1.3	1.2	0.9	0.9	1.1	1.1	1.3	
Ownership and Occupancy										
Nongovernment Owned	46,696	5,709	6,606	10,071	5,653	5,757	4,929	3,867	4,104	7.3
Owner Occupied	35,573	4,652	5,118	7,863	3,910	4,000	3,426	2,989	3,615	7.8
Nonowner Occupied	9,697	787	1,189	1,944	1,665	1,670	1,404	797	242	15.3
Unoccupied	1,426	270	Q	Q	Q	Q	Q	Q	Q	31.3
Government Owned	12,076	630	924	1,546	2,023	2,211	1,847	1,685	1,209	11.9
Predominant Exterior Wall Material										
Masonry	42,958	3,970	5,445	8,694	6,146	6,237	4,868	3,985	3,613	7.4
Siding or Shingles	3,243	1,135	825	725	161	Q	Q	Q	Q	20.4
Metal Panels	5,694	1,038	1,077	1,426	643	479	374	Q	362	18.4
Concrete Panels	4,069	Q	78	465	502	896	901	738	422	17.4
Window Glass	1,755	Q	Q	Q	150	194	283	368	541	23.3
Other	660	Q	Q	Q	Q	Q	Q	105	Q	26.1
No One Major Type	393	Q	Q	Q	Q	Q	Q	Q	Q	61.3
Predominant Roof Material										
Built-Up	24,481	1,557	2,340	4,159	3,529	3,729	3,584	2,879	2,703	9.6
Shingles (Not Wood)	11,093	2,358	2,352	2,806	1,042	1,033	586	420	495	14.4
Metal Surfacing	7,941	1,409	1,467	2,479	1,012	861	411	242	Q	16.2
Synthetic or Rubber	10,235	398	492	1,105	1,494	1,716	1,859	1,649	1,523	13.7
Slate or Tile	1,920	288	419	347	344	262	Q	Q	Q	20.9
Wooden Materials	1,130	174	400	Q	Q	Q	Q	Q	Q	32.7
Concrete	1,335	Q	Q	Q	Q	Q	Q	Q	378	37.9
Other	332	Q	Q	Q	Q	Q	Q	Q	Q	41.0
No One Major Type	305	Q	Q	Q	Q	Q	Q	Q	Q	53.9
Energy Sources (more than one may apply)										
Electricity	57,076	5,953	7,061	11,303	7,635	7,902	6,599	5,550	5,074	6.2
Natural Gas	38,145	2,942	4,497	7,561	5,242	5,608	4,643	3,941	3,712	7.5
Fuel Oil	14,421	946	679	1,425	1,164	1,968	2,096	2,928	3,215	12.8
District Heat	5,658	Q	Q	370	651	744	1,119	1,211	1,351	15.5
District Chilled Water	2,521	Q	Q	239	275	348	587	557	432	22.2
Propane	5,344	997	881	1,342	562	637	482	290	Q	20.2
Other	2,336	278	414	413	223	419	Q	252	Q	25.3
Energy End Uses (more than one may apply)										
Buildings with Space Heating	54,347	5,506	6,546	10,706	7,157	7,699	6,456	5,371	4,906	6.3
Buildings with Cooling	49,935	4,376	5,531	9,712	6,760	7,178	6,175	5,235	4,968	6.5
Buildings with Water Heating	51,560	4,617	5,652	10,053	7,060	7,611	6,269	5,303	4,995	6.4
Buildings with Cooking	20,713	922	1,319	2,731	2,433	2,939	3,028	3,482	3,859	9.3
Buildings with Manufacturing	3,893	207	357	883	563	560	672	Q	480	22.9
Buildings with Electricity Generation	13,366	169	315	902	1,033	2,121	2,091	3,081	3,653	14.2
Percent of Floorspace Heated										
Not Heated	4,425	832	984	911	519	268	Q	Q	Q	23.8
1 to 50	6,227	732	1,103	1,565	618	644	806	340	418	20.0
51 to 99	8,868	778	1,194	2,005	1,007	835	797	1,098	1,154	15.3
100	39,252	3,996	4,248	7,136	5,531	6,221	4,853	3,932	3,334	7.0

See footnotes at end of table.

Table 9. Building Size, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace (million square feet)	Floorspace by Building Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	1.0	1.3	1.2	0.9	0.9	1.1	1.1	1.3	
Percent of Floorspace Cooled										
Not Cooled	8,837	1,962	1,999	1,905	916	790	601	318	Q	17.3
1 to 50	15,027	1,067	1,881	3,265	2,282	2,263	1,722	1,493	1,053	12.8
51 to 99	12,549	690	1,031	1,837	1,450	1,752	1,843	1,685	2,261	11.7
100	22,359	2,619	2,620	4,610	3,028	3,163	2,610	2,057	1,653	9.5
Percent Lit when Open										
Zero	189	Q	Q	Q	Q	Q	Q	Q	Q	55.8
1 to 50	6,008	967	1,086	1,852	658	696	310	Q	Q	15.6
51 to 99	9,692	948	1,163	2,388	984	1,290	1,245	903	771	13.9
100	40,514	3,839	4,650	6,890	5,877	5,823	5,002	4,358	4,075	7.1
Building Not in Use/ Electricity Not Used	2,369	518	625	454	Q	Q	Q	Q	Q	24.5
Heating Equipment (more than one may apply)										
Heat Pumps	5,843	589	436	1,243	701	1,156	564	681	473	15.7
Furnaces	14,923	2,334	3,197	3,871	1,743	1,371	1,079	657	671	11.8
Individual Space Heaters	16,809	1,618	2,003	3,094	1,960	2,208	1,936	1,901	2,088	11.8
District Heat	5,911	Q	407	657	792	1,162	1,283	1,390	1,390	15.6
Boilers	16,754	551	1,005	2,080	2,592	3,190	2,850	2,553	1,933	11.2
Packaged Heating Units	16,893	1,319	1,410	3,387	2,754	2,800	2,139	1,611	1,473	10.1
Other	6,249	Q	180	780	489	762	822	1,202	1,861	19.7
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	9,238	1,133	1,732	1,970	1,224	970	707	824	677	12.9
Heat Pumps	6,931	652	559	1,523	826	1,186	730	788	666	14.6
Individual Air Conditioners	12,494	1,209	1,277	2,194	1,664	1,690	1,617	1,639	1,205	11.7
District Chilled Water	2,521	Q	Q	239	275	348	587	557	432	22.2
Central Chillers	11,065	Q	Q	264	1,107	1,666	2,080	2,687	3,124	12.4
Packaged Air Conditioning Units	26,628	1,603	2,484	4,932	3,928	4,296	3,539	2,936	2,911	9.0
Swamp Coolers	2,451	269	322	491	220	317	312	290	Q	28.4
Other	949	Q	Q	Q	Q	Q	Q	Q	Q	32.3
Lighting Equipment Types (more than one may apply)										
Incandescent	35,715	3,168	4,523	6,648	4,177	4,718	4,169	4,135	4,177	7.5
Standard Fluorescent	53,984	5,184	6,317	10,699	7,237	7,700	6,383	5,432	5,031	6.2
Compact Fluorescent	14,273	324	552	1,359	1,522	2,155	2,196	2,962	3,203	12.6
High-Intensity Discharge	16,259	233	704	1,655	1,704	2,420	2,911	3,094	3,537	12.4
Halogen	9,665	268	611	872	844	1,239	1,553	1,875	2,403	14.2
Other	554	Q	Q	Q	Q	Q	Q	Q	Q	79.9
Personal Computers and/or Computer Terminals										
None	12,571	3,369	3,260	3,315	924	585	456	318	Q	15.5
1 to 4	11,401	2,052	2,545	3,709	1,148	1,153	490	Q	Q	12.5
5 to 9	5,372	517	798	1,652	1,062	661	410	Q	Q	16.8
10 to 19	5,947	366	625	1,450	1,261	845	919	304	Q	17.8
20 to 49	7,048	Q	227	1,242	1,562	1,822	1,122	636	405	15.9
50 to 99	4,938	Q	Q	212	1,164	1,362	884	885	374	15.4
100 to 249	5,189	Q	Q	Q	464	1,059	1,345	1,040	1,225	15.2
250 or More	6,307	Q	Q	Q	Q	482	1,151	1,990	2,590	12.7

See footnotes at end of table.

Table 9. Building Size, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace (million square feet)	Floorspace by Building Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	1.0	1.3	1.2	0.9	0.9	1.1	1.1	1.3	
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	20,713	922	1,319	2,731	2,433	2,939	3,028	3,482	3,859	9.3
Computer Room	12,890	Q	394	842	1,414	2,097	2,356	2,975	2,723	11.3
Activities with Large Amounts of Hot Water	6,753	253	322	936	728	942	1,174	1,327	1,072	16.5
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	46,355	4,631	5,487	9,236	5,961	6,400	5,529	4,684	4,425	7.0
Wall Insulation	31,694	3,384	3,503	6,846	3,906	4,090	3,633	3,120	3,211	8.1
Storm or Multiple Glazing	28,876	2,475	3,220	5,550	3,638	4,235	3,598	3,345	2,815	7.9
Tinted, Reflective or Shading Glass	24,245	1,353	1,869	3,836	3,365	3,366	3,372	3,486	3,598	8.5
Exterior or Interior Shading or Awnings	37,208	2,806	3,470	7,514	4,934	5,864	4,700	4,454	3,467	7.3
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	13,473	285	401	1,114	1,541	2,316	2,265	2,452	3,099	13.0
Economizer Cycle	16,550	461	722	1,403	2,111	2,606	2,862	2,887	3,498	11.6
HVAC Maintenance	43,134	2,828	4,048	7,795	6,094	6,722	5,718	5,123	4,805	7.2
Other Energy Efficient Equipment	6,453	220	284	506	943	1,010	988	1,320	1,181	17.0
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	17,868	978	1,074	2,266	1,968	2,839	2,589	2,733	3,422	10.5
Energy-Efficient Ballasts	28,375	1,639	2,040	4,474	3,665	4,390	3,977	4,021	4,167	8.8
Natural Lighting Control Sensors	6,431	187	527	772	749	804	654	1,030	1,709	17.9
Occupancy Sensors	5,958	Q	233	701	583	638	884	1,338	1,526	18.3
Time Clock	13,262	431	971	1,384	1,380	2,050	2,106	1,995	2,946	12.5
Manual Dimmer Switches	13,056	375	1,129	1,938	1,291	1,643	1,975	2,511	2,194	11.9
Other	2,836	Q	Q	Q	258	592	317	601	638	20.5
Energy Conservation Features (more than one may apply)										
Any Conservation Features	55,288	5,552	6,671	10,928	7,311	7,848	6,534	5,427	5,018	6.3
Building Shell	53,190	5,346	6,344	10,491	7,021	7,530	6,217	5,237	5,005	6.4
HVAC	44,657	2,978	4,292	8,139	6,370	6,957	5,787	5,161	4,973	7.1
Lighting	38,537	2,410	3,626	6,625	4,936	5,806	5,364	4,912	4,857	7.5

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

Notes: • To obtain 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 10. Year Constructed, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.4	1.1	0.9	0.9	0.8	0.8	1.4	1.8	
All Buildings	4,579	353	562	867	718	813	846	218	202	8.9
Building Floorspace (Square Feet)										
1,001 to 5,000	2,399	175	309	461	343	428	422	132	129	13.1
5,001 to 10,000	1,035	92	145	222	159	174	151	50	43	17.8
10,001 to 25,000	745	65	70	123	135	137	186	16	13	17.4
25,001 to 50,000	213	11	17	34	45	38	46	11	9	12.4
50,001 to 100,000	115	6	11	19	21	20	26	6	6	14.9
100,001 to 200,000	48	2	6	5	12	9	9	3	Q	16.7
200,001 to 500,000	19	Q	2	3	3	4	4	1	*	19.8
Over 500,000	6	Q	1	*	1	1	1	*	*	19.8
Principal Building Activity										
Education	309	18	42	72	66	45	36	17	13	24.6
Food Sales	137	Q	Q	Q	Q	42	Q	Q	Q	36.6
Food Service	285	Q	Q	Q	25	66	74	Q	Q	30.5
Health Care	105	Q	Q	19	7	34	Q	Q	Q	45.4
Lodging	158	Q	7	33	53	24	25	Q	Q	32.5
Mercantile and Service	1,289	112	154	278	229	207	212	47	49	17.8
Office	705	57	74	128	75	158	151	38	23	20.6
Public Assembly	326	37	72	38	63	60	33	20	Q	32.0
Public Order and Safety	87	Q	Q	Q	Q	Q	Q	Q	Q	58.9
Religious Worship	269	20	Q	65	50	53	58	Q	Q	28.9
Warehouse and Storage	580	31	59	79	68	73	161	38	71	25.2
Other	67	Q	Q	Q	Q	Q	Q	Q	Q	64.8
Vacant	261	30	71	63	27	31	26	Q	Q	29.6
Floors										
One	3,018	80	281	567	500	626	628	170	165	11.5
Two	1,002	99	164	202	165	148	151	42	31	16.5
Three	399	137	80	87	28	26	36	3	Q	24.8
Four to Nine	148	35	35	10	23	10	27	4	3	23.7
Ten or More	12	Q	2	1	2	2	3	1	Q	25.1
Census Region										
Northeast	725	115	75	187	98	69	148	13	21	21.8
Midwest	1,139	147	221	215	150	141	156	38	70	19.2
South	1,750	50	176	285	267	391	389	114	78	14.4
West	964	41	90	180	204	211	153	54	33	20.2
Workers (main shift)										
Fewer than 5	2,505	217	336	475	390	390	430	123	144	11.9
5 to 9	798	64	119	176	111	176	104	31	Q	20.7
10 to 19	625	41	40	118	100	144	134	29	18	21.6
20 to 49	400	16	46	72	69	51	110	21	15	20.5
50 to 99	138	8	15	15	26	30	34	5	5	20.3
100 to 249	71	5	4	7	16	12	18	7	2	17.6
250 or More	43	1	3	4	7	9	17	2	1	23.8
Weekly Operating Hours										
39 or Fewer	899	82	125	194	147	109	155	Q	Q	19.5
40 to 48	1,257	110	184	256	165	194	239	63	46	15.8
49 to 60	969	75	100	185	149	214	173	42	32	18.3
61 to 84	567	40	65	126	115	99	74	24	24	22.2
85 to 167	420	15	49	42	63	116	85	31	19	25.7
Open Continuously	466	31	39	65	79	81	119	17	36	24.2

See footnotes at end of table.

Table 10. Year Constructed, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.4	1.1	0.9	0.9	0.8	0.8	1.4	1.8	
Ownership and Occupancy										
Nongovernment Owned	4,025	321	474	729	625	716	775	200	186	9.5
Owner Occupied	3,158	257	374	564	486	555	600	164	157	10.6
Nonowner Occupied	698	56	43	125	118	138	160	29	29	20.9
Unoccupied	170	Q	56	40	Q	23	Q	Q	Q	38.1
Government Owned	553	32	88	138	94	96	71	18	16	21.4
Space in Building Vacant for at Least Three Consecutive Months										
Yes	787	75	118	142	130	126	122	30	44	19.4
No	3,791	278	443	725	588	687	724	188	158	9.7
Predominant Exterior Wall Material										
Masonry	3,061	259	414	685	534	525	450	124	69	10.3
Siding or Shingles	639	86	98	99	84	74	126	Q	52	23.5
Metal Panels	662	Q	32	61	58	171	218	57	65	23.2
Concrete Panels	106	Q	Q	16	19	31	26	Q	2	35.3
Window Glass	46	Q	Q	Q	Q	Q	Q	Q	Q	67.2
Other	50	Q	Q	Q	Q	2	Q	Q	Q	55.0
No One Major Type	15	Q	Q	Q	Q	Q	Q	Q	Q	108.3
Predominant Roof Material										
Built-Up	1,369	79	190	315	267	259	188	44	26	15.7
Shingles (Not Wood)	1,486	145	203	285	226	248	265	60	55	14.7
Metal Surfacing	908	Q	56	87	97	193	271	82	103	20.1
Synthetic or Rubber	351	39	39	74	67	55	51	17	10	25.0
Slate or Tile	202	36	41	35	24	Q	34	Q	Q	36.0
Wooden Materials	152	Q	Q	Q	Q	Q	Q	Q	Q	50.8
Concrete	58	Q	Q	Q	Q	Q	Q	Q	Q	65.3
Other	36	Q	Q	Q	Q	Q	Q	Q	Q	88.5
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)										
Electricity	4,343	335	508	838	695	809	792	204	162	9.0
Natural Gas	2,478	256	353	528	403	444	357	92	46	11.3
Fuel Oil	607	70	81	142	120	60	98	13	Q	25.9
District Heat	110	22	20	13	23	Q	7	Q	Q	32.1
District Chilled Water	53	Q	Q	5	10	Q	7	Q	Q	48.2
Propane	589	Q	61	76	104	122	142	29	35	24.9
Other	213	Q	28	56	46	23	37	Q	Q	38.4
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,024	316	496	769	652	722	741	189	141	9.3
Buildings with Cooling	3,381	260	382	617	508	688	657	161	108	9.6
Buildings with Water Heating	3,486	287	429	656	562	632	667	145	108	10.1
Buildings with Cooking	828	77	100	129	147	142	168	42	23	17.2
Buildings with Manufacturing	204	Q	32	31	35	36	36	Q	Q	38.0
Buildings with Electricity Generation	247	8	21	75	37	34	53	10	9	26.4
Percent of Floorspace Heated										
Not Heated	554	Q	66	98	67	91	105	Q	Q	25.8
1 to 50	555	26	107	89	81	82	103	27	Q	25.0
51 to 99	633	59	98	137	123	81	96	27	12	22.8
100	2,836	231	291	543	448	559	542	135	88	10.5

See footnotes at end of table.

Table 10. Year Constructed, Number of Buildings, 1995 (Continued)

(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.4	1.1	0.9	0.9	0.8	0.8	1.4	1.8	
Percent of Floorspace										
Cooled										
Not Cooled	1,198	93	180	250	210	125	189	57	94	18.5
1 to 50	930	106	136	191	158	163	135	22	20	19.1
51 to 99	635	64	86	133	101	92	129	18	12	21.7
100	1,816	90	161	293	250	434	394	121	75	12.8
Percent Lit when Open										
Zero	36	Q	Q	Q	Q	Q	Q	Q	Q	88.4
1 to 50	666	65	120	130	95	92	102	23	37	21.4
51 to 99	745	77	120	136	132	142	109	Q	Q	21.3
100	2,814	186	241	538	458	559	565	154	112	11.1
Building Not in Use/ Electricity Not Used	318	Q	74	55	32	Q	62	Q	Q	32.9
Heating Equipment (more than one may apply)										
Heat Pumps	394	Q	24	79	37	93	104	37	15	26.6
Furnaces	1,676	151	258	332	267	258	325	45	40	15.1
Individual Space Heaters	1,188	72	134	250	231	212	201	55	32	18.1
District Heat	115	22	21	14	25	Q	8	Q	Q	31.3
Boilers	610	92	98	164	118	59	66	6	7	18.8
Packaged Heating Units	1,031	26	81	121	149	296	230	68	59	17.2
Other	161	Q	23	25	16	19	49	3	3	37.4
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	878	74	95	182	110	154	225	19	19	19.6
Heat Pumps	457	Q	33	79	38	121	116	50	15	25.3
Individual Air Conditioners	862	135	148	220	145	110	70	Q	Q	18.1
District Chilled Water	53	Q	Q	5	10	Q	7	Q	Q	48.2
Central Chillers	109	4	7	15	34	18	23	4	4	19.7
Packaged Air Conditioning Units	1,431	67	140	191	224	376	294	80	59	14.3
Swamp Coolers	186	Q	11	48	32	27	51	Q	Q	38.9
Other	18	Q	Q	Q	Q	Q	2	Q	Q	47.9
Lighting Equipment Types (more than one may apply)										
Incandescent	2,479	250	319	503	394	439	392	110	74	11.0
Standard Fluorescent	3,885	304	454	726	610	739	734	184	134	9.4
Compact Fluorescent	364	29	28	57	54	72	91	19	14	23.2
High-Intensity Discharge	393	28	37	75	72	67	65	18	29	21.8
Halogen	302	35	31	60	38	47	67	14	9	26.7
Other	30	Q	Q	Q	Q	Q	Q	Q	Q	95.4
Personal Computers and/or Computer Terminals										
None	2,039	157	293	373	371	293	336	106	110	13.0
1 to 4	1,408	122	185	304	158	276	275	42	48	15.3
5 to 9	437	37	17	60	79	131	49	44	19	25.1
10 to 19	344	24	33	66	47	51	96	Q	Q	29.0
20 to 49	198	7	22	37	31	36	54	4	6	22.0
50 to 99	81	Q	7	15	19	13	16	4	3	20.0
100 to 249	46	Q	3	9	9	8	11	2	Q	19.9
250 or More	26	Q	2	3	4	5	10	2	1	22.8

See footnotes at end of table.

Table 10. Year Constructed, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.4	1.1	0.9	0.9	0.8	0.8	1.4	1.8	
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	828	77	100	129	147	142	168	42	23	17.2
Computer Room	234	15	19	25	36	47	70	6	16	25.4
Activities with Large Amounts of Hot Water	243	10	16	40	79	43	44	7	3	30.8
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	3,380	220	325	632	527	673	688	176	138	10.1
Wall Insulation	2,372	112	196	373	321	476	603	165	125	11.3
Storm or Multiple Glazing	1,897	190	202	368	191	297	420	126	104	12.7
Tinted, Reflective or Shading Glass	1,202	49	102	197	140	256	328	84	46	15.4
Exterior or Interior Shading or Awnings	2,271	202	242	441	333	418	440	109	85	11.5
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	327	26	17	49	57	62	61	15	41	24.9
Economizer Cycle	461	14	44	66	67	112	101	27	30	20.7
HVAC Maintenance	2,403	169	275	443	395	416	519	105	82	11.1
Other Energy Efficient Equipment	198	6	20	Q	31	43	35	14	Q	26.7
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	749	65	68	133	126	144	127	34	52	19.3
Energy-Efficient Ballasts	1,363	105	135	227	199	241	300	92	65	15.3
Natural Lighting Control Sensors	237	32	5	40	51	36	50	Q	12	28.8
Occupancy Sensors	131	Q	17	42	18	18	15	7	5	31.5
Time Clock	467	37	22	96	91	87	101	17	17	24.8
Manual Dimmer Switches	501	46	73	76	61	81	115	27	21	21.2
Other	79	Q	Q	Q	5	25	25	Q	Q	39.0
Energy Conservation Features (more than one may apply)										
Any Conservation Features	4,075	314	468	788	636	745	757	203	164	9.1
Building Shell	3,906	296	443	751	590	725	748	196	158	9.3
HVAC	2,529	172	296	458	418	446	537	107	95	10.8
Lighting	2,084	173	213	390	344	346	421	118	79	12.2

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 11. Year Constructed, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.5	1.2	1.1	0.9	0.8	0.8	1.3	1.5	
All Buildings	58,772	3,673	6,710	9,298	10,858	11,333	12,252	2,590	2,059	7.1
Building Floorspace (Square Feet)										
1,001 to 5,000	6,338	442	855	1,180	889	1,245	1,087	316	324	13.9
5,001 to 10,000	7,530	756	981	1,710	1,132	1,186	1,102	368	296	18.1
10,001 to 25,000	11,617	957	1,241	1,942	2,163	2,071	2,809	251	184	16.4
25,001 to 50,000	7,676	407	595	1,260	1,650	1,337	1,701	378	349	12.9
50,001 to 100,000	7,968	386	750	1,293	1,453	1,453	1,816	410	407	14.6
100,001 to 200,000	6,776	340	934	660	1,643	1,250	1,306	406	Q	16.7
200,001 to 500,000	5,553	Q	604	889	869	1,430	1,223	211	137	19.5
Over 500,000	5,313	Q	750	364	1,060	1,360	1,208	250	127	21.9
Principal Building Activity										
Education	7,740	521	1,080	1,921	1,841	1,232	614	238	293	16.5
Food Sales	642	Q	Q	Q	Q	165	Q	Q	Q	33.2
Food Service	1,353	Q	Q	Q	192	285	305	Q	Q	31.3
Health Care	2,333	Q	Q	356	428	748	425	Q	Q	20.7
Lodging	3,618	Q	170	607	972	576	829	Q	Q	21.4
Mercantile and Service	12,728	816	1,118	1,895	2,342	2,749	2,727	632	449	15.8
Office	10,478	599	1,155	1,262	1,206	2,095	3,377	568	217	14.2
Public Assembly	3,948	381	706	498	821	736	399	221	Q	22.5
Public Order and Safety	1,271	Q	Q	Q	Q	254	Q	Q	Q	45.0
Religious Worship	2,792	266	Q	637	535	510	598	Q	Q	24.6
Warehouse and Storage	8,481	192	1,076	1,236	1,530	1,616	2,104	318	409	19.9
Other	1,004	Q	Q	Q	Q	Q	176	Q	Q	41.4
Vacant	2,384	326	734	363	337	245	337	Q	Q	27.3
Floors										
One	24,552	356	1,974	4,107	4,843	5,278	5,792	1,204	998	11.7
Two	14,122	704	1,416	2,740	2,844	2,663	2,587	590	577	12.7
Three	7,335	1,264	1,317	1,249	1,046	1,089	1,022	184	Q	18.4
Four to Nine	8,789	1,187	1,370	903	1,518	1,434	1,690	391	296	15.0
Ten or More	3,975	Q	634	299	607	869	1,161	222	Q	22.0
Census Region										
Northeast	11,883	1,226	1,794	1,944	2,344	1,658	2,128	443	347	15.8
Midwest	14,322	1,529	2,314	2,268	2,356	2,435	2,324	545	552	13.8
South	20,830	514	1,709	3,192	3,856	4,344	5,371	1,094	750	13.1
West	11,736	404	893	1,894	2,302	2,895	2,429	509	410	16.6
Workers (main shift)										
Fewer than 5	13,885	1,295	2,266	2,533	2,400	2,047	2,227	509	609	13.3
5 to 9	6,291	608	949	1,277	1,095	1,209	912	142	Q	18.6
10 to 19	7,102	490	647	1,300	1,179	1,607	1,393	277	209	17.8
20 to 49	9,132	414	1,077	1,655	1,634	1,374	2,125	430	423	14.2
50 to 99	6,931	266	595	951	1,648	1,392	1,446	245	388	15.4
100 to 249	5,988	360	497	768	1,275	1,056	1,389	472	172	16.7
250 or More	9,443	239	679	814	1,627	2,649	2,760	515	160	16.4
Weekly Operating Hours										
39 or Fewer	6,134	711	979	1,271	1,000	798	978	Q	Q	18.7
40 to 48	13,233	864	2,300	2,730	1,859	2,047	2,484	512	439	14.9
49 to 60	12,242	843	1,093	2,034	2,196	2,393	2,693	663	326	14.4
61 to 84	10,052	445	824	1,327	2,273	2,271	2,218	339	356	15.1
85 to 167	6,202	360	486	719	1,170	1,628	1,272	311	256	18.2
Open Continuously	10,908	449	1,028	1,217	2,360	2,197	2,607	546	504	13.8

See footnotes at end of table.

Table 11. Year Constructed, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.5	1.2	1.1	0.9	0.8	0.8	1.3	1.5	
Ownership and Occupancy										
Nongovernment Owned	46,696	3,021	5,039	6,662	8,084	9,143	10,977	2,170	1,602	8.2
Owner Occupied	35,573	2,615	3,885	5,207	6,341	6,794	7,731	1,661	1,338	9.0
Nonowner Occupied	9,697	342	622	1,247	1,496	2,195	3,042	493	260	17.0
Unoccupied	1,426	Q	531	207	Q	154	Q	Q	Q	35.3
Government Owned	12,076	652	1,671	2,636	2,774	2,190	1,275	420	457	12.7
Space in Building Vacant for at Least Three Consecutive Months										
Yes	15,844	1,016	1,986	1,863	2,697	3,334	3,881	608	459	12.6
No	42,928	2,657	4,724	7,435	8,161	7,999	8,371	1,982	1,600	7.9
Predominant Exterior Wall Material										
Masonry	42,958	3,198	5,652	7,722	8,590	7,290	7,604	1,759	1,145	8.3
Siding or Shingles	3,243	413	597	409	339	544	637	Q	226	26.1
Metal Panels	5,694	Q	285	557	743	1,659	1,809	335	305	20.9
Concrete Panels	4,069	Q	Q	382	752	1,219	1,123	262	197	19.3
Window Glass	1,755	Q	Q	Q	309	330	690	Q	Q	27.6
Other	660	Q	Q	Q	Q	174	206	Q	Q	31.7
No One Major Type	393	Q	Q	Q	Q	Q	Q	Q	Q	68.7
Predominant Roof Material										
Built-Up	24,481	934	2,916	4,104	5,357	5,555	4,454	654	507	11.4
Shingles (Not Wood)	11,093	1,139	1,414	2,036	1,853	1,831	2,084	429	306	13.2
Metal Surfacing	7,941	Q	452	933	1,063	1,665	2,408	594	601	18.1
Synthetic or Rubber	10,235	637	1,106	1,335	1,985	1,572	2,299	776	524	12.6
Slate or Tile	1,920	484	358	291	197	Q	293	Q	Q	23.2
Wooden Materials	1,130	Q	Q	Q	Q	Q	Q	Q	Q	47.2
Concrete	1,335	Q	Q	Q	159	233	496	Q	Q	43.3
Other	332	Q	Q	Q	Q	Q	Q	Q	Q	46.0
No One Major Type	305	Q	Q	Q	Q	Q	Q	Q	Q	60.4
Energy Sources (more than one may apply)										
Electricity	57,076	3,527	6,175	9,123	10,649	11,245	11,909	2,544	1,905	7.2
Natural Gas	38,145	2,643	4,560	6,470	7,170	7,375	7,181	1,659	1,087	8.5
Fuel Oil	14,421	1,085	1,241	1,997	2,871	2,936	3,112	607	572	12.1
District Heat	5,658	556	864	939	1,408	965	508	258	Q	18.4
District Chilled Water	2,521	Q	187	322	527	674	400	Q	Q	23.6
Propane	5,344	Q	414	634	1,136	1,130	1,256	228	398	21.5
Other	2,336	Q	381	422	483	353	331	Q	Q	28.0
Energy End Uses (more than one may apply)										
Buildings with Space Heating	54,347	3,429	5,951	8,701	10,024	10,489	11,462	2,467	1,824	7.3
Buildings with Cooling	49,935	2,818	5,038	7,549	8,978	10,389	11,174	2,345	1,644	7.6
Buildings with Water Heating	51,560	3,206	5,349	8,136	9,722	10,117	11,105	2,263	1,661	7.3
Buildings with Cooking	20,713	1,272	1,555	3,177	4,207	4,344	4,301	1,082	774	10.6
Buildings with Manufacturing	3,893	Q	622	502	524	649	998	Q	Q	23.9
Buildings with Electricity Generation	13,366	468	691	1,561	2,619	3,262	3,437	780	548	12.9
Percent of Floorspace Heated										
Not Heated	4,425	Q	759	597	833	844	790	Q	Q	27.7
1 to 50	6,227	275	1,306	849	1,037	1,089	1,336	159	Q	21.7
51 to 99	8,868	618	867	1,563	1,581	1,660	1,885	376	319	17.3
100	39,252	2,536	3,777	6,289	7,406	7,740	8,241	1,933	1,330	8.2

See footnotes at end of table.

Table 11. Year Constructed, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.5	1.2	1.1	0.9	0.8	0.8	1.3	1.5	
Percent of Floorspace										
Cooled										
Not Cooled	8,837	854	1,672	1,749	1,880	944	1,078	245	415	17.6
1 to 50	15,027	1,228	2,456	2,757	2,988	2,549	2,342	398	309	13.4
51 to 99	12,549	747	1,212	1,788	2,316	2,688	2,826	537	434	14.0
100	22,359	842	1,370	3,004	3,673	5,152	6,006	1,410	901	10.2
Percent Lit when Open										
Zero	189	Q	Q	Q	Q	Q	Q	Q	Q	62.5
1 to 50	6,008	598	1,327	1,211	990	664	890	161	168	18.4
51 to 99	9,692	755	1,493	1,478	1,481	2,103	1,790	328	264	16.0
100	40,514	2,116	3,193	6,207	8,084	8,333	9,083	2,031	1,467	8.5
Building Not in Use/ Electricity Not Used	2,369	Q	680	357	294	182	449	Q	Q	32.0
Heating Equipment (more than one may apply)										
Heat Pumps	5,843	Q	319	1,023	761	1,035	1,962	383	231	17.5
Furnaces	14,923	1,256	1,818	2,531	2,563	2,545	3,261	492	458	12.6
Individual Space Heaters	16,809	853	1,829	3,029	2,926	3,517	3,589	648	417	12.8
District Heat	5,911	591	877	975	1,509	1,000	550	258	Q	18.2
Boilers	16,754	1,404	2,185	3,144	3,982	2,735	2,418	433	453	11.2
Packaged Heating Units	16,893	294	1,123	2,050	3,031	4,133	4,307	1,105	851	11.8
Other	6,249	Q	498	561	952	1,639	1,727	303	252	19.9
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	9,238	729	766	1,716	1,423	1,851	2,208	325	219	14.0
Heat Pumps	6,931	Q	512	1,085	798	1,521	2,131	506	241	16.6
Individual Air Conditioners	12,494	1,389	2,122	2,713	2,732	1,847	1,384	156	Q	13.0
District Chilled Water	2,521	Q	187	322	527	674	400	Q	Q	23.6
Central Chillers	11,065	292	740	1,433	2,603	2,846	2,343	467	342	15.4
Packaged Air Conditioning Units	26,628	1,026	2,408	3,509	5,202	6,087	6,104	1,335	957	10.1
Swamp Coolers	2,451	Q	196	413	423	432	689	Q	Q	31.2
Other	949	Q	Q	Q	Q	Q	178	Q	Q	45.3
Lighting Equipment Types (more than one may apply)										
Incandescent	35,715	2,807	4,191	5,880	6,604	6,739	7,077	1,339	1,079	8.3
Standard Fluorescent	53,984	3,278	5,786	8,502	9,846	10,870	11,481	2,432	1,789	7.3
Compact Fluorescent	14,273	540	1,437	1,571	2,505	3,403	3,403	777	637	13.2
High-Intensity Discharge	16,259	597	1,615	2,334	2,942	3,473	3,538	943	816	11.9
Halogen	9,665	434	727	1,267	1,521	2,362	2,475	479	401	15.7
Other	554	Q	Q	Q	Q	Q	Q	Q	Q	89.6
Personal Computers and/or Computer Terminals										
None	12,571	997	2,062	2,210	2,637	1,702	1,942	544	476	14.0
1 to 4	11,401	954	1,650	2,262	1,651	2,201	2,088	271	323	14.8
5 to 9	5,372	345	258	861	1,102	1,240	980	385	201	18.8
10 to 19	5,947	471	498	901	959	1,014	1,617	290	Q	18.7
20 to 49	7,048	275	976	1,019	1,236	1,435	1,603	226	279	16.6
50 to 99	4,938	Q	394	607	1,077	974	1,149	247	234	17.0
100 to 249	5,189	Q	382	606	1,185	1,297	1,097	254	Q	18.1
250 or More	6,307	Q	490	832	1,010	1,470	1,776	372	134	17.4

See footnotes at end of table.

Table 11. Year Constructed, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed								RSE Row Factor
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1992	1993 to 1995	
RSE Column Factor:	0.4	1.5	1.2	1.1	0.9	0.8	0.8	1.3	1.5	
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	20,713	1,272	1,555	3,177	4,207	4,344	4,301	1,082	774	10.6
Computer Room	12,890	560	1,190	1,648	2,132	2,687	3,430	643	600	12.0
Activities with Large Amounts of Hot Water	6,753	332	346	864	1,618	1,514	1,626	261	192	16.5
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	46,355	2,435	3,801	7,382	8,387	9,678	10,589	2,339	1,745	7.8
Wall Insulation	31,694	1,326	1,944	4,133	4,829	6,740	9,116	2,098	1,508	9.3
Storm or Multiple Glazing	28,876	2,134	2,484	4,085	3,913	5,191	7,507	2,001	1,562	8.6
Tinted, Reflective or Shading Glass	24,245	806	1,513	2,922	3,757	5,540	6,964	1,651	1,093	9.6
Exterior or Interior Shading or Awnings	37,208	2,430	3,571	5,965	6,504	7,194	8,492	1,732	1,321	8.1
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	13,473	436	792	1,570	2,334	2,974	3,584	845	937	14.0
Economizer Cycle	16,550	371	1,391	1,932	3,214	3,812	4,014	1,024	792	11.1
HVAC Maintenance	43,134	2,242	4,034	6,678	8,368	8,232	9,901	2,105	1,574	8.0
Other Energy Efficient Equipment	6,453	236	574	819	1,011	1,518	1,523	321	450	15.5
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	17,868	952	1,602	2,156	3,213	4,009	4,031	922	984	11.5
Energy-Efficient Ballasts	28,375	1,363	2,667	4,106	5,151	5,849	6,334	1,590	1,315	9.7
Natural Lighting Control Sensors	6,431	251	305	788	1,040	1,671	1,584	373	420	17.6
Occupancy Sensors	5,958	Q	383	1,049	1,087	1,346	1,214	351	327	18.3
Time Clock	13,262	513	540	1,575	2,641	3,075	3,528	744	645	12.4
Manual Dimmer Switches	13,056	791	938	1,743	2,038	2,421	3,704	797	624	12.8
Other	2,836	Q	Q	638	428	601	752	Q	Q	24.9
Energy Conservation Features (more than one may apply)										
Any Conservation Features	55,288	3,470	5,582	8,806	10,188	10,978	11,791	2,533	1,939	7.1
Building Shell	53,190	3,275	5,232	8,561	9,591	10,572	11,607	2,483	1,868	7.1
HVAC	44,657	2,298	4,266	6,789	8,689	8,671	10,129	2,149	1,665	7.9
Lighting	38,537	2,328	3,495	5,683	7,246	7,639	8,564	2,023	1,558	8.2

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 12. Employment Size Category, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	Buildings by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
		0.8	1.3	1.3	1.1	1.1	1.0	1.1	
RSE Column Factor:	0.6	0.8	1.3	1.3	1.1	1.1	1.0	1.1	
All Buildings	4,579	2,505	798	625	400	138	71	43	7.6
Building Floorspace (Square Feet)									
1,001 to 5,000	2,399	1,703	421	198	62	Q	Q	Q	11.3
5,001 to 10,000	1,035	508	222	222	79	Q	Q	Q	13.7
10,001 to 25,000	745	260	128	159	150	33	8	Q	14.2
25,001 to 50,000	213	22	16	32	71	44	24	Q	11.2
50,001 to 100,000	115	7	9	9	31	30	20	9	13.4
100,001 to 200,000	48	3	Q	3	5	13	12	11	15.0
200,001 to 500,000	19	Q	Q	Q	1	2	5	9	15.6
Over 500,000	6	Q	Q	Q	Q	Q	1	4	16.9
Principal Building Activity									
Education	309	87	63	47	62	35	11	5	18.3
Food Sales	137	109	Q	Q	Q	Q	Q	Q	23.0
Food Service	285	131	59	61	32	Q	Q	Q	21.1
Health Care	105	Q	Q	Q	21	3	3	4	24.5
Lodging	158	98	17	12	19	8	3	2	22.8
Mercantile and Service	1,289	745	288	143	77	22	10	3	13.9
Office	705	193	168	162	103	33	28	18	14.0
Public Assembly	326	193	46	66	13	4	3	Q	22.7
Public Order and Safety	87	Q	Q	Q	14	Q	Q	Q	42.1
Religious Worship	269	204	28	14	Q	Q	Q	Q	24.7
Warehouse and Storage	580	410	62	56	31	15	5	1	21.7
Other	67	Q	Q	Q	Q	Q	2	Q	43.5
Vacant	261	241	Q	Q	Q	Q	Q	Q	20.1
Year Constructed									
1919 or Before	353	217	64	41	16	8	5	1	26.5
1920 to 1945	562	336	119	40	46	15	4	3	19.7
1946 to 1959	867	475	176	118	72	15	7	4	15.5
1960 to 1969	718	390	111	100	69	26	16	7	15.7
1970 to 1979	813	390	176	144	51	30	12	9	13.1
1980 to 1989	846	430	104	134	110	34	18	17	14.7
1990 to 1992	218	123	31	29	21	5	7	2	24.3
1993 to 1995	202	144	Q	18	15	5	2	1	32.1
Floors									
One	3,018	1,859	528	328	210	68	20	4	10.7
Two	1,002	432	152	238	114	38	17	Q	12.2
Three	399	176	102	49	38	18	12	5	17.7
Four to Nine	148	37	15	10	37	14	20	15	19.7
Ten or More	12	Q	Q	Q	Q	Q	2	8	20.4
Census Region									
Northeast	725	363	100	145	76	19	16	7	15.4
Midwest	1,139	678	218	102	91	24	17	8	14.0
South	1,750	987	297	223	152	54	20	17	12.6
West	964	477	182	155	81	41	18	10	16.8

See footnotes at end of table.

Table 12. Employment Size Category, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
		0.6	0.8	1.3	1.3	1.1	1.1	1.0	
RSE Column Factor:	0.6	0.8	1.3	1.3	1.1	1.1	1.0	1.1	
Weekly Operating Hours									
39 or Fewer	899	729	69	64	17	Q	Q	Q	20.4
40 to 48	1,257	598	278	193	134	36	14	5	13.4
49 to 60	969	426	249	152	82	35	17	8	13.2
61 to 84	567	249	97	105	75	20	15	7	15.6
85 to 167	420	225	55	67	45	17	8	4	18.8
Open Continuously	466	278	50	44	47	19	16	11	14.2
Ownership and Occupancy									
Nongovernment Owned	4,025	2,317	692	509	324	96	53	34	8.6
Owner Occupied	3,158	1,801	598	410	220	66	37	27	10.1
Nonowner Occupied	698	348	93	99	104	30	17	7	15.0
Unoccupied	170	168	Q	Q	Q	Q	Q	Q	25.0
Government Owned	553	188	106	115	76	42	18	9	14.9
Space in Building Vacant for at Least Three Consecutive Months									
Yes	787	516	72	87	50	27	22	14	13.4
No	3,791	1,988	726	538	350	111	49	29	8.8
Number of Establishments									
One	3,712	2,153	634	457	295	100	45	28	8.9
2 to 5	530	150	158	137	58	17	7	4	16.7
6 to 10	91	Q	Q	31	37	9	6	3	24.2
11 to 20	28	Q	Q	Q	6	10	7	3	17.6
More than 20	31	Q	Q	Q	Q	Q	6	6	23.2
Currently Unoccupied	187	183	Q	Q	Q	Q	Q	Q	23.2
Energy Sources (more than one may apply)									
Electricity	4,343	2,274	797	625	397	137	71	43	7.6
Natural Gas	2,478	1,155	538	358	261	90	50	25	8.6
Fuel Oil	607	324	79	94	52	21	19	18	15.8
District Heat	110	34	15	Q	16	17	8	9	25.3
District Chilled Water	53	Q	Q	Q	8	8	3	5	28.4
Propane	589	312	107	103	43	12	4	Q	21.6
Other	213	129	42	24	8	5	4	1	26.9
Energy End Uses (more than one may apply)									
Buildings with Space Heating	4,024	2,013	770	608	390	131	69	43	7.8
Buildings with Cooling	3,381	1,542	691	549	361	129	69	41	7.9
Buildings with Water Heating	3,486	1,587	705	580	377	127	69	42	8.1
Buildings with Cooking	828	283	150	163	135	52	24	20	11.2
Buildings with Manufacturing	204	100	27	21	41	8	5	2	25.2
Buildings with Electricity Generation	247	56	25	52	52	23	18	19	19.3
Percent of Floorspace Heated									
Not Heated	554	492	27	Q	Q	Q	Q	Q	19.2
1 to 50	555	376	88	57	27	5	Q	1	21.2
51 to 99	633	288	147	106	59	15	12	6	16.8
100	2,836	1,349	535	445	304	112	56	36	8.7

See footnotes at end of table.

Table 12. Employment Size Category, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
RSE Column Factor:	0.6	0.8	1.3	1.3	1.1	1.1	1.0	1.1	
Percent of Floorspace Cooled									
Not Cooled	1,198	962	107	76	39	9	Q	Q	21.5
1 to 50	930	454	199	146	84	31	13	4	14.9
51 to 99	635	240	169	89	78	29	18	12	13.9
100	1,816	849	323	314	198	69	38	25	10.4
Percent Lit when Open									
Zero	36	36	Q	Q	Q	Q	Q	Q	55.2
1 to 50	666	513	110	26	12	4	Q	Q	17.3
51 to 99	745	370	178	89	66	25	12	6	17.2
100	2,814	1,273	509	510	319	108	58	37	8.8
Building Not in Use/ Electricity Not Used	318	313	Q	Q	Q	Q	Q	Q	21.4
Heating Equipment (more than one may apply)									
Heat Pumps	394	150	72	78	64	14	12	5	18.9
Furnaces	1,676	914	346	239	128	29	10	Q	12.4
Individual Space Heaters	1,188	668	222	122	106	45	17	9	13.8
District Heat	115	34	16	Q	18	18	8	9	24.7
Boilers	610	229	86	121	84	43	30	17	13.5
Packaged Heating Units	1,031	376	230	188	144	57	27	9	11.7
Other	161	75	19	30	14	8	6	9	24.3
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	878	454	160	149	74	22	10	Q	15.5
Heat Pumps	457	187	81	82	71	17	14	5	18.3
Individual Air Conditioners	862	494	147	110	66	24	15	6	12.0
District Chilled Water	53	Q	Q	Q	8	8	3	5	28.4
Central Chillers	109	Q	Q	8	23	18	21	17	14.2
Packaged Air Conditioning Units	1,431	457	332	297	202	84	39	20	9.6
Swamp Coolers	186	95	25	37	19	4	4	2	32.7
Other	18	Q	Q	Q	Q	Q	Q	2	30.5
Lighting Equipment Types (more than one may apply)									
Incandescent	2,479	1,252	524	323	232	76	41	31	9.8
Standard Fluorescent	3,885	1,873	771	609	388	133	69	43	7.7
Compact Fluorescent	364	77	37	114	71	25	22	20	15.0
High-Intensity Discharge	393	115	57	83	76	28	21	14	13.9
Halogen	302	117	55	48	39	14	12	17	19.9
Other	30	Q	Q	Q	Q	Q	Q	Q	72.6
Personal Computers and/or Computer Terminals									
None	2,039	1,668	217	96	36	19	Q	Q	15.9
1 to 4	1,408	755	367	196	72	8	Q	Q	12.9
5 to 9	437	47	150	139	85	11	5	Q	21.2
10 to 19	344	Q	54	168	77	21	5	Q	19.2
20 to 49	198	Q	Q	24	103	36	11	3	15.9
50 to 99	81	Q	Q	Q	23	31	19	4	16.9
100 to 249	46	Q	Q	Q	4	9	21	8	14.2
250 or More	26	Q	Q	Q	Q	Q	5	19	15.6

See footnotes at end of table.

Table 12. Employment Size Category, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
RSE Column Factor:	0.6	0.8	1.3	1.3	1.1	1.1	1.0	1.1	
Lighting Conservation Features (more than one may apply)									
Specular Reflectors	749	328	112	124	103	38	26	18	12.4
Energy-Efficient Ballasts	1,363	508	274	241	191	68	46	34	11.3
Natural Lighting Control									
Sensors	237	91	46	46	30	10	8	5	21.0
Occupancy Sensors	131	40	19	28	19	9	9	8	22.8
Time Clock	467	153	78	96	71	33	20	16	17.0
Manual Dimmer Switches	501	219	83	77	62	26	18	16	15.4
Other	79	Q	Q	Q	9	8	5	3	25.2
Off-Hour Equipment Reduction (more than one may apply)									
Heating	3,211	1,590	640	527	279	98	47	29	9.1
Cooling	2,707	1,219	570	480	265	98	48	28	9.3
Lighting	3,753	1,890	735	573	351	118	55	32	8.6

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 13. Employment Size Category, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
RSE Column Factor:	0.5	1.1	1.4	1.2	1.0	1.1	1.1	1.0	
All Buildings	58,772	13,885	6,291	7,102	9,132	6,931	5,988	9,443	6.2
Building Floorspace (Square Feet)									
1,001 to 5,000	6,338	4,184	1,202	695	225	Q	Q	Q	11.4
5,001 to 10,000	7,530	3,636	1,608	1,637	615	Q	Q	Q	13.8
10,001 to 25,000	11,617	3,806	2,090	2,399	2,513	567	155	Q	13.3
25,001 to 50,000	7,676	770	529	1,099	2,620	1,644	913	Q	11.3
50,001 to 100,000	7,968	518	567	557	2,087	2,108	1,472	658	13.2
100,001 to 200,000	6,776	415	Q	480	736	1,738	1,628	1,644	15.6
200,001 to 500,000	5,553	Q	Q	Q	204	587	1,394	2,858	16.8
Over 500,000	5,313	Q	Q	Q	Q	Q	409	4,096	18.3
Principal Building Activity									
Education	7,740	432	660	760	2,132	1,753	1,344	661	15.5
Food Sales	642	300	Q	Q	Q	Q	Q	Q	20.0
Food Service	1,353	370	290	420	208	Q	Q	Q	23.3
Health Care	2,333	Q	Q	Q	311	132	253	1,326	20.1
Lodging	3,618	809	390	341	677	672	332	398	19.9
Mercantile and Service	12,728	3,197	1,936	1,595	1,774	1,318	1,046	1,862	13.3
Office	10,478	525	797	1,024	1,406	1,153	1,639	3,934	13.1
Public Assembly	3,948	1,303	394	740	520	436	311	Q	19.9
Public Order and Safety	1,271	Q	Q	Q	311	Q	Q	Q	36.9
Religious Worship	2,792	1,820	415	235	Q	Q	Q	Q	19.1
Warehouse and Storage	8,481	2,740	964	1,413	1,298	994	613	459	17.9
Other	1,004	Q	Q	Q	Q	Q	174	Q	39.1
Vacant	2,384	2,038	Q	Q	Q	Q	Q	Q	22.0
Year Constructed									
1919 or Before	3,673	1,295	608	490	414	266	360	239	22.9
1920 to 1945	6,710	2,266	949	647	1,077	595	497	679	18.0
1946 to 1959	9,298	2,533	1,277	1,300	1,655	951	768	814	15.2
1960 to 1969	10,858	2,400	1,095	1,179	1,634	1,648	1,275	1,627	12.7
1970 to 1979	11,333	2,047	1,209	1,607	1,374	1,392	1,056	2,649	11.0
1980 to 1989	12,252	2,227	912	1,393	2,125	1,446	1,389	2,760	12.0
1990 to 1992	2,590	509	142	277	430	245	472	515	19.2
1993 to 1995	2,059	609	Q	209	423	388	172	160	22.1
Floors									
One	24,552	8,500	3,429	3,466	4,080	2,643	1,572	863	9.5
Two	14,122	3,134	1,286	2,521	2,551	1,877	1,359	1,394	11.8
Three	7,335	1,450	1,109	783	1,314	1,072	873	735	15.3
Four to Nine	8,789	624	452	328	1,142	1,221	1,907	3,115	14.8
Ten or More	3,975	Q	Q	Q	Q	Q	278	3,336	18.0
Census Region									
Northeast	11,883	2,430	1,057	1,317	1,807	1,264	1,429	2,577	14.8
Midwest	14,322	3,584	1,764	1,511	2,390	1,504	1,579	1,990	11.2
South	20,830	5,345	2,082	2,701	3,212	2,733	1,755	3,001	9.9
West	11,736	2,526	1,387	1,572	1,723	1,430	1,224	1,875	13.8

See footnotes at end of table.

Table 13. Employment Size Category, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
RSE Column Factor:	0.5	1.1	1.4	1.2	1.0	1.1	1.1	1.0	
Weekly Operating Hours									
39 or Fewer	6,134	4,539	357	513	360	Q	Q	Q	18.7
40 to 48	13,233	3,185	2,255	2,221	2,504	1,530	879	659	12.5
49 to 60	12,242	2,288	1,678	1,752	2,006	1,633	1,208	1,678	11.9
61 to 84	10,052	1,241	903	1,163	1,736	1,174	1,462	2,373	14.2
85 to 167	6,202	1,136	387	705	1,100	1,066	939	868	16.5
Open Continuously	10,908	1,496	711	748	1,426	1,352	1,438	3,738	11.5
Ownership and Occupancy									
Nongovernment Owned	46,696	12,588	5,466	5,932	6,735	4,604	4,208	7,164	7.1
Owner Occupied	35,573	9,406	4,739	4,545	4,667	3,145	2,945	6,126	7.9
Nonowner Occupied	9,697	1,807	722	1,383	2,068	1,459	1,263	996	14.5
Unoccupied	1,426	1,375	Q	Q	Q	Q	Q	Q	30.9
Government Owned	12,076	1,298	825	1,170	2,397	2,327	1,780	2,279	11.8
Space in Building Vacant for at Least Three Consecutive Months									
Yes	15,844	3,872	824	1,316	1,635	1,433	1,977	4,787	12.6
No	42,928	10,013	5,467	5,785	7,497	5,498	4,011	4,657	6.8
Number of Establishments									
One	41,057	11,190	5,038	5,282	6,649	4,824	3,722	4,351	6.9
2 to 5	7,325	1,022	1,157	1,354	1,389	962	591	850	15.6
6 to 10	2,672	Q	Q	456	812	453	458	435	22.4
11 to 20	2,228	Q	Q	Q	214	544	652	735	18.1
More than 20	3,943	Q	Q	Q	Q	Q	565	3,030	16.7
Currently Unoccupied	1,548	1,473	Q	Q	Q	Q	Q	Q	29.5
Energy Sources (more than one may apply)									
Electricity	57,076	12,342	6,270	7,102	9,103	6,860	5,975	9,425	6.1
Natural Gas	38,145	6,581	4,482	4,696	6,627	4,762	4,286	6,712	7.3
Fuel Oil	14,421	1,674	791	872	1,436	1,652	2,210	5,787	12.9
District Heat	5,658	423	303	258	617	713	886	2,458	17.7
District Chilled Water	2,521	Q	Q	Q	250	366	356	1,172	20.0
Propane	5,344	1,510	702	877	780	654	435	387	20.8
Other	2,336	586	257	269	269	399	318	237	27.5
Energy End Uses (more than one may apply)									
Buildings with Space Heating	54,347	10,663	6,086	6,905	8,899	6,642	5,880	9,272	6.3
Buildings with Cooling	49,935	8,324	5,260	6,449	8,302	6,379	5,872	9,349	6.4
Buildings with Water Heating	51,560	8,772	5,610	6,566	8,763	6,622	5,903	9,324	6.4
Buildings with Cooking	20,713	1,609	1,272	1,686	3,515	3,362	2,825	6,444	10.0
Buildings with Manufacturing	3,893	608	288	457	884	528	515	612	22.2
Buildings with Electricity Generation	13,366	566	294	594	1,594	1,787	2,061	6,471	13.9
Percent of Floorspace Heated									
Not Heated	4,425	3,223	205	196	Q	Q	Q	Q	22.2
1 to 50	6,227	2,318	898	1,180	830	404	Q	405	19.5
51 to 99	8,868	1,647	1,212	1,065	1,236	728	995	1,985	15.2
100	39,252	6,697	3,976	4,660	6,833	5,510	4,694	6,882	6.7

See footnotes at end of table.

Table 13. Employment Size Category, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
RSE Column Factor:	0.5	1.1	1.4	1.2	1.0	1.1	1.1	1.0	
Percent of Floorspace Cooled									
Not Cooled	8,837	5,562	1,031	652	830	552	Q	Q	17.1
1 to 50	15,027	3,149	2,136	2,596	2,727	1,752	1,672	994	12.4
51 to 99	12,549	1,106	1,110	965	1,939	1,852	1,453	4,125	12.0
100	22,359	4,069	2,014	2,889	3,636	2,775	2,746	4,230	8.5
Percent Lit when Open									
Zero	189	183	Q	Q	Q	Q	Q	Q	38.5
1 to 50	6,008	3,461	1,093	698	414	229	Q	Q	14.9
51 to 99	9,692	1,718	1,443	1,058	1,669	1,260	1,130	1,413	13.8
100	40,514	6,308	3,727	5,345	7,020	5,370	4,784	7,960	6.8
Building Not in Use/ Electricity Not Used	2,369	2,216	Q	Q	Q	Q	Q	Q	23.6
Heating Equipment (more than one may apply)									
Heat Pumps	5,843	807	381	831	1,108	689	969	1,058	14.9
Furnaces	14,923	4,496	2,397	2,557	2,280	1,504	778	911	11.9
Individual Space Heaters	16,809	3,629	2,072	1,666	2,463	2,209	1,583	3,186	12.0
District Heat	5,911	427	319	285	673	784	902	2,520	17.9
Boilers	16,754	1,692	1,044	1,560	2,856	2,733	2,866	4,003	10.2
Packaged Heating Units	16,893	1,988	1,733	2,185	3,529	2,695	2,219	2,545	9.9
Other	6,249	513	368	463	505	646	626	3,128	21.0
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	9,238	2,076	1,123	1,488	1,575	917	707	1,351	12.8
Heat Pumps	6,931	980	529	860	1,271	879	1,065	1,347	14.9
Individual Air Conditioners	12,494	2,628	1,109	1,580	1,988	1,643	1,535	2,011	11.4
District Chilled Water	2,521	Q	Q	Q	250	366	356	1,172	20.0
Central Chillers	11,065	280	Q	298	1,075	1,505	2,054	5,684	14.2
Packaged Air Conditioning Units	26,628	2,807	2,808	3,458	4,720	4,239	3,360	5,237	8.4
Swamp Coolers	2,451	523	161	394	352	248	424	350	28.7
Other	949	Q	Q	Q	Q	Q	Q	405	30.9
Lighting Equipment Types (more than one may apply)									
Incandescent	35,715	7,242	3,969	3,552	5,524	4,203	3,880	7,345	7.4
Standard Fluorescent	53,984	10,102	6,041	6,990	8,910	6,624	5,909	9,409	6.2
Compact Fluorescent	14,273	688	424	1,286	1,997	1,740	2,017	6,121	12.3
High-Intensity Discharge	16,259	1,155	762	1,464	2,648	2,516	2,735	4,980	11.8
Halogen	9,665	784	438	489	1,319	1,389	1,244	4,001	14.7
Other	554	Q	Q	Q	Q	Q	Q	Q	78.3
Personal Computers and/or Computer Terminals									
None	12,571	8,966	1,576	977	523	400	Q	Q	15.5
1 to 4	11,401	4,251	3,116	2,295	1,143	360	Q	Q	12.5
5 to 9	5,372	325	999	1,653	1,706	469	210	Q	18.2
10 to 19	5,947	Q	375	1,644	2,101	1,149	466	Q	15.3
20 to 49	7,048	Q	Q	415	2,661	2,085	1,083	523	13.6
50 to 99	4,938	Q	Q	Q	721	1,575	1,506	921	14.5
100 to 249	5,189	Q	Q	Q	266	704	1,964	2,189	15.0
250 or More	6,307	Q	Q	Q	Q	Q	598	5,458	13.3

See footnotes at end of table.

Table 13. Employment Size Category, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers	
RSE Column Factor:	0.5	1.1	1.4	1.2	1.0	1.1	1.1	1.0	
Lighting Conservation Features (more than one may apply)									
Specular Reflectors	17,868	1,958	940	1,870	2,563	2,559	2,469	5,509	10.2
Energy-Efficient Ballasts	28,375	2,759	2,360	2,810	4,564	3,898	4,172	7,812	8.1
Natural Lighting Control									
Sensors	6,431	683	441	583	768	791	778	2,388	17.3
Occupancy Sensors	5,958	429	273	366	600	816	826	2,647	20.4
Time Clock	13,262	1,075	644	1,015	1,679	1,978	1,820	5,053	12.1
Manual Dimmer Switches	13,056	1,699	830	890	1,708	1,621	1,688	4,620	11.9
Other	2,836	Q	Q	Q	441	453	568	975	19.9
Off-Hour Equipment Reduction (more than one may apply)									
Heating	38,326	8,134	4,759	5,562	6,343	4,582	3,893	5,054	7.5
Cooling	35,605	6,484	4,270	5,250	6,013	4,316	3,971	5,301	7.7
Lighting	44,937	9,874	5,472	6,277	7,631	5,493	4,499	5,690	7.1

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

Notes: • To obtain 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 14. Weekly Operating Hours, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings (thousand)	Buildings by Weekly Operating Hours						RSE Row Factor
		39 or Fewer Hours	40 to 48 Hours	49 to 60 Hours	61 to 84 Hours	85 to 167 Hours	Open Continuously	
RSE Column Factor:	0.5	1.3	0.9	1.0	1.2	1.3	1.1	
All Buildings	4,579	899	1,257	969	567	420	466	7.3
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	565	665	475	241	240	212	10.2
5,001 to 10,000	1,035	219	282	232	139	67	95	15.8
10,001 to 25,000	745	90	214	164	121	67	88	15.0
25,001 to 50,000	213	16	55	59	32	20	30	10.4
50,001 to 100,000	115	6	26	27	19	14	21	11.7
100,001 to 200,000	48	Q	10	8	9	9	10	13.2
200,001 to 500,000	19	Q	2	3	4	2	7	15.2
Over 500,000	6	Q	Q	1	2	*	3	17.8
Principal Building Activity								
Education	309	51	127	72	42	11	Q	17.4
Food Sales	137	Q	Q	Q	Q	76	Q	20.8
Food Service	285	Q	Q	Q	101	113	Q	17.8
Health Care	105	Q	42	20	Q	Q	25	32.7
Lodging	158	Q	Q	Q	Q	Q	138	16.9
Mercantile and Service	1,289	118	343	443	219	109	58	15.1
Office	705	64	404	165	32	7	34	18.3
Public Assembly	326	124	35	53	53	51	Q	25.3
Public Order and Safety	87	Q	5	Q	Q	Q	33	30.6
Religious Worship	269	157	36	30	12	Q	Q	24.6
Warehouse and Storage	580	128	177	134	32	37	71	22.6
Other	67	Q	Q	14	Q	Q	Q	51.5
Vacant	261	199	33	Q	Q	Q	Q	23.6
Year Constructed								
1919 or Before	353	82	110	75	40	15	31	26.6
1920 to 1945	562	125	184	100	65	49	39	20.1
1946 to 1959	867	194	256	185	126	42	65	16.4
1960 to 1969	718	147	165	149	115	63	79	16.0
1970 to 1979	813	109	194	214	99	116	81	15.2
1980 to 1989	846	155	239	173	74	85	119	15.1
1990 to 1992	218	Q	63	42	24	31	17	30.8
1993 to 1995	202	Q	46	32	24	19	36	34.6
Census Region								
Northeast	725	108	172	188	92	81	83	19.3
Midwest	1,139	256	334	197	148	98	106	15.8
South	1,750	361	484	401	170	160	172	10.7
West	964	174	266	183	157	81	105	17.1
Workers (main shift)								
Fewer than 5	2,505	729	598	426	249	225	278	10.5
5 to 9	798	69	278	249	97	55	50	16.9
10 to 19	625	64	193	152	105	67	44	18.6
20 to 49	400	17	134	82	75	45	47	17.9
50 to 99	138	Q	36	35	20	17	19	15.0
100 to 249	71	Q	14	17	15	8	16	14.7
250 or More	43	Q	5	8	7	4	11	16.5

See footnotes at end of table.

Table 14. Weekly Operating Hours, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings (thousand)	Buildings by Weekly Operating Hours						RSE Row Factor
		39 or Fewer Hours	40 to 48 Hours	49 to 60 Hours	61 to 84 Hours	85 to 167 Hours	Open Continuously	
RSE Column Factor:	0.5	1.3	0.9	1.0	1.2	1.3	1.1	
Ownership and Occupancy								
Nongovernment Owned	4,025	784	1,051	888	515	397	390	7.7
Owner Occupied	3,158	576	844	713	382	298	345	8.8
Nonowner Occupied	698	54	205	175	128	99	38	19.3
Unoccupied	170	154	Q	Q	Q	Q	Q	21.6
Government Owned	553	116	205	81	52	23	76	17.7
Energy Sources (more than one may apply)								
Electricity	4,343	746	1,254	950	566	407	421	7.2
Natural Gas	2,478	343	718	596	365	216	239	9.3
Fuel Oil	607	116	162	138	68	44	80	21.2
District Heat	110	Q	23	23	12	11	32	32.0
District Chilled Water	53	Q	Q	11	8	7	Q	40.2
Propane	589	121	157	89	73	75	73	21.6
Other	213	Q	47	78	19	21	16	34.7
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	620	1,207	907	541	366	385	7.4
Buildings with Cooling	3,381	399	1,047	795	446	344	350	7.7
Buildings with Water Heating	3,486	466	1,035	742	494	375	375	8.0
Buildings with Cooking	828	92	144	104	180	212	96	13.0
Buildings with Manufacturing	204	Q	97	49	21	9	8	31.4
Buildings with Electricity Generation	247	Q	60	31	29	14	84	22.6
Percent of Floorspace Heated								
Not Heated	554	280	50	63	26	54	81	24.2
1 to 50	555	127	193	151	43	22	20	22.0
51 to 99	633	50	171	167	110	64	71	19.1
100	2,836	444	843	588	388	279	294	8.7
Percent of Floorspace Cooled								
Not Cooled	1,198	501	210	175	121	76	116	18.0
1 to 50	930	128	300	292	106	43	60	16.4
51 to 99	635	61	142	186	86	79	80	16.6
100	1,816	209	604	316	254	222	210	10.2
Percent Lit when Open								
Zero	36	Q	Q	Q	Q	Q	Q	72.3
1 to 50	666	122	203	143	101	20	77	17.6
51 to 99	745	100	258	167	94	68	58	17.4
100	2,814	439	779	635	364	312	285	9.3
Building Not in Use/ Electricity Not Used	318	236	Q	Q	Q	Q	45	21.0
Heating Equipment (more than one may apply)								
Heat Pumps	394	42	162	78	44	24	44	22.0
Furnaces	1,676	283	488	360	267	165	113	12.4
Individual Space Heaters	1,188	235	349	303	135	70	96	14.5
District Heat	115	Q	24	23	13	12	33	30.6
Boilers	610	74	167	145	71	39	113	17.9
Packaged Heating Units	1,031	109	324	230	139	122	107	13.0
Other	161	Q	50	48	24	12	11	32.4

See footnotes at end of table.

Table 14. Weekly Operating Hours, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings (thousand)	Buildings by Weekly Operating Hours						RSE Row Factor
		39 or Fewer Hours	40 to 48 Hours	49 to 60 Hours	61 to 84 Hours	85 to 167 Hours	Open Continuously	
RSE Column Factor:	0.5	1.3	0.9	1.0	1.2	1.3	1.1	
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	878	109	281	178	127	99	83	14.8
Heat Pumps	457	55	180	87	51	25	59	20.4
Individual Air Conditioners	862	111	224	238	102	72	115	15.5
District Chilled Water	53	Q	Q	11	8	7	Q	40.2
Central Chillers	109	Q	22	19	18	10	30	15.0
Packaged Air Conditioning Units	1,431	127	443	331	181	196	152	11.4
Swamp Coolers	186	Q	43	47	48	Q	14	35.0
Other	18	Q	Q	9	Q	Q	2	37.6
Lighting Equipment Types (more than one may apply)								
Incandescent	2,479	424	699	523	333	214	287	9.0
Standard Fluorescent	3,885	506	1,188	890	533	392	376	7.6
Compact Fluorescent	364	10	72	84	71	63	64	20.5
High-Intensity Discharge	393	27	121	91	62	39	52	19.4
Halogen	302	25	78	61	45	39	54	24.4
Other	30	Q	Q	Q	Q	Q	Q	78.0
Off-Hour Equipment Reduction (more than one may apply)								
Heating	3,211	517	1,093	824	474	303	--	7.8
Cooling	2,707	345	954	725	396	286	--	8.1
Lighting	3,753	654	1,229	924	555	391	--	7.6

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

-- = Data not applicable.

* = 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 15. Weekly Operating Hours, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Weekly Operating Hours						RSE Row Factor
		39 or Fewer Hours	40 to 48 Hours	49 to 60 Hours	61 to 84 Hours	85 to 167 Hours	Open Continuously	
RSE Column Factor:	0.5	1.4	1.1	1.0	1.1	1.3	0.9	
All Buildings	58,772	6,134	13,233	12,242	10,052	6,202	10,908	6.1
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	1,544	1,701	1,264	653	618	559	10.5
5,001 to 10,000	7,530	1,619	2,033	1,707	1,020	503	647	15.8
10,001 to 25,000	11,617	1,354	3,382	2,562	1,873	1,024	1,422	14.2
25,001 to 50,000	7,676	576	1,981	2,103	1,182	749	1,085	10.7
50,001 to 100,000	7,968	426	1,776	1,897	1,354	988	1,527	11.5
100,001 to 200,000	6,776	Q	1,439	1,181	1,325	1,183	1,453	13.8
200,001 to 500,000	5,553	Q	705	905	1,011	743	2,035	15.7
Over 500,000	5,313	Q	Q	623	1,634	393	2,182	18.8
Principal Building Activity								
Education	7,740	589	2,337	1,862	1,678	994	280	13.8
Food Sales	642	Q	Q	Q	Q	370	Q	18.4
Food Service	1,353	Q	Q	Q	491	509	Q	21.4
Health Care	2,333	Q	266	198	Q	Q	1,731	17.7
Lodging	3,618	Q	Q	Q	Q	Q	3,339	13.7
Mercantile and Service	12,728	361	2,102	3,404	4,092	1,848	922	14.5
Office	10,478	226	3,536	3,309	1,481	423	1,502	12.5
Public Assembly	3,948	693	441	453	790	1,113	457	19.2
Public Order and Safety	1,271	Q	156	Q	Q	Q	643	26.1
Religious Worship	2,792	1,249	589	467	223	Q	Q	20.5
Warehouse and Storage	8,481	782	3,242	1,930	671	596	1,260	16.5
Other	1,004	Q	Q	250	Q	Q	229	36.2
Vacant	2,384	1,805	266	Q	Q	Q	Q	21.7
Year Constructed								
1919 or Before	3,673	711	864	843	445	360	449	21.7
1920 to 1945	6,710	979	2,300	1,093	824	486	1,028	18.3
1946 to 1959	9,298	1,271	2,730	2,034	1,327	719	1,217	13.9
1960 to 1969	10,858	1,000	1,859	2,196	2,273	1,170	2,360	12.7
1970 to 1979	11,333	798	2,047	2,393	2,271	1,628	2,197	11.5
1980 to 1989	12,252	978	2,484	2,693	2,218	1,272	2,607	11.4
1990 to 1992	2,590	Q	512	663	339	311	546	18.6
1993 to 1995	2,059	Q	439	326	356	256	504	21.0
Census Region								
Northeast	11,883	1,119	2,168	2,482	2,111	1,411	2,592	14.1
Midwest	14,322	1,601	3,520	2,378	2,626	1,633	2,564	10.9
South	20,830	2,311	4,912	4,786	3,276	1,804	3,740	9.0
West	11,736	1,103	2,633	2,596	2,040	1,353	2,012	13.1
Workers (main shift)								
Fewer than 5	13,885	4,539	3,185	2,288	1,241	1,136	1,496	12.3
5 to 9	6,291	357	2,255	1,678	903	387	711	16.0
10 to 19	7,102	513	2,221	1,752	1,163	705	748	15.2
20 to 49	9,132	360	2,504	2,006	1,736	1,100	1,426	13.3
50 to 99	6,931	Q	1,530	1,633	1,174	1,066	1,352	12.5
100 to 249	5,988	Q	879	1,208	1,462	939	1,438	13.6
250 or More	9,443	Q	659	1,678	2,373	868	3,738	14.0

See footnotes at end of table.

Table 15. Weekly Operating Hours, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Weekly Operating Hours						RSE Row Factor
		39 or Fewer Hours	40 to 48 Hours	49 to 60 Hours	61 to 84 Hours	85 to 167 Hours	Open Continuously	
RSE Column Factor:	0.5	1.4	1.1	1.0	1.1	1.3	0.9	
Ownership and Occupancy								
Nongovernment Owned	46,696	5,051	10,034	10,106	8,116	4,925	8,465	6.5
Owner Occupied	35,573	3,373	7,677	7,388	6,087	3,508	7,539	7.2
Nonowner Occupied	9,697	359	2,331	2,695	2,019	1,416	877	13.8
Unoccupied	1,426	1,319	Q	Q	Q	Q	Q	26.7
Government Owned	12,076	1,084	3,199	2,136	1,937	1,277	2,443	11.6
Energy Sources (more than one may apply)								
Electricity	57,076	4,932	13,142	12,134	10,021	6,159	10,688	6.0
Natural Gas	38,145	2,657	8,541	8,002	7,048	3,966	7,931	7.4
Fuel Oil	14,421	710	1,953	2,790	2,785	1,502	4,682	11.8
District Heat	5,658	Q	762	970	628	840	2,320	17.5
District Chilled Water	2,521	Q	350	409	381	395	919	22.6
Propane	5,344	644	1,279	931	944	627	919	18.9
Other	2,336	Q	552	724	226	322	327	23.0
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	4,032	12,672	11,658	9,635	5,880	10,469	6.3
Buildings with Cooling	49,935	2,845	11,401	10,897	9,212	5,644	9,936	6.5
Buildings with Water Heating	51,560	3,290	11,585	10,765	9,535	5,928	10,457	6.5
Buildings with Cooking	20,713	872	2,806	3,379	5,017	3,064	5,575	8.7
Buildings with Manufacturing	3,893	Q	1,237	922	592	301	671	19.8
Buildings with Electricity Generation	13,366	271	1,578	2,041	2,764	1,374	5,338	12.8
Percent of Floorspace Heated								
Not Heated	4,425	2,102	561	584	417	322	439	24.6
1 to 50	6,227	683	2,452	1,454	692	389	558	18.6
51 to 99	8,868	351	1,714	2,163	1,822	888	1,931	15.3
100	39,252	2,999	8,506	8,041	7,122	4,604	7,980	6.8
Percent of Floorspace Cooled								
Not Cooled	8,837	3,289	1,832	1,345	840	558	973	15.8
1 to 50	15,027	990	4,714	3,925	2,143	1,298	1,958	12.3
51 to 99	12,549	421	1,931	2,775	2,812	1,363	3,246	12.1
100	22,359	1,434	4,756	4,197	4,258	2,983	4,732	8.6
Percent Lit when Open								
Zero	189	Q	Q	Q	Q	Q	Q	52.6
1 to 50	6,008	890	1,827	1,523	752	332	684	16.5
51 to 99	9,692	642	2,734	1,934	1,733	1,068	1,580	13.0
100	40,514	2,692	8,507	8,654	7,507	4,730	8,424	7.2
Building Not in Use/ Electricity Not Used	2,369	1,875	Q	Q	Q	Q	220	22.4
Heating Equipment (more than one may apply)								
Heat Pumps	5,843	201	1,568	1,121	1,161	322	1,470	14.3
Furnaces	14,923	1,776	3,844	3,381	2,359	1,409	2,155	10.9
Individual Space Heaters	16,809	1,357	4,025	3,622	2,975	1,522	3,307	11.2
District Heat	5,911	Q	792	996	676	908	2,399	17.5
Boilers	16,754	919	3,304	3,566	3,078	1,757	4,130	9.5
Packaged Heating Units	16,893	682	3,815	3,369	3,280	2,386	3,360	9.1
Other	6,249	Q	762	1,342	1,536	684	1,765	18.0

See footnotes at end of table.

Table 15. Weekly Operating Hours, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Weekly Operating Hours						RSE Row Factor
		39 or Fewer Hours	40 to 48 Hours	49 to 60 Hours	61 to 84 Hours	85 to 167 Hours	Open Continuously	
RSE Column Factor:	0.5	1.4	1.1	1.0	1.1	1.3	0.9	
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	9,238	761	2,294	1,916	1,460	819	1,988	12.2
Heat Pumps	6,931	270	1,782	1,392	1,291	442	1,754	13.8
Individual Air Conditioners	12,494	683	2,578	2,781	1,868	1,157	3,427	11.7
District Chilled Water	2,521	Q	350	409	381	395	919	22.6
Central Chillers	11,065	276	1,349	1,969	2,399	1,199	3,873	12.9
Packaged Air Conditioning Units	26,628	1,000	5,760	5,679	5,127	3,644	5,418	8.4
Swamp Coolers	2,451	Q	501	488	374	259	655	27.6
Other	949	Q	Q	299	Q	Q	285	34.0
Lighting Equipment Types (more than one may apply)								
Incandescent	35,715	2,795	7,377	7,053	6,664	3,776	8,049	7.2
Standard Fluorescent	53,984	3,358	12,651	11,712	9,851	6,081	10,332	6.3
Compact Fluorescent	14,273	171	1,650	2,764	3,516	1,709	4,464	12.3
High-Intensity Discharge	16,259	432	2,961	3,000	3,521	2,052	4,293	11.2
Halogen	9,665	280	1,216	1,597	2,546	1,200	2,827	14.7
Other	554	Q	Q	Q	Q	Q	Q	75.4
Off-Hour Equipment Reduction (more than one may apply)								
Heating	38,326	3,340	11,083	10,592	8,293	5,017	--	6.9
Cooling	35,605	2,448	10,156	10,068	8,063	4,871	--	7.0
Lighting	44,937	4,123	12,953	11,939	9,951	5,970	--	6.3

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

-- = Data not applicable.

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 16. Occupancy of Nongovernment-Owned and Government-Owned Buildings,
Number of Buildings, 1995**
(Thousand)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	1.7	0.9	2.2	1.7	1.2	
All Buildings	4,579	4,025	3,158	698	170	553	76	99	379	9.2
Building Floorspace (Square Feet)										
1,001 to 5,000	2,399	2,176	1,746	325	105	223	Q	Q	152	12.2
5,001 to 10,000	1,035	909	704	163	Q	125	Q	22	81	17.6
10,001 to 25,000	745	646	503	126	Q	98	7	19	72	15.2
25,001 to 50,000	213	158	109	47	Q	55	Q	11	40	12.0
50,001 to 100,000	115	83	58	24	Q	32	3	7	22	12.0
100,001 to 200,000	48	35	24	10	Q	13	2	4	7	13.7
200,001 to 500,000	19	13	10	3	Q	6	1	2	3	16.3
Over 500,000	6	4	4	*	Q	1	1	*	Q	21.7
Principal Building Activity										
Education	309	127	119	Q	--	182	Q	43	135	20.2
Food Sales	137	137	113	Q	--	Q	Q	Q	Q	28.4
Food Service	285	279	231	48	--	Q	Q	Q	Q	23.9
Health Care	105	86	61	Q	--	19	1	Q	Q	36.3
Lodging	158	153	129	24	--	6	Q	4	Q	23.6
Mercantile and Service	1,289	1,234	942	292	--	55	Q	Q	42	18.5
Office	705	650	541	109	--	55	9	7	39	17.5
Public Assembly	326	247	220	27	--	79	Q	6	66	25.2
Public Order and Safety	87	Q	Q	Q	--	60	Q	4	50	35.4
Religious Worship	269	269	267	Q	--	Q	Q	Q	Q	24.0
Warehouse and Storage	580	533	414	119	--	47	Q	Q	30	25.9
Other	67	49	47	Q	--	18	Q	Q	Q	56.7
Vacant	261	234	51	14	170	27	Q	Q	Q	27.9
Year Constructed										
1919 or Before	353	321	257	56	Q	32	Q	Q	11	30.7
1920 to 1945	562	474	374	43	56	88	22	Q	48	21.8
1946 to 1959	867	729	564	125	40	138	Q	32	97	18.1
1960 to 1969	718	625	486	118	Q	94	8	18	68	16.7
1970 to 1979	813	716	555	138	23	96	Q	18	70	17.2
1980 to 1989	846	775	600	160	Q	71	4	9	58	16.5
1990 to 1992	218	200	164	29	Q	18	Q	Q	16	32.0
1993 to 1995	202	186	157	29	Q	16	Q	Q	10	37.9
Floors										
One	3,018	2,655	2,036	491	128	363	57	55	250	11.7
Two	1,002	888	729	135	24	114	Q	23	81	16.7
Three	399	353	289	51	Q	46	5	10	31	19.7
Four to Nine	148	119	96	19	Q	29	3	10	16	22.4
Ten or More	12	11	8	2	Q	1	Q	1	Q	24.0
Census Region										
Northeast	725	629	542	79	Q	97	Q	12	68	18.8
Midwest	1,139	1,043	843	146	54	97	19	13	65	19.3
South	1,750	1,556	1,224	260	72	193	21	42	131	14.2
West	964	798	548	213	36	166	19	33	115	18.6

See footnotes at end of table.

**Table 16. Occupancy of Nongovernment-Owned and Government-Owned Buildings,
Number of Buildings, 1995 (Continued)**
(Thousand)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	1.7	0.9	2.2	1.7	1.2	
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	493	455	393	60	Q	39	Q	Q	29	35.4
5,500 to 7,000 HDD	975	859	691	131	37	116	Q	10	95	16.4
4,000 to 5,499 HDD	1,070	943	774	130	38	127	Q	27	71	27.1
Fewer than 4,000 HDD	1,103	952	694	212	46	151	16	29	106	19.1
More than 2,000 CDD and --										
Fewer than 4,000 HDD	937	817	605	165	46	121	Q	28	77	20.9
Workers (main shift)										
Fewer than 5	2,505	2,317	1,801	348	168	188	Q	37	118	13.4
5 to 9	798	692	598	93	Q	106	Q	15	76	19.1
10 to 19	625	509	410	99	Q	115	Q	14	93	20.8
20 to 49	400	324	220	104	Q	76	9	16	51	16.4
50 to 99	138	96	66	30	Q	42	Q	7	29	16.5
100 to 249	71	53	37	17	Q	18	3	7	8	15.7
250 or More	43	34	27	7	Q	9	2	3	4	22.6
Weekly Operating Hours										
39 or Fewer	899	784	576	54	154	116	Q	Q	95	20.2
40 to 48	1,257	1,051	844	205	Q	205	22	32	152	14.3
49 to 60	969	888	713	175	Q	81	11	12	58	17.8
61 to 84	567	515	382	128	Q	52	Q	14	34	21.0
85 to 167	420	397	298	99	Q	23	Q	5	17	21.1
Open Continuously	466	390	345	38	Q	76	31	22	23	21.2
Space in Building Vacant for at Least Three Consecutive Months										
Yes	787	712	349	206	157	75	Q	14	43	17.8
No	3,791	3,313	2,808	492	Q	478	57	85	336	9.9
Number of Establishments										
One	3,712	3,205	2,738	467	--	506	63	89	354	9.6
2 to 5	530	507	364	143	--	24	3	2	19	21.9
6 to 10	91	86	33	53	--	Q	Q	Q	Q	30.0
11 to 20	28	28	11	17	--	Q	Q	Q	Q	17.8
More than 20	31	31	12	18	--	Q	Q	Q	Q	46.9
Currently Unoccupied	187	170	--	--	170	Q	Q	Q	Q	22.6
Multibuilding Facility										
Part of Multibuilding Facility	1,480	1,090	842	201	47	390	63	93	234	13.4
Not on Multibuilding Facility	3,099	2,936	2,316	498	122	163	12	7	145	11.4
Predominant Exterior Wall Material										
Masonry	3,061	2,671	2,052	519	99	390	49	75	267	11.2
Siding or Shingles	639	571	489	56	Q	68	Q	Q	49	25.8
Metal Panels	662	591	487	81	Q	71	Q	Q	55	20.6
Concrete Panels	106	92	48	32	Q	14	Q	4	6	28.7
Window Glass	46	43	36	7	Q	3	Q	Q	Q	49.5
Other	50	43	34	Q	Q	Q	Q	Q	Q	64.5
No One Major Type	15	Q	Q	Q	Q	Q	Q	Q	Q	99.6

See footnotes at end of table.

**Table 16. Occupancy of Nongovernment-Owned and Government-Owned Buildings,
Number of Buildings, 1995 (Continued)**
(Thousand)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	1.7	0.9	2.2	1.7	1.2	
Predominant Roof Material										
Built-Up	1,369	1,177	838	273	66	192	26	46	120	13.9
Shingles (Not Wood)	1,486	1,381	1,188	170	Q	106	Q	Q	62	15.1
Metal Surfacing	908	821	667	106	48	87	Q	Q	68	17.7
Synthetic or Rubber	351	274	221	51	Q	77	3	12	62	20.9
Slate or Tile	202	158	116	41	Q	44	Q	Q	22	34.2
Wooden Materials	152	129	92	Q	Q	Q	Q	Q	Q	44.4
Concrete	58	42	18	Q	Q	Q	Q	Q	Q	59.9
Other	36	27	Q	Q	Q	Q	Q	Q	Q	85.1
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)										
Electricity	4,343	3,810	3,062	669	79	533	66	92	376	9.3
Natural Gas	2,478	2,190	1,750	413	Q	288	21	43	224	10.9
Fuel Oil	607	509	453	54	Q	98	Q	19	54	24.3
District Heat	110	50	44	Q	Q	60	Q	23	Q	30.9
District Chilled Water	53	19	14	Q	Q	34	Q	13	Q	43.7
Propane	589	510	434	75	Q	79	Q	Q	66	24.6
Other	213	186	161	26	Q	26	Q	Q	15	36.0
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,024	3,527	2,867	623	37	498	69	89	340	9.8
Buildings with Cooling	3,381	2,993	2,402	569	Q	388	67	74	247	9.3
Buildings with Water Heating	3,486	3,054	2,452	572	30	432	53	80	298	10.5
Buildings with Cooking	828	737	592	139	Q	91	4	14	73	13.2
Buildings with Manufacturing	204	188	149	32	Q	Q	Q	Q	Q	35.2
Buildings with Electricity Generation	247	167	149	18	Q	79	Q	16	47	27.9
Percent of Floorspace Heated										
Not Heated	554	498	291	75	132	56	Q	Q	38	22.7
1 to 50	555	528	397	122	Q	27	Q	Q	14	25.7
51 to 99	633	553	452	101	Q	80	Q	13	62	21.2
100	2,836	2,446	2,018	400	Q	391	57	68	265	9.8
Percent of Floorspace Cooled										
Not Cooled	1,198	1,033	755	129	148	165	Q	25	132	18.6
1 to 50	930	806	606	192	Q	124	33	21	70	16.0
51 to 99	635	556	474	81	Q	80	Q	17	52	20.4
100	1,816	1,631	1,322	295	Q	185	24	36	125	12.0
Percent Lit when Open										
Zero	36	36	28	Q	Q	Q	Q	Q	Q	78.0
1 to 50	666	608	523	85	Q	58	Q	Q	43	21.1
51 to 99	745	650	517	133	Q	95	Q	16	69	23.3
100	2,814	2,435	1,970	451	Q	379	45	70	263	10.5
Building Not in Use/ Electricity Not Used	318	296	120	30	146	Q	Q	Q	Q	28.3

See footnotes at end of table.

**Table 16. Occupancy of Nongovernment-Owned and Government-Owned Buildings,
Number of Buildings, 1995 (Continued)**
(Thousand)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	1.7	0.9	2.2	1.7	1.2	
Heating Equipment (more than one may apply)										
Heat Pumps	394	341	288	53	Q	53	Q	Q	28	23.0
Furnaces	1,676	1,555	1,280	260	Q	121	Q	Q	100	13.4
Individual Space Heaters	1,188	1,052	889	149	Q	136	19	16	101	17.4
District Heat	115	53	45	7	Q	62	19	23	Q	30.8
Boilers	610	452	402	48	Q	158	Q	29	111	19.2
Packaged Heating Units	1,031	910	672	224	Q	121	4	22	96	15.1
Other	161	144	125	19	Q	17	Q	4	13	38.3
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	878	820	680	139	Q	58	Q	Q	42	17.5
Heat Pumps	457	399	333	67	Q	58	Q	Q	33	22.0
Individual Air Conditioners	862	732	606	125	Q	129	Q	29	82	16.6
District Chilled Water	53	19	14	Q	Q	34	Q	13	Q	43.7
Central Chillers	109	72	61	11	Q	37	5	11	21	16.4
Packaged Air Conditioning										
Units	1,431	1,273	972	281	Q	159	22	22	115	13.4
Swamp Coolers	186	174	114	60	Q	11	Q	Q	9	39.5
Other	18	14	10	4	Q	4	Q	Q	Q	40.4
Lighting Equipment Types (more than one may apply)										
Incandescent	2,479	2,210	1,857	340	Q	269	36	48	186	11.8
Standard Fluorescent	3,885	3,391	2,753	630	Q	494	65	84	344	8.9
Compact Fluorescent	364	309	256	53	Q	55	7	17	31	19.4
High-Intensity Discharge	393	318	275	42	Q	75	8	13	54	19.1
Halogen	302	272	214	59	Q	30	2	2	26	23.5
Other	30	22	21	Q	Q	Q	Q	Q	Q	88.1
Personal Computers and/or Computer Terminals										
None	2,039	1,872	1,431	273	168	167	Q	20	125	13.9
1 to 4	1,408	1,268	1,045	222	Q	140	Q	34	80	15.5
5 to 9	437	377	291	85	Q	61	Q	4	54	22.0
10 to 19	344	278	234	45	Q	65	Q	11	40	24.2
20 to 49	198	133	92	41	Q	65	4	13	48	20.6
50 to 99	81	53	32	21	Q	28	Q	7	18	18.7
100 to 249	46	25	18	7	Q	21	2	8	11	17.5
250 or More	26	19	15	5	Q	7	2	2	3	19.5
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation ...	828	737	592	139	Q	91	4	14	73	13.2
Computer Room	234	180	136	44	Q	54	13	7	35	21.3
Activities with Large Amounts of Hot Water	243	227	199	28	Q	17	Q	5	10	22.3

See footnotes at end of table.

Table 16. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	1.7	0.9	2.2	1.7	1.2	
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	3,380	2,975	2,434	494	47	406	59	65	281	10.4
Wall Insulation	2,372	2,123	1,785	304	34	249	31	36	182	12.2
Storm or Multiple Glazing	1,897	1,703	1,466	212	25	194	44	22	128	13.9
Tinted, Reflective or Shading Glass	1,202	1,070	856	208	6	132	19	26	87	14.5
Exterior or Interior Shading or Awnings	2,271	1,976	1,563	395	19	295	53	61	181	12.1
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	327	247	209	38	Q	80	Q	14	50	20.4
Economizer Cycle	461	379	319	53	Q	82	16	17	49	17.8
HVAC Maintenance	2,403	2,016	1,630	379	Q	386	49	72	265	10.7
Other Energy Efficient Equipment	198	134	115	19	Q	64	Q	5	53	28.2
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	749	634	509	125	Q	115	21	12	82	18.4
Energy-Efficient Ballasts	1,363	1,110	948	162	Q	253	41	57	155	13.7
Natural Lighting Control Sensors	237	202	165	37	Q	35	Q	4	24	27.3
Occupancy Sensors	131	109	95	14	Q	22	4	4	14	25.5
Time Clock	467	389	309	80	Q	79	Q	5	63	20.7
Manual Dimmer Switches	501	462	412	50	Q	39	Q	4	24	17.7
Other	79	65	53	Q	Q	14	Q	Q	Q	44.3
Energy Conservation Features (more than one may apply)										
Any Conservation Features	4,075	3,584	2,868	636	80	491	69	88	334	9.2
Building Shell	3,906	3,437	2,762	595	80	469	69	82	318	9.4
HVAC	2,529	2,133	1,735	390	Q	396	49	74	272	10.3
Lighting	2,084	1,768	1,481	287	Q	316	51	59	207	11.3
Off-Hour Equipment Reduction (more than one may apply)										
Heating	3,211	2,846	2,292	539	Q	365	22	58	284	10.4
Cooling	2,707	2,438	1,932	498	Q	269	23	47	199	10.6
Lighting	3,753	3,307	2,669	630	Q	446	38	69	339	9.6

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

-- = Data not applicable.

* = 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 17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace, 1995
(Million Square Feet)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	2.1	0.8	2.4	1.4	1.2	
All Buildings	58,772	46,696	35,573	9,697	1,426	12,076	1,752	2,851	7,473	7.7
Building Floorspace (Square Feet)										
1,001 to 5,000	6,338	5,709	4,652	787	270	630	Q	Q	460	12.7
5,001 to 10,000	7,530	6,606	5,118	1,189	Q	924	Q	158	597	18.4
10,001 to 25,000	11,617	10,071	7,863	1,944	Q	1,546	111	309	1,126	14.7
25,001 to 50,000	7,676	5,653	3,910	1,665	Q	2,023	Q	388	1,499	12.8
50,001 to 100,000	7,968	5,757	4,000	1,670	Q	2,211	243	467	1,501	12.2
100,001 to 200,000	6,776	4,929	3,426	1,404	Q	1,847	263	598	986	14.4
200,001 to 500,000	5,553	3,867	2,989	797	Q	1,685	201	562	923	16.8
Over 500,000	5,313	4,104	3,615	242	Q	1,209	541	287	Q	22.5
Principal Building Activity										
Education	7,740	2,531	2,397	Q	--	5,210	Q	913	4,191	13.6
Food Sales	642	642	535	Q	--	Q	Q	Q	Q	24.2
Food Service	1,353	1,275	1,127	149	--	Q	Q	Q	Q	26.9
Health Care	2,333	1,815	1,606	Q	--	518	129	Q	249	17.3
Lodging	3,618	3,268	2,980	288	--	350	Q	196	Q	21.8
Mercantile and Service	12,728	11,858	8,213	3,646	--	869	413	Q	325	17.3
Office	10,478	9,183	6,908	2,275	--	1,295	473	414	409	13.3
Public Assembly	3,948	2,397	2,161	236	--	1,551	Q	501	954	21.0
Public Order and Safety	1,271	Q	Q	Q	--	1,054	Q	193	829	25.9
Religious Worship	2,792	2,792	2,769	Q	--	Q	Q	Q	Q	18.8
Warehouse and Storage	8,481	7,836	5,425	2,411	--	645	Q	Q	365	23.1
Other	1,004	731	674	Q	--	272	Q	Q	Q	44.5
Vacant	2,384	2,151	583	141	1,426	232	Q	Q	Q	28.1
Year Constructed										
1919 or Before	3,673	3,021	2,615	342	Q	652	Q	Q	379	22.2
1920 to 1945	6,710	5,039	3,885	622	531	1,671	360	507	804	18.7
1946 to 1959	9,298	6,662	5,207	1,247	207	2,636	401	497	1,738	15.0
1960 to 1969	10,858	8,084	6,341	1,496	Q	2,774	407	681	1,686	13.3
1970 to 1979	11,333	9,143	6,794	2,195	154	2,190	Q	582	1,450	12.3
1980 to 1989	12,252	10,977	7,731	3,042	Q	1,275	129	330	815	13.2
1990 to 1992	2,590	2,170	1,661	493	Q	420	Q	Q	258	20.1
1993 to 1995	2,059	1,602	1,338	260	Q	457	Q	Q	343	24.4
Floors										
One	24,552	20,615	14,220	5,565	830	3,937	505	482	2,950	11.1
Two	14,122	11,510	9,147	2,114	249	2,612	Q	595	1,884	12.5
Three	7,335	5,354	4,530	709	Q	1,981	246	486	1,249	15.2
Four to Nine	8,789	5,882	4,939	844	Q	2,907	626	1,139	1,142	13.8
Ten or More	3,975	3,336	2,736	465	Q	639	Q	148	Q	22.1
Census Region										
Northeast	11,883	8,946	6,972	1,622	Q	2,937	398	758	1,781	15.4
Midwest	14,322	11,414	9,403	1,644	366	2,909	406	834	1,669	13.9
South	20,830	17,056	12,664	3,841	551	3,774	451	741	2,582	12.1
West	11,736	9,280	6,533	2,590	157	2,456	Q	518	1,442	15.9

See footnotes at end of table.

Table 17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	2.1	0.8	2.4	1.4	1.2	
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	5,098	4,013	3,362	627	Q	1,084	Q	293	685	22.8
5,500 to 7,000 HDD	14,597	11,271	9,088	1,887	296	3,326	Q	692	2,242	15.5
4,000 to 5,499 HDD	15,155	11,717	8,930	2,297	490	3,439	776	977	1,686	15.6
Fewer than 4,000 HDD	13,491	11,144	7,952	2,929	263	2,347	227	512	1,608	16.7
More than 2,000 CDD and --										
Fewer than 4,000 HDD	10,430	8,551	6,241	1,957	354	1,879	251	376	1,252	18.4
Workers (main shift)										
Fewer than 5	13,885	12,588	9,406	1,807	1,375	1,298	Q	237	914	15.1
5 to 9	6,291	5,466	4,739	722	Q	825	Q	164	587	18.2
10 to 19	7,102	5,932	4,545	1,383	Q	1,170	Q	291	774	16.1
20 to 49	9,132	6,735	4,667	2,068	Q	2,397	197	461	1,738	13.0
50 to 99	6,931	4,604	3,145	1,459	Q	2,327	Q	494	1,587	13.4
100 to 249	5,988	4,208	2,945	1,263	Q	1,780	214	588	979	14.1
250 or More	9,443	7,164	6,126	996	Q	2,279	770	615	894	15.1
Weekly Operating Hours										
39 or Fewer	6,134	5,051	3,373	359	1,319	1,084	Q	Q	850	18.4
40 to 48	13,233	10,034	7,677	2,331	Q	3,199	412	512	2,275	13.5
49 to 60	12,242	10,106	7,388	2,695	Q	2,136	373	413	1,349	13.3
61 to 84	10,052	8,116	6,087	2,019	Q	1,937	Q	466	1,388	13.6
85 to 167	6,202	4,925	3,508	1,416	Q	1,277	Q	534	562	16.0
Open Continuously	10,908	8,465	7,539	877	Q	2,443	618	776	1,049	12.9
Space in Building Vacant for at Least Three Consecutive Months										
Yes	15,844	13,779	8,468	3,909	1,402	2,065	373	474	1,219	12.5
No	42,928	32,917	27,105	5,788	Q	10,010	1,379	2,377	6,254	8.2
Number of Establishments										
One	41,057	30,544	26,405	4,139	--	10,513	1,375	2,349	6,789	8.3
2 to 5	7,325	6,443	4,171	2,271	--	882	219	208	456	16.9
6 to 10	2,672	2,521	1,088	1,433	--	Q	Q	Q	Q	20.6
11 to 20	2,228	2,160	996	1,164	--	Q	Q	Q	Q	17.2
More than 20	3,943	3,602	2,913	690	--	Q	Q	Q	Q	20.0
Currently Unoccupied	1,548	1,426	--	--	1,426	Q	Q	Q	Q	27.4
Multibuilding Facility										
Part of Multibuilding Facility	24,352	16,541	12,524	3,510	507	7,811	1,391	2,240	4,179	10.3
Not on Multibuilding Facility	34,420	30,155	23,048	6,187	919	4,265	360	611	3,294	9.5
Predominant Exterior Wall Material										
Masonry	42,958	33,050	24,858	7,128	1,064	9,908	1,312	2,339	6,257	9.1
Siding or Shingles	3,243	2,832	2,480	272	Q	411	Q	Q	250	25.9
Metal Panels	5,694	5,097	4,248	688	Q	597	Q	Q	465	17.4
Concrete Panels	4,069	3,239	2,088	1,077	Q	830	191	288	351	19.5
Window Glass	1,755	1,533	1,229	300	Q	222	Q	Q	Q	25.0
Other	660	602	474	Q	Q	Q	Q	Q	Q	29.7
No One Major Type	393	344	194	Q	Q	Q	Q	Q	Q	68.0

See footnotes at end of table.

Table 17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	2.1	0.8	2.4	1.4	1.2	
Predominant Roof Material										
Built-Up	24,481	18,795	13,202	4,960	634	5,686	891	1,643	3,151	10.3
Shingles (Not Wood)	11,093	9,866	8,332	1,245	Q	1,227	Q	Q	858	14.0
Metal Surfacing	7,941	6,951	5,392	1,276	282	991	Q	177	732	17.3
Synthetic or Rubber	10,235	7,211	5,771	1,399	Q	3,024	463	610	1,951	12.8
Slate or Tile	1,920	1,416	1,157	241	Q	504	Q	Q	250	24.1
Wooden Materials	1,130	998	752	Q	Q	Q	Q	Q	Q	46.0
Concrete	1,335	1,013	710	200	Q	322	Q	Q	Q	44.4
Other	332	196	Q	Q	Q	Q	Q	Q	Q	47.1
No One Major Type	305	250	Q	Q	Q	Q	Q	Q	Q	58.9
Energy Sources (more than one may apply)										
Electricity	57,076	45,225	35,111	9,518	596	11,851	1,674	2,810	7,367	7.6
Natural Gas	38,145	30,256	23,956	6,077	Q	7,889	710	1,698	5,481	7.9
Fuel Oil	14,421	10,617	9,485	1,101	Q	3,805	607	860	2,338	11.6
District Heat	5,658	2,789	2,482	303	Q	2,869	913	1,266	690	19.1
District Chilled Water	2,521	1,200	1,063	Q	Q	1,321	263	575	482	22.2
Propane	5,344	4,239	3,452	760	Q	1,105	Q	Q	911	22.2
Other	2,336	1,620	1,285	335	Q	716	Q	Q	440	30.8
Energy End Uses (more than one may apply)										
Buildings with Space Heating	54,347	42,860	33,402	9,148	311	11,487	1,689	2,785	7,013	8.0
Buildings with Cooling	49,935	39,654	30,717	8,763	Q	10,280	1,609	2,473	6,198	7.6
Buildings with Water Heating	51,560	40,351	31,387	8,690	274	11,209	1,606	2,721	6,882	8.1
Buildings with Cooking	20,713	15,175	12,323	2,776	Q	5,537	589	946	4,002	9.9
Buildings with Manufacturing	3,893	3,205	2,318	859	Q	687	Q	Q	381	23.4
Buildings with Electricity Generation	13,366	9,643	8,675	947	Q	3,723	505	949	2,269	11.2
Percent of Floorspace Heated										
Not Heated	4,425	3,836	2,171	549	1,116	589	Q	Q	460	25.9
1 to 50	6,227	5,732	3,987	1,637	Q	495	Q	Q	250	24.7
51 to 99	8,868	7,220	5,736	1,466	Q	1,648	145	505	998	14.6
100	39,252	29,909	23,678	6,045	Q	9,344	1,468	2,111	5,765	7.9
Percent of Floorspace Cooled										
Not Cooled	8,837	7,042	4,856	934	1,252	1,795	Q	377	1,275	17.4
1 to 50	15,027	11,523	8,547	2,915	Q	3,504	396	687	2,421	12.7
51 to 99	12,549	9,652	8,020	1,632	Q	2,897	626	757	1,514	12.5
100	22,359	18,479	14,149	4,217	Q	3,880	587	1,030	2,263	10.5
Percent Lit when Open										
Zero	189	177	143	Q	Q	Q	Q	Q	Q	58.8
1 to 50	6,008	5,451	4,527	911	Q	557	Q	Q	411	21.1
51 to 99	9,692	7,441	5,838	1,603	Q	2,250	281	543	1,427	13.6
100	40,514	31,529	24,421	6,990	Q	8,985	1,304	2,166	5,516	8.0
Building Not in Use/ Electricity Not Used	2,369	2,098	643	193	1,262	271	Q	Q	Q	31.0

See footnotes at end of table.

Table 17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	2.1	0.8	2.4	1.4	1.2	
Heating Equipment (more than one may apply)										
Heat Pumps	5,843	4,833	3,857	976	Q	1,011	185	165	660	17.2
Furnaces	14,923	13,389	10,498	2,790	Q	1,534	Q	189	1,220	13.9
Individual Space Heaters	16,809	13,940	11,241	2,632	Q	2,868	320	582	1,966	13.7
District Heat	5,911	2,882	2,534	329	Q	3,029	981	1,308	740	18.8
Boilers	16,754	10,924	9,550	1,299	Q	5,830	493	1,104	4,233	9.9
Packaged Heating Units	16,893	14,417	9,947	4,369	Q	2,476	188	343	1,944	12.1
Other	6,249	5,071	4,247	824	Q	1,178	Q	326	608	20.4
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	9,238	7,832	6,245	1,582	Q	1,406	Q	225	1,038	14.0
Heat Pumps	6,931	5,695	4,462	1,234	Q	1,235	257	196	782	16.6
Individual Air Conditioners	12,494	8,957	7,401	1,532	Q	3,537	288	640	2,609	12.5
District Chilled Water	2,521	1,200	1,063	Q	Q	1,321	263	575	482	22.2
Central Chillers	11,065	7,443	6,508	893	Q	3,622	812	1,029	1,781	13.2
Packaged Air Conditioning										
Units	26,628	21,889	16,156	5,629	Q	4,740	740	888	3,111	10.1
Swamp Coolers	2,451	2,105	1,538	567	Q	346	Q	Q	245	34.2
Other	949	687	521	166	Q	262	Q	Q	Q	34.7
Lighting Equipment Types (more than one may apply)										
Incandescent	35,715	28,409	23,855	4,500	Q	7,306	1,043	1,683	4,580	8.5
Standard Fluorescent	53,984	42,483	33,054	9,318	Q	11,501	1,662	2,737	7,103	7.5
Compact Fluorescent	14,273	10,671	9,214	1,457	Q	3,602	614	1,042	1,947	12.7
High-Intensity Discharge	16,259	11,583	9,777	1,800	Q	4,676	669	966	3,041	11.8
Halogen	9,665	7,937	6,709	1,225	Q	1,728	Q	251	1,216	15.6
Other	554	484	Q	Q	Q	Q	Q	Q	Q	86.9
Personal Computers and/or Computer Terminals										
None	12,571	11,035	8,146	1,510	1,379	1,536	Q	304	1,048	14.8
1 to 4	11,401	10,476	8,544	1,885	Q	925	Q	220	580	15.8
5 to 9	5,372	4,586	3,235	1,350	Q	786	Q	135	573	18.6
10 to 19	5,947	4,995	3,677	1,318	Q	952	Q	246	619	18.0
20 to 49	7,048	4,785	3,322	1,463	Q	2,264	194	482	1,588	15.3
50 to 99	4,938	3,211	2,208	1,003	Q	1,727	Q	508	1,107	16.1
100 to 249	5,189	3,110	2,601	510	Q	2,079	187	558	1,334	16.0
250 or More	6,307	4,499	3,841	659	Q	1,807	785	398	625	16.3
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation ...	20,713	15,175	12,323	2,776	Q	5,537	589	946	4,002	9.9
Computer Room	12,890	9,307	7,647	1,652	Q	3,583	919	638	2,027	11.1
Activities with Large Amounts of Hot Water	6,753	5,234	4,623	611	Q	1,519	Q	361	938	16.1

See footnotes at end of table.

Table 17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings				RSE Row Factor
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.5	0.5	0.6	1.0	2.1	0.8	2.4	1.4	1.2	
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	46,355	36,498	28,681	7,379	439	9,856	1,492	2,239	6,126	8.5
Wall Insulation	31,694	26,016	20,899	4,823	293	5,678	956	1,307	3,415	10.0
Storm or Multiple Glazing	28,876	23,322	19,243	3,860	219	5,554	1,030	1,206	3,319	9.4
Tinted, Reflective or Shading Glass	24,245	19,496	15,089	4,271	137	4,749	758	1,248	2,742	9.7
Exterior or Interior Shading or Awnings	37,208	28,878	22,376	6,194	309	8,330	1,433	1,887	5,009	8.7
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	13,473	9,647	8,145	1,453	Q	3,826	800	950	2,076	12.2
Economizer Cycle	16,550	12,014	9,819	2,111	Q	4,536	874	1,237	2,426	11.3
HVAC Maintenance	43,134	32,837	25,719	7,014	Q	10,297	1,554	2,494	6,249	8.2
Other Energy Efficient Equipment	6,453	4,502	3,767	732	Q	1,950	173	389	1,389	14.0
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	17,868	14,003	11,254	2,739	Q	3,865	712	785	2,368	11.5
Energy-Efficient Ballasts	28,375	21,334	17,779	3,521	Q	7,040	1,180	1,944	3,917	8.9
Natural Lighting Control Sensors	6,431	5,099	4,423	676	Q	1,333	199	293	841	16.8
Occupancy Sensors	5,958	4,265	3,873	392	Q	1,692	505	230	957	18.6
Time Clock	13,262	10,779	8,778	1,965	Q	2,484	366	550	1,568	11.7
Manual Dimmer Switches	13,056	10,823	9,440	1,383	Q	2,233	625	443	1,166	12.7
Other	2,836	1,960	1,639	316	Q	876	Q	Q	659	23.9
Energy Conservation Features (more than one may apply)										
Any Conservation Features	55,288	43,720	33,842	9,172	706	11,569	1,689	2,782	7,097	7.7
Building Shell	53,190	42,074	32,739	8,630	706	11,116	1,688	2,577	6,851	7.8
HVAC	44,657	34,095	26,731	7,253	Q	10,562	1,554	2,549	6,459	8.1
Lighting	38,537	29,737	24,062	5,625	Q	8,800	1,433	2,186	5,180	8.0
Off-Hour Equipment Reduction (more than one may apply)										
Heating	38,326	30,267	22,943	7,235	Q	8,059	801	1,690	5,569	8.7
Cooling	35,605	28,437	21,348	7,017	Q	7,168	770	1,577	4,821	8.6
Lighting	44,937	35,675	27,042	8,557	Q	9,262	1,058	2,002	6,201	8.2

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

-- = Data not applicable.

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 18. Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	1.2	1.6	1.9	1.4	2.3	
All Buildings	4,579	4,364	4,343	2,478	607	110	53	589	126	9.0
Building Floorspace (Square Feet)										
1,001 to 5,000	2,399	2,265	2,252	1,112	333	Q	Q	354	82	10.4
5,001 to 10,000	1,035	977	970	614	96	Q	Q	117	Q	15.6
10,001 to 25,000	745	724	724	474	92	25	Q	89	Q	15.5
25,001 to 50,000	213	212	211	146	31	18	7	16	Q	11.2
50,001 to 100,000	115	115	114	82	28	11	5	9	Q	11.4
100,001 to 200,000	48	47	47	33	14	8	5	3	Q	11.9
200,001 to 500,000	19	19	19	13	10	4	2	1	Q	13.0
Over 500,000	6	6	6	4	4	1	1	Q	Q	13.5
Principal Building Activity										
Education	309	309	309	204	37	36	26	35	Q	21.3
Food Sales	137	137	137	58	Q	Q	Q	Q	Q	30.2
Food Service	285	285	285	184	Q	Q	Q	82	Q	19.4
Health Care	105	105	105	51	18	4	2	Q	Q	26.8
Lodging	158	158	158	110	9	11	Q	27	Q	22.3
Mercantile and Service	1,289	1,288	1,274	792	223	Q	Q	170	78	14.7
Office	705	705	705	438	97	20	5	56	Q	16.4
Public Assembly	326	326	326	189	54	9	Q	54	Q	26.0
Public Order and Safety	87	87	87	37	Q	Q	Q	Q	Q	48.8
Religious Worship	269	269	269	159	42	Q	Q	64	Q	24.5
Warehouse and Storage	580	478	477	173	38	Q	Q	29	Q	25.2
Other	67	67	67	21	7	Q	Q	Q	Q	53.8
Vacant	261	150	144	61	23	Q	Q	Q	Q	33.5
Year Constructed										
1919 or Before	353	335	335	256	70	22	Q	Q	Q	25.9
1920 to 1945	562	519	508	353	81	20	Q	61	Q	19.3
1946 to 1959	867	845	838	528	142	13	5	76	Q	13.7
1960 to 1969	718	698	695	403	120	23	10	104	Q	16.4
1970 to 1979	813	809	809	444	60	Q	Q	122	Q	14.7
1980 to 1989	846	792	792	357	98	7	7	142	Q	17.6
1990 to 1992	218	204	204	92	13	Q	Q	29	Q	30.6
1993 to 1995	202	162	162	46	Q	Q	Q	35	Q	39.0
Census Region										
Northeast	725	707	697	316	282	24	3	170	Q	17.0
Midwest	1,139	1,074	1,074	777	96	35	Q	137	Q	18.7
South	1,750	1,657	1,648	805	196	32	24	220	Q	15.6
West	964	925	925	580	33	18	10	62	Q	19.4
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	493	466	466	265	110	3	Q	117	Q	24.5
5,500 to 7,000 HDD	975	943	936	626	149	30	8	140	Q	15.2
4,000 to 5,499 HDD	1,070	1,012	1,006	490	259	44	16	141	Q	26.1
Fewer than 4,000 HDD	1,103	1,052	1,051	674	52	10	6	117	Q	21.7
More than 2,000 CDD and --										
Fewer than 4,000 HDD	937	891	885	423	38	Q	Q	75	Q	23.4

See footnotes at end of table.

Table 18. Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	1.2	1.6	1.9	1.4	2.3	
Workers (main shift)										
Fewer than 5	2,505	2,290	2,274	1,155	324	34	Q	312	97	12.2
5 to 9	798	798	797	538	79	15	Q	107	Q	19.1
10 to 19	625	625	625	358	94	Q	Q	103	Q	17.0
20 to 49	400	400	397	261	52	16	8	43	Q	16.7
50 to 99	138	138	137	90	21	17	8	12	Q	15.2
100 to 249	71	71	71	50	19	8	3	4	Q	14.1
250 or More	43	43	43	25	18	9	5	Q	Q	16.1
Weekly Operating Hours										
39 or Fewer	899	755	746	343	116	Q	Q	121	Q	19.9
40 to 48	1,257	1,255	1,254	718	162	23	Q	157	Q	14.0
49 to 60	969	956	950	596	138	23	11	89	Q	16.8
61 to 84	567	566	566	365	68	12	8	73	Q	18.9
85 to 167	420	407	407	216	44	11	7	75	Q	18.7
Open Continuously	466	424	421	239	80	32	Q	73	Q	17.7
Ownership and Occupancy										
Nongovernment Owned	4,025	3,827	3,810	2,190	509	50	19	510	125	9.9
Owner Occupied	3,158	3,076	3,062	1,750	453	44	14	434	115	10.7
Nonowner Occupied	698	672	669	413	54	Q	Q	75	Q	17.9
Unoccupied	170	79	79	Q	Q	Q	Q	Q	Q	42.0
Government Owned	553	537	533	288	98	60	34	79	Q	16.4
Energy Sources (more than one may apply)										
Electricity	4,343	4,343	4,343	2,476	595	110	53	589	119	9.0
Natural Gas	2,478	2,478	2,476	2,478	155	30	17	105	38	10.5
Fuel Oil	607	607	595	155	607	20	Q	144	Q	18.5
District Heat	110	110	110	30	20	110	47	Q	Q	26.9
District Chilled Water	53	53	53	17	Q	47	53	Q	Q	32.7
Propane	589	589	589	105	144	Q	Q	589	Q	19.7
Other	213	213	206	88	64	Q	Q	36	126	26.7
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,024	4,024	4,004	2,456	607	109	52	579	126	9.2
Buildings with Cooling	3,381	3,381	3,376	2,131	388	95	53	431	34	10.3
Buildings with Water Heating	3,486	3,486	3,472	2,201	504	96	49	477	78	9.9
Buildings with Cooking	828	828	827	549	122	17	10	172	Q	12.6
Buildings with Manufacturing	204	204	204	104	17	Q	Q	31	Q	32.6
Buildings with Electricity Generation	247	247	246	159	138	21	7	69	Q	18.8
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation ...	828	828	827	549	122	17	10	172	Q	12.6
Computer Room	234	234	234	170	51	21	Q	23	Q	21.6
Activities with Large Amounts of Hot Water	243	243	243	153	50	10	2	34	Q	24.3

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.

Table 19. Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	0.9	1.3	1.6	1.6	3.3	
All Buildings	58,772	57,309	57,076	38,145	14,421	5,658	2,521	5,344	699	6.7
Building Floorspace (Square Feet)										
1,001 to 5,000	6,338	6,008	5,953	2,942	946	Q	Q	997	195	10.1
5,001 to 10,000	7,530	7,102	7,061	4,497	679	Q	Q	881	Q	15.7
10,001 to 25,000	11,617	11,310	11,303	7,561	1,425	370	239	1,342	Q	16.1
25,001 to 50,000	7,676	7,641	7,635	5,242	1,164	651	275	562	Q	12.0
50,001 to 100,000	7,968	7,925	7,902	5,608	1,968	744	348	637	Q	11.6
100,001 to 200,000	6,776	6,691	6,599	4,643	2,096	1,119	587	482	Q	12.6
200,001 to 500,000	5,553	5,550	5,550	3,941	2,928	1,211	557	290	Q	13.5
Over 500,000	5,313	5,082	5,074	3,712	3,215	1,351	432	Q	Q	15.0
Principal Building Activity										
Education	7,740	7,740	7,685	5,800	2,348	1,077	653	876	Q	13.7
Food Sales	642	642	642	401	Q	Q	Q	Q	Q	25.2
Food Service	1,353	1,353	1,353	1,001	Q	Q	Q	351	Q	22.4
Health Care	2,333	2,333	2,333	1,759	1,576	640	403	193	Q	13.0
Lodging	3,618	3,618	3,601	2,828	847	616	Q	347	Q	19.3
Mercantile and Service	12,728	12,718	12,630	8,520	2,550	Q	Q	1,512	397	13.6
Office	10,478	10,475	10,466	6,521	3,554	1,532	568	416	Q	11.6
Public Assembly	3,948	3,948	3,929	2,662	1,050	636	372	353	Q	17.1
Public Order and Safety	1,271	1,271	1,271	746	493	327	Q	Q	Q	30.9
Religious Worship	2,792	2,792	2,792	2,001	441	Q	Q	449	Q	20.6
Warehouse and Storage	8,481	8,037	8,016	4,595	810	Q	Q	465	Q	17.4
Other	1,004	1,000	1,000	654	375	170	Q	Q	Q	37.2
Vacant	2,384	1,382	1,358	658	244	Q	Q	Q	Q	26.2
Year Constructed										
1919 or Before	3,673	3,527	3,527	2,643	1,085	556	Q	Q	Q	19.2
1920 to 1945	6,710	6,284	6,175	4,560	1,241	864	187	414	Q	15.8
1946 to 1959	9,298	9,166	9,123	6,470	1,997	939	322	634	Q	14.5
1960 to 1969	10,858	10,665	10,649	7,170	2,871	1,408	527	1,136	Q	11.7
1970 to 1979	11,333	11,267	11,245	7,375	2,936	965	674	1,130	Q	10.5
1980 to 1989	12,252	11,930	11,909	7,181	3,112	508	400	1,256	Q	11.2
1990 to 1992	2,590	2,555	2,544	1,659	607	258	Q	228	Q	18.0
1993 to 1995	2,059	1,917	1,905	1,087	572	Q	Q	398	Q	21.0
Census Region										
Northeast	11,883	11,528	11,444	7,108	5,423	1,768	291	1,689	Q	12.6
Midwest	14,322	13,973	13,887	10,905	2,681	1,902	778	1,093	Q	12.6
South	20,830	20,206	20,158	12,291	4,175	1,038	919	2,012	Q	11.8
West	11,736	11,602	11,587	7,841	2,142	949	533	550	Q	15.5
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	5,098	5,002	4,934	3,399	1,798	267	Q	1,092	Q	18.7
5,500 to 7,000 HDD	14,597	14,402	14,356	10,754	3,724	1,919	624	1,220	Q	13.6
4,000 to 5,499 HDD	15,155	14,623	14,559	9,094	5,250	2,292	632	1,325	Q	14.3
Fewer than 4,000 HDD	13,491	13,285	13,268	9,598	2,343	537	432	978	Q	16.7
More than 2,000 CDD and --										
Fewer than 4,000 HDD	10,430	9,997	9,960	5,300	1,307	643	726	730	Q	18.3

See footnotes at end of table.

Table 19. Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings Using Any Energy Source	Energy Sources Used (more than one may apply)							RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.5	0.6	0.9	1.3	1.6	1.6	3.3	
Workers (main shift)										
Fewer than 5	13,885	12,426	12,342	6,581	1,674	423	Q	1,510	291	13.0
5 to 9	6,291	6,291	6,270	4,482	791	303	Q	702	Q	17.3
10 to 19	7,102	7,102	7,102	4,696	872	258	Q	877	Q	14.5
20 to 49	9,132	9,132	9,103	6,627	1,436	617	250	780	Q	12.3
50 to 99	6,931	6,931	6,860	4,762	1,652	713	366	654	Q	12.7
100 to 249	5,988	5,988	5,975	4,286	2,210	886	356	435	Q	13.1
250 or More	9,443	9,440	9,425	6,712	5,787	2,458	1,172	387	Q	11.3
Weekly Operating Hours										
39 or Fewer	6,134	4,979	4,932	2,657	710	Q	Q	644	Q	16.8
40 to 48	13,233	13,206	13,142	8,541	1,953	762	350	1,279	Q	14.3
49 to 60	12,242	12,191	12,134	8,002	2,790	970	409	931	Q	12.5
61 to 84	10,052	10,037	10,021	7,048	2,785	628	381	944	Q	12.6
85 to 167	6,202	6,175	6,159	3,966	1,502	840	395	627	Q	14.4
Open Continuously	10,908	10,721	10,688	7,931	4,682	2,320	919	919	Q	10.6
Ownership and Occupancy										
Nongovernment Owned	46,696	45,370	45,225	30,256	10,617	2,789	1,200	4,239	641	8.0
Owner Occupied	35,573	35,216	35,111	23,956	9,485	2,482	1,063	3,452	605	8.3
Nonowner Occupied	9,697	9,558	9,518	6,077	1,101	303	Q	760	Q	16.3
Unoccupied	1,426	596	596	Q	Q	Q	Q	Q	Q	39.6
Government Owned	12,076	11,940	11,851	7,889	3,805	2,869	1,321	1,105	Q	10.1
Energy Sources (more than one may apply)										
Electricity	57,076	57,076	57,076	38,009	14,345	5,646	2,517	5,340	605	6.8
Natural Gas	38,145	38,145	38,009	38,145	9,262	2,343	1,287	1,565	259	7.9
Fuel Oil	14,421	14,421	14,345	9,262	14,421	2,174	1,076	1,675	Q	9.8
District Heat	5,658	5,658	5,646	2,343	2,174	5,658	2,140	Q	Q	12.8
District Chilled Water	2,521	2,521	2,517	1,287	1,076	2,140	2,521	Q	Q	15.3
Propane	5,344	5,344	5,340	1,565	1,675	Q	Q	5,344	Q	17.8
Other	2,336	2,336	2,232	1,485	797	303	Q	210	699	21.0
Energy End Uses (more than one may apply)										
Buildings with Space Heating	54,347	54,344	54,110	37,950	14,236	5,642	2,479	5,281	699	6.9
Buildings with Cooling	49,935	49,931	49,785	35,100	12,904	5,128	2,521	4,520	370	7.2
Buildings with Water Heating	51,560	51,556	51,363	36,284	13,959	5,424	2,442	4,934	521	7.1
Buildings with Cooking	20,713	20,713	20,611	15,968	8,018	2,031	982	2,322	Q	8.4
Buildings with Manufacturing	3,893	3,893	3,885	2,542	718	Q	Q	521	Q	18.1
Buildings with Electricity Generation	13,366	13,366	13,347	10,331	9,576	2,434	1,171	1,466	Q	9.6
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation ...	20,713	20,713	20,611	15,968	8,018	2,031	982	2,322	Q	8.4
Computer Room	12,890	12,887	12,821	9,426	5,978	2,507	1,226	796	Q	9.8
Activities with Large Amounts of Hot Water	6,753	6,753	6,750	5,202	2,945	898	344	629	Q	13.5

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

Notes: • To obtain 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 20. Energy End Uses, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Build- ings	Energy Used For: (more than one may apply)					All Build- ings	Energy Used For: (more than one may apply)					
		Space Heating	Cooling	Water Heating	Cooking	Manu- factur- ing		Space Heating	Cooling	Water Heating	Cooking	Manu- factur- ing	
RSE Column Factor:	0.9	0.9	0.9	0.9	1.3	2.9	0.7	0.7	0.7	0.7	0.9	2.2	
All Buildings	4,579	4,024	3,381	3,486	828	204	58,772	54,347	49,935	51,560	20,713	3,893	4.8
Building Floorspace (Square Feet)													
1,001 to 5,000	2,399	2,060	1,650	1,689	339	69	6,338	5,506	4,376	4,617	922	207	7.7
5,001 to 10,000	1,035	899	754	780	175	51	7,530	6,546	5,531	5,652	1,319	357	11.3
10,001 to 25,000	745	685	619	644	169	55	11,617	10,706	9,712	10,053	2,731	883	9.8
25,001 to 50,000	213	198	187	195	66	15	7,676	7,157	6,760	7,060	2,433	563	7.8
50,001 to 100,000	115	111	103	110	42	8	7,968	7,699	7,178	7,611	2,939	560	7.9
100,001 to 200,000	48	46	44	45	22	5	6,776	6,456	6,175	6,269	3,028	672	8.9
200,001 to 500,000	19	18	18	18	12	Q	5,553	5,371	5,235	5,303	3,482	Q	9.3
Over 500,000	6	6	6	6	4	1	5,313	4,906	4,968	4,995	3,859	480	11.4
Principal Building Activity													
Education	309	309	249	258	113	Q	7,740	7,740	6,741	7,515	4,881	418	11.4
Food Sales	137	124	128	125	51	Q	642	609	612	599	351	Q	17.0
Food Service	285	274	272	279	241	Q	1,353	1,299	1,310	1,342	1,254	Q	14.2
Health Care	105	105	105	105	18	Q	2,333	2,333	2,323	2,327	1,631	Q	17.0
Lodging	158	158	126	158	51	Q	3,618	3,608	3,193	3,609	2,064	Q	14.0
Mercantile and Service	1,289	1,217	916	916	135	69	12,728	12,227	11,086	10,925	4,362	1,067	9.9
Office	705	704	690	678	19	10	10,478	10,458	10,360	10,278	2,750	457	8.4
Public Assembly	326	310	246	276	109	Q	3,948	3,836	3,394	3,632	1,610	Q	15.0
Public Order and Safety	87	81	38	69	4	Q	1,271	1,154	856	1,018	260	Q	27.7
Religious Worship	269	269	223	248	72	Q	2,792	2,791	2,414	2,685	957	Q	15.5
Warehouse and Storage	580	325	262	251	Q	41	8,481	6,419	5,991	5,845	311	1,047	16.3
Other	67	53	53	43	Q	30	1,004	907	921	893	Q	475	28.4
Vacant	261	95	73	81	Q	Q	2,384	966	732	892	Q	Q	21.3
Year Constructed													
1919 or Before	353	316	260	287	77	Q	3,673	3,429	2,818	3,206	1,272	Q	15.6
1920 to 1945	562	496	382	429	100	32	6,710	5,951	5,038	5,349	1,555	622	12.8
1946 to 1959	867	769	617	656	129	31	9,298	8,701	7,549	8,136	3,177	502	10.7
1960 to 1969	718	652	508	562	147	35	10,858	10,024	8,978	9,722	4,207	524	9.7
1970 to 1979	813	722	688	632	142	36	11,333	10,489	10,389	10,117	4,344	649	8.8
1980 to 1989	846	741	657	667	168	36	12,252	11,462	11,174	11,105	4,301	998	9.3
1990 to 1992	218	189	161	145	42	Q	2,590	2,467	2,345	2,263	1,082	Q	15.7
1993 to 1995	202	141	108	108	23	Q	2,059	1,824	1,644	1,661	774	Q	21.6
Census Region													
Northeast	725	657	451	602	141	30	11,883	11,180	9,523	10,778	4,634	683	11.6
Midwest	1,139	1,006	811	849	176	49	14,322	13,511	12,033	12,517	4,785	1,057	10.1
South	1,750	1,547	1,433	1,250	310	68	20,830	18,900	18,606	17,511	7,173	1,456	7.4
West	964	815	687	785	202	58	11,736	10,756	9,772	10,754	4,121	697	11.6
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and -- More than 7,000 HDD	493	443	321	384	96	28	5,098	4,901	4,115	4,499	1,511	476	17.2
5,500 to 7,000 HDD	975	877	656	771	157	27	14,597	13,937	11,903	13,291	5,610	701	9.6
4,000 to 5,499 HDD	1,070	927	714	822	203	53	15,155	14,147	12,620	13,546	5,758	1,024	13.8
Fewer than 4,000 HDD	1,103	955	887	864	208	45	13,491	12,350	11,981	11,982	4,570	807	13.6
More than 2,000 CDD and -- Fewer than 4,000 HDD	937	822	803	645	164	51	10,430	9,014	9,315	8,241	3,263	884	12.3

See footnotes at end of table.

Table 20. Energy End Uses, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Build- ings	Energy Used For: (more than one may apply)					All Build- ings	Energy Used For: (more than one may apply)					
		Space Heating	Cooling	Water Heating	Cooking	Manu- factur- ing		Space Heating	Cooling	Water Heating	Cooking	Manu- factur- ing	
RSE Column Factor:	0.9	0.9	0.9	0.9	1.3	2.9	0.7	0.7	0.7	0.7	0.9	2.2	
Workers (main shift)													
Fewer than 5	2,505	2,013	1,542	1,587	283	100	13,885	10,663	8,324	8,772	1,609	608	9.1
5 to 9	798	770	691	705	150	27	6,291	6,086	5,260	5,610	1,272	288	12.2
10 to 19	625	608	549	580	163	21	7,102	6,905	6,449	6,566	1,686	457	10.0
20 to 49	400	390	361	377	135	41	9,132	8,899	8,302	8,763	3,515	884	9.0
50 to 99	138	131	129	127	52	8	6,931	6,642	6,379	6,622	3,362	528	9.3
100 to 249	71	69	69	69	24	5	5,988	5,880	5,872	5,903	2,825	515	9.8
250 or More	43	43	41	42	20	2	9,443	9,272	9,349	9,324	6,444	612	12.0
Weekly Operating Hours													
39 or Fewer	899	620	399	466	92	Q	6,134	4,032	2,845	3,290	872	Q	13.2
40 to 48	1,257	1,207	1,047	1,035	144	97	13,233	12,672	11,401	11,585	2,806	1,237	8.7
49 to 60	969	907	795	742	104	49	12,242	11,658	10,897	10,765	3,379	922	9.6
61 to 84	567	541	446	494	180	21	10,052	9,635	9,212	9,535	5,017	592	10.3
85 to 167	420	366	344	375	212	9	6,202	5,880	5,644	5,928	3,064	301	10.4
Open Continuously	466	385	350	375	96	8	10,908	10,469	9,936	10,457	5,575	671	10.0
Energy Sources (more than one may apply)													
Electricity	4,343	4,004	3,376	3,472	827	204	57,076	54,110	49,785	51,363	20,611	3,885	4.8
Natural Gas	2,478	2,456	2,131	2,201	549	104	38,145	37,950	35,100	36,284	15,968	2,542	5.6
Fuel Oil	607	607	388	504	122	17	14,421	14,236	12,904	13,959	8,018	718	11.2
District Heat	110	109	95	96	17	Q	5,658	5,642	5,128	5,424	2,031	Q	16.8
District Chilled Water	53	52	53	49	10	Q	2,521	2,479	2,521	2,442	982	Q	21.3
Propane	589	579	431	477	172	31	5,344	5,281	4,520	4,934	2,322	521	15.5
Other	213	210	107	158	30	Q	2,336	2,312	1,943	2,024	945	Q	20.8
Energy End Uses (more than one may apply)													
Buildings with Space Heating	4,024	4,024	3,326	3,418	804	181	54,347	54,347	49,090	50,796	20,338	3,689	4.9
Buildings with Cooling	3,381	3,326	3,381	2,968	724	165	49,935	49,090	49,935	47,249	19,465	3,587	4.8
Buildings with Water Heating	3,486	3,418	2,968	3,486	816	169	51,560	50,796	47,249	51,560	20,632	3,666	4.9
Buildings with Cooking	828	804	724	816	828	27	20,713	20,338	19,465	20,632	20,713	1,004	6.4
Buildings with Manufacturing	204	181	165	169	27	204	3,893	3,689	3,587	3,666	1,004	3,893	14.4
Buildings with Electricity Generation	247	246	206	238	65	8	13,366	13,165	12,986	13,239	8,345	594	9.9
Energy-Related Space Functions (more than one may apply)													
Commercial Food Preparation	828	804	724	816	828	27	20,713	20,338	19,465	20,632	20,713	1,004	6.4
Computer Room	234	231	234	230	55	25	12,890	12,731	12,890	12,726	6,634	1,130	9.4
Activities with Large Amounts of Hot Water	243	233	200	243	84	3	6,753	6,658	6,354	6,753	4,632	255	12.5

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

Notes: • To obtain 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 21. Space-Heating Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
			0.8	0.6	1.4	1.4	1.7	2.4	
RSE Column Factor:	0.5	0.5	0.8	0.6	1.4	1.4	1.7	2.4	
All Buildings	4,579	4,024	1,467	2,211	504	109	301	103	9.1
Building Floorspace (Square Feet)									
1,001 to 5,000	2,399	2,060	687	1,019	312	Q	205	Q	10.7
5,001 to 10,000	1,035	899	330	559	81	Q	53	Q	16.4
10,001 to 25,000	745	685	296	398	73	25	33	Q	16.7
25,001 to 50,000	213	198	82	125	17	17	6	Q	12.2
50,001 to 100,000	115	111	45	69	12	11	3	Q	12.0
100,001 to 200,000	48	46	16	28	6	8	Q	Q	12.4
200,001 to 500,000	19	18	8	10	3	4	Q	Q	13.6
Over 500,000	6	6	3	3	1	1	Q	Q	15.7
Principal Building Activity									
Education	309	309	96	180	26	36	11	Q	22.2
Food Sales	137	124	63	44	Q	Q	Q	Q	29.0
Food Service	285	274	115	140	Q	Q	Q	Q	22.4
Health Care	105	105	53	42	11	4	Q	Q	33.5
Lodging	158	158	93	66	Q	11	Q	Q	23.0
Mercantile and Service	1,289	1,217	355	732	210	Q	69	63	15.2
Office	705	704	285	412	72	20	Q	Q	17.2
Public Assembly	326	310	85	185	46	9	Q	Q	27.7
Public Order and Safety	87	81	21	29	Q	Q	Q	Q	50.8
Religious Worship	269	269	96	145	41	Q	Q	Q	25.2
Warehouse and Storage	580	325	136	168	29	Q	25	Q	28.5
Other	67	53	36	14	Q	Q	Q	Q	62.2
Vacant	261	95	34	54	16	Q	Q	Q	31.7
Year Constructed									
1919 or Before	353	316	53	230	62	22	Q	Q	28.0
1920 to 1945	562	496	112	335	70	20	Q	Q	21.0
1946 to 1959	867	769	244	473	133	13	29	Q	15.1
1960 to 1969	718	652	219	347	91	23	49	Q	17.1
1970 to 1979	813	722	296	395	45	Q	53	Q	15.8
1980 to 1989	846	741	385	306	73	7	100	Q	17.2
1990 to 1992	218	189	99	81	Q	Q	Q	Q	29.1
1993 to 1995	202	141	60	43	Q	Q	Q	Q	41.2
Census Region									
Northeast	725	657	150	250	267	24	60	Q	19.4
Midwest	1,139	1,006	220	747	67	35	84	Q	19.3
South	1,750	1,547	730	694	160	32	143	Q	15.1
West	964	815	367	521	Q	18	Q	Q	18.9
Climate Zone: 45-Year Average									
Fewer than 2,000 CDD and --									
More than 7,000 HDD	493	443	131	248	89	3	62	Q	23.5
5,500 to 7,000 HDD	975	877	172	601	131	30	55	Q	16.4
4,000 to 5,499 HDD	1,070	927	302	417	229	44	81	Q	25.7
Fewer than 4,000 HDD	1,103	955	427	594	29	10	68	Q	23.9
More than 2,000 CDD and --									
Fewer than 4,000 HDD	937	822	435	351	26	Q	Q	Q	24.1

See footnotes at end of table.

Table 21. Space-Heating Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
			0.8	0.6	1.4	1.4	1.7	2.4	
RSE Column Factor:	0.5	0.5	0.8	0.6	1.4	1.4	1.7	2.4	
Workers (main shift)									
Fewer than 5	2,505	2,013	621	1,046	305	34	192	76	13.1
5 to 9	798	770	270	494	62	15	43	Q	20.0
10 to 19	625	608	269	324	91	Q	37	Q	18.0
20 to 49	400	390	199	207	25	16	19	Q	16.9
50 to 99	138	131	54	78	10	17	Q	Q	16.2
100 to 249	71	69	33	41	7	8	Q	Q	14.7
250 or More	43	43	21	20	5	9	Q	Q	20.7
Weekly Operating Hours									
39 or Fewer	899	620	168	312	109	Q	84	Q	19.7
40 to 48	1,257	1,207	483	683	129	23	70	Q	15.3
49 to 60	969	907	324	525	124	23	44	Q	16.7
61 to 84	567	541	203	328	53	12	18	Q	19.5
85 to 167	420	366	122	188	32	11	51	Q	20.4
Open Continuously	466	385	168	175	58	32	34	Q	19.6
Predominant Exterior Wall Material									
Masonry	3,061	2,774	974	1,635	302	93	170	Q	10.2
Siding or Shingles	639	572	222	224	118	Q	76	Q	22.2
Metal Panels	662	480	190	253	66	Q	49	Q	20.7
Concrete Panels	106	98	49	48	Q	5	Q	Q	30.3
Window Glass	46	46	12	33	Q	2	Q	Q	48.9
Other	50	40	19	Q	Q	Q	Q	Q	56.9
No One Major Type	15	14	Q	Q	Q	Q	Q	Q	94.6
Predominant Roof Material									
Built-Up	1,369	1,257	444	803	89	61	36	Q	15.9
Shingles (Not Wood)	1,486	1,386	453	646	247	20	172	Q	14.9
Metal Surfacing	908	672	279	342	92	Q	61	Q	17.0
Synthetic or Rubber	351	334	122	194	43	16	16	Q	20.9
Slate or Tile	202	173	86	98	23	9	Q	Q	29.3
Wooden Materials	152	123	47	76	Q	Q	Q	Q	44.5
Concrete	58	40	28	Q	Q	Q	Q	Q	56.5
Other	36	23	Q	Q	Q	Q	Q	Q	85.1
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)									
Electricity	4,343	4,004	1,467	2,209	492	109	301	96	9.1
Natural Gas	2,478	2,456	559	2,211	81	29	Q	Q	10.2
Fuel Oil	607	607	172	96	504	20	23	Q	22.1
District Heat	110	109	9	7	Q	109	Q	Q	27.0
District Chilled Water	53	52	5	6	Q	46	Q	Q	40.8
Propane	589	579	191	91	133	Q	301	Q	20.2
Other	213	210	47	57	60	Q	Q	103	27.0
Primary Space-Heating Energy Source									
Electricity	1,007	1,007	1,007	82	Q	Q	Q	Q	18.6
Natural Gas	2,106	2,106	302	2,106	21	Q	Q	Q	11.9
Fuel Oil	439	439	91	9	439	Q	Q	Q	28.6
District Heat	107	107	9	5	Q	107	Q	Q	28.2
Propane	260	260	50	Q	Q	Q	260	Q	27.5
Other	61	61	Q	Q	Q	Q	Q	Q	58.6

See footnotes at end of table.

Table 21. Space-Heating Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.8	0.6	1.4	1.4	1.7	2.4	
Cooling Energy Sources (more than one may apply)									
Electricity	3,293	3,238	1,306	1,884	288	66	216	Q	9.6
Natural Gas	65	65	15	64	1	Q	Q	Q	43.2
District Chilled Water	53	52	5	6	Q	46	Q	Q	40.8
Water-Heating Energy Sources (more than one may apply)									
Electricity	1,684	1,643	878	604	219	26	149	Q	14.1
Natural Gas	1,577	1,555	366	1,386	57	19	Q	Q	14.3
Fuel Oil	120	120	31	4	117	Q	Q	Q	38.8
District Heat	54	53	5	2	Q	53	Q	Q	30.2
Propane	110	103	41	Q	Q	Q	62	Q	36.7
Cooking Energy Sources (more than one may apply)									
Electricity	487	473	232	217	59	6	50	Q	18.6
Natural Gas	448	438	121	350	26	10	Q	Q	18.5
Propane	123	117	62	Q	30	Q	62	Q	29.7
Energy End Uses (more than one may apply)									
Buildings with Space Heating	4,024	4,024	1,467	2,211	504	109	301	103	9.1
Buildings with Cooling	3,381	3,326	1,319	1,932	299	95	222	Q	9.6
Buildings with Water Heating	3,486	3,418	1,278	1,936	408	95	220	70	10.0
Buildings with Cooking	828	804	314	436	92	17	74	Q	13.8
Buildings with Manufacturing	204	181	96	79	Q	Q	Q	Q	33.2
Buildings with Electricity Generation	247	246	86	127	69	21	Q	Q	23.3
Percent of Floorspace Heated									
Not Heated	554	--	--	--	--	--	--	--	20.9
1 to 50	555	555	234	249	84	Q	30	Q	21.0
51 to 99	633	633	242	394	81	7	26	Q	18.7
100	2,836	2,836	991	1,567	340	101	245	51	10.2
Heating Equipment (more than one may apply)									
Heat Pumps	394	394	391	56	36	2	Q	Q	20.4
Furnaces	1,676	1,676	395	1,180	214	Q	168	Q	12.6
Individual Space Heaters	1,188	1,188	603	670	146	9	114	Q	14.4
District Heat	115	115	10	7	Q	109	Q	Q	26.4
Boilers	610	610	138	381	212	Q	27	Q	17.3
Packaged Heating Units	1,031	1,031	465	631	27	4	58	Q	17.1
Other	161	161	94	54	37	3	Q	Q	30.6

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

-- = Data not applicable.

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 22. Space-Heating Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.7	0.6	1.3	1.1	1.9	3.4	
All Buildings	58,772	54,347	22,156	31,535	6,606	5,606	2,025	509	7.9
Building Floorspace (Square Feet)									
1,001 to 5,000	6,338	5,506	1,850	2,689	894	Q	537	Q	11.0
5,001 to 10,000	7,530	6,546	2,419	4,069	587	Q	415	Q	17.0
10,001 to 25,000	11,617	10,706	4,544	6,359	1,061	370	504	Q	16.5
25,001 to 50,000	7,676	7,157	2,925	4,460	614	635	202	Q	13.1
50,001 to 100,000	7,968	7,699	3,148	4,744	802	744	214	Q	12.3
100,001 to 200,000	6,776	6,456	2,349	3,883	808	1,083	Q	Q	13.7
200,001 to 500,000	5,553	5,371	2,414	2,968	1,008	1,211	Q	Q	15.0
Over 500,000	5,313	4,906	2,506	2,363	832	1,351	Q	Q	17.4
Principal Building Activity									
Education	7,740	7,740	2,106	4,650	1,612	1,077	169	Q	14.5
Food Sales	642	609	260	330	Q	Q	Q	Q	26.7
Food Service	1,353	1,299	482	765	Q	Q	Q	Q	27.2
Health Care	2,333	2,333	926	1,252	553	605	Q	Q	15.9
Lodging	3,618	3,608	2,054	1,791	Q	616	Q	Q	20.1
Mercantile and Service	12,728	12,227	5,636	7,064	1,383	Q	463	333	14.7
Office	10,478	10,458	5,049	5,386	970	1,532	Q	Q	12.7
Public Assembly	3,948	3,836	1,171	2,396	371	636	Q	Q	19.8
Public Order and Safety	1,271	1,154	244	620	304	327	Q	Q	33.1
Religious Worship	2,792	2,791	1,034	1,727	406	Q	Q	Q	21.8
Warehouse and Storage	8,481	6,419	2,586	4,421	474	Q	241	Q	19.7
Other	1,004	907	289	529	Q	170	Q	Q	40.0
Vacant	2,384	966	320	606	162	Q	Q	Q	30.0
Year Constructed									
1919 or Before	3,673	3,429	726	2,118	851	556	Q	Q	22.1
1920 to 1945	6,710	5,951	1,656	3,958	793	864	Q	Q	17.5
1946 to 1959	9,298	8,701	2,881	5,493	1,222	936	153	Q	15.3
1960 to 1969	10,858	10,024	3,392	5,953	1,558	1,386	402	Q	13.3
1970 to 1979	11,333	10,489	4,886	5,995	1,050	965	390	Q	11.6
1980 to 1989	12,252	11,462	6,457	5,766	806	492	641	Q	13.6
1990 to 1992	2,590	2,467	1,399	1,329	Q	258	Q	Q	19.9
1993 to 1995	2,059	1,824	759	923	Q	Q	Q	Q	23.9
Census Region									
Northeast	11,883	11,180	3,081	5,043	3,856	1,765	540	Q	14.6
Midwest	14,322	13,511	4,058	9,826	1,018	1,902	401	Q	13.5
South	20,830	18,900	9,971	9,805	1,540	1,006	959	Q	13.6
West	11,736	10,756	5,046	6,861	192	933	124	Q	20.2
Climate Zone: 45-Year Average									
Fewer than 2,000 CDD and --									
More than 7,000 HDD	5,098	4,901	1,471	3,219	1,288	267	393	Q	19.9
5,500 to 7,000 HDD	14,597	13,937	3,970	9,602	1,610	1,919	385	Q	15.6
4,000 to 5,499 HDD	15,155	14,147	5,350	6,812	3,148	2,267	550	Q	15.6
Fewer than 4,000 HDD	13,491	12,350	5,836	8,152	375	537	Q	Q	20.0
More than 2,000 CDD and --									
Fewer than 4,000 HDD	10,430	9,014	5,528	3,750	185	617	Q	Q	19.6

See footnotes at end of table.

Table 22. Space-Heating Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.7	0.6	1.3	1.1	1.9	3.4	
Workers (main shift)									
Fewer than 5	13,885	10,663	3,502	5,816	1,512	407	803	217	13.8
5 to 9	6,291	6,086	2,251	3,886	520	303	309	Q	18.7
10 to 19	7,102	6,905	2,862	4,163	750	258	268	Q	16.3
20 to 49	9,132	8,899	3,643	5,507	742	617	222	Q	13.1
50 to 99	6,931	6,642	2,533	4,086	662	704	Q	Q	13.8
100 to 249	5,988	5,880	2,861	3,361	910	864	Q	Q	14.2
250 or More	9,443	9,272	4,504	4,716	1,509	2,454	Q	Q	12.5
Weekly Operating Hours									
39 or Fewer	6,134	4,032	1,102	2,344	607	Q	442	Q	17.8
40 to 48	13,233	12,672	5,214	7,678	1,122	762	490	Q	15.1
49 to 60	12,242	11,658	4,550	6,729	1,465	970	357	Q	13.7
61 to 84	10,052	9,635	4,929	5,662	933	628	182	Q	13.6
85 to 167	6,202	5,880	1,904	3,418	651	840	245	Q	15.9
Open Continuously	10,908	10,469	4,457	5,705	1,827	2,285	309	Q	11.5
Predominant Exterior Wall Material									
Masonry	42,958	40,217	16,089	23,584	4,887	4,365	1,344	Q	8.7
Siding or Shingles	3,243	2,919	1,167	1,307	642	Q	284	Q	26.1
Metal Panels	5,694	4,559	1,830	2,958	622	Q	269	Q	17.2
Concrete Panels	4,069	3,932	1,939	2,308	189	550	Q	Q	18.5
Window Glass	1,755	1,754	700	923	Q	335	Q	Q	22.5
Other	660	603	322	261	Q	Q	Q	Q	30.3
No One Major Type	393	363	Q	Q	Q	Q	Q	Q	65.9
Predominant Roof Material									
Built-Up	24,481	23,087	9,351	13,589	2,442	2,956	333	Q	11.2
Shingles (Not Wood)	11,093	10,450	3,873	5,482	1,557	543	848	Q	13.8
Metal Surfacing	7,941	6,463	2,885	3,847	636	Q	448	Q	14.9
Synthetic or Rubber	10,235	10,099	4,075	6,233	1,592	1,434	315	Q	12.5
Slate or Tile	1,920	1,765	736	888	258	322	Q	Q	22.7
Wooden Materials	1,130	985	344	662	Q	Q	Q	Q	44.2
Concrete	1,335	903	641	491	Q	Q	Q	Q	36.7
Other	332	290	Q	Q	Q	Q	Q	Q	46.8
No One Major Type	305	305	Q	Q	Q	Q	Q	Q	55.8
Energy Sources (more than one may apply)									
Electricity	57,076	54,110	22,156	31,411	6,550	5,595	2,021	472	8.0
Natural Gas	38,145	37,950	12,499	31,535	3,320	2,308	257	Q	9.3
Fuel Oil	14,421	14,236	5,396	6,421	6,606	2,148	327	Q	11.9
District Heat	5,658	5,642	1,049	627	466	5,606	Q	Q	18.5
District Chilled Water	2,521	2,479	621	377	Q	2,110	Q	Q	22.2
Propane	5,344	5,281	2,027	1,417	1,323	Q	2,025	Q	18.9
Other	2,336	2,312	575	1,020	513	303	Q	509	23.5
Primary Space-Heating Energy Source									
Electricity	13,500	13,500	13,500	2,044	267	Q	Q	Q	15.3
Natural Gas	28,808	28,808	6,526	28,808	1,613	Q	214	Q	10.0
Fuel Oil	4,207	4,207	764	238	4,207	Q	Q	Q	24.7
District Heat	5,289	5,289	852	382	319	5,289	Q	Q	19.7
Propane	1,545	1,545	373	Q	Q	Q	1,545	Q	30.6
Other	514	514	Q	Q	Q	Q	Q	Q	48.9

See footnotes at end of table.

Table 22. Space-Heating Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Space-Heating Energy Sources Used (more than one may apply)						RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	Wood	
RSE Column Factor:	0.5	0.5	0.7	0.6	1.3	1.1	1.9	3.4	
Cooling Energy Sources (more than one may apply)									
Electricity	47,761	46,934	20,699	28,273	5,111	3,821	1,620	Q	8.1
Natural Gas	1,314	1,312	435	1,176	254	Q	Q	Q	29.8
District Chilled Water	2,521	2,479	621	377	Q	2,110	Q	Q	22.2
Water-Heating Energy Sources (more than one may apply)									
Electricity	23,056	22,445	13,334	10,129	2,303	1,182	1,189	Q	12.8
Natural Gas	24,859	24,684	7,931	21,367	2,159	729	Q	Q	10.2
Fuel Oil	2,151	2,150	409	332	2,035	Q	Q	Q	28.1
District Heat	3,949	3,933	648	348	Q	3,901	Q	Q	22.2
Propane	1,020	982	520	Q	Q	Q	479	Q	27.7
Cooking Energy Sources (more than one may apply)									
Electricity	12,249	11,951	6,397	6,512	1,738	1,254	413	Q	13.5
Natural Gas	13,195	13,080	5,244	9,395	1,856	1,254	Q	Q	11.1
Propane	1,480	1,451	682	Q	606	Q	475	Q	28.8
Energy End Uses (more than one may apply)									
Buildings with Space Heating	54,347	54,347	22,156	31,535	6,606	5,606	2,025	509	8.0
Buildings with Cooling	49,935	49,090	21,131	29,106	5,285	5,076	1,642	Q	8.1
Buildings with Water Heating	51,560	50,796	20,872	29,727	6,227	5,373	1,781	380	8.4
Buildings with Cooking	20,713	20,338	9,189	11,803	3,145	2,005	664	Q	9.8
Buildings with Manufacturing	3,893	3,689	1,718	2,009	401	Q	Q	Q	20.1
Buildings with Electricity Generation	13,366	13,165	5,565	7,433	2,718	2,412	362	Q	11.2
Percent of Floorspace Heated									
Not Heated	4,425	--	--	--	--	--	--	--	25.5
1 to 50	6,227	6,227	3,108	3,282	479	Q	247	Q	20.9
51 to 99	8,868	8,868	4,183	5,079	1,309	748	173	Q	15.8
100	39,252	39,252	14,864	23,175	4,817	4,793	1,606	228	8.8
Heating Equipment (more than one may apply)									
Heat Pumps	5,843	5,843	5,815	1,948	531	252	Q	Q	15.0
Furnaces	14,923	14,923	4,839	11,369	1,633	Q	964	Q	11.5
Individual Space Heaters	16,809	16,809	9,535	11,128	1,653	1,046	742	Q	12.9
District Heat	5,911	5,911	1,087	640	468	5,606	Q	Q	18.6
Boilers	16,754	16,754	4,855	12,801	4,629	Q	415	Q	10.1
Packaged Heating Units	16,893	16,893	8,898	11,200	827	378	515	Q	12.0
Other	6,249	6,249	4,152	2,824	1,074	873	Q	Q	18.5

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

-- = Data not applicable.

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 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.6	1.6	1.9	
All Buildings	4,579	4,024	1,007	2,106	439	107	260	8.3
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	2,060	522	982	285	Q	181	9.9
5,001 to 10,000	1,035	899	199	546	69	Q	42	15.6
10,001 to 25,000	745	685	193	367	59	25	31	15.3
25,001 to 50,000	213	198	49	113	14	16	4	11.3
50,001 to 100,000	115	111	28	61	8	10	Q	11.0
100,001 to 200,000	48	46	10	25	3	8	Q	12.5
200,001 to 500,000	19	18	4	9	Q	4	Q	12.8
Over 500,000	6	6	2	2	Q	1	Q	16.1
Principal Building Activity								
Education	309	309	67	173	22	35	Q	20.6
Food Sales	137	124	58	43	Q	Q	Q	26.1
Food Service	285	274	85	134	Q	Q	Q	20.5
Health Care	105	105	50	40	Q	4	Q	30.4
Lodging	158	158	77	59	Q	11	Q	21.1
Mercantile and Service	1,289	1,217	227	704	169	Q	61	14.3
Office	705	704	204	391	60	20	Q	16.1
Public Assembly	326	310	51	176	Q	9	Q	25.9
Public Order and Safety	87	81	Q	28	Q	Q	Q	46.5
Religious Worship	269	269	35	137	40	Q	Q	24.5
Warehouse and Storage	580	325	91	161	Q	Q	Q	25.0
Other	67	53	Q	13	Q	Q	Q	60.7
Vacant	261	95	Q	48	Q	Q	Q	33.2
Year Constructed								
1919 or Before	353	316	15	223	45	22	Q	26.0
1920 to 1945	562	496	54	324	68	20	Q	20.7
1946 to 1959	867	769	134	456	124	12	Q	13.2
1960 to 1969	718	652	146	334	81	23	48	15.9
1970 to 1979	813	722	241	378	24	Q	43	15.3
1980 to 1989	846	741	297	270	70	7	90	15.5
1990 to 1992	218	189	72	79	Q	Q	Q	26.6
1993 to 1995	202	141	48	42	Q	Q	Q	37.2
Census Region								
Northeast	725	657	57	236	247	24	52	17.3
Midwest	1,139	1,006	101	736	Q	35	73	18.0
South	1,750	1,547	574	648	141	31	122	14.4
West	964	815	275	487	Q	18	Q	17.2
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	493	443	Q	242	85	3	57	20.1
5,500 to 7,000 HDD	975	877	73	587	109	29	51	15.4
4,000 to 5,499 HDD	1,070	927	206	400	193	43	62	24.3
Fewer than 4,000 HDD	1,103	955	310	550	Q	10	Q	19.9
More than 2,000 CDD and --								
Fewer than 4,000 HDD	937	822	386	327	Q	Q	Q	20.4

See footnotes at end of table.

Table 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995
(Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.6	1.6	1.9	
Workers (main shift)								
Fewer than 5	2,505	2,013	459	994	276	34	174	12.5
5 to 9	798	770	168	482	54	15	Q	18.6
10 to 19	625	608	173	317	73	Q	Q	16.8
20 to 49	400	390	145	189	22	16	Q	14.4
50 to 99	138	131	33	70	8	16	Q	14.5
100 to 249	71	69	20	36	4	8	Q	14.4
250 or More	43	43	9	18	1	9	Q	18.0
Weekly Operating Hours								
39 or Fewer	899	620	114	287	102	Q	83	18.1
40 to 48	1,257	1,207	331	659	105	23	55	14.8
49 to 60	969	907	208	506	112	22	36	15.7
61 to 84	567	541	143	313	50	12	Q	17.6
85 to 167	420	366	89	178	30	10	Q	18.3
Open Continuously	466	385	121	163	40	31	Q	19.1
Predominant Exterior Wall Material								
Masonry	3,061	2,774	640	1,571	280	92	137	9.7
Siding or Shingles	639	572	162	207	102	Q	70	20.2
Metal Panels	662	480	134	236	47	Q	47	19.2
Concrete Panels	106	98	41	45	Q	4	Q	28.4
Window Glass	46	46	Q	32	Q	2	Q	42.9
Other	50	40	17	Q	Q	Q	Q	51.7
No One Major Type	15	14	Q	Q	Q	Q	Q	88.8
Predominant Roof Material								
Built-Up	1,369	1,257	294	772	76	59	Q	13.7
Shingles (Not Wood)	1,486	1,386	319	618	216	20	153	13.9
Metal Surfacing	908	672	191	324	80	Q	58	15.5
Synthetic or Rubber	351	334	82	185	Q	15	Q	17.3
Slate or Tile	202	173	61	80	22	9	Q	26.6
Wooden Materials	152	123	Q	75	Q	Q	Q	41.6
Concrete	58	40	20	Q	Q	Q	Q	50.5
Other	36	23	Q	Q	Q	Q	Q	79.8
No One Major Type	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)								
Electricity	4,343	4,004	1,007	2,105	427	107	259	8.3
Natural Gas	2,478	2,456	240	2,106	58	28	Q	10.3
Fuel Oil	607	607	38	83	439	19	Q	21.0
District Heat	110	109	Q	Q	Q	107	Q	23.4
District Chilled Water	53	52	Q	4	Q	45	Q	39.3
Propane	589	579	88	90	124	Q	260	19.0
Other	213	210	21	47	Q	Q	Q	35.9

See footnotes at end of table.

**Table 23. Primary Space-Heating Energy Sources, Number of Buildings, 1995
(Continued)**
(Thousand)

Building Characteristics	All Buildings	All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.6	1.6	1.9	
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	4,024	1,007	2,106	439	107	260	8.3
Buildings with Cooling	3,381	3,326	913	1,836	255	93	183	9.2
Buildings with Water Heating	3,486	3,418	871	1,841	356	93	179	8.8
Buildings with Cooking	828	804	220	410	83	16	62	12.8
Buildings with Manufacturing	204	181	66	76	Q	Q	Q	30.4
Buildings with Electricity Generation	247	246	45	112	57	20	Q	22.4
Percent of Floorspace Heated								
Not Heated	554	--	--	--	--	--	--	19.6
1 to 50	555	555	179	230	76	Q	29	19.0
51 to 99	633	633	138	379	69	6	Q	16.2
100	2,836	2,836	689	1,497	294	100	212	9.0
Heating Equipment (more than one may apply)								
Heat Pumps	394	394	325	35	Q	2	Q	18.2
Furnaces	1,676	1,676	161	1,141	188	Q	147	12.2
Individual Space Heaters	1,188	1,188	328	613	122	8	99	13.7
District Heat	115	115	Q	2	Q	107	Q	30.0
Boilers	610	610	18	371	183	Q	Q	16.1
Packaged Heating Units	1,031	1,031	346	596	23	3	49	16.2
Other	161	161	52	51	29	3	Q	29.3

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

-- = Data not applicable.

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 24. Primary Space-Heating Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.7	1.3	2.3	
All Buildings	58,772	54,347	13,500	28,808	4,207	5,289	1,545	6.9
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	5,506	1,399	2,602	808	Q	468	9.6
5,001 to 10,000	7,530	6,546	1,442	3,981	488	Q	332	15.3
10,001 to 25,000	11,617	10,706	2,973	5,865	874	370	475	14.4
25,001 to 50,000	7,676	7,157	1,775	4,054	508	594	142	11.5
50,001 to 100,000	7,968	7,699	1,976	4,202	566	737	Q	11.0
100,001 to 200,000	6,776	6,456	1,367	3,503	422	1,051	Q	13.1
200,001 to 500,000	5,553	5,371	1,161	2,601	Q	1,154	Q	13.9
Over 500,000	5,313	4,906	1,407	1,999	Q	1,171	Q	17.6
Principal Building Activity								
Education	7,740	7,740	886	4,323	1,190	1,034	Q	12.8
Food Sales	642	609	242	308	Q	Q	Q	23.4
Food Service	1,353	1,299	322	742	Q	Q	Q	24.9
Health Care	2,333	2,333	405	1,144	Q	571	Q	15.8
Lodging	3,618	3,608	1,456	1,442	Q	585	Q	17.8
Mercantile and Service	12,728	12,227	3,824	6,526	959	Q	386	13.1
Office	10,478	10,458	3,537	4,828	455	1,477	Q	11.1
Public Assembly	3,948	3,836	533	2,179	Q	574	Q	18.3
Public Order and Safety	1,271	1,154	Q	592	Q	246	Q	32.4
Religious Worship	2,792	2,791	391	1,582	396	Q	Q	21.1
Warehouse and Storage	8,481	6,419	1,422	4,173	308	Q	Q	19.8
Other	1,004	907	169	474	Q	159	Q	38.6
Vacant	2,384	966	Q	494	Q	Q	Q	28.0
Year Constructed								
1919 or Before	3,673	3,429	185	2,008	565	556	Q	20.7
1920 to 1945	6,710	5,951	667	3,626	640	825	Q	17.2
1946 to 1959	9,298	8,701	1,405	5,173	888	882	Q	14.4
1960 to 1969	10,858	10,024	1,704	5,445	1,018	1,303	368	12.3
1970 to 1979	11,333	10,489	3,286	5,396	434	919	286	11.3
1980 to 1989	12,252	11,462	4,903	5,093	451	443	509	12.2
1990 to 1992	2,590	2,467	884	1,226	Q	212	Q	17.9
1993 to 1995	2,059	1,824	467	842	Q	Q	Q	21.0
Census Region								
Northeast	11,883	11,180	1,099	4,696	3,020	1,600	435	12.4
Midwest	14,322	13,511	1,549	9,293	Q	1,839	313	12.0
South	20,830	18,900	7,403	8,728	802	945	713	13.1
West	11,736	10,756	3,449	6,091	Q	905	Q	15.0
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	5,098	4,901	322	3,020	875	250	302	17.9
5,500 to 7,000 HDD	14,597	13,937	1,385	9,063	1,133	1,776	330	13.7
4,000 to 5,499 HDD	15,155	14,147	3,127	6,150	1,972	2,176	357	14.2
Fewer than 4,000 HDD	13,491	12,350	3,888	7,356	Q	524	Q	15.6
More than 2,000 CDD and --								
Fewer than 4,000 HDD	10,430	9,014	4,778	3,218	Q	562	Q	18.8

See footnotes at end of table.

Table 24. Primary Space-Heating Energy Sources, Floorspace, 1995
(Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.7	1.3	2.3	
Workers (main shift)								
Fewer than 5	13,885	10,663	2,417	5,445	1,398	407	718	13.0
5 to 9	6,291	6,086	1,257	3,699	430	303	Q	16.4
10 to 19	7,102	6,905	1,858	3,981	546	258	Q	15.1
20 to 49	9,132	8,899	2,380	5,064	578	617	147	11.8
50 to 99	6,931	6,642	1,601	3,543	522	644	Q	12.7
100 to 249	5,988	5,880	1,439	2,995	458	827	Q	13.9
250 or More	9,443	9,272	2,548	4,081	275	2,233	Q	13.1
Weekly Operating Hours								
39 or Fewer	6,134	4,032	617	2,183	555	Q	424	15.6
40 to 48	13,233	12,672	3,332	7,149	831	726	361	14.1
49 to 60	12,242	11,658	2,923	6,235	1,106	945	279	12.6
61 to 84	10,052	9,635	3,066	5,110	650	579	Q	12.4
85 to 167	6,202	5,880	1,158	3,078	436	820	Q	14.1
Open Continuously	10,908	10,469	2,405	5,052	630	2,097	Q	11.6
Predominant Exterior Wall Material								
Masonry	42,958	40,217	9,536	21,672	3,207	4,179	988	8.1
Siding or Shingles	3,243	2,919	795	1,128	500	Q	241	22.2
Metal Panels	5,694	4,559	1,048	2,746	319	Q	243	16.2
Concrete Panels	4,069	3,932	1,267	2,040	Q	488	Q	16.7
Window Glass	1,755	1,754	531	852	Q	288	Q	19.3
Other	660	603	240	218	Q	Q	Q	27.0
No One Major Type	393	363	Q	Q	Q	Q	Q	60.5
Predominant Roof Material								
Built-Up	24,481	23,087	5,871	12,256	1,483	2,775	241	10.5
Shingles (Not Wood)	11,093	10,450	2,568	5,108	1,224	536	734	12.5
Metal Surfacing	7,941	6,463	1,715	3,579	558	Q	373	13.1
Synthetic or Rubber	10,235	10,099	2,135	5,655	649	1,311	Q	11.2
Slate or Tile	1,920	1,765	427	772	238	322	Q	19.7
Wooden Materials	1,130	985	Q	657	Q	Q	Q	40.7
Concrete	1,335	903	346	448	Q	Q	Q	32.8
Other	332	290	Q	Q	Q	Q	Q	43.0
No One Major Type	305	305	Q	Q	Q	Q	Q	51.2
Energy Sources (more than one may apply)								
Electricity	57,076	54,110	13,500	28,686	4,152	5,277	1,541	6.9
Natural Gas	38,145	37,950	5,427	28,808	1,358	2,037	Q	8.3
Fuel Oil	14,421	14,236	2,238	5,479	4,207	1,892	Q	10.5
District Heat	5,658	5,642	Q	Q	Q	5,289	Q	12.6
District Chilled Water	2,521	2,479	Q	261	Q	1,997	Q	20.2
Propane	5,344	5,281	968	1,366	1,142	Q	1,545	16.9
Other	2,336	2,312	188	922	Q	300	Q	28.1

See footnotes at end of table.

Table 24. Primary Space-Heating Energy Sources, Floorspace, 1995
(Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Space Heating	Primary Space-Heating Energy Source Used					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	1.0	0.7	1.7	1.3	2.3	
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	54,347	13,500	28,808	4,207	5,289	1,545	7.0
Buildings with Cooling	49,935	49,090	12,959	26,440	3,076	4,759	1,184	7.4
Buildings with Water Heating	51,560	50,796	12,586	27,119	3,873	5,055	1,304	7.1
Buildings with Cooking	20,713	20,338	5,440	10,627	1,670	1,737	488	9.1
Buildings with Manufacturing	3,893	3,689	1,086	1,861	Q	Q	Q	18.9
Buildings with Electricity Generation	13,366	13,165	2,965	6,500	1,160	2,162	Q	10.7
Percent of Floorspace Heated								
Not Heated	4,425	--	--	--	--	--	--	23.4
1 to 50	6,227	6,227	2,282	3,002	428	Q	221	18.3
51 to 99	8,868	8,868	2,532	4,544	831	708	Q	14.7
100	39,252	39,252	8,687	21,262	2,948	4,515	1,229	7.5
Heating Equipment (more than one may apply)								
Heat Pumps	5,843	5,843	3,949	1,332	Q	229	Q	13.9
Furnaces	14,923	14,923	2,088	10,473	1,229	Q	847	10.5
Individual Space Heaters	16,809	16,809	4,452	9,777	925	973	520	11.8
District Heat	5,911	5,911	Q	252	Q	5,289	Q	18.0
Boilers	16,754	16,754	1,048	12,095	2,893	Q	Q	9.3
Packaged Heating Units	16,893	16,893	5,910	9,891	287	314	362	12.0
Other	6,249	6,249	2,299	2,470	395	730	Q	18.0

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

-- = Data not applicable.

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 25. Cooling Energy Sources, Number of Buildings, and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.6	0.7	0.7	3.1	2.5	0.5	0.5	0.5	2.1	1.5	
All Buildings	4,579	3,381	3,293	65	53	58,772	49,935	47,761	1,314	2,521	6.9
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	1,650	1,614	Q	Q	6,338	4,376	4,294	Q	Q	8.2
5,001 to 10,000	1,035	754	740	Q	Q	7,530	5,531	5,413	Q	Q	14.1
10,001 to 25,000	745	619	597	19	Q	11,617	9,712	9,410	270	239	14.1
25,001 to 50,000	213	187	181	Q	7	7,676	6,760	6,528	Q	275	11.7
50,001 to 100,000	115	103	98	Q	5	7,968	7,178	6,761	Q	348	10.8
100,001 to 200,000	48	44	41	Q	5	6,776	6,175	5,743	Q	587	11.6
200,001 to 500,000	19	18	17	1	2	5,553	5,235	4,949	232	557	11.8
Over 500,000	6	6	5	Q	1	5,313	4,968	4,663	Q	432	14.8
Principal Building Activity											
Education	309	249	234	Q	26	7,740	6,741	6,263	Q	653	16.5
Food Sales	137	128	122	Q	Q	642	612	597	Q	Q	22.7
Food Service	285	272	265	Q	Q	1,353	1,310	1,288	Q	Q	19.9
Health Care	105	105	103	1	2	2,333	2,323	2,168	152	403	16.7
Lodging	158	126	124	Q	Q	3,618	3,193	3,021	Q	Q	19.2
Mercantile and Service	1,289	916	885	24	Q	12,728	11,086	10,781	351	Q	13.0
Office	705	690	677	21	5	10,478	10,360	9,822	325	568	11.9
Public Assembly	326	246	241	Q	Q	3,948	3,394	3,164	Q	372	19.0
Public Order and Safety	87	38	37	Q	Q	1,271	856	802	Q	Q	33.7
Religious Worship	269	223	223	Q	Q	2,792	2,414	2,414	Q	Q	21.4
Warehouse and Storage	580	262	260	Q	Q	8,481	5,991	5,920	Q	Q	21.7
Other	67	53	52	Q	Q	1,004	921	834	Q	Q	44.5
Vacant	261	73	69	Q	Q	2,384	732	687	Q	Q	29.3
Year Constructed											
1919 or Before	353	260	241	Q	Q	3,673	2,818	2,673	Q	Q	21.2
1920 to 1945	562	382	376	Q	Q	6,710	5,038	4,861	Q	187	16.8
1946 to 1959	867	617	601	22	5	9,298	7,549	7,318	248	322	14.1
1960 to 1969	718	508	501	4	10	10,858	8,978	8,538	159	527	13.3
1970 to 1979	813	688	665	Q	Q	11,333	10,389	9,753	412	674	11.2
1980 to 1989	846	657	649	4	7	12,252	11,174	10,860	192	400	12.2
1990 to 1992	218	161	159	Q	Q	2,590	2,345	2,229	Q	Q	20.6
1993 to 1995	202	108	100	Q	Q	2,059	1,644	1,530	Q	Q	26.9
Census Region											
Northeast	725	451	435	Q	3	11,883	9,523	8,986	387	291	14.6
Midwest	1,139	811	785	20	Q	14,322	12,033	11,424	354	778	13.7
South	1,750	1,433	1,413	3	24	20,830	18,606	18,133	247	919	10.9
West	964	687	660	25	10	11,736	9,772	9,219	326	533	13.8
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and -- More than 7,000 HDD	493	321	312	Q	Q	5,098	4,115	3,994	Q	Q	24.1
5,500 to 7,000 HDD	975	656	633	19	8	14,597	11,903	11,259	487	624	13.4
4,000 to 5,499 HDD	1,070	714	691	22	16	15,155	12,620	11,943	520	632	17.3
Fewer than 4,000 HDD	1,103	887	867	15	6	13,491	11,981	11,692	198	432	16.3
More than 2,000 CDD and -- Fewer than 4,000 HDD	937	803	789	Q	Q	10,430	9,315	8,873	Q	726	16.9

See footnotes at end of table.

Table 25. Cooling Energy Sources, Number of Buildings, and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.6	0.7	0.7	3.1	2.5	0.5	0.5	0.5	2.1	1.5	
Workers (main shift)											
Fewer than 5	2,505	1,542	1,498	Q	Q	13,885	8,324	8,073	Q	Q	11.1
5 to 9	798	691	671	Q	Q	6,291	5,260	5,028	Q	Q	14.3
10 to 19	625	549	544	Q	Q	7,102	6,449	6,314	205	Q	13.6
20 to 49	400	361	352	Q	8	9,132	8,302	8,083	Q	250	13.2
50 to 99	138	129	124	Q	8	6,931	6,379	6,039	Q	366	13.3
100 to 249	71	69	66	2	3	5,988	5,872	5,617	230	356	11.9
250 or More	43	41	38	1	5	9,443	9,349	8,608	433	1,172	13.0
Weekly Operating Hours											
39 or Fewer	899	399	398	Q	Q	6,134	2,845	2,814	Q	Q	17.5
40 to 48	1,257	1,047	1,018	26	Q	13,233	11,401	10,909	298	350	13.2
49 to 60	969	795	784	Q	11	12,242	10,897	10,597	164	409	12.7
61 to 84	567	446	428	17	8	10,052	9,212	8,843	292	381	13.9
85 to 167	420	344	335	Q	7	6,202	5,644	5,320	Q	395	14.2
Open Continuously	466	350	329	Q	Q	10,908	9,936	9,279	433	919	12.4
Predominant Exterior Wall Material											
Masonry	3,061	2,429	2,366	46	42	42,958	37,394	35,761	964	1,944	7.9
Siding or Shingles	639	448	438	Q	Q	3,243	2,369	2,309	Q	Q	22.8
Metal Panels	662	322	315	Q	Q	5,694	3,713	3,584	Q	Q	15.9
Concrete Panels	106	91	89	Q	3	4,069	3,790	3,633	Q	302	19.5
Window Glass	46	45	44	Q	Q	1,755	1,730	1,593	Q	Q	31.7
Other	50	32	26	Q	Q	660	578	527	Q	Q	40.8
No One Major Type	15	14	14	Q	Q	393	362	355	Q	Q	67.2
Predominant Roof Material											
Built-Up	1,369	1,113	1,075	28	25	24,481	21,744	20,642	596	1,320	10.2
Shingles (Not Wood)	1,486	1,149	1,123	17	Q	11,093	9,125	8,854	282	Q	12.5
Metal Surfacing	908	508	494	Q	Q	7,941	5,564	5,418	Q	Q	13.6
Synthetic or Rubber	351	296	288	6	9	10,235	9,662	9,166	295	682	12.6
Slate or Tile	202	143	141	Q	Q	1,920	1,499	1,386	Q	Q	23.6
Wooden Materials	152	106	105	Q	Q	1,130	730	715	Q	Q	38.3
Concrete	58	39	39	Q	Q	1,335	1,065	1,038	Q	Q	42.2
Other	36	Q	Q	Q	Q	332	272	272	Q	Q	52.5
No One Major Type	Q	Q	Q	Q	Q	305	273	272	Q	Q	54.8
Energy Sources (more than one may apply)											
Electricity	4,343	3,376	3,293	65	53	57,076	49,785	47,761	1,314	2,517	6.9
Natural Gas	2,478	2,131	2,078	65	17	38,145	35,100	33,812	1,314	1,287	7.5
Fuel Oil	607	388	374	3	Q	14,421	12,904	12,230	454	1,076	14.2
District Heat	110	95	66	Q	47	5,658	5,128	3,857	Q	2,140	19.0
District Chilled Water	53	53	21	Q	53	2,521	2,521	1,274	Q	2,521	21.8
Propane	589	431	410	Q	Q	5,344	4,520	4,290	Q	Q	22.6
Other	213	107	102	Q	Q	2,336	1,943	1,692	Q	Q	28.9

See footnotes at end of table.

Table 25. Cooling Energy Sources, Number of Buildings, and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			All Buildings	All Buildings with Cooling	Cooling Energy Sources Used (more than one may apply)			
			Electricity	Natural Gas	District Chilled Water			Electricity	Natural Gas	District Chilled Water	
RSE Column Factor:	0.6	0.7	0.7	3.1	2.5	0.5	0.5	0.5	2.1	1.5	
Primary Space-Heating Energy Source											
Electricity	1,007	913	913	Q	Q	13,500	12,959	12,903	Q	Q	13.5
Natural Gas	2,106	1,836	1,788	64	4	28,808	26,440	25,634	1,150	261	9.0
Fuel Oil	439	255	252	Q	Q	4,207	3,076	3,053	Q	Q	26.9
District Heat	107	93	64	Q	45	5,289	4,759	3,561	Q	1,997	19.2
Propane	260	183	177	Q	Q	1,545	1,184	1,162	Q	Q	31.8
Other	61	Q	Q	Q	Q	514	303	303	Q	Q	53.7
Water-Heating Energy Sources (more than one may apply)											
Electricity	1,684	1,474	1,446	22	Q	23,056	21,611	21,160	395	629	11.7
Natural Gas	1,577	1,383	1,355	41	11	24,859	22,887	22,293	903	498	9.1
Fuel Oil	120	57	57	Q	Q	2,151	1,675	1,659	Q	Q	32.8
District Heat	54	44	25	Q	27	3,949	3,665	2,719	Q	1,465	20.3
Propane	110	79	78	Q	Q	1,020	888	859	Q	Q	35.9
Cooking Energy Sources (more than one may apply)											
Electricity	487	423	421	Q	3	12,249	11,661	11,403	242	620	12.5
Natural Gas	448	401	394	10	7	13,195	12,433	12,031	414	638	11.9
Propane	123	109	109	Q	Q	1,480	1,352	1,338	Q	Q	34.9
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	3,326	3,238	65	52	54,347	49,090	46,934	1,312	2,479	7.1
Buildings with Cooling	3,381	3,381	3,293	65	53	49,935	49,935	47,761	1,314	2,521	6.9
Buildings with Water Heating	3,486	2,968	2,892	59	49	51,560	47,249	45,198	1,218	2,442	7.1
Buildings with Cooking	828	724	716	11	10	20,713	19,465	18,874	531	982	9.6
Buildings with Manufacturing	204	165	154	Q	Q	3,893	3,587	3,337	Q	Q	22.9
Buildings with Electricity Generation	247	206	199	Q	7	13,366	12,986	12,169	577	1,171	12.4
Percent of Floorspace Cooled											
Not Cooled	1,198	--	--	--	--	8,837	--	--	--	--	15.8
1 to 50	930	930	912	17	Q	15,027	15,027	14,632	244	Q	12.0
51 to 99	635	635	618	18	10	12,549	12,549	12,035	373	705	13.4
100	1,816	1,816	1,763	30	40	22,359	22,359	21,095	697	1,645	8.6
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	878	878	861	20	Q	9,238	9,238	9,036	232	169	12.2
Heat Pumps	457	457	457	Q	1	6,931	6,931	6,918	Q	175	13.9
Individual Air Conditioners	862	862	857	Q	Q	12,494	12,494	12,328	215	298	11.2
District Chilled Water	53	53	21	Q	53	2,521	2,521	1,274	Q	2,521	21.8
Central Chillers	109	109	106	5	Q	11,065	11,065	10,729	509	Q	12.6
Packaged Air Conditioning Units	1,431	1,431	1,396	42	5	26,628	26,628	25,949	892	649	9.4
Swamp Coolers	186	186	185	Q	Q	2,451	2,451	2,431	Q	Q	31.4
Other	18	18	18	Q	Q	949	949	919	Q	Q	31.7

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

-- = Data not applicable.

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 26. Water-Heating Energy Sources, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
			0.8	0.7	2.1	1.4	2.0	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.1	1.4	2.0	
All Buildings	4,579	3,486	1,684	1,577	120	54	110	9.4
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	1,689	875	672	Q	Q	Q	10.6
5,001 to 10,000	1,035	780	356	396	17	Q	Q	15.7
10,001 to 25,000	745	644	301	312	26	20	12	17.7
25,001 to 50,000	213	195	83	102	8	10	5	11.3
50,001 to 100,000	115	110	43	60	4	8	Q	11.1
100,001 to 200,000	48	45	16	24	Q	5	Q	12.7
200,001 to 500,000	19	18	7	9	1	3	Q	13.2
Over 500,000	6	6	3	2	Q	1	Q	16.6
Principal Building Activity								
Education	309	258	84	143	15	20	5	19.5
Food Sales	137	125	72	50	Q	Q	Q	28.8
Food Service	285	279	90	161	Q	Q	Q	19.6
Health Care	105	105	56	43	Q	4	Q	30.2
Lodging	158	158	38	99	Q	10	Q	24.0
Mercantile and Service	1,289	916	461	399	28	Q	33	16.6
Office	705	678	397	262	Q	7	Q	14.5
Public Assembly	326	276	124	137	Q	7	Q	27.1
Public Order and Safety	87	69	22	20	Q	Q	Q	45.6
Religious Worship	269	248	116	128	Q	Q	Q	25.5
Warehouse and Storage	580	251	165	82	Q	Q	Q	27.9
Other	67	43	27	Q	Q	Q	Q	54.8
Vacant	261	81	32	42	Q	Q	Q	37.1
Year Constructed								
1919 or Before	353	287	80	189	Q	3	Q	25.0
1920 to 1945	562	429	166	215	22	4	Q	20.4
1946 to 1959	867	656	246	361	50	8	Q	15.5
1960 to 1969	718	562	233	269	Q	18	34	16.8
1970 to 1979	813	632	356	248	Q	Q	Q	14.9
1980 to 1989	846	667	429	217	Q	Q	26	16.8
1990 to 1992	218	145	94	50	Q	1	Q	27.9
1993 to 1995	202	108	80	27	Q	Q	Q	37.8
Census Region								
Northeast	725	602	283	183	93	11	30	17.9
Midwest	1,139	849	311	511	Q	15	32	18.4
South	1,750	1,250	764	452	Q	Q	19	13.1
West	964	785	325	431	Q	13	Q	17.7
Workers (main shift)								
Fewer than 5	2,505	1,587	732	722	35	Q	67	12.7
5 to 9	798	705	377	317	Q	Q	Q	16.4
10 to 19	625	580	305	233	45	Q	Q	16.9
20 to 49	400	377	170	183	9	12	Q	14.7
50 to 99	138	127	50	69	3	6	Q	13.8
100 to 249	71	69	28	36	3	5	Q	14.8
250 or More	43	42	21	16	1	6	Q	21.4

See footnotes at end of table.

Table 26. Water-Heating Energy Sources, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
			0.8	0.7	2.1	1.4	2.0	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.1	1.4	2.0	
Weekly Operating Hours								
39 or Fewer	899	466	231	201	Q	Q	Q	20.1
40 to 48	1,257	1,035	567	427	14	Q	Q	13.9
49 to 60	969	742	360	332	38	6	Q	15.1
61 to 84	567	494	214	258	18	9	Q	19.6
85 to 167	420	375	171	174	Q	9	Q	18.5
Open Continuously	466	375	141	185	Q	16	29	17.8
Energy Sources (more than one may apply)								
Electricity	4,343	3,472	1,684	1,575	120	54	110	9.3
Natural Gas	2,478	2,201	655	1,577	21	11	Q	8.2
Fuel Oil	607	504	251	115	120	9	Q	19.9
District Heat	110	96	26	19	Q	54	Q	32.5
District Chilled Water	53	49	Q	11	Q	27	Q	38.3
Propane	589	477	268	59	53	Q	110	21.7
Other	213	158	78	58	Q	Q	Q	36.1
Primary Space-Heating Energy Source								
Electricity	1,007	871	681	166	Q	Q	26	17.2
Natural Gas	2,106	1,841	563	1,333	2	Q	Q	10.5
Fuel Oil	439	356	201	36	103	Q	Q	25.5
District Heat	107	93	26	17	Q	52	Q	33.4
Propane	260	179	118	Q	Q	Q	61	27.4
Other	61	35	Q	Q	Q	Q	Q	69.8
Cooking Energy Sources (more than one may apply)								
Electricity	487	479	249	208	27	4	27	16.9
Natural Gas	448	447	88	370	Q	5	Q	15.3
Propane	123	123	79	Q	17	Q	45	27.5
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	3,418	1,643	1,555	120	53	103	9.5
Buildings with Cooling	3,381	2,968	1,474	1,383	57	44	79	9.8
Buildings with Water Heating	3,486	3,486	1,684	1,577	120	54	110	9.5
Buildings with Cooking	828	816	329	441	42	7	47	12.8
Buildings with Manufacturing	204	169	102	56	Q	Q	Q	30.8
Buildings with Electricity Generation	247	238	85	121	Q	10	5	19.2
Water-Heating Equipment (more than one may apply)								
Centralized System	2,671	2,671	1,195	1,245	98	47	89	10.8
Distributed System	742	742	469	285	Q	3	21	16.3
Combination of Centralized and Distributed System	73	73	19	47	Q	4	Q	33.6

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 27. Water-Heating Energy Sources, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.0	1.4	2.2	
All Buildings	58,772	51,560	23,056	24,859	2,151	3,949	1,020	7.1
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	4,617	2,408	1,781	Q	Q	Q	10.0
5,001 to 10,000	7,530	5,652	2,583	2,866	Q	Q	Q	14.5
10,001 to 25,000	11,617	10,053	4,755	4,835	412	294	191	16.7
25,001 to 50,000	7,676	7,060	2,986	3,697	279	364	184	11.7
50,001 to 100,000	7,968	7,611	3,002	4,106	283	562	Q	10.9
100,001 to 200,000	6,776	6,269	2,338	3,334	Q	676	Q	12.7
200,001 to 500,000	5,553	5,303	2,130	2,584	424	951	Q	13.8
Over 500,000	5,313	4,995	2,854	1,656	Q	1,064	Q	17.7
Principal Building Activity								
Education	7,740	7,515	1,917	4,484	968	773	220	12.5
Food Sales	642	599	249	337	Q	Q	Q	25.2
Food Service	1,353	1,342	326	904	Q	Q	Q	23.8
Health Care	2,333	2,327	438	1,332	Q	583	Q	15.9
Lodging	3,618	3,609	531	2,537	Q	591	103	18.1
Mercantile and Service	12,728	10,925	6,687	4,397	331	Q	319	15.0
Office	10,478	10,278	5,631	3,873	244	932	Q	11.8
Public Assembly	3,948	3,632	1,333	1,990	Q	413	Q	16.2
Public Order and Safety	1,271	1,018	254	400	Q	Q	Q	31.7
Religious Worship	2,792	2,685	1,199	1,587	Q	Q	Q	20.6
Warehouse and Storage	8,481	5,845	3,901	2,094	Q	Q	Q	19.7
Other	1,004	893	297	416	Q	129	Q	37.8
Vacant	2,384	892	292	509	Q	Q	Q	30.1
Year Constructed								
1919 or Before	3,673	3,206	980	1,858	Q	298	Q	20.5
1920 to 1945	6,710	5,349	1,860	2,745	288	567	Q	16.7
1946 to 1959	9,298	8,136	2,910	4,593	573	681	Q	15.1
1960 to 1969	10,858	9,722	3,320	5,237	493	1,089	259	12.5
1970 to 1979	11,333	10,117	5,138	4,393	358	821	Q	11.7
1980 to 1989	12,252	11,105	6,759	4,321	Q	259	303	12.6
1990 to 1992	2,590	2,263	1,184	996	Q	141	Q	17.6
1993 to 1995	2,059	1,661	905	716	Q	Q	Q	21.6
Census Region								
Northeast	11,883	10,778	4,689	3,848	1,668	1,260	325	12.4
Midwest	14,322	12,517	4,516	7,261	Q	1,271	224	11.6
South	20,830	17,511	9,757	7,767	309	646	279	13.5
West	11,736	10,754	4,094	5,983	Q	772	Q	15.3
Workers (main shift)								
Fewer than 5	13,885	8,772	3,867	4,290	224	Q	232	14.6
5 to 9	6,291	5,610	2,705	2,543	Q	Q	Q	15.8
10 to 19	7,102	6,566	3,220	3,000	320	Q	Q	14.5
20 to 49	9,132	8,763	3,897	4,589	330	420	Q	11.8
50 to 99	6,931	6,622	2,553	3,579	290	473	Q	13.6
100 to 249	5,988	5,903	2,257	3,145	346	668	Q	13.4
250 or More	9,443	9,324	4,558	3,713	337	1,829	Q	12.8

See footnotes at end of table.

Table 27. Water-Heating Energy Sources, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Buildings with Water Heating	Water-Heating Energy Sources Used (more than one may apply)					RSE Row Factor
			Electricity	Natural Gas	Fuel Oil	District Heat	Propane	
RSE Column Factor:	0.5	0.5	0.8	0.7	2.0	1.4	2.2	
Weekly Operating Hours								
39 or Fewer	6,134	3,290	1,285	1,839	Q	Q	Q	17.7
40 to 48	13,233	11,585	6,028	5,150	342	314	Q	14.8
49 to 60	12,242	10,765	5,086	4,935	615	565	Q	12.6
61 to 84	10,052	9,535	5,110	4,458	310	435	Q	12.5
85 to 167	6,202	5,928	2,462	2,851	Q	684	Q	13.9
Open Continuously	10,908	10,457	3,086	5,626	420	1,883	239	11.7
Energy Sources (more than one may apply)								
Electricity	57,076	51,363	23,056	24,756	2,151	3,937	1,020	7.1
Natural Gas	38,145	36,284	12,144	24,859	972	1,528	Q	8.4
Fuel Oil	14,421	13,959	5,452	6,028	2,151	1,506	267	11.3
District Heat	5,658	5,424	1,182	743	Q	3,949	Q	16.7
District Chilled Water	2,521	2,442	629	498	Q	1,465	Q	18.8
Propane	5,344	4,934	2,837	847	584	Q	1,020	17.0
Other	2,336	2,024	702	1,073	Q	215	Q	26.2
Primary Space-Heating Energy Source								
Electricity	13,500	12,586	9,502	3,338	Q	Q	323	14.3
Natural Gas	28,808	27,119	8,964	19,924	224	Q	Q	9.1
Fuel Oil	4,207	3,873	1,718	663	1,659	Q	Q	19.3
District Heat	5,289	5,055	1,073	623	Q	3,717	Q	17.3
Propane	1,545	1,304	896	Q	Q	Q	436	26.3
Other	514	392	Q	Q	Q	Q	Q	52.7
Cooking Energy Sources (more than one may apply)								
Electricity	12,249	12,179	6,281	5,991	619	973	291	12.1
Natural Gas	13,195	13,178	3,799	9,611	678	988	Q	10.4
Propane	1,480	1,480	943	Q	315	Q	517	22.3
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	50,796	22,445	24,684	2,150	3,933	982	7.3
Buildings with Cooling	49,935	47,249	21,611	22,887	1,675	3,665	888	7.3
Buildings with Water Heating	51,560	51,560	23,056	24,859	2,151	3,949	1,020	7.1
Buildings with Cooking	20,713	20,632	8,455	11,489	1,214	1,548	609	8.7
Buildings with Manufacturing	3,893	3,666	1,926	1,459	Q	Q	Q	19.1
Buildings with Electricity Generation	13,366	13,239	5,355	6,779	825	1,759	253	10.9
Water-Heating Equipment (more than one may apply)								
Centralized System	31,656	31,656	10,941	16,401	1,618	2,963	612	8.3
Distributed System	16,495	16,495	11,036	6,316	293	458	383	11.8
Combination of Centralized and Distributed System	3,409	3,409	1,079	2,143	Q	528	Q	16.4

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 28. Cooking Energy Sources, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			
			Electricity	Natural Gas	Propane			Electricity	Natural Gas	Propane	
RSE Column Factor:	0.6	0.9	1.2	1.2	2.4	0.5	0.7	0.9	0.8	2.2	
All Buildings	4,579	828	487	448	123	58,772	20,713	12,249	13,195	1,480	7.0
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	339	230	152	74	6,338	922	609	441	188	12.7
5,001 to 10,000	1,035	175	89	109	Q	7,530	1,319	718	816	Q	18.6
10,001 to 25,000	745	169	88	95	Q	11,617	2,731	1,388	1,549	Q	16.2
25,001 to 50,000	213	66	35	41	5	7,676	2,433	1,275	1,526	171	11.5
50,001 to 100,000	115	42	22	26	4	7,968	2,939	1,561	1,742	303	11.7
100,001 to 200,000	48	22	12	14	Q	6,776	3,028	1,726	1,933	Q	12.0
200,001 to 500,000	19	12	7	8	Q	5,553	3,482	2,186	2,364	Q	11.5
Over 500,000	6	4	3	3	Q	5,313	3,859	2,786	2,824	Q	13.4
Principal Building Activity											
Education	309	113	53	67	9	7,740	4,881	2,715	3,021	447	14.5
Food Sales	137	51	41	17	Q	642	351	242	181	Q	23.7
Food Service	285	241	149	161	69	1,353	1,254	757	937	272	16.2
Health Care	105	18	Q	9	Q	2,333	1,631	946	1,259	Q	21.1
Lodging	158	51	17	40	Q	3,618	2,064	954	1,746	Q	19.0
Mercantile and Service	1,289	135	93	61	8	12,728	4,362	3,005	2,637	318	15.7
Office	705	19	12	10	Q	10,478	2,750	1,793	1,466	Q	12.7
Public Assembly	326	109	61	47	Q	3,948	1,610	749	1,055	Q	21.8
Public Order and Safety	87	4	Q	Q	Q	1,271	260	Q	Q	Q	39.6
Religious Worship	269	72	45	22	Q	2,792	957	598	327	Q	22.5
Warehouse and Storage	580	Q	Q	Q	Q	8,481	311	Q	Q	Q	27.3
Other	67	Q	Q	Q	Q	1,004	Q	Q	Q	Q	45.2
Vacant	261	Q	Q	Q	Q	2,384	Q	Q	Q	Q	27.1
Year Constructed											
1919 or Before	353	77	37	55	Q	3,673	1,272	637	932	Q	23.7
1920 to 1945	562	100	54	54	Q	6,710	1,555	658	1,172	Q	18.6
1946 to 1959	867	129	60	88	Q	9,298	3,177	1,695	2,048	Q	15.3
1960 to 1969	718	147	73	85	Q	10,858	4,207	2,263	2,833	398	14.5
1970 to 1979	813	142	91	68	27	11,333	4,344	2,965	2,604	307	13.8
1980 to 1989	846	168	122	67	50	12,252	4,301	2,852	2,501	454	13.8
1990 to 1992	218	42	32	25	Q	2,590	1,082	732	692	Q	22.1
1993 to 1995	202	23	Q	7	Q	2,059	774	446	415	Q	27.8
Census Region											
Northeast	725	141	84	59	49	11,883	4,634	2,437	2,914	621	14.7
Midwest	1,139	176	105	116	Q	14,322	4,785	3,015	3,506	Q	14.6
South	1,750	310	193	146	34	20,830	7,173	4,311	4,167	594	12.1
West	964	202	105	127	Q	11,736	4,121	2,485	2,609	Q	14.7
Workers (main shift)											
Fewer than 5	2,505	283	165	135	Q	13,885	1,609	834	819	Q	13.7
5 to 9	798	150	94	86	Q	6,291	1,272	665	710	Q	19.3
10 to 19	625	163	106	80	Q	7,102	1,686	1,037	969	Q	17.3
20 to 49	400	135	73	88	18	9,132	3,515	1,827	2,273	271	13.2
50 to 99	138	52	23	31	6	6,931	3,362	1,774	2,113	386	13.1
100 to 249	71	24	14	16	Q	5,988	2,825	1,694	1,897	Q	13.5
250 or More	43	20	12	12	Q	9,443	6,444	4,417	4,413	Q	12.7

See footnotes at end of table.

Table 28. Cooking Energy Sources, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			All Buildings	All Buildings with Cooking	Cooking Energy Sources (more than one may apply)			
			Electricity	Natural Gas	Propane			Electricity	Natural Gas	Propane	
RSE Column Factor:	0.6	0.9	1.2	1.2	2.4	0.5	0.7	0.9	0.8	2.2	
Weekly Operating Hours											
39 or Fewer	899	92	41	54	Q	6,134	872	353	583	Q	19.3
40 to 48	1,257	144	92	61	Q	13,233	2,806	1,547	1,606	Q	13.9
49 to 60	969	104	48	56	28	12,242	3,379	1,817	1,916	362	15.9
61 to 84	567	180	97	115	19	10,052	5,017	3,291	3,187	349	15.0
85 to 167	420	212	161	100	48	6,202	3,064	2,102	1,660	344	13.9
Open Continuously	466	96	48	62	9	10,908	5,575	3,138	4,244	243	14.0
Energy Sources (more than one may apply)											
Electricity	4,343	827	487	448	123	57,076	20,611	12,249	13,104	1,480	6.9
Natural Gas	2,478	549	263	448	Q	38,145	15,968	8,498	13,195	Q	7.7
Fuel Oil	607	122	77	49	31	14,421	8,018	4,916	5,327	676	14.3
District Heat	110	17	6	10	Q	5,658	2,031	1,279	1,276	Q	22.1
District Chilled Water	53	10	3	7	Q	2,521	982	620	638	Q	25.7
Propane	589	172	112	19	123	5,344	2,322	1,183	513	1,480	19.2
Other	213	30	20	8	Q	2,336	945	476	553	Q	25.2
Water-Heating Energy Sources (more than one may apply)											
Electricity	1,684	329	249	88	79	23,056	8,455	6,281	3,799	943	11.1
Natural Gas	1,577	441	208	370	Q	24,859	11,489	5,991	9,611	Q	8.4
Fuel Oil	120	42	27	Q	17	2,151	1,214	619	678	315	26.8
District Heat	54	7	4	5	Q	3,949	1,548	973	988	Q	21.3
Propane	110	47	27	Q	45	1,020	609	291	Q	517	27.0
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	804	473	438	117	54,347	20,338	11,951	13,080	1,451	7.2
Buildings with Cooling	3,381	724	423	401	109	49,935	19,465	11,661	12,433	1,352	7.2
Buildings with Water Heating	3,486	816	479	447	123	51,560	20,632	12,179	13,178	1,480	7.1
Buildings with Cooking	828	828	487	448	123	20,713	20,713	12,249	13,195	1,480	7.4
Buildings with Manufacturing	204	27	17	13	Q	3,893	1,004	661	575	Q	28.8
Buildings with Electricity Generation	247	65	34	43	6	13,366	8,345	5,285	5,953	414	12.4

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 29. Percent of Floorspace Heated, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	
	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
RSE Column Factor:	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
All Buildings	4,579	554	555	633	2,836	58,772	4,425	6,227	8,868	39,252	6.8
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	339	261	286	1,513	6,338	832	732	778	3,996	9.5
5,001 to 10,000	1,035	135	161	161	576	7,530	984	1,103	1,194	4,248	13.4
10,001 to 25,000	745	59	97	136	452	11,617	911	1,565	2,005	7,136	14.1
25,001 to 50,000	213	14	18	27	153	7,676	519	618	1,007	5,531	12.1
50,001 to 100,000	115	4	10	12	89	7,968	268	644	835	6,221	13.0
100,001 to 200,000	48	Q	5	6	35	6,776	Q	806	797	4,853	14.5
200,001 to 500,000	19	Q	1	4	13	5,553	Q	340	1,098	3,932	16.7
Over 500,000	6	Q	1	1	4	5,313	Q	418	1,154	3,334	18.6
Principal Building Activity											
Education	309	Q	Q	41	258	7,740	Q	Q	841	6,780	16.5
Food Sales	137	Q	Q	36	82	642	Q	Q	199	359	25.2
Food Service	285	Q	Q	40	218	1,353	Q	Q	220	981	23.2
Health Care	105	Q	Q	6	92	2,333	Q	Q	234	2,066	23.5
Lodging	158	Q	Q	15	137	3,618	Q	Q	502	3,067	20.8
Mercantile and Service	1,289	72	243	233	740	12,728	501	1,796	2,553	7,878	12.9
Office	705	Q	31	118	555	10,478	Q	375	2,148	7,935	13.7
Public Assembly	326	Q	24	51	236	3,948	Q	267	722	2,848	24.1
Public Order and Safety	87	Q	Q	Q	72	1,271	Q	Q	Q	954	39.9
Religious Worship	269	Q	Q	32	224	2,792	Q	Q	425	2,182	24.5
Warehouse and Storage	580	255	165	34	125	8,481	2,062	2,855	637	2,927	17.1
Other	67	Q	Q	Q	38	1,004	Q	Q	Q	710	50.2
Vacant	261	166	30	Q	60	2,384	1,417	321	Q	565	21.6
Year Constructed											
1919 or Before	353	Q	26	59	231	3,673	Q	275	618	2,536	20.5
1920 to 1945	562	66	107	98	291	6,710	759	1,306	867	3,777	17.0
1946 to 1959	867	98	89	137	543	9,298	597	849	1,563	6,289	14.5
1960 to 1969	718	67	81	123	448	10,858	833	1,037	1,581	7,406	14.3
1970 to 1979	813	91	82	81	559	11,333	844	1,089	1,660	7,740	12.4
1980 to 1989	846	105	103	96	542	12,252	790	1,336	1,885	8,241	13.3
1990 to 1992	218	Q	27	27	135	2,590	Q	159	376	1,933	23.8
1993 to 1995	202	Q	Q	12	88	2,059	Q	Q	319	1,330	30.5
Floors											
One	3,018	442	413	326	1,837	24,552	3,017	3,658	2,741	15,135	8.7
Two	1,002	74	89	209	629	14,122	733	1,348	2,449	9,592	11.8
Three	399	Q	42	72	265	7,335	Q	694	1,064	5,361	18.2
Four to Nine	148	Q	Q	23	96	8,789	Q	466	1,399	6,580	16.6
Ten or More	12	Q	Q	3	9	3,975	Q	Q	1,214	2,583	18.9
Census Region											
Northeast	725	69	77	129	451	11,883	703	1,018	2,501	7,661	16.1
Midwest	1,139	134	148	155	702	14,322	811	1,171	1,480	10,860	13.4
South	1,750	203	197	207	1,143	20,830	1,930	2,379	2,856	13,666	9.3
West	964	149	133	142	540	11,736	981	1,658	2,032	7,066	16.3

See footnotes at end of table.

**Table 29. Percent of Floorspace Heated, Number of Buildings and Floorspace, 1995
(Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	
	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
RSE Column Factor:	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD	493	Q	46	117	281	5,098	Q	428	888	3,585	24.8
5,500 to 7,000 HDD	975	98	104	124	649	14,597	661	1,000	1,781	11,155	14.0
4,000 to 5,499 HDD	1,070	142	150	142	636	15,155	1,009	1,454	2,716	9,976	18.0
Fewer than 4,000 HDD	1,103	148	113	148	694	13,491	1,142	1,640	2,095	8,615	15.4
More than 2,000 CDD and --											
Fewer than 4,000 HDD	937	116	142	102	577	10,430	1,416	1,705	1,388	5,922	14.6
Workers (main shift)											
Fewer than 5	2,505	492	376	288	1,349	13,885	3,223	2,318	1,647	6,697	9.7
5 to 9	798	27	88	147	535	6,291	205	898	1,212	3,976	17.3
10 to 19	625	Q	57	106	445	7,102	196	1,180	1,065	4,660	15.8
20 to 49	400	Q	27	59	304	9,132	Q	830	1,236	6,833	13.4
50 to 99	138	Q	5	15	112	6,931	Q	404	728	5,510	16.1
100 to 249	71	Q	Q	12	56	5,988	Q	Q	995	4,694	14.1
250 or More	43	Q	1	6	36	9,443	Q	405	1,985	6,882	16.7
Weekly Operating Hours											
39 or Fewer	899	280	127	50	444	6,134	2,102	683	351	2,999	15.5
40 to 48	1,257	50	193	171	843	13,233	561	2,452	1,714	8,506	13.4
49 to 60	969	63	151	167	588	12,242	584	1,454	2,163	8,041	13.4
61 to 84	567	26	43	110	388	10,052	417	692	1,822	7,122	16.3
85 to 167	420	54	22	64	279	6,202	322	389	888	4,604	17.4
Open Continuously	466	81	20	71	294	10,908	439	558	1,931	7,980	14.3
Space in Building Vacant for at Least Three Consecutive Months											
Yes	787	245	126	79	337	15,844	2,400	1,708	2,664	9,072	12.2
No	3,791	309	429	554	2,499	42,928	2,025	4,518	6,204	30,180	7.7
Predominant Exterior Wall Material											
Masonry	3,061	287	342	451	1,982	42,958	2,741	3,887	5,949	30,381	8.3
Siding or Shingles	639	67	54	109	409	3,243	325	326	798	1,795	20.5
Metal Panels	662	182	139	48	293	5,694	1,135	1,115	741	2,704	14.7
Concrete Panels	106	Q	17	13	67	4,069	Q	810	635	2,486	22.2
Window Glass	46	Q	Q	Q	36	1,755	Q	Q	464	1,247	31.6
Other	50	Q	Q	Q	35	660	Q	Q	Q	427	41.8
No One Major Type	15	Q	Q	Q	Q	393	Q	Q	Q	212	73.0
Predominant Roof Material											
Built-Up	1,369	112	188	200	869	24,481	1,393	2,889	3,447	16,752	10.8
Shingles (Not Wood)	1,486	100	156	185	1,045	11,093	643	1,237	1,690	7,523	13.1
Metal Surfacing	908	236	160	99	413	7,941	1,478	1,324	1,066	4,073	12.0
Synthetic or Rubber	351	Q	12	59	262	10,235	Q	525	1,552	8,021	14.4
Slate or Tile	202	Q	Q	38	118	1,920	Q	Q	356	1,321	22.7
Wooden Materials	152	Q	Q	Q	76	1,130	Q	Q	Q	653	42.7
Concrete	58	Q	Q	Q	28	1,335	432	Q	Q	540	41.1
Other	36	Q	Q	Q	16	332	Q	Q	Q	193	57.6
No One Major Type	Q	Q	Q	Q	Q	305	Q	Q	Q	176	50.5

See footnotes at end of table.

**Table 29. Percent of Floorspace Heated, Number of Buildings and Floorspace, 1995
(Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	
	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
RSE Column Factor:	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
Energy Sources (more than one may apply)											
Electricity	4,343	340	542	630	2,831	57,076	2,966	6,152	8,859	39,099	7.0
Natural Gas	2,478	22	267	437	1,752	38,145	196	3,715	6,214	28,020	9.9
Fuel Oil	607	Q	93	90	423	14,421	Q	1,003	2,857	10,376	16.4
District Heat	110	Q	Q	7	101	5,658	Q	Q	748	4,828	20.3
District Chilled Water	53	Q	Q	2	49	2,521	Q	Q	285	2,130	28.5
Propane	589	Q	74	77	428	5,344	Q	538	794	3,950	22.1
Other	213	Q	49	30	130	2,336	Q	420	314	1,579	28.5
Space-Heating Energy Sources (more than one may apply)											
Electricity	1,467	--	234	242	991	22,156	--	3,108	4,183	14,864	11.3
Natural Gas	2,211	--	249	394	1,567	31,535	--	3,282	5,079	23,175	8.5
Fuel Oil	504	--	84	81	340	6,606	--	479	1,309	4,817	20.9
District Heat	109	--	Q	7	101	5,606	--	Q	748	4,793	20.2
Propane	301	--	30	26	245	2,025	--	247	173	1,606	28.5
Other	135	--	Q	22	80	1,050	--	Q	218	606	40.8
Primary Space-Heating Energy Source											
Electricity	1,007	--	179	138	689	13,500	--	2,282	2,532	8,687	13.2
Natural Gas	2,106	--	230	379	1,497	28,808	--	3,002	4,544	21,262	8.6
Fuel Oil	439	--	76	69	294	4,207	--	428	831	2,948	23.8
District Heat	107	--	Q	6	100	5,289	--	Q	708	4,515	20.2
Propane	260	--	29	Q	212	1,545	--	221	Q	1,229	31.5
Other	61	--	Q	Q	Q	514	--	Q	Q	Q	49.8
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	--	555	633	2,836	54,347	--	6,227	8,868	39,252	7.0
Buildings with Cooling	3,381	55	386	538	2,401	49,935	844	5,158	8,167	35,766	8.4
Buildings with Water Heating	3,486	69	387	544	2,486	51,560	764	4,976	8,302	37,518	8.3
Buildings with Cooking	828	24	58	128	618	20,713	375	900	3,376	16,062	12.4
Buildings with Manufacturing	204	Q	49	27	106	3,893	204	761	456	2,473	23.2
Buildings with Electricity Generation	247	Q	5	40	201	13,366	Q	479	2,652	10,034	16.0
Percent of Floorspace Cooled											
Not Cooled	1,198	499	169	95	435	8,837	3,581	1,069	702	3,486	14.6
1 to 50	930	24	322	114	470	15,027	Q	4,227	1,793	8,652	13.6
51 to 99	635	Q	Q	354	255	12,549	Q	155	5,548	6,718	13.1
100	1,816	23	47	70	1,676	22,359	362	776	825	20,395	13.1
Percent Lit when Open											
Zero	36	28	Q	Q	Q	189	145	Q	Q	Q	35.7
1 to 50	666	115	201	59	291	6,008	888	1,931	580	2,610	15.8
51 to 99	745	Q	59	258	417	9,692	Q	660	3,083	5,848	15.5
100	2,814	151	255	312	2,096	40,514	1,548	3,350	5,163	30,453	8.9
Building Not in Use/ Electricity Not Used	318	249	Q	Q	25	2,369	1,743	Q	Q	312	24.9

See footnotes at end of table.

**Table 29. Percent of Floorspace Heated, Number of Buildings and Floorspace, 1995
(Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Buildings	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	
	0.6	1.8	1.5	1.3	0.7	0.5	1.8	1.4	1.1	0.5	
RSE Column Factor:											
Heating Equipment (more than one may apply)											
Heat Pumps	394	--	41	53	301	5,843	--	464	1,083	4,296	18.2
Furnaces	1,676	--	216	298	1,163	14,923	--	2,375	2,535	10,013	11.1
Individual Space Heaters	1,188	--	225	209	754	16,809	--	2,381	3,013	11,415	12.4
District Heat	115	--	Q	7	106	5,911	--	Q	805	5,026	20.1
Boilers	610	--	49	87	473	16,754	--	694	2,603	13,456	13.8
Packaged Heating Units	1,031	--	131	159	741	16,893	--	2,191	2,823	11,879	11.0
Other	161	--	29	34	98	6,249	--	563	1,345	4,341	24.8
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,380	155	350	497	2,379	46,355	1,414	3,953	7,499	33,488	8.5
Wall Insulation	2,372	57	232	391	1,693	31,694	582	2,612	5,494	23,006	10.3
Storm or Multiple Glazing	1,897	44	168	318	1,367	28,876	422	2,048	4,642	21,765	10.0
Tinted, Reflective or Shading Glass	1,202	31	134	211	826	24,245	559	2,040	4,188	17,458	12.0
Exterior or Interior Shading or Awnings	2,271	37	266	392	1,576	37,208	541	3,348	6,279	27,040	9.7
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	327	Q	8	46	272	13,473	Q	474	2,578	10,197	14.6
Economizer Cycle	461	Q	31	60	365	16,550	Q	643	3,082	12,759	14.2
HVAC Maintenance	2,403	Q	252	357	1,784	43,134	Q	3,340	6,820	32,876	8.5
Other Energy Efficient Equipment	198	Q	21	28	149	6,453	Q	374	1,036	4,998	17.3
Off-Hour Equipment Reduction (more than one may apply)											
Heating	3,211	--	452	488	2,271	38,326	--	4,883	5,972	27,471	8.1
Cooling	2,707	53	334	414	1,907	35,605	716	4,186	5,640	25,064	9.5
Lighting	3,753	231	491	540	2,491	44,937	2,189	5,268	6,754	30,725	8.2

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

-- = Data not applicable.

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 30. Percent of Floorspace Cooled, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	
	0.7	1.5	1.3	1.4	0.9	0.5	1.4	1.0	0.9	0.7	
RSE Column Factor:											
All Buildings	4,579	1,198	930	635	1,816	58,772	8,837	15,027	12,549	22,359	6.0
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	749	363	289	998	6,338	1,962	1,067	690	2,619	9.2
5,001 to 10,000	1,035	280	254	145	355	7,530	1,999	1,881	1,031	2,620	12.3
10,001 to 25,000	745	125	196	117	307	11,617	1,905	3,265	1,837	4,610	12.0
25,001 to 50,000	213	26	65	39	83	7,676	916	2,282	1,450	3,028	10.1
50,001 to 100,000	115	12	34	24	45	7,968	790	2,263	1,752	3,163	10.6
100,001 to 200,000	48	4	12	13	19	6,776	601	1,722	1,843	2,610	12.6
200,001 to 500,000	19	1	5	6	7	5,553	318	1,493	1,685	2,057	13.5
Over 500,000	6	Q	1	2	2	5,313	Q	1,053	2,261	1,653	16.2
Principal Building Activity											
Education	309	60	64	56	129	7,740	1,000	2,821	1,489	2,431	13.7
Food Sales	137	Q	Q	34	75	642	Q	Q	153	357	24.2
Food Service	285	Q	Q	57	189	1,353	Q	Q	336	835	17.7
Health Care	105	Q	Q	8	77	2,333	Q	Q	760	1,424	19.2
Lodging	158	32	12	22	92	3,618	425	401	811	1,982	20.9
Mercantile and Service	1,289	373	356	199	361	12,728	1,642	3,349	3,171	4,565	11.5
Office	705	Q	51	151	487	10,478	Q	690	3,657	6,014	11.9
Public Assembly	326	80	57	47	143	3,948	554	729	957	1,708	19.0
Public Order and Safety	87	Q	20	8	11	1,271	Q	263	220	373	30.1
Religious Worship	269	46	61	15	146	2,792	378	749	219	1,446	21.2
Warehouse and Storage	580	318	196	Q	49	8,481	2,490	5,082	252	658	17.5
Other	67	Q	9	20	Q	1,004	Q	186	455	281	35.9
Vacant	261	188	39	Q	33	2,384	1,651	376	Q	287	21.4
Year Constructed											
1919 or Before	353	93	106	64	90	3,673	854	1,228	747	842	18.2
1920 to 1945	562	180	136	86	161	6,710	1,672	2,456	1,212	1,370	15.0
1946 to 1959	867	250	191	133	293	9,298	1,749	2,757	1,788	3,004	12.6
1960 to 1969	718	210	158	101	250	10,858	1,880	2,988	2,316	3,673	11.8
1970 to 1979	813	125	163	92	434	11,333	944	2,549	2,688	5,152	11.3
1980 to 1989	846	189	135	129	394	12,252	1,078	2,342	2,826	6,006	11.7
1990 to 1992	218	57	22	18	121	2,590	245	398	537	1,410	19.7
1993 to 1995	202	94	20	12	75	2,059	415	309	434	901	24.2
Floors											
One	3,018	874	551	336	1,257	24,552	4,917	7,140	3,241	9,255	8.4
Two	1,002	211	210	175	406	14,122	1,813	3,743	2,977	5,588	10.4
Three	399	80	139	79	101	7,335	1,069	2,246	1,508	2,511	15.3
Four to Nine	148	32	30	39	46	8,789	869	1,677	2,697	3,547	15.4
Ten or More	12	Q	Q	6	5	3,975	Q	Q	2,126	1,458	16.2
Census Region											
Northeast	725	275	164	102	185	11,883	2,360	3,784	3,063	2,677	12.3
Midwest	1,139	329	283	181	346	14,322	2,289	4,414	3,040	4,578	12.0
South	1,750	317	316	233	884	20,830	2,224	4,311	4,262	10,033	9.4
West	964	278	166	120	401	11,736	1,964	2,517	2,184	5,071	13.2

See footnotes at end of table.

**Table 30. Percent of Floorspace Cooled, Number of Buildings and Floorspace, 1995
(Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	
	0.7	1.5	1.3	1.4	0.9	0.5	1.4	1.0	0.9	0.7	
RSE Column Factor:	0.7	1.5	1.3	1.4	0.9	0.5	1.4	1.0	0.9	0.7	
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD	493	172	119	90	112	5,098	982	1,794	1,186	1,135	21.4
5,500 to 7,000 HDD	975	319	220	144	292	14,597	2,695	4,284	3,343	4,275	10.9
4,000 to 5,499 HDD	1,070	355	253	133	328	15,155	2,535	4,327	3,616	4,677	15.5
Fewer than 4,000 HDD	1,103	217	177	141	569	13,491	1,510	2,789	2,441	6,751	15.4
More than 2,000 CDD and --											
Fewer than 4,000 HDD	937	135	161	128	515	10,430	1,115	1,833	1,962	5,520	14.3
Workers (main shift)											
Fewer than 5	2,505	962	454	240	849	13,885	5,562	3,149	1,106	4,069	9.4
5 to 9	798	107	199	169	323	6,291	1,031	2,136	1,110	2,014	14.4
10 to 19	625	76	146	89	314	7,102	652	2,596	965	2,889	14.0
20 to 49	400	39	84	78	198	9,132	830	2,727	1,939	3,636	12.6
50 to 99	138	9	31	29	69	6,931	552	1,752	1,852	2,775	13.7
100 to 249	71	Q	13	18	38	5,988	Q	1,672	1,453	2,746	12.4
250 or More	43	Q	4	12	25	9,443	Q	994	4,125	4,230	14.3
Weekly Operating Hours											
39 or Fewer	899	501	128	61	209	6,134	3,289	990	421	1,434	14.8
40 to 48	1,257	210	300	142	604	13,233	1,832	4,714	1,931	4,756	11.1
49 to 60	969	175	292	186	316	12,242	1,345	3,925	2,775	4,197	11.8
61 to 84	567	121	106	86	254	10,052	840	2,143	2,812	4,258	13.1
85 to 167	420	76	43	79	222	6,202	558	1,298	1,363	2,983	14.5
Open Continuously	466	116	60	80	210	10,908	973	1,958	3,246	4,732	12.9
Space in Building Vacant for at Least Three Consecutive Months											
Yes	787	310	186	90	202	15,844	2,908	3,024	4,339	5,572	11.6
No	3,791	888	744	546	1,614	42,928	5,929	12,002	8,209	16,787	6.6
Predominant Exterior Wall Material											
Masonry	3,061	632	612	457	1,359	42,958	5,565	10,531	9,276	17,586	6.8
Siding or Shingles	639	190	134	107	208	3,243	874	866	615	888	18.0
Metal Panels	662	340	146	44	132	5,694	1,981	2,047	680	987	14.8
Concrete Panels	106	Q	34	11	46	4,069	279	1,290	1,000	1,500	18.8
Window Glass	46	Q	Q	Q	33	1,755	Q	Q	686	873	25.8
Other	50	Q	Q	3	29	660	Q	Q	204	339	32.7
No One Major Type	15	Q	Q	Q	Q	393	Q	Q	Q	Q	62.2
Predominant Roof Material											
Built-Up	1,369	256	297	225	591	24,481	2,736	6,110	5,540	10,094	9.2
Shingles (Not Wood)	1,486	337	287	183	679	11,093	1,968	2,718	1,637	4,770	10.8
Metal Surfacing	908	401	193	81	233	7,941	2,377	2,438	996	2,130	12.5
Synthetic or Rubber	351	55	60	75	162	10,235	573	2,446	3,387	3,829	13.1
Slate or Tile	202	59	43	46	54	1,920	421	567	394	537	21.2
Wooden Materials	152	Q	Q	Q	57	1,130	Q	Q	Q	368	33.5
Concrete	58	Q	Q	Q	21	1,335	Q	315	360	391	40.2
Other	36	Q	Q	Q	Q	332	Q	Q	Q	Q	46.0
No One Major Type	Q	Q	Q	Q	Q	305	Q	Q	Q	Q	50.4

See footnotes at end of table.

**Table 30. Percent of Floorspace Cooled, Number of Buildings and Floorspace, 1995
(Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	
RSE Column Factor:	0.7	1.5	1.3	1.4	0.9	0.5	1.4	1.0	0.9	0.7	
Energy Sources (more than one may apply)											
Electricity	4,343	967	926	635	1,816	57,076	7,291	14,917	12,536	22,331	6.0
Natural Gas	2,478	347	594	455	1,082	38,145	3,045	10,827	9,369	14,904	7.1
Fuel Oil	607	219	165	92	131	14,421	1,517	3,441	4,662	4,801	14.5
District Heat	110	14	17	24	55	5,658	530	1,019	1,742	2,366	20.4
District Chilled Water	53	Q	Q	10	40	2,521	Q	Q	705	1,645	25.1
Propane	589	158	126	47	258	5,344	824	1,391	842	2,288	18.3
Other	213	106	55	21	31	2,336	393	860	544	539	23.6
Cooling Energy Sources (more than one may apply)											
Electricity	3,293	--	912	618	1,763	47,761	--	14,632	12,035	21,095	6.0
Natural Gas	65	--	17	18	30	1,314	--	244	373	697	30.6
District Chilled Water	53	--	Q	10	40	2,521	--	Q	705	1,645	25.1
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	699	905	627	1,793	54,347	5,257	14,672	12,421	21,997	6.4
Buildings with Cooling	3,381	--	930	635	1,816	49,935	--	15,027	12,549	22,359	5.9
Buildings with Water Heating	3,486	518	803	540	1,626	51,560	4,311	13,902	11,975	21,372	6.6
Buildings with Cooking	828	104	141	147	436	20,713	1,248	3,884	6,210	9,371	9.4
Buildings with Manufacturing	204	40	60	38	66	3,893	306	1,550	926	1,112	22.3
Buildings with Electricity Generation	247	Q	54	56	96	13,366	380	2,189	5,144	5,653	14.2
Percent of Floorspace Heated											
Not Heated	554	499	24	Q	23	4,425	3,581	Q	Q	362	19.5
1 to 50	555	169	322	Q	47	6,227	1,069	4,227	155	776	18.3
51 to 99	633	95	114	354	70	8,868	702	1,793	5,548	825	15.5
100	2,836	435	470	255	1,676	39,252	3,486	8,652	6,718	20,395	6.9
Percent Lit when Open											
Zero	36	35	Q	Q	Q	189	160	Q	Q	Q	35.4
1 to 50	666	197	252	59	157	6,008	1,431	2,675	518	1,384	14.9
51 to 99	745	130	133	238	244	9,692	1,101	2,034	3,467	3,089	13.5
100	2,814	552	533	332	1,397	40,514	4,143	10,140	8,530	17,702	7.5
Building Not in Use/ Electricity Not Used	318	283	Q	Q	Q	2,369	2,003	Q	Q	Q	17.2
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	878	--	222	182	474	9,238	--	3,249	2,015	3,974	11.3
Heat Pumps	457	--	80	85	292	6,931	--	1,330	2,068	3,533	15.1
Individual Air Conditioners	862	--	394	182	286	12,494	--	6,395	2,965	3,133	10.0
District Chilled Water	53	--	Q	10	40	2,521	--	Q	705	1,645	25.1
Central Chillers	109	--	8	34	67	11,065	--	969	4,956	5,140	12.5
Packaged Air Conditioning Units	1,431	--	300	292	839	26,628	--	7,235	7,335	12,059	8.0
Swamp Coolers	186	--	37	37	112	2,451	--	597	595	1,260	24.8
Other	18	--	Q	7	7	949	--	Q	325	417	27.2

See footnotes at end of table.

**Table 30. Percent of Floorspace Cooled, Number of Buildings and Floorspace, 1995
(Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Buildings	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	
	0.7	1.5	1.3	1.4	0.9	0.5	1.4	1.0	0.9	0.7	
RSE Column Factor:											
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,380	576	703	537	1,565	46,355	4,157	11,596	10,941	19,662	7.1
Wall Insulation	2,372	315	448	405	1,204	31,694	2,148	7,053	7,915	14,577	8.3
Storm or Multiple Glazing	1,897	278	418	362	839	28,876	2,175	6,949	7,579	12,173	8.4
Tinted, Reflective or Shading Glass	1,202	98	237	240	627	24,245	1,043	4,903	6,891	11,408	9.6
Exterior or Interior Shading or Awnings	2,271	223	521	436	1,092	37,208	2,567	9,387	9,573	15,681	7.8
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	327	12	41	74	200	13,473	324	2,021	4,656	6,473	14.6
Economizer Cycle	461	Q	81	108	272	16,550	Q	2,679	6,183	7,688	10.6
HVAC Maintenance	2,403	300	500	429	1,173	43,134	2,984	10,564	10,939	18,648	7.7
Other Energy Efficient Equipment	198	Q	29	37	97	6,453	361	1,160	2,020	2,911	17.1
Off-Hour Equipment Reduction (more than one may apply)											
Heating	3,211	581	768	469	1,393	38,326	3,892	11,407	8,027	15,000	7.1
Cooling	2,707	--	804	471	1,433	35,605	--	11,744	8,321	15,540	6.6
Lighting	3,753	789	860	531	1,572	44,937	5,700	12,876	9,058	17,303	6.8

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

-- = Data not applicable.

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 31. Percent of Floorspace Lit when Open, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Lit ^a	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Buildings	Not Lit ^a	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	
	0.6	2.2	1.4	1.4	0.7	0.5	2.0	1.2	1.0	0.5	
RSE Column Factor:	0.6	2.2	1.4	1.4	0.7	0.5	2.0	1.2	1.0	0.5	
All Buildings	4,579	354	666	745	2,814	58,772	2,558	6,008	9,692	40,514	7.1
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	226	363	363	1,446	6,338	585	967	948	3,839	10.2
5,001 to 10,000	1,035	86	150	166	632	7,530	632	1,086	1,163	4,650	13.9
10,001 to 25,000	745	33	120	157	435	11,617	487	1,852	2,388	6,890	14.2
25,001 to 50,000	213	5	18	27	163	7,676	156	658	984	5,877	10.5
50,001 to 100,000	115	Q	11	19	83	7,968	Q	696	1,290	5,823	12.3
100,001 to 200,000	48	Q	2	9	35	6,776	Q	310	1,245	5,002	13.7
200,001 to 500,000	19	Q	Q	3	15	5,553	Q	Q	903	4,358	13.6
Over 500,000	6	Q	Q	1	4	5,313	Q	Q	771	4,075	15.9
Principal Building Activity											
Education	309	Q	31	54	223	7,740	Q	377	1,337	5,959	18.9
Food Sales	137	Q	Q	Q	99	642	Q	Q	Q	493	25.7
Food Service	285	Q	Q	51	189	1,353	Q	Q	335	810	21.7
Health Care	105	Q	Q	23	72	2,333	Q	Q	567	1,705	24.9
Lodging	158	Q	30	20	108	3,618	Q	365	495	2,741	21.0
Mercantile and Service	1,289	Q	170	223	876	12,728	Q	1,051	1,983	9,587	13.7
Office	705	Q	57	162	477	10,478	Q	404	2,354	7,694	13.7
Public Assembly	326	Q	53	72	201	3,948	Q	376	931	2,619	20.8
Public Order and Safety	87	Q	Q	8	67	1,271	Q	Q	235	948	38.2
Religious Worship	269	Q	54	51	164	2,792	Q	920	447	1,425	22.0
Warehouse and Storage	580	125	152	48	255	8,481	606	1,657	719	5,498	17.0
Other	67	Q	Q	Q	56	1,004	Q	Q	Q	782	44.1
Vacant	261	196	24	Q	28	2,384	1,690	352	Q	253	23.8
Year Constructed											
1919 or Before	353	Q	65	77	186	3,673	Q	598	755	2,116	21.0
1920 to 1945	562	81	120	120	241	6,710	696	1,327	1,493	3,193	15.8
1946 to 1959	867	63	130	136	538	9,298	401	1,211	1,478	6,207	14.4
1960 to 1969	718	33	95	132	458	10,858	303	990	1,481	8,084	14.0
1970 to 1979	813	20	92	142	559	11,333	234	664	2,103	8,333	13.2
1980 to 1989	846	69	102	109	565	12,252	489	890	1,790	9,083	13.1
1990 to 1992	218	Q	23	Q	154	2,590	Q	161	328	2,031	23.6
1993 to 1995	202	Q	37	Q	112	2,059	Q	168	264	1,467	29.3
Floors											
One	3,018	301	333	404	1,980	24,552	1,769	2,215	3,100	17,467	9.7
Two	1,002	33	199	212	557	14,122	314	1,801	2,713	9,293	12.1
Three	399	Q	104	100	181	7,335	Q	1,121	1,707	4,289	17.1
Four to Nine	148	Q	29	28	86	8,789	Q	720	1,606	6,353	17.1
Ten or More	12	Q	1	2	9	3,975	Q	150	566	3,112	19.6
Census Region											
Northeast	725	38	113	148	427	11,883	548	1,130	2,418	7,787	16.3
Midwest	1,139	101	209	201	628	14,322	604	1,598	2,247	9,874	13.5
South	1,750	152	212	238	1,148	20,830	1,040	2,172	3,011	14,608	11.9
West	964	63	131	159	611	11,736	367	1,109	2,016	8,245	14.4

See footnotes at end of table.

Table 31. Percent of Floorspace Lit when Open, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Lit ^a	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Buildings	Not Lit ^a	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	
RSE Column Factor:	0.6	2.2	1.4	1.4	0.7	0.5	2.0	1.2	1.0	0.5	
Workers (main shift)											
Fewer than 5	2,505	349	513	370	1,273	13,885	2,399	3,461	1,718	6,308	10.6
5 to 9	798	Q	110	178	509	6,291	Q	1,093	1,443	3,727	15.6
10 to 19	625	Q	26	89	510	7,102	Q	698	1,058	5,345	14.8
20 to 49	400	Q	12	66	319	9,132	Q	414	1,669	7,020	13.0
50 to 99	138	Q	4	25	108	6,931	Q	229	1,260	5,370	16.0
100 to 249	71	Q	Q	12	58	5,988	Q	Q	1,130	4,784	13.0
250 or More	43	Q	Q	6	37	9,443	Q	Q	1,413	7,960	15.5
Weekly Operating Hours											
39 or Fewer	899	239	122	100	439	6,134	1,911	890	642	2,692	14.7
40 to 48	1,257	Q	203	258	779	13,233	165	1,827	2,734	8,507	12.8
49 to 60	969	Q	143	167	635	12,242	Q	1,523	1,934	8,654	13.1
61 to 84	567	Q	101	94	364	10,052	Q	752	1,733	7,507	14.5
85 to 167	420	Q	20	68	312	6,202	Q	332	1,068	4,730	17.8
Open Continuously	466	45	77	58	285	10,908	220	684	1,580	8,424	13.1
Space in Building Vacant for at Least Three Consecutive Months											
Yes	787	223	142	110	313	15,844	1,943	1,835	2,543	9,523	11.9
No	3,791	132	523	636	2,501	42,928	614	4,174	7,148	30,991	8.3
Energy Sources (more than one may apply)											
Electricity	4,343	119	666	745	2,814	57,076	862	6,008	9,692	40,514	7.5
Natural Gas	2,478	38	362	472	1,606	38,145	422	3,729	6,870	27,125	8.7
Fuel Oil	607	Q	101	106	379	14,421	Q	1,063	2,691	10,525	15.1
District Heat	110	Q	7	24	79	5,658	Q	209	1,047	4,382	23.1
District Chilled Water	53	Q	Q	Q	40	2,521	Q	Q	520	1,965	29.5
Propane	589	Q	88	110	386	5,344	Q	597	1,219	3,487	21.0
Other	213	Q	Q	Q	139	2,336	Q	Q	449	1,438	27.9
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	76	551	735	2,662	54,347	669	5,120	9,591	38,967	7.8
Buildings with Cooling	3,381	36	468	615	2,262	49,935	396	4,577	8,590	36,371	8.3
Buildings with Water Heating	3,486	55	491	654	2,286	51,560	544	4,595	9,167	37,254	8.0
Buildings with Cooking	828	Q	89	149	581	20,713	Q	1,164	3,712	15,674	10.4
Buildings with Manufacturing	204	Q	30	40	128	3,893	Q	485	628	2,744	25.4
Buildings with Electricity Generation	247	Q	26	40	180	13,366	Q	475	2,467	10,378	16.8
Percent of Floorspace Heated											
Not Heated	554	278	115	Q	151	4,425	1,888	888	Q	1,548	18.2
1 to 50	555	Q	201	59	255	6,227	Q	1,931	660	3,350	18.7
51 to 99	633	Q	59	258	312	8,868	Q	580	3,083	5,163	16.4
100	2,836	32	291	417	2,096	39,252	341	2,610	5,848	30,453	9.0
Percent of Floorspace Cooled											
Not Cooled	1,198	319	197	130	552	8,837	2,162	1,431	1,101	4,143	14.6
1 to 50	930	Q	252	133	533	15,027	Q	2,675	2,034	10,140	12.7
51 to 99	635	Q	59	238	332	12,549	Q	518	3,467	8,530	13.7
100	1,816	Q	157	244	1,397	22,359	Q	1,384	3,089	17,702	10.4

See footnotes at end of table.

Table 31. Percent of Floorspace Lit when Open, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Not Lit ^a	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Buildings	Not Lit ^a	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	
	0.6	2.2	1.4	1.4	0.7	0.5	2.0	1.2	1.0	0.5	
RSE Column Factor:											
Percent Lit when Closed											
Zero	1,644	24	305	280	1,034	13,101	143	2,462	2,165	8,332	14.5
1 to 50	2,109	Q	270	389	1,438	30,711	Q	2,742	5,661	22,262	8.8
51 to 100	87	Q	Q	18	56	1,914	Q	Q	297	1,496	33.5
Never Closed	421	Q	77	58	285	10,677	Q	684	1,569	8,424	13.0
Building Not in Use/ Electricity Not Used	318	318	--	--	--	2,369	2,369	--	--	--	15.2
Lighting Equipment Types (more than one may apply)											
Incandescent	2,479	--	446	498	1,529	35,715	--	3,971	6,850	24,873	7.9
Standard Fluorescent	3,885	--	569	699	2,618	53,984	--	5,533	9,508	38,934	7.1
Compact Fluorescent	364	--	42	48	275	14,273	--	801	2,615	10,857	14.1
High-Intensity Discharge	393	--	36	91	266	16,259	--	763	2,796	12,700	13.9
Halogen	302	--	37	66	198	9,665	--	513	1,801	7,346	16.7
Other	30	--	Q	Q	Q	554	--	Q	Q	390	81.4
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,380	98	443	614	2,226	46,355	852	3,762	8,106	33,635	8.4
Wall Insulation	2,372	57	315	439	1,560	31,694	529	2,685	5,834	22,646	9.3
Storm or Multiple Glazing	1,897	44	287	329	1,236	28,876	431	2,553	5,066	20,827	9.9
Tinted, Reflective or Shading Glass	1,202	14	183	231	774	24,245	173	1,791	4,133	18,148	10.8
Exterior or Interior Shading or Awnings	2,271	39	330	457	1,445	37,208	502	3,303	7,081	26,322	8.9
Lighting Conservation Features (more than one may apply)											
Specular Reflectors	749	--	91	148	510	17,868	--	1,176	3,165	13,527	11.6
Energy-Efficient Ballasts	1,363	--	132	223	1,008	28,375	--	1,677	5,025	21,673	10.9
Natural Lighting Control Sensors	237	--	29	32	177	6,431	--	404	941	5,087	20.7
Occupancy Sensors	131	--	19	34	77	5,958	--	242	1,095	4,621	23.2
Time Clock	467	--	63	100	304	13,262	--	730	2,307	10,226	15.4
Manual Dimmer Switches	501	--	88	122	291	13,056	--	1,222	2,729	9,105	13.1
Other	79	--	Q	20	50	2,836	--	Q	663	2,021	28.6
Off-Hour Equipment Reduction (more than one may apply)											
Heating	3,211	Q	458	614	2,121	38,326	Q	4,169	7,073	26,896	8.2
Cooling	2,707	Q	407	503	1,795	35,605	Q	3,850	6,339	25,291	8.1
Lighting	3,753	--	561	677	2,515	44,937	--	5,052	8,017	31,867	7.9

^a Includes buildings that were zero percent lit when open, buildings that were not in use, and buildings that did not use any electricity.

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

-- = Data not applicable.

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 32. Heated, Cooled, and Lit Buildings, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace in All Buildings	Heated Buildings		Cooled Buildings		Lit Buildings		RSE Row Factor
		Total ^a Floorspace	Heated ^b Floorspace	Total ^a Floorspace	Cooled ^b Floorspace	Total ^a Floorspace	Lit ^b Floorspace	
RSE Column Factor:	1.0	1.0	1.0	1.0	1.1	1.0	1.0	
All Buildings	58,772	54,347	48,065	49,935	36,001	56,261	50,303	3.6
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	5,506	4,845	4,376	3,467	5,785	4,883	4.8
5,001 to 10,000	7,530	6,546	5,563	5,531	4,003	6,898	5,954	8.2
10,001 to 25,000	11,617	10,706	9,169	9,712	6,915	11,136	9,278	6.8
25,001 to 50,000	7,676	7,157	6,502	6,760	4,665	7,528	6,888	6.6
50,001 to 100,000	7,968	7,699	7,041	7,178	5,086	7,809	7,119	6.2
100,001 to 200,000	6,776	6,456	5,693	6,175	4,404	6,557	6,185	7.6
200,001 to 500,000	5,553	5,371	4,907	5,235	3,714	5,504	5,214	7.8
Over 500,000	5,313	4,906	4,345	4,968	3,748	5,043	4,782	8.9
Principal Building Activity								
Education	7,740	7,740	7,582	6,741	4,178	7,672	7,259	7.0
Food Sales	642	609	531	612	512	642	595	12.7
Food Service	1,353	1,299	1,197	1,310	1,135	1,353	1,158	12.9
Health Care	2,333	2,333	2,295	2,323	2,141	2,333	2,212	8.8
Lodging	3,618	3,608	3,490	3,193	2,737	3,601	3,272	9.8
Mercantile and Service	12,728	12,227	10,473	11,086	8,050	12,621	11,546	7.2
Office	10,478	10,458	9,829	10,360	9,287	10,451	9,774	6.2
Public Assembly	3,948	3,836	3,541	3,394	2,691	3,927	3,451	9.6
Public Order and Safety	1,271	1,154	1,094	856	622	1,271	1,167	18.0
Religious Worship	2,792	2,791	2,608	2,414	1,834	2,792	2,029	10.9
Warehouse and Storage	8,481	6,419	3,918	5,991	1,709	7,894	6,544	11.6
Other	1,004	907	841	921	707	988	904	22.0
Vacant	2,384	966	669	732	400	715	392	16.5
Year Constructed								
1919 or Before	3,673	3,429	3,137	2,818	1,718	3,469	2,887	10.4
1920 to 1945	6,710	5,951	4,747	5,038	2,865	6,024	4,786	9.2
1946 to 1959	9,298	8,701	7,810	7,549	5,029	8,897	7,836	7.9
1960 to 1969	10,858	10,024	9,051	8,978	6,299	10,555	9,661	6.3
1970 to 1979	11,333	10,489	9,364	10,389	7,941	11,120	10,225	5.3
1980 to 1989	12,252	11,462	10,033	11,174	8,850	11,769	10,805	6.6
1990 to 1992	2,590	2,467	2,303	2,345	1,966	2,529	2,371	10.1
1993 to 1995	2,059	1,824	1,621	1,644	1,334	1,898	1,733	12.5
Floors								
One	24,552	21,535	18,101	19,635	13,382	22,829	20,610	5.3
Two	14,122	13,389	12,022	12,308	8,931	13,808	12,160	5.4
Three	7,335	7,119	6,487	6,266	4,187	7,117	5,992	8.5
Four to Nine	8,789	8,446	7,894	7,920	6,205	8,679	7,917	6.5
Ten or More	3,975	3,859	3,562	3,805	3,297	3,829	3,624	10.3
Census Region								
Northeast	11,883	11,180	9,919	9,523	5,936	11,346	10,092	7.1
Midwest	14,322	13,511	12,382	12,033	7,998	13,719	12,230	6.4
South	20,830	18,900	16,667	18,606	14,716	19,827	17,726	5.9
West	11,736	10,756	9,097	9,772	7,352	11,370	10,256	8.0
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	5,098	4,901	4,476	4,115	2,521	4,882	4,374	11.8
5,500 to 7,000 HDD	14,597	13,937	12,735	11,903	7,816	14,233	12,600	7.5
4,000 to 5,499 HDD	15,155	14,147	12,607	12,620	8,591	14,357	12,870	8.2
Fewer than 4,000 HDD	13,491	12,350	10,753	11,981	9,473	12,957	11,662	10.7
More than 2,000 CDD and --								
Fewer than 4,000 HDD	10,430	9,014	7,494	9,315	7,599	9,831	8,797	9.5

See footnotes at end of table.

Table 32. Heated, Cooled, and Lit Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace in All Bldings	Heated Buildings		Cooled Buildings		Lit Buildings		RSE Row Factor
		Total ^a Floorspace	Heated ^b Floorspace	Total ^a Floorspace	Cooled ^b Floorspace	Total ^a Floorspace	Lit ^b Floorspace	
	RSE Column Factor:	1.0	1.0	1.0	1.0	1.1	1.0	
Workers (main shift)								
Fewer than 5	13,885	10,663	8,585	8,324	5,715	11,533	8,666	7.0
5 to 9	6,291	6,086	5,213	5,260	3,349	6,264	5,168	8.3
10 to 19	7,102	6,905	5,771	6,449	4,216	7,102	6,401	6.9
20 to 49	9,132	8,899	8,038	8,302	5,808	9,103	8,540	6.1
50 to 99	6,931	6,642	6,215	6,379	4,666	6,860	6,517	6.9
100 to 249	5,988	5,880	5,603	5,872	4,269	5,975	5,799	7.1
250 or More	9,443	9,272	8,642	9,349	7,979	9,425	9,213	6.3
Weekly Operating Hours								
39 or Fewer	6,134	4,032	3,422	2,845	2,003	4,224	3,499	10.0
40 to 48	13,233	12,672	10,425	11,401	7,254	13,079	11,216	6.9
49 to 60	12,242	11,658	10,203	10,897	7,385	12,134	10,738	6.6
61 to 84	10,052	9,635	8,819	9,212	7,055	9,992	9,206	6.7
85 to 167	6,202	5,880	5,463	5,644	4,398	6,145	5,716	7.1
Open Continuously	10,908	10,469	9,734	9,936	7,906	10,688	9,928	5.9
Space in Building Vacant for at Least Three Consecutive Months								
Yes	15,844	13,445	11,751	12,936	9,914	13,922	12,173	6.0
No	42,928	40,902	36,314	36,999	26,087	42,338	38,130	3.9
Predominant Exterior Wall Material								
Masonry	42,958	40,217	36,407	37,394	27,653	41,339	36,881	4.1
Siding or Shingles	3,243	2,919	2,514	2,369	1,569	3,102	2,582	14.0
Metal Panels	5,694	4,559	3,466	3,713	1,928	5,073	4,480	9.0
Concrete Panels	4,069	3,932	3,157	3,790	2,597	4,024	3,824	9.6
Window Glass	1,755	1,754	1,624	1,730	1,448	1,739	1,670	11.4
Other	660	603	564	578	519	618	585	15.6
No One Major Type	393	363	333	362	289	365	281	32.6
Predominant Roof Material								
Built-Up	24,481	23,087	20,386	21,744	16,085	23,610	21,399	5.2
Shingles (Not Wood)	11,093	10,450	9,237	9,125	6,761	10,660	9,347	6.3
Metal Surfacing	7,941	6,463	5,191	5,564	3,419	7,134	6,064	7.2
Synthetic or Rubber	10,235	10,099	9,445	9,662	7,145	10,125	9,364	5.4
Slate or Tile	1,920	1,765	1,666	1,499	999	1,813	1,505	10.9
Wooden Materials	1,130	985	862	730	510	1,100	896	22.6
Concrete	1,335	903	743	1,065	690	1,225	1,167	18.0
Other	332	290	268	272	189	305	277	24.9
No One Major Type	305	305	267	273	205	289	285	26.5
Energy Sources (more than one may apply)								
Electricity	57,076	54,110	47,879	49,785	35,946	56,261	50,303	3.5
Natural Gas	38,145	37,950	34,091	35,100	25,048	37,723	34,008	4.3
Fuel Oil	14,421	14,236	13,034	12,904	9,378	14,279	13,067	6.1
District Heat	5,658	5,642	5,473	5,128	4,081	5,638	5,339	9.1
District Chilled Water	2,521	2,479	2,395	2,521	2,302	2,517	2,412	10.7
Propane	5,344	5,281	4,747	4,520	3,253	5,304	4,589	12.6
Other	2,336	2,312	1,974	1,943	1,202	2,216	1,917	13.6
Space-Heating Energy Sources (more than one may apply)								
Electricity	22,156	22,156	19,031	21,131	16,066	21,981	20,138	5.8
Natural Gas	31,535	31,535	28,177	29,106	20,135	31,172	27,996	4.5
Fuel Oil	6,606	6,606	6,047	5,285	3,210	6,493	5,658	10.6
District Heat	5,606	5,606	5,438	5,076	4,044	5,587	5,304	9.0
Propane	2,025	2,025	1,812	1,642	1,206	2,017	1,710	17.7
Other	1,050	1,050	857	754	434	1,012	938	19.6

See footnotes at end of table.

Table 32. Heated, Cooled, and Lit Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace in All Buildings	Heated Buildings		Cooled Buildings		Lit Buildings		RSE Row Factor
		Total ^a Floorspace	Heated ^b Floorspace	Total ^a Floorspace	Cooled ^b Floorspace	Total ^a Floorspace	Lit ^b Floorspace	
RSE Column Factor:	1.0	1.0	1.0	1.0	1.1	1.0	1.0	
Primary Space-Heating Energy Source								
Electricity	13,500	13,500	11,271	12,959	10,667	13,350	12,258	7.1
Natural Gas	28,808	28,808	25,747	26,440	18,095	28,526	25,629	4.6
Fuel Oil	4,207	4,207	3,751	3,076	1,565	4,105	3,412	12.7
District Heat	5,289	5,289	5,127	4,759	3,793	5,269	4,991	9.0
Propane	1,545	1,545	1,366	1,184	935	1,537	1,325	19.7
Other	514	514	345	303	128	477	426	29.4
Cooling Energy Sources (more than one may apply)								
Electricity	47,761	46,934	41,752	47,761	34,194	47,529	43,024	3.7
Natural Gas	1,314	1,312	1,198	1,314	1,074	1,305	1,238	15.5
District Chilled Water	2,521	2,479	2,395	2,521	2,302	2,517	2,412	10.7
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	54,347	48,065	49,090	35,481	53,686	48,436	3.7
Buildings with Cooling	49,935	49,090	43,781	49,935	36,001	49,547	44,908	3.7
Buildings with Water Heating	51,560	50,796	45,617	47,249	34,304	51,016	46,250	3.7
Buildings with Cooking	20,713	20,338	19,144	19,465	15,321	20,550	19,110	4.3
Buildings with Manufacturing	3,893	3,689	3,013	3,587	2,177	3,856	3,417	10.6
Buildings with Electricity Generation	13,366	13,165	12,349	12,986	10,490	13,319	12,606	5.7
Percent of Floorspace Heated								
Not Heated	4,425	--	--	844	520	2,574	1,867	18.9
1 to 50	6,227	6,227	1,567	5,158	1,824	5,941	4,510	12.0
51 to 99	8,868	8,868	7,246	8,167	5,758	8,826	7,886	8.1
100	39,252	39,252	39,252	35,766	27,899	38,919	36,041	3.7
Percent of Floorspace Cooled								
Not Cooled	8,837	5,257	4,285	--	--	6,713	5,395	10.6
1 to 50	15,027	14,672	11,217	15,027	3,302	14,857	12,651	6.6
51 to 99	12,549	12,421	11,332	12,549	10,340	12,515	11,619	5.9
100	22,359	21,997	21,231	22,359	22,359	22,175	20,638	4.7
Percent Lit when Open								
Zero	189	44	30	Q	Q	Q	Q	39.5
1 to 50	6,008	5,120	3,642	4,577	2,475	6,008	1,906	9.2
51 to 99	9,692	9,591	8,559	8,590	6,399	9,692	7,883	6.9
100	40,514	38,967	35,443	36,371	26,891	40,514	40,514	3.9
Building Not in Use/ Electricity Not Used	2,369	625	391	366	228	--	--	22.5
Percent Lit when Closed								
Zero	13,101	11,760	9,713	9,713	6,087	12,958	10,720	7.7
1 to 50	30,711	29,669	26,602	28,175	20,400	30,711	27,866	4.4
51 to 100	1,914	1,868	1,665	1,785	1,394	1,914	1,796	16.1
Never Closed	10,677	10,425	9,694	9,895	7,893	10,677	9,921	5.9
Building Not in Use/ Electricity Not Used	2,369	625	391	366	228	--	--	22.5

See footnotes at end of table.

Table 32. Heated, Cooled, and Lit Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace in All Buildings	Heated Buildings		Cooled Buildings		Lit Buildings		RSE Row Factor
		Total ^a Floorspace	Heated ^b Floorspace	Total ^a Floorspace	Cooled ^b Floorspace	Total ^a Floorspace	Lit ^b Floorspace	
RSE Column Factor:	1.0	1.0	1.0	1.0	1.1	1.0	1.0	
Heating Equipment (more than one may apply)								
Heat Pumps	5,843	5,843	5,312	5,813	4,764	5,831	5,376	6.9
Furnaces	14,923	14,923	12,656	12,967	8,544	14,742	12,887	6.2
Individual Space Heaters	16,809	16,809	14,407	14,831	9,165	16,488	14,810	7.3
District Heat	5,911	5,911	5,719	5,286	4,209	5,876	5,581	9.2
Boilers	16,754	16,754	15,854	15,050	10,331	16,549	14,990	5.1
Packaged Heating Units	16,893	16,893	14,793	16,643	13,015	16,774	15,447	5.2
Other	6,249	6,249	5,575	5,899	4,534	6,226	5,759	9.1
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	9,238	8,975	7,795	9,238	6,379	9,193	8,236	5.6
Heat Pumps	6,931	6,888	6,224	6,931	5,557	6,910	6,306	6.7
Individual Air Conditioners	12,494	12,294	10,865	12,494	6,722	12,346	10,980	5.8
District Chilled Water	2,521	2,479	2,395	2,521	2,302	2,517	2,412	10.7
Central Chillers	11,065	10,857	10,343	11,065	9,576	11,017	10,478	6.6
Packaged Air Conditioning Units	26,628	26,297	23,652	26,628	19,839	26,431	24,336	4.9
Swamp Coolers	2,451	2,443	1,943	2,451	1,874	2,361	2,154	15.8
Other	949	949	871	949	708	949	888	15.9
Lighting Equipment Types (more than one may apply)								
Incandescent	35,715	34,309	30,955	32,066	23,757	35,715	31,750	3.6
Standard Fluorescent	53,984	52,204	46,306	48,495	34,881	53,984	48,438	3.5
Compact Fluorescent	14,273	13,979	13,037	13,653	10,979	14,273	13,329	6.6
High-Intensity Discharge	16,259	15,915	14,358	15,123	9,791	16,259	15,324	5.7
Halogen	9,665	9,518	8,737	9,316	7,111	9,665	9,055	6.9
Other	554	521	481	495	426	554	482	42.7
Building Shell Conservation Features (more than one may apply)								
Roof or Ceiling Insulation	46,355	44,941	40,694	42,198	31,362	45,509	41,462	4.1
Wall Insulation	31,694	31,112	28,311	29,545	22,843	31,171	28,283	4.7
Storm or Multiple Glazing	28,876	28,454	26,228	26,701	20,113	28,445	25,742	4.1
Tinted, Reflective or Shading Glass	24,245	23,686	21,431	23,202	18,274	24,080	22,101	4.4
Exterior or Interior Shading or Awnings	37,208	36,667	33,099	34,641	25,700	36,706	33,169	3.8
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	13,473	13,250	12,443	13,150	10,783	13,434	12,754	5.8
Economizer Cycle	16,550	16,484	15,505	16,550	13,510	16,407	15,444	5.3
HVAC Maintenance	43,134	43,036	39,403	40,151	30,030	42,860	39,458	4.0
Other Energy Efficient Equipment	6,453	6,408	5,960	6,092	4,875	6,358	5,953	7.2

See footnotes at end of table.

Table 32. Heated, Cooled, and Lit Buildings, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace in All Buildings	Heated Buildings		Cooled Buildings		Lit Buildings		RSE Row Factor
		Total ^a Floorspace	Heated ^b Floorspace	Total ^a Floorspace	Cooled ^b Floorspace	Total ^a Floorspace	Lit ^b Floorspace	
RSE Column Factor:	1.0	1.0	1.0	1.0	1.1	1.0	1.0	
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	17,868	17,351	15,616	16,398	11,810	17,868	16,512	5.2
Energy-Efficient Ballasts	28,375	27,736	25,447	26,158	19,688	28,375	26,349	4.5
Natural Lighting Control								
Sensors	6,431	6,217	5,704	6,220	4,725	6,431	5,975	8.0
Occupancy Sensors	5,958	5,785	5,367	5,630	4,351	5,958	5,577	9.3
Time Clock	13,262	12,896	11,728	12,694	10,335	13,262	12,398	5.8
Manual Dimmer Switches	13,056	12,985	12,090	12,584	10,324	13,056	11,712	5.4
Other	2,836	2,769	2,596	2,733	2,048	2,836	2,633	12.6
Off-Hour Equipment Reduction (more than one may apply)								
Heating	38,326	38,326	33,586	34,434	24,080	38,138	33,983	4.3
Cooling	35,605	34,890	30,744	35,605	24,948	35,481	31,755	4.2
Lighting	44,937	42,747	37,582	39,237	27,561	44,937	39,997	4.0

^a Total Floorspace refers to all floorspace in heated, cooled, or lit buildings, including the floorspace that is not heated, cooled, or lit.

^b Heated, Cooled, and Lit Floorspace refers only to the portion of floorspace in these buildings that is heated, cooled, or lit.

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

-- = Data not applicable.

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 33. Heating Equipment, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.5	0.6	1.3	0.9	1.0	1.7	1.1	0.9	1.8	
All Buildings	4,579	4,024	394	1,676	1,188	115	610	1,031	161	8.1
Building Floorspace (Square Feet)										
1,001 to 5,000	2,399	2,060	213	898	616	Q	199	483	Q	11.0
5,001 to 10,000	1,035	899	59	441	268	Q	135	193	22	15.3
10,001 to 25,000	745	685	80	257	191	27	128	216	50	14.1
25,001 to 50,000	213	198	20	49	57	18	70	75	14	10.6
50,001 to 100,000	115	111	16	20	33	11	46	41	11	10.5
100,001 to 200,000	48	46	4	8	14	8	20	15	6	11.9
200,001 to 500,000	19	18	3	2	6	4	9	6	4	12.8
Over 500,000	6	6	1	1	2	2	2	2	2	14.3
Principal Building Activity										
Education	309	309	20	66	80	37	108	92	6	19.4
Food Sales	137	124	Q	44	33	Q	Q	47	Q	30.6
Food Service	285	274	Q	146	Q	Q	Q	101	Q	18.5
Health Care	105	105	19	27	20	4	23	32	Q	33.4
Lodging	158	158	22	33	72	12	36	26	3	21.4
Mercantile and Service	1,289	1,217	69	602	415	Q	135	263	48	14.9
Office	705	704	136	245	148	21	118	229	20	16.1
Public Assembly	326	310	28	167	65	10	62	55	32	23.6
Public Order and Safety	87	81	Q	26	18	Q	Q	7	Q	40.9
Religious Worship	269	269	20	147	97	Q	39	66	Q	23.9
Warehouse and Storage	580	325	39	130	132	Q	Q	81	23	24.5
Other	67	53	Q	Q	Q	Q	7	Q	Q	51.5
Vacant	261	95	Q	33	52	Q	10	20	Q	28.0
Year Constructed										
1919 or Before	353	316	Q	151	72	22	92	26	Q	25.7
1920 to 1945	562	496	24	258	134	21	98	81	23	21.2
1946 to 1959	867	769	79	332	250	14	164	121	25	15.3
1960 to 1969	718	652	37	267	231	25	118	149	16	16.2
1970 to 1979	813	722	93	258	212	Q	59	296	19	14.8
1980 to 1989	846	741	104	325	201	8	66	230	49	16.8
1990 to 1992	218	189	37	45	55	Q	6	68	3	25.3
1993 to 1995	202	141	15	40	32	Q	7	59	3	31.7
Census Region										
Northeast	725	657	14	284	140	26	240	91	38	19.0
Midwest	1,139	1,006	31	626	255	36	161	109	65	17.2
South	1,750	1,547	284	471	500	34	111	526	43	12.9
West	964	815	65	295	293	19	97	305	14	17.2
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	493	443	4	260	134	3	110	40	Q	24.4
5,500 to 7,000 HDD	975	877	19	464	199	31	235	116	49	14.6
4,000 to 5,499 HDD	1,070	927	110	465	294	45	165	138	27	21.6
Fewer than 4,000 HDD	1,103	955	165	297	319	11	67	387	8	16.1
More than 2,000 CDD and --										
Fewer than 4,000 HDD	937	822	97	190	242	Q	33	350	35	20.5

See footnotes at end of table.

Table 33. Heating Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.5	0.6	1.3	0.9	1.0	1.7	1.1	0.9	1.8	
Workers (main shift)										
Fewer than 5	2,505	2,013	150	914	668	34	229	376	75	13.3
5 to 9	798	770	72	346	222	16	86	230	19	19.0
10 to 19	625	608	78	239	122	Q	121	188	30	17.8
20 to 49	400	390	64	128	106	18	84	144	14	14.0
50 to 99	138	131	14	29	45	18	43	57	8	13.9
100 to 249	71	69	12	10	17	8	30	27	6	13.4
250 or More	43	43	5	Q	9	9	17	9	9	13.7
Weekly Operating Hours										
39 or Fewer	899	620	42	283	235	Q	74	109	Q	18.5
40 to 48	1,257	1,207	162	488	349	24	167	324	50	14.1
49 to 60	969	907	78	360	303	23	145	230	48	15.6
61 to 84	567	541	44	267	135	13	71	139	24	18.1
85 to 167	420	366	24	165	70	12	39	122	12	19.7
Open Continuously	466	385	44	113	96	33	113	107	11	16.8
Multibuilding Facility										
Part of Multibuilding Facility	1,480	1,195	167	358	350	99	206	334	79	11.7
Not on Multibuilding Facility	3,099	2,829	227	1,318	838	16	404	697	82	10.9
Predominant Exterior Wall Material										
Masonry	3,061	2,774	295	1,079	765	98	502	772	77	8.9
Siding or Shingles	639	572	37	315	144	Q	70	83	Q	21.9
Metal Panels	662	480	41	220	235	Q	15	97	35	22.0
Concrete Panels	106	98	Q	30	23	5	11	37	5	24.2
Window Glass	46	46	2	Q	Q	2	5	36	2	28.2
Other	50	40	Q	Q	Q	Q	Q	Q	Q	59.0
No One Major Type	15	14	Q	Q	Q	Q	Q	Q	Q	86.1
Predominant Roof Material										
Built-Up	1,369	1,257	99	483	378	63	197	437	40	12.9
Shingles (Not Wood)	1,486	1,386	172	631	336	20	241	249	46	15.6
Metal Surfacing	908	672	65	273	279	3	25	173	51	17.7
Synthetic or Rubber	351	334	41	112	76	18	100	80	20	17.6
Slate or Tile	202	173	7	64	59	10	37	49	Q	25.5
Wooden Materials	152	123	Q	80	Q	Q	Q	Q	Q	38.0
Concrete	58	40	Q	Q	22	Q	3	Q	Q	43.4
Other	36	23	Q	Q	Q	Q	Q	Q	Q	77.4
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)										
Electricity	4,343	4,004	394	1,667	1,171	115	606	1,031	161	8.0
Natural Gas	2,478	2,456	98	1,221	726	32	420	708	68	9.5
Fuel Oil	607	607	53	249	190	20	242	47	52	20.9
District Heat	110	109	2	Q	9	109	Q	4	3	21.0
District Chilled Water	53	52	Q	Q	3	48	3	3	2	31.2
Propane	589	579	26	294	185	Q	96	96	23	21.4
Other	213	210	Q	82	69	Q	45	14	42	31.9

See footnotes at end of table.

Table 33. Heating Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.5	0.6	1.3	0.9	1.0	1.7	1.1	0.9	1.8	
Space-Heating Energy Sources (more than one may apply)										
Electricity	1,467	1,467	391	395	603	10	138	465	94	12.0
Natural Gas	2,211	2,211	56	1,180	670	7	381	631	54	9.7
Fuel Oil	504	504	36	214	146	Q	212	27	37	25.6
District Heat	109	109	2	Q	9	109	Q	4	3	21.1
Propane	301	301	Q	168	114	Q	27	58	Q	28.1
Other	135	135	Q	64	44	Q	30	Q	34	37.7
Primary Space-Heating Energy Source										
Electricity	1,007	1,007	325	161	328	Q	18	346	52	16.5
Natural Gas	2,106	2,106	35	1,141	613	2	371	596	51	11.0
Fuel Oil	439	439	Q	188	122	Q	183	23	29	26.2
District Heat	107	107	2	Q	8	107	Q	3	3	21.5
Propane	260	260	Q	147	99	Q	Q	49	Q	29.7
Other	61	61	Q	Q	Q	Q	Q	Q	Q	53.3
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,024	4,024	394	1,676	1,188	115	610	1,031	161	8.1
Buildings with Cooling	3,381	3,326	393	1,330	882	99	470	1,015	119	8.2
Buildings with Water Heating	3,486	3,418	348	1,432	956	100	595	901	133	8.4
Buildings with Cooking	828	804	70	302	189	18	175	261	38	12.4
Buildings with Manufacturing	204	181	23	61	67	Q	26	39	23	29.7
Buildings with Electricity Generation	247	246	24	69	63	21	103	62	22	20.7
Percent of Floorspace Heated										
Not Heated	554	--	--	--	--	--	--	--	--	19.0
1 to 50	555	555	41	216	225	Q	49	131	29	20.7
51 to 99	633	633	53	298	209	7	87	159	34	17.7
100	2,836	2,836	301	1,163	754	106	473	741	98	8.9
Heating Equipment (more than one may apply)										
Heat Pumps	394	394	394	47	78	2	30	49	Q	20.9
Furnaces	1,676	1,676	47	1,676	355	Q	80	145	37	14.8
Individual Space Heaters	1,188	1,188	78	355	1,188	9	140	186	30	13.8
District Heat	115	115	2	Q	9	115	Q	4	3	20.6
Boilers	610	610	30	80	140	Q	610	50	30	17.7
Packaged Heating Units	1,031	1,031	49	145	186	4	50	1,031	21	14.6
Other	161	161	Q	37	30	3	30	21	161	27.9

See footnotes at end of table.

Table 33. Heating Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.5	0.6	1.3	0.9	1.0	1.7	1.1	0.9	1.8	
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	878	862	30	640	170	8	116	114	25	18.0
Heat Pumps	457	457	384	75	96	3	31	96	18	20.4
Individual Air Conditioners	862	848	43	326	385	25	188	91	50	15.2
District Chilled Water	53	52	Q	Q	3	48	3	3	2	31.2
Central Chillers	109	108	8	9	28	15	77	18	18	15.1
Packaged Air Conditioning										
Units	1,431	1,404	44	432	351	28	174	877	48	12.3
Swamp Coolers	186	182	4	91	70	Q	9	57	4	27.8
Other	18	18	Q	4	9	Q	9	4	4	33.9
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	828	804	70	302	189	18	175	261	38	12.4
Computer Room	234	231	17	63	67	22	60	98	16	16.6
Activities with Large										
Amounts of Hot Water	243	233	25	99	67	11	64	52	8	20.7
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	3,380	3,226	361	1,350	887	98	510	867	141	8.5
Wall Insulation	2,372	2,315	301	979	640	57	311	676	122	9.8
Storm or Multiple Glazing	1,897	1,853	195	870	484	47	362	415	88	11.2
Tinted, Reflective or										
Shading Glass	1,202	1,171	130	469	269	42	164	442	52	12.2
Exterior or Interior										
Shading or Awnings	2,271	2,234	310	836	607	73	407	644	97	9.8
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	327	326	25	86	74	37	82	122	19	18.0
Economizer Cycle	461	457	42	143	120	25	98	202	21	13.7
HVAC Maintenance	2,403	2,393	285	933	574	95	500	705	101	9.4
Other Energy Efficient										
Equipment	198	198	24	57	56	9	50	54	10	22.3
Off-Hour Equipment Reduction (more than one may apply)										
Heating	3,211	3,211	286	1,442	955	65	433	818	122	8.9
Cooling	2,707	2,654	286	1,121	711	61	333	807	92	9.2
Lighting	3,753	3,522	350	1,511	1,018	81	484	904	150	8.8

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

-- = Data not applicable.

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 34. Heating Equipment, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.6	0.6	1.3	1.1	1.0	1.5	0.9	0.9	1.5	
All Buildings	58,772	54,347	5,843	14,923	16,809	5,911	16,754	16,893	6,249	5.8
Building Floorspace (Square Feet)										
1,001 to 5,000	6,338	5,506	589	2,334	1,618	Q	551	1,319	Q	10.5
5,001 to 10,000	7,530	6,546	436	3,197	2,003	Q	1,005	1,410	180	15.4
10,001 to 25,000	11,617	10,706	1,243	3,871	3,094	407	2,080	3,387	780	13.3
25,001 to 50,000	7,676	7,157	701	1,743	1,960	657	2,592	2,754	489	10.7
50,001 to 100,000	7,968	7,699	1,156	1,371	2,208	792	3,190	2,800	762	10.2
100,001 to 200,000	6,776	6,456	564	1,079	1,936	1,162	2,850	2,139	822	12.1
200,001 to 500,000	5,553	5,371	681	657	1,901	1,283	2,553	1,611	1,202	12.8
Over 500,000	5,313	4,906	473	671	2,088	1,390	1,933	1,473	1,861	14.4
Principal Building Activity										
Education	7,740	7,740	570	1,041	1,703	1,129	4,805	1,782	416	13.1
Food Sales	642	609	Q	255	198	Q	Q	246	Q	22.7
Food Service	1,353	1,299	Q	643	Q	Q	Q	539	Q	20.9
Health Care	2,333	2,333	296	144	469	644	1,171	625	512	15.1
Lodging	3,618	3,608	833	582	1,478	634	1,307	1,039	264	17.0
Mercantile and Service	12,728	12,227	942	4,303	4,187	Q	1,911	4,758	1,739	12.1
Office	10,478	10,458	1,744	1,891	2,702	1,587	3,426	3,184	1,812	10.0
Public Assembly	3,948	3,836	307	1,183	754	701	1,396	813	499	16.0
Public Order and Safety	1,271	1,154	Q	285	214	340	459	202	Q	29.4
Religious Worship	2,792	2,791	263	1,443	915	Q	717	718	Q	18.5
Warehouse and Storage	8,481	6,419	579	2,701	3,339	300	723	2,387	422	17.6
Other	1,004	907	Q	263	263	170	373	379	Q	33.7
Vacant	2,384	966	Q	264	420	Q	334	221	Q	23.2
Year Constructed										
1919 or Before	3,673	3,429	Q	1,256	853	591	1,404	294	Q	17.6
1920 to 1945	6,710	5,951	319	1,818	1,829	877	2,185	1,123	498	16.2
1946 to 1959	9,298	8,701	1,023	2,531	3,029	975	3,144	2,050	561	12.8
1960 to 1969	10,858	10,024	761	2,563	2,926	1,509	3,982	3,031	952	11.3
1970 to 1979	11,333	10,489	1,035	2,545	3,517	1,000	2,735	4,133	1,639	9.3
1980 to 1989	12,252	11,462	1,962	3,261	3,589	550	2,418	4,307	1,727	10.3
1990 to 1992	2,590	2,467	383	492	648	258	433	1,105	303	16.5
1993 to 1995	2,059	1,824	231	458	417	Q	453	851	252	18.3
Census Region										
Northeast	11,883	11,180	657	2,732	3,393	1,834	5,210	2,578	1,979	11.3
Midwest	14,322	13,511	779	4,984	4,395	1,984	4,480	2,868	1,590	11.5
South	20,830	18,900	3,189	4,497	5,783	1,101	3,952	7,439	1,915	9.8
West	11,736	10,756	1,218	2,710	3,237	993	3,112	4,009	765	12.8
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	5,098	4,901	254	1,893	1,550	299	2,125	917	702	18.2
5,500 to 7,000 HDD	14,597	13,937	586	4,325	4,434	2,001	5,565	3,010	1,850	11.8
4,000 to 5,499 HDD	15,155	14,147	1,756	3,993	4,734	2,376	4,833	3,395	1,886	11.2
Fewer than 4,000 HDD	13,491	12,350	1,944	3,128	3,859	585	2,985	5,412	725	14.3
More than 2,000 CDD and --										
Fewer than 4,000 HDD	10,430	9,014	1,303	1,584	2,231	651	1,247	4,159	1,087	16.0

See footnotes at end of table.

Table 34. Heating Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.6	0.6	1.3	1.1	1.0	1.5	0.9	0.9	1.5	
Workers (main shift)										
Fewer than 5	13,885	10,663	807	4,496	3,629	427	1,692	1,988	513	12.5
5 to 9	6,291	6,086	381	2,397	2,072	319	1,044	1,733	368	16.4
10 to 19	7,102	6,905	831	2,557	1,666	285	1,560	2,185	463	13.8
20 to 49	9,132	8,899	1,108	2,280	2,463	673	2,856	3,529	505	11.0
50 to 99	6,931	6,642	689	1,504	2,209	784	2,733	2,695	646	12.2
100 to 249	5,988	5,880	969	778	1,583	902	2,866	2,219	626	12.1
250 or More	9,443	9,272	1,058	911	3,186	2,520	4,003	2,545	3,128	10.3
Weekly Operating Hours										
39 or Fewer	6,134	4,032	201	1,776	1,357	Q	919	682	Q	13.8
40 to 48	13,233	12,672	1,568	3,844	4,025	792	3,304	3,815	762	12.0
49 to 60	12,242	11,658	1,121	3,381	3,622	996	3,566	3,369	1,342	10.7
61 to 84	10,052	9,635	1,161	2,359	2,975	676	3,078	3,280	1,536	11.7
85 to 167	6,202	5,880	322	1,409	1,522	908	1,757	2,386	684	13.2
Open Continuously	10,908	10,469	1,470	2,155	3,307	2,399	4,130	3,360	1,765	9.6
Multibuilding Facility										
Part of Multibuilding Facility	24,352	21,968	2,669	4,723	6,218	4,560	6,602	6,203	2,922	7.6
Not on Multibuilding Facility	34,420	32,379	3,175	10,200	10,591	1,351	10,152	10,691	3,327	7.1
Predominant Exterior Wall Material										
Masonry	42,958	40,217	4,501	10,066	11,748	4,605	13,521	12,676	4,107	6.9
Siding or Shingles	3,243	2,919	219	1,571	699	Q	511	512	Q	23.0
Metal Panels	5,694	4,559	421	2,023	2,318	Q	670	1,245	549	15.6
Concrete Panels	4,069	3,932	346	912	1,259	580	997	1,765	642	14.6
Window Glass	1,755	1,754	265	161	516	343	673	474	494	19.1
Other	660	603	Q	Q	229	Q	232	169	146	24.9
No One Major Type	393	363	Q	Q	Q	Q	Q	Q	Q	53.4
Predominant Roof Material										
Built-Up	24,481	23,087	2,153	5,173	6,795	3,084	7,721	8,450	2,760	8.7
Shingles (Not Wood)	11,093	10,450	1,301	3,967	2,505	565	2,771	2,570	620	11.6
Metal Surfacing	7,941	6,463	832	2,533	2,723	183	595	2,081	614	13.3
Synthetic or Rubber	10,235	10,099	1,157	2,167	3,371	1,525	4,273	2,888	1,806	9.8
Slate or Tile	1,920	1,765	197	421	516	354	615	407	Q	18.6
Wooden Materials	1,130	985	Q	483	Q	Q	Q	Q	Q	32.7
Concrete	1,335	903	Q	Q	485	Q	420	Q	Q	32.5
Other	332	290	Q	Q	Q	Q	Q	Q	Q	38.0
No One Major Type	305	305	Q	Q	Q	Q	Q	Q	Q	45.3
Energy Sources (more than one may apply)										
Electricity	57,076	54,110	5,831	14,851	16,689	5,900	16,650	16,867	6,237	5.8
Natural Gas	38,145	37,950	2,988	11,907	12,747	2,431	14,242	12,946	4,070	6.6
Fuel Oil	14,421	14,236	1,648	2,454	4,504	2,219	8,208	2,817	3,184	9.4
District Heat	5,658	5,642	252	Q	1,046	5,628	Q	378	883	14.4
District Chilled Water	2,521	2,479	Q	Q	369	2,192	215	162	385	19.8
Propane	5,344	5,281	517	2,161	1,513	Q	1,545	1,363	409	17.6
Other	2,336	2,312	Q	562	471	303	930	375	589	22.6

See footnotes at end of table.

Table 34. Heating Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.6	0.6	1.3	1.1	1.0	1.5	0.9	0.9	1.5	
Space-Heating Energy Sources (more than one may apply)										
Electricity	22,156	22,156	5,815	4,839	9,535	1,087	4,855	8,898	4,152	8.5
Natural Gas	31,535	31,535	1,948	11,369	11,128	640	12,801	11,200	2,824	7.6
Fuel Oil	6,606	6,606	531	1,633	1,653	468	4,629	827	1,074	16.2
District Heat	5,606	5,606	252	Q	1,046	5,606	Q	378	873	14.4
Propane	2,025	2,025	Q	964	742	Q	415	515	Q	23.3
Other	1,050	1,050	Q	298	272	Q	472	Q	383	28.9
Primary Space-Heating Energy Source										
Electricity	13,500	13,500	3,949	2,088	4,452	Q	1,048	5,910	2,299	10.5
Natural Gas	28,808	28,808	1,332	10,473	9,777	252	12,095	9,891	2,470	8.5
Fuel Oil	4,207	4,207	Q	1,229	925	Q	2,893	287	395	20.4
District Heat	5,289	5,289	229	Q	973	5,289	Q	314	730	14.8
Propane	1,545	1,545	Q	847	520	Q	Q	362	Q	27.0
Other	514	514	Q	Q	Q	Q	Q	Q	Q	39.6
Energy End Uses (more than one may apply)										
Buildings with Space Heating	54,347	54,347	5,843	14,923	16,809	5,911	16,754	16,893	6,249	5.8
Buildings with Cooling	49,935	49,090	5,813	12,967	14,831	5,286	15,050	16,643	5,899	5.9
Buildings with Water Heating	51,560	50,796	5,639	13,445	15,547	5,662	16,617	16,027	5,952	5.8
Buildings with Cooking	20,713	20,338	2,290	3,651	6,013	2,124	9,429	7,204	3,526	7.3
Buildings with Manufacturing	3,893	3,689	446	999	1,385	Q	981	1,320	623	16.3
Buildings with Electricity Generation	13,366	13,165	1,580	1,894	4,296	2,489	6,503	4,021	3,388	8.7
Percent of Floorspace Heated										
Not Heated	4,425	--	--	--	--	--	--	--	--	20.7
1 to 50	6,227	6,227	464	2,375	2,381	Q	694	2,191	563	17.3
51 to 99	8,868	8,868	1,083	2,535	3,013	805	2,603	2,823	1,345	13.3
100	39,252	39,252	4,296	10,013	11,415	5,026	13,456	11,879	4,341	6.3
Heating Equipment (more than one may apply)										
Heat Pumps	5,843	5,843	5,843	950	1,812	275	1,386	1,557	680	11.8
Furnaces	14,923	14,923	950	14,923	4,856	Q	1,599	3,137	841	10.0
Individual Space Heaters	16,809	16,809	1,812	4,856	16,809	1,068	4,657	5,044	2,432	9.8
District Heat	5,911	5,911	275	Q	1,068	5,911	Q	434	881	14.3
Boilers	16,754	16,754	1,386	1,599	4,657	Q	16,754	3,242	2,394	8.6
Packaged Heating Units	16,893	16,893	1,557	3,137	5,044	434	3,242	16,893	1,466	8.8
Other	6,249	6,249	680	841	2,432	881	2,394	1,466	6,249	13.7

See footnotes at end of table.

Table 34. Heating Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Heated Buildings	Heating Equipment (more than one may apply)							RSE Row Factor
			Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other	
RSE Column Factor:	0.6	0.6	1.3	1.1	1.0	1.5	0.9	0.9	1.5	
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	9,238	8,975	698	5,320	2,884	543	2,305	1,995	1,076	10.6
Heat Pumps	6,931	6,888	5,302	1,387	2,183	481	1,523	2,088	805	11.8
Individual Air Conditioners	12,494	12,294	1,320	3,400	5,440	1,161	5,612	2,731	1,533	9.2
District Chilled Water	2,521	2,479	Q	Q	369	2,192	215	162	385	19.8
Central Chillers	11,065	10,857	1,036	737	3,305	2,181	7,049	2,280	3,381	11.0
Packaged Air Conditioning Units	26,628	26,297	2,179	6,629	8,689	2,013	7,569	14,953	3,311	7.6
Swamp Coolers	2,451	2,443	379	720	897	Q	790	1,053	273	22.5
Other	949	949	Q	216	359	Q	552	274	234	29.2
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	20,713	20,338	2,290	3,651	6,013	2,124	9,429	7,204	3,526	7.3
Computer Room	12,890	12,731	1,552	1,881	4,347	2,558	5,711	4,105	2,836	8.2
Activities with Large Amounts of Hot Water	6,753	6,658	992	1,189	2,182	953	3,213	2,159	938	12.1
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	46,355	44,941	5,090	11,807	13,663	5,046	14,018	14,952	5,595	6.3
Wall Insulation	31,694	31,112	4,112	8,793	9,652	3,054	8,874	10,663	4,081	7.2
Storm or Multiple Glazing	28,876	28,454	3,501	7,911	8,659	3,163	9,982	8,534	3,767	6.7
Tinted, Reflective or Shading Glass	24,245	23,686	3,009	5,046	6,684	2,988	7,646	8,722	3,788	6.9
Exterior or Interior Shading or Awnings	37,208	36,667	4,686	8,400	10,575	4,358	12,888	11,773	4,564	6.3
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	13,473	13,250	1,216	1,496	4,071	2,911	5,757	3,942	3,219	9.3
Economizer Cycle	16,550	16,484	1,753	2,539	5,276	2,971	7,153	5,910	3,460	8.1
HVAC Maintenance	43,134	43,036	5,074	10,051	12,392	5,581	15,279	14,195	5,615	6.3
Other Energy Efficient Equipment	6,453	6,408	818	1,128	2,161	1,127	2,689	2,001	1,375	10.5
Off-Hour Equipment Reduction (more than one may apply)										
Heating	38,326	38,326	3,544	11,429	11,642	2,890	11,213	11,739	4,135	6.9
Cooling	35,605	34,890	3,608	9,871	10,422	2,684	10,137	11,643	3,906	7.0
Lighting	44,937	42,747	4,348	12,420	12,996	3,456	12,354	13,279	4,444	6.7

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

-- = Data not applicable.

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 35. Cooling Equipment, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.1	0.9	1.9	0.9	0.7	1.9	2.0	
All Buildings	4,579	3,381	878	457	862	53	109	1,431	186	18	9.3
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	1,650	453	235	467	Q	Q	569	97	Q	12.2
5,001 to 10,000	1,035	754	236	77	171	Q	Q	345	41	Q	17.7
10,001 to 25,000	745	619	133	96	134	Q	14	310	34	Q	15.5
25,001 to 50,000	213	187	35	23	47	7	29	108	6	Q	13.1
50,001 to 100,000	115	103	14	17	25	5	23	62	4	Q	12.9
100,001 to 200,000	48	44	5	5	11	5	15	25	2	Q	14.2
200,001 to 500,000	19	18	3	3	6	2	9	10	1	Q	13.4
Over 500,000	6	6	1	1	1	1	3	4	Q	Q	17.0
Principal Building Activity											
Education	309	249	35	23	95	26	19	104	Q	Q	23.9
Food Sales	137	128	38	Q	Q	Q	Q	62	Q	Q	31.7
Food Service	285	272	80	Q	65	Q	Q	137	Q	Q	22.4
Health Care	105	105	32	19	38	2	9	36	Q	Q	30.4
Lodging	158	126	26	26	75	Q	12	25	7	Q	27.7
Mercantile and Service	1,289	916	238	79	230	Q	7	400	60	Q	16.8
Office	705	690	201	159	81	5	29	312	Q	3	15.8
Public Assembly	326	246	61	33	81	Q	16	97	Q	Q	29.0
Public Order and Safety	87	38	6	Q	20	Q	5	13	Q	Q	34.6
Religious Worship	269	223	82	31	44	Q	Q	83	Q	Q	30.2
Warehouse and Storage	580	262	73	39	83	Q	2	102	Q	Q	30.7
Other	67	53	Q	Q	Q	Q	2	26	Q	Q	56.9
Vacant	261	73	Q	Q	24	Q	Q	36	Q	Q	40.2
Year Constructed											
1919 or Before	353	260	74	Q	135	Q	4	67	Q	Q	28.3
1920 to 1945	562	382	95	33	148	Q	7	140	11	Q	23.1
1946 to 1959	867	617	182	79	220	5	15	191	48	Q	17.3
1960 to 1969	718	508	110	38	145	10	34	224	32	Q	19.6
1970 to 1979	813	688	154	121	110	Q	18	376	27	Q	14.6
1980 to 1989	846	657	225	116	70	7	23	294	51	2	19.7
1990 to 1992	218	161	19	50	Q	Q	4	80	Q	Q	31.6
1993 to 1995	202	108	19	15	Q	Q	4	59	Q	Q	39.7
Census Region											
Northeast	725	451	120	16	166	3	16	196	Q	Q	18.5
Midwest	1,139	811	313	43	274	Q	26	267	Q	4	18.4
South	1,750	1,433	348	311	311	24	37	599	Q	7	13.6
West	964	687	98	87	110	10	31	369	144	4	20.7
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD	493	321	121	4	105	Q	8	112	Q	Q	33.7
5,500 to 7,000 HDD	975	656	229	18	183	8	24	276	Q	5	17.1
4,000 to 5,499 HDD	1,070	714	188	134	238	16	24	239	Q	7	23.0
Fewer than 4,000 HDD	1,103	887	133	193	152	6	25	452	79	Q	20.7
More than 2,000 CDD and --											
Fewer than 4,000 HDD	937	803	207	108	183	Q	28	353	61	Q	21.5

See footnotes at end of table.

Table 35. Cooling Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.1	0.9	1.9	0.9	0.7	1.9	2.0	
Workers (main shift)											
Fewer than 5	2,505	1,542	454	187	494	Q	Q	457	95	Q	13.0
5 to 9	798	691	160	81	147	Q	Q	332	25	Q	18.8
10 to 19	625	549	149	82	110	Q	8	297	37	Q	18.4
20 to 49	400	361	74	71	66	8	23	202	19	Q	18.3
50 to 99	138	129	22	17	24	8	18	84	4	Q	16.9
100 to 249	71	69	10	14	15	3	21	39	4	Q	14.9
250 or More	43	41	Q	5	6	5	17	20	2	2	16.7
Weekly Operating Hours											
39 or Fewer	899	399	109	55	111	Q	Q	127	Q	Q	22.2
40 to 48	1,257	1,047	281	180	224	Q	22	443	43	Q	15.3
49 to 60	969	795	178	87	238	11	19	331	47	9	17.1
61 to 84	567	446	127	51	102	8	18	181	48	Q	18.8
85 to 167	420	344	99	25	72	7	10	196	Q	Q	21.0
Open Continuously	466	350	83	59	115	Q	30	152	14	2	19.1
Multibuilding Facility											
Part of Multibuilding Facility	1,480	1,020	206	216	285	50	65	383	39	4	14.7
Not on Multibuilding Facility	3,099	2,361	672	241	576	3	44	1,049	146	14	10.9
Predominant Exterior Wall Material											
Masonry	3,061	2,429	609	328	579	42	89	1,108	136	15	10.1
Siding or Shingles	639	448	130	53	210	Q	Q	93	Q	Q	25.2
Metal Panels	662	322	98	53	49	Q	1	130	Q	Q	24.7
Concrete Panels	106	91	19	15	11	3	8	52	5	Q	30.1
Window Glass	46	45	3	2	2	Q	4	39	Q	Q	40.1
Other	50	32	Q	Q	Q	Q	Q	7	Q	Q	68.5
No One Major Type	15	14	Q	Q	Q	Q	Q	Q	Q	Q	97.9
Predominant Roof Material											
Built-Up	1,369	1,113	220	122	220	25	52	618	74	6	14.4
Shingles (Not Wood)	1,486	1,149	362	184	398	Q	14	311	52	Q	16.4
Metal Surfacing	908	508	152	84	86	Q	5	225	37	Q	21.3
Synthetic or Rubber	351	296	55	42	65	9	31	152	3	8	19.9
Slate or Tile	202	143	31	Q	48	Q	4	61	Q	Q	34.1
Wooden Materials	152	106	41	Q	Q	Q	Q	28	Q	Q	44.4
Concrete	58	39	Q	Q	12	Q	2	22	Q	Q	54.7
Other	36	Q	Q	Q	Q	Q	Q	Q	Q	Q	79.9
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Energy Sources (more than one may apply)											
Electricity	4,343	3,376	877	457	857	53	109	1,430	185	18	9.3
Natural Gas	2,478	2,131	625	141	521	17	81	1,011	140	14	10.9
Fuel Oil	607	388	90	55	160	Q	38	120	6	4	21.5
District Heat	110	95	8	2	23	47	15	27	Q	Q	30.8
District Chilled Water	53	53	Q	1	Q	53	Q	5	Q	Q	35.2
Propane	589	431	142	30	132	Q	5	149	Q	Q	24.6
Other	213	107	36	Q	48	Q	5	27	Q	Q	38.5

See footnotes at end of table.

Table 35. Cooling Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential- Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.1	0.9	1.9	0.9	0.7	1.9	2.0	
Cooling Energy Sources (more than one may apply)											
Electricity	3,293	3,293	861	457	857	21	106	1,396	185	18	9.4
Natural Gas	65	65	20	Q	Q	Q	5	42	Q	Q	43.5
District Chilled Water	53	53	Q	1	Q	53	Q	5	Q	Q	35.2
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	3,326	862	457	848	52	108	1,404	182	18	9.5
Buildings with Cooling	3,381	3,381	878	457	862	53	109	1,431	186	18	9.3
Buildings with Water Heating	3,486	2,968	795	403	732	49	108	1,273	170	17	9.7
Buildings with Cooking	828	724	171	84	213	10	44	357	57	5	12.9
Buildings with Manufacturing	204	165	33	27	58	Q	3	49	Q	Q	31.3
Buildings with Electricity Generation	247	206	51	25	50	7	39	108	Q	3	18.8
Percent of Floorspace Cooled											
Not Cooled	1,198	--	--	--	--	--	--	--	--	--	19.8
1 to 50	930	930	222	80	394	Q	8	300	37	Q	17.2
51 to 99	635	635	182	85	182	10	34	292	37	7	17.3
100	1,816	1,816	474	292	286	40	67	839	112	7	11.6
Heating Equipment (more than one may apply)											
Heat Pumps	394	393	30	384	43	Q	8	44	4	Q	20.6
Furnaces	1,676	1,330	640	75	326	Q	9	432	91	4	15.8
Individual Space Heaters	1,188	882	170	96	385	3	28	351	70	9	17.5
District Heat	115	99	8	3	25	48	15	28	Q	Q	30.2
Boilers	610	470	116	31	188	3	77	174	9	9	17.9
Packaged Heating Units	1,031	1,015	114	96	91	3	18	877	57	4	16.5
Other	161	119	25	18	50	2	18	48	4	4	26.9
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	878	878	878	36	101	Q	11	111	25	Q	18.3
Heat Pumps	457	457	36	457	47	1	7	76	6	Q	20.7
Individual Air Conditioners	862	862	101	47	862	Q	21	118	19	3	16.1
District Chilled Water	53	53	Q	1	Q	53	Q	5	Q	Q	35.2
Central Chillers	109	109	11	7	21	Q	109	34	4	2	16.8
Packaged Air Conditioning Units	1,431	1,431	111	76	118	5	34	1,431	55	5	13.7
Swamp Coolers	186	186	25	6	19	Q	4	55	186	Q	33.4
Other	18	18	Q	Q	3	Q	2	5	Q	18	31.1
Energy-Related Space Functions (more than one may apply)											
Commercial Food Preparation ...	828	724	171	84	213	10	44	357	57	5	12.9
Computer Room	234	234	43	21	58	Q	37	139	Q	4	18.5
Activities with Large Amounts of Hot Water	243	200	50	30	77	2	13	72	24	Q	23.8

See footnotes at end of table.

Table 35. Cooling Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.1	0.9	1.9	0.9	0.7	1.9	2.0	
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,380	2,805	781	416	642	46	96	1,186	154	13	9.4
Wall Insulation	2,372	2,057	575	356	413	32	57	881	83	9	10.9
Storm or Multiple Glazing	1,897	1,619	510	230	387	24	62	666	58	11	12.4
Tinted, Reflective or Shading Glass	1,202	1,104	342	156	135	27	56	573	74	8	14.0
Exterior or Interior Shading or Awnings	2,271	2,049	517	348	506	32	89	863	106	14	11.5
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	327	315	57	30	43	30	42	177	18	4	20.8
Economizer Cycle	461	461	73	58	48	15	52	300	51	4	16.6
HVAC Maintenance	2,403	2,103	548	323	468	47	103	975	104	15	11.0
Other Energy Efficient Equipment	198	163	30	25	28	5	14	87	Q	2	24.6
Off-Hour Equipment Reduction (more than one may apply)											
Heating	3,211	2,630	708	330	648	38	66	1,122	153	13	10.8
Cooling	2,707	2,707	720	330	690	38	68	1,152	154	13	10.5
Lighting	3,753	2,964	790	392	726	41	79	1,244	165	12	9.8

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

-- = Data not applicable.

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 36. Cooling Equipment, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.0	0.9	1.5	0.9	0.7	2.1	2.3	
All Buildings	58,772	49,935	9,238	6,931	12,494	2,521	11,065	26,628	2,451	949	6.8
Building Floorspace (Square Feet)											
1,001 to 5,000	6,338	4,376	1,133	652	1,209	Q	Q	1,603	269	Q	11.9
5,001 to 10,000	7,530	5,531	1,732	559	1,277	Q	Q	2,484	322	Q	17.9
10,001 to 25,000	11,617	9,712	1,970	1,523	2,194	239	264	4,932	491	Q	16.3
25,001 to 50,000	7,676	6,760	1,224	826	1,664	275	1,107	3,928	220	Q	13.4
50,001 to 100,000	7,968	7,178	970	1,186	1,690	348	1,666	4,296	317	Q	13.0
100,001 to 200,000	6,776	6,175	707	730	1,617	587	2,080	3,539	312	Q	14.7
200,001 to 500,000	5,553	5,235	824	788	1,639	557	2,687	2,936	290	Q	13.7
Over 500,000	5,313	4,968	677	666	1,205	432	3,124	2,911	Q	Q	17.3
Principal Building Activity											
Education	7,740	6,741	865	615	2,869	653	1,715	2,942	222	Q	16.2
Food Sales	642	612	173	Q	Q	Q	Q	362	Q	Q	29.0
Food Service	1,353	1,310	381	Q	247	Q	Q	815	Q	Q	24.4
Health Care	2,333	2,323	579	327	749	403	1,370	1,291	Q	Q	15.0
Lodging	3,618	3,193	473	827	1,629	Q	873	1,348	354	Q	20.3
Mercantile and Service	12,728	11,086	1,835	1,164	1,761	Q	1,389	6,762	523	Q	15.5
Office	10,478	10,360	1,663	2,229	1,179	568	3,683	5,847	257	301	12.3
Public Assembly	3,948	3,394	552	426	764	372	872	1,669	Q	Q	19.2
Public Order and Safety	1,271	856	193	Q	383	Q	287	420	Q	Q	34.6
Religious Worship	2,792	2,414	800	356	576	Q	Q	971	Q	Q	25.1
Warehouse and Storage	8,481	5,991	1,561	623	1,835	Q	247	3,445	Q	Q	21.6
Other	1,004	921	Q	Q	Q	Q	281	414	Q	Q	40.8
Vacant	2,384	732	Q	Q	192	Q	Q	342	Q	Q	30.2
Year Constructed											
1919 or Before	3,673	2,818	729	Q	1,389	Q	292	1,026	Q	Q	22.7
1920 to 1945	6,710	5,038	766	512	2,122	187	740	2,408	196	Q	18.9
1946 to 1959	9,298	7,549	1,716	1,085	2,713	322	1,433	3,509	413	Q	16.0
1960 to 1969	10,858	8,978	1,423	798	2,732	527	2,603	5,202	423	Q	12.8
1970 to 1979	11,333	10,389	1,851	1,521	1,847	674	2,846	6,087	432	Q	11.5
1980 to 1989	12,252	11,174	2,208	2,131	1,384	400	2,343	6,104	689	178	13.5
1990 to 1992	2,590	2,345	325	506	156	Q	467	1,335	Q	Q	22.4
1993 to 1995	2,059	1,644	219	241	Q	Q	342	957	Q	Q	22.7
Census Region											
Northeast	11,883	9,523	1,702	794	3,725	291	2,502	5,368	Q	Q	13.6
Midwest	14,322	12,033	2,734	912	3,551	778	2,553	5,917	Q	221	13.8
South	20,830	18,606	3,726	3,616	3,698	919	3,736	9,737	517	219	11.6
West	11,736	9,772	1,075	1,609	1,520	533	2,273	5,606	1,743	289	13.7
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD	5,098	4,115	933	298	1,361	Q	643	2,117	Q	Q	24.0
5,500 to 7,000 HDD	14,597	11,903	2,265	655	3,585	624	2,922	6,153	412	360	12.9
4,000 to 5,499 HDD	15,155	12,620	2,554	2,204	3,844	632	3,181	6,616	157	283	14.1
Fewer than 4,000 HDD	13,491	11,981	1,533	2,352	2,029	432	2,581	6,939	893	Q	15.9
More than 2,000 CDD and --											
Fewer than 4,000 HDD	10,430	9,315	1,952	1,421	1,675	726	1,737	4,804	847	Q	16.7

See footnotes at end of table.

Table 36. Cooling Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.0	0.9	1.5	0.9	0.7	2.1	2.3	
Workers (main shift)											
Fewer than 5	13,885	8,324	2,076	980	2,628	Q	280	2,807	523	Q	15.5
5 to 9	6,291	5,260	1,123	529	1,109	Q	Q	2,808	161	Q	18.5
10 to 19	7,102	6,449	1,488	860	1,580	Q	298	3,458	394	Q	15.9
20 to 49	9,132	8,302	1,575	1,271	1,988	250	1,075	4,720	352	Q	14.2
50 to 99	6,931	6,379	917	879	1,643	366	1,505	4,239	248	Q	14.5
100 to 249	5,988	5,872	707	1,065	1,535	356	2,054	3,360	424	Q	13.4
250 or More	9,443	9,349	1,351	1,347	2,011	1,172	5,684	5,237	350	405	11.9
Weekly Operating Hours											
39 or Fewer	6,134	2,845	761	270	683	Q	276	1,000	Q	Q	21.2
40 to 48	13,233	11,401	2,294	1,782	2,578	350	1,349	5,760	501	Q	15.0
49 to 60	12,242	10,897	1,916	1,392	2,781	409	1,969	5,679	488	299	12.8
61 to 84	10,052	9,212	1,460	1,291	1,868	381	2,399	5,127	374	Q	14.4
85 to 167	6,202	5,644	819	442	1,157	395	1,199	3,644	259	Q	16.6
Open Continuously	10,908	9,936	1,988	1,754	3,427	919	3,873	5,418	655	285	11.3
Multibuilding Facility											
Part of Multibuilding Facility	24,352	20,116	3,398	3,352	5,190	2,202	5,717	9,482	831	381	8.3
Not on Multibuilding Facility	34,420	29,819	5,840	3,578	7,303	319	5,348	17,147	1,620	568	9.1
Predominant Exterior Wall Material											
Masonry	42,958	37,394	6,776	5,165	9,601	1,944	8,151	20,258	1,775	736	7.6
Siding or Shingles	3,243	2,369	665	406	1,022	Q	Q	661	Q	Q	27.6
Metal Panels	5,694	3,713	943	506	869	Q	345	1,814	Q	Q	19.3
Concrete Panels	4,069	3,790	542	412	576	302	1,201	2,438	269	Q	18.5
Window Glass	1,755	1,730	192	324	280	Q	887	998	Q	Q	25.3
Other	660	578	Q	Q	Q	Q	304	289	Q	Q	27.9
No One Major Type	393	362	Q	Q	Q	Q	Q	Q	Q	Q	63.8
Predominant Roof Material											
Built-Up	24,481	21,744	3,013	2,895	4,478	1,320	5,412	13,354	1,182	493	10.2
Shingles (Not Wood)	11,093	9,125	2,526	1,277	2,877	Q	966	3,499	420	Q	13.5
Metal Surfacing	7,941	5,564	1,318	1,044	1,236	Q	287	2,880	341	Q	16.7
Synthetic or Rubber	10,235	9,662	1,461	1,254	2,799	682	3,645	5,225	298	312	12.5
Slate or Tile	1,920	1,499	279	196	539	Q	166	727	Q	Q	22.9
Wooden Materials	1,130	730	349	Q	Q	Q	Q	264	Q	Q	45.8
Concrete	1,335	1,065	Q	Q	328	Q	440	355	Q	Q	38.4
Other	332	272	Q	Q	Q	Q	Q	Q	Q	Q	49.1
No One Major Type	305	273	Q	Q	Q	Q	Q	195	Q	Q	57.0
Energy Sources (more than one may apply)											
Electricity	57,076	49,785	9,209	6,918	12,390	2,517	11,057	26,534	2,440	949	6.8
Natural Gas	38,145	35,100	6,959	3,637	9,210	1,287	8,312	20,121	1,884	760	8.3
Fuel Oil	14,421	12,904	1,871	1,999	3,992	1,076	6,205	6,628	563	400	11.1
District Heat	5,658	5,128	543	448	1,144	2,140	2,137	1,906	Q	Q	16.7
District Chilled Water	2,521	2,521	169	175	298	2,521	Q	649	Q	Q	21.1
Propane	5,344	4,520	1,101	566	1,253	Q	448	2,378	Q	Q	22.0
Other	2,336	1,943	337	Q	758	Q	438	997	Q	Q	27.3

See footnotes at end of table.

Table 36. Cooling Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.0	0.9	1.5	0.9	0.7	2.1	2.3	
Cooling Energy Sources (more than one may apply)											
Electricity	47,761	47,761	9,036	6,918	12,328	1,274	10,729	25,949	2,431	919	6.9
Natural Gas	1,314	1,314	232	Q	215	Q	509	892	Q	Q	27.2
District Chilled Water	2,521	2,521	169	175	298	2,521	Q	649	Q	Q	21.1
Energy End Uses (more than one may apply)											
Buildings with Space Heating	54,347	49,090	8,975	6,888	12,294	2,479	10,857	26,297	2,443	949	6.9
Buildings with Cooling	49,935	49,935	9,238	6,931	12,494	2,521	11,065	26,628	2,451	949	6.8
Buildings with Water Heating	51,560	47,249	8,697	6,663	11,804	2,442	10,977	25,476	2,258	928	6.9
Buildings with Cooking	20,713	19,465	3,265	2,779	5,828	982	6,960	11,428	1,056	380	8.5
Buildings with Manufacturing	3,893	3,587	675	521	964	Q	568	1,749	Q	Q	22.4
Buildings with Electricity Generation	13,366	12,986	1,877	1,890	3,103	1,171	6,720	7,514	656	356	10.5
Percent of Floorspace Cooled											
Not Cooled	8,837	--	--	--	--	--	--	--	--	--	17.2
1 to 50	15,027	15,027	3,249	1,330	6,395	Q	969	7,235	597	Q	13.4
51 to 99	12,549	12,549	2,015	2,068	2,965	705	4,956	7,335	595	325	11.2
100	22,359	22,359	3,974	3,533	3,133	1,645	5,140	12,059	1,260	417	8.7
Heating Equipment (more than one may apply)											
Heat Pumps	5,843	5,813	698	5,302	1,320	Q	1,036	2,179	379	Q	12.9
Furnaces	14,923	12,967	5,320	1,387	3,400	Q	737	6,629	720	216	13.2
Individual Space Heaters	16,809	14,831	2,884	2,183	5,440	369	3,305	8,689	897	359	12.9
District Heat	5,911	5,286	543	481	1,161	2,192	2,181	2,013	Q	Q	16.7
Boilers	16,754	15,050	2,305	1,523	5,612	215	7,049	7,569	790	552	10.9
Packaged Heating Units	16,893	16,643	1,995	2,088	2,731	162	2,280	14,953	1,053	274	12.0
Other	6,249	5,899	1,076	805	1,533	385	3,381	3,311	273	234	15.4
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	9,238	9,238	9,238	917	2,424	169	1,432	2,885	356	Q	12.2
Heat Pumps	6,931	6,931	917	6,931	1,519	175	1,179	2,857	508	Q	12.8
Individual Air Conditioners	12,494	12,494	2,424	1,519	12,494	298	2,398	4,976	417	188	11.3
District Chilled Water	2,521	2,521	169	175	298	2,521	Q	649	Q	Q	21.1
Central Chillers	11,065	11,065	1,432	1,179	2,398	Q	11,065	4,796	530	291	11.6
Packaged Air Conditioning Units	26,628	26,628	2,885	2,857	4,976	649	4,796	26,628	1,303	316	9.5
Swamp Coolers	2,451	2,451	356	508	417	Q	530	1,303	2,451	Q	24.8
Other	949	949	Q	Q	188	Q	291	316	Q	949	25.9
Energy-Related Space Functions (more than one may apply)											
Commercial Food Preparation ...	20,713	19,465	3,265	2,779	5,828	982	6,960	11,428	1,056	380	8.5
Computer Room	12,890	12,890	1,997	1,927	3,812	1,226	5,715	7,906	584	474	9.6
Activities with Large Amounts of Hot Water	6,753	6,354	1,008	1,050	2,746	344	2,193	3,146	623	Q	14.4

See footnotes at end of table.

Table 36. Cooling Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Cooled Buildings	Cooling Equipment (more than one may apply)								RSE Row Factor
			Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other	
RSE Column Factor:	0.5	0.5	1.0	1.0	0.9	1.5	0.9	0.7	2.1	2.3	
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	46,355	42,198	7,989	6,041	9,997	2,215	9,981	22,839	1,978	822	7.5
Wall Insulation	31,694	29,545	5,765	4,952	6,533	1,470	6,745	16,015	1,131	673	8.4
Storm or Multiple Glazing	28,876	26,701	5,591	4,104	6,304	1,560	6,805	14,393	1,129	596	8.8
Tinted, Reflective or Shading Glass	24,245	23,202	4,549	3,684	3,967	1,692	7,290	13,429	1,218	611	8.5
Exterior or Interior Shading or Awnings	37,208	34,641	6,119	5,417	8,289	1,991	8,899	18,634	1,742	819	7.5
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	13,473	13,150	1,832	1,485	2,309	1,534	6,502	7,143	602	535	10.3
Economizer Cycle	16,550	16,550	2,319	2,173	3,103	1,340	7,057	10,468	969	518	9.4
HVAC Maintenance	43,134	40,151	6,981	5,919	9,581	2,394	10,620	22,272	1,962	883	7.4
Other Energy Efficient Equipment	6,453	6,092	951	919	1,501	626	2,406	3,564	301	179	13.4
Off-Hour Equipment Reduction (more than one may apply)											
Heating	38,326	34,434	6,403	4,277	7,812	1,454	6,226	18,360	1,569	612	8.3
Cooling	35,605	35,605	6,598	4,372	8,204	1,482	6,477	18,870	1,599	602	8.2
Lighting	44,937	39,237	7,189	5,115	8,828	1,595	7,092	20,799	1,706	601	7.9

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

-- = Data not applicable.

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 37. Refrigeration Equipment, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	All Buildings with Refrigeration Equipment	Types of Equipment (more than one may apply)				All Buildings	All Buildings with Refrigeration Equipment	Types of Equipment (more than one may apply)				
			Walk- in	Open Cases or Cabinets	Closed Cases or Cabinets	Type Unspeci- fied			Walk- in	Open Cases or Cabinets	Closed Cases or Cabinets	Type Unspeci- fied	
RSE Column Factor:	0.5	0.8	1.0	1.4	0.9	5.0	0.4	0.6	0.7	1.0	0.7	3.5	
All Buildings	4,579	1,000	568	227	799	39	58,772	22,179	16,240	7,931	17,203	482	7.2
Building Floorspace (Square Feet)													
1,001 to 5,000	2,399	512	280	98	420	Q	6,338	1,319	752	249	1,050	Q	12.2
5,001 to 10,000	1,035	165	102	32	127	Q	7,530	1,249	776	255	937	Q	24.0
10,001 to 25,000	745	164	78	44	132	Q	11,617	2,617	1,226	752	2,133	Q	18.7
25,001 to 50,000	213	70	42	20	53	Q	7,676	2,606	1,570	767	1,990	Q	13.8
50,001 to 100,000	115	49	32	16	36	Q	7,968	3,417	2,291	1,150	2,499	Q	12.3
100,001 to 200,000	48	23	19	9	17	Q	6,776	3,265	2,696	1,194	2,402	Q	12.6
200,001 to 500,000	19	13	11	5	10	Q	5,553	3,686	3,219	1,641	2,931	Q	12.4
Over 500,000	6	4	4	2	3	Q	5,313	4,021	3,711	1,923	3,261	Q	15.3
Principal Building Activity													
Education	309	97	41	25	78	Q	7,740	4,861	3,357	1,649	3,591	Q	14.8
Food Sales	137	136	102	47	125	Q	642	635	508	354	521	Q	20.7
Food Service	285	272	194	64	212	Q	1,353	1,318	1,118	309	1,012	Q	18.2
Health Care	105	15	7	3	13	Q	2,333	1,653	1,461	661	1,368	Q	19.4
Lodging	158	36	21	12	30	Q	3,618	2,091	1,662	692	1,704	Q	22.1
Mercantile and Service	1,289	249	124	63	202	Q	12,728	5,230	4,024	2,696	4,431	Q	14.8
Office	705	26	11	5	23	Q	10,478	2,699	1,885	1,045	2,168	Q	16.2
Public Assembly	326	86	28	4	65	Q	3,948	1,646	894	285	1,390	Q	25.1
Public Order and Safety	87	4	3	Q	Q	Q	1,271	206	158	Q	Q	Q	42.7
Religious Worship	269	21	Q	Q	13	Q	2,792	288	Q	Q	257	Q	38.0
Warehouse and Storage	580	39	27	Q	24	Q	8,481	1,037	807	Q	285	Q	32.5
Other	67	7	3	Q	Q	Q	1,004	355	226	Q	239	Q	47.1
Vacant	261	Q	Q	Q	Q	Q	2,384	Q	Q	Q	Q	Q	30.3
Year Constructed													
1919 or Before	353	79	40	29	52	Q	3,673	1,210	695	485	779	Q	29.3
1920 to 1945	562	119	65	19	102	Q	6,710	1,961	1,264	331	1,669	Q	22.8
1946 to 1959	867	161	78	30	113	Q	9,298	3,270	2,079	1,166	2,530	Q	17.4
1960 to 1969	718	178	78	41	143	Q	10,858	4,463	3,144	1,262	3,459	Q	16.4
1970 to 1979	813	200	115	34	168	Q	11,333	4,728	3,786	1,695	3,705	Q	13.5
1980 to 1989	846	190	132	58	164	Q	12,252	4,676	3,801	2,209	3,594	Q	16.0
1990 to 1992	218	42	38	Q	33	Q	2,590	1,060	819	455	877	Q	25.7
1993 to 1995	202	30	21	4	23	Q	2,059	809	652	328	590	Q	28.6
Census Region													
Northeast	725	175	95	31	133	Q	11,883	4,984	3,661	1,856	3,804	Q	15.4
Midwest	1,139	242	134	44	187	Q	14,322	5,363	3,920	1,462	4,093	Q	16.1
South	1,750	383	216	98	321	Q	20,830	7,937	5,790	3,285	6,270	Q	12.8
West	964	200	122	54	159	Q	11,736	3,895	2,869	1,329	3,036	Q	16.6
Workers (main shift)													
Fewer than 5	2,505	455	198	80	367	Q	13,885	1,950	827	329	1,432	Q	17.4
5 to 9	798	145	108	17	122	Q	6,291	1,133	748	117	938	Q	20.4
10 to 19	625	167	109	56	131	Q	7,102	1,889	1,117	653	1,502	Q	20.7
20 to 49	400	137	79	35	106	Q	9,132	3,825	2,192	931	2,866	Q	14.3
50 to 99	138	51	40	22	39	Q	6,931	3,714	3,114	1,628	2,847	Q	13.5
100 to 249	71	25	19	10	19	Q	5,988	3,010	2,571	1,307	2,288	Q	14.6
250 or More	43	20	14	8	15	Q	9,443	6,657	5,671	2,968	5,329	Q	13.8

See footnotes at end of table.

Table 37. Refrigeration Equipment, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	All Buildings with Refrigeration Equipment	Types of Equipment (more than one may apply)				All Buildings	All Buildings with Refrigeration Equipment	Types of Equipment (more than one may apply)				
			Walk- in	Open Cases or Cabinets	Closed Cases or Cabinets	Type Unspeci- fied			Walk- in	Open Cases or Cabinets	Closed Cases or Cabinets	Type Unspeci- fied	
RSE Column Factor:	0.5	0.8	1.0	1.4	0.9	5.0	0.4	0.6	0.7	1.0	0.7	3.5	
Weekly Operating Hours													
39 or Fewer	899	70	15	Q	48	Q	6,134	718	305	Q	477	Q	26.3
40 to 48	1,257	124	38	18	92	Q	13,233	2,596	1,523	594	1,995	Q	18.4
49 to 60	969	153	75	23	108	Q	12,242	3,533	2,300	1,064	2,715	Q	18.0
61 to 84	567	225	124	54	203	Q	10,052	5,434	4,008	2,429	4,488	Q	16.1
85 to 167	420	297	223	93	236	Q	6,202	3,642	2,864	1,496	2,655	Q	14.1
Open Continuously	466	130	92	36	110	Q	10,908	6,255	5,240	2,175	4,874	Q	14.6
Multibuilding Facility													
Part of Multibuilding Facility	1,480	214	113	46	175	Q	24,352	9,064	6,782	3,129	7,221	Q	11.8
Not on Multibuilding Facility	3,099	786	455	181	624	33	34,420	13,115	9,458	4,802	9,982	344	8.2
Energy Sources (more than one may apply)													
Electricity	4,343	996	567	227	795	39	57,076	22,071	16,151	7,918	17,095	482	7.1
Natural Gas	2,478	616	365	136	481	21	38,145	16,688	12,467	5,982	12,905	337	8.8
Fuel Oil	607	141	59	24	112	Q	14,421	8,420	6,539	3,155	6,408	Q	15.0
District Heat	110	23	9	5	20	Q	5,658	2,431	1,836	758	1,953	Q	26.2
District Chilled Water	53	Q	4	3	Q	Q	2,521	1,258	830	432	970	Q	27.4
Propane	589	175	97	27	144	Q	5,344	2,462	1,738	787	1,896	Q	24.3
Other	213	38	14	Q	27	Q	2,336	866	656	336	782	Q	30.5
Energy End Uses (more than one may apply)													
Buildings with Space Heating	4,024	961	540	215	768	35	54,347	21,716	15,838	7,799	16,864	446	7.4
Buildings with Cooling	3,381	921	540	220	736	31	49,935	21,094	15,651	7,796	16,384	421	7.5
Buildings with Water Heating	3,486	942	542	222	756	39	51,560	21,776	15,999	7,870	16,941	462	7.1
Buildings with Cooking	828	625	409	165	508	17	20,713	17,895	14,194	7,136	14,403	229	8.3
Buildings with Manufacturing	204	49	18	3	46	Q	3,893	1,408	923	360	1,118	Q	30.9
Buildings with Electricity Generation	247	73	46	28	56	Q	13,366	8,781	7,261	3,863	6,838	Q	12.3
Energy-Related Space Functions (more than one may apply)													
Commercial Food Preparation ...	828	625	409	165	508	17	20,713	17,895	14,194	7,136	14,403	229	8.3
Computer Room	234	68	38	27	56	Q	12,890	7,206	5,816	2,947	5,457	Q	11.8
Activities with Large Amounts of Hot Water	243	105	64	38	92	Q	6,753	4,961	4,145	2,085	4,012	Q	17.5

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

Notes: • To obtain 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 38. Water-Heating Equipment, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Water Heating	Water Heating Equipment			All Buildings	All Buildings with Water Heating	Water Heating Equipment			
			Centralized System	Distributed System	Combination of Centralized and Distributed Systems			Centralized System	Distributed System	Combination of Centralized and Distributed Systems	
RSE Column Factor:	0.8	0.8	0.9	1.4	2.7	0.6	0.6	0.7	1.0	1.6	
All Buildings	4,579	3,486	2,671	742	73	58,772	51,560	31,656	16,495	3,409	5.4
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	1,689	1,431	255	Q	6,338	4,617	3,889	718	Q	8.0
5,001 to 10,000	1,035	780	589	155	Q	7,530	5,652	4,221	1,160	Q	11.7
10,001 to 25,000	745	644	435	201	8	11,617	10,053	6,712	3,195	145	10.5
25,001 to 50,000	213	195	113	70	12	7,676	7,060	4,039	2,544	477	8.3
50,001 to 100,000	115	110	64	38	8	7,968	7,611	4,404	2,675	532	8.7
100,001 to 200,000	48	45	27	14	3	6,776	6,269	3,813	1,968	488	10.4
200,001 to 500,000	19	18	10	6	2	5,553	5,303	2,924	1,602	777	11.0
Over 500,000	6	6	2	3	1	5,313	4,995	1,652	2,633	710	12.5
Principal Building Activity											
Education	309	258	185	62	11	7,740	7,515	5,203	1,424	888	11.6
Food Sales	137	125	104	Q	Q	642	599	443	Q	Q	19.0
Food Service	285	279	232	43	Q	1,353	1,342	1,058	231	Q	17.1
Health Care	105	105	87	17	1	2,333	2,327	1,635	413	279	18.4
Lodging	158	158	98	55	5	3,618	3,609	2,497	811	301	15.6
Mercantile and Service	1,289	916	707	201	Q	12,728	10,925	5,248	5,411	266	11.4
Office	705	678	519	145	15	10,478	10,278	6,076	3,403	799	10.7
Public Assembly	326	276	217	50	Q	3,948	3,632	2,547	831	Q	17.0
Public Order and Safety	87	69	63	Q	Q	1,271	1,018	833	Q	Q	31.0
Religious Worship	269	248	172	66	Q	2,792	2,685	1,482	1,061	Q	17.8
Warehouse and Storage	580	251	185	65	Q	8,481	5,845	3,428	2,251	Q	17.7
Other	67	43	39	4	Q	1,004	893	625	222	Q	34.1
Vacant	261	81	63	11	Q	2,384	892	581	183	Q	24.8
Year Constructed											
1919 or Before	353	287	229	56	Q	3,673	3,206	2,418	623	Q	16.6
1920 to 1945	562	429	350	68	Q	6,710	5,349	3,836	1,225	288	14.8
1946 to 1959	867	656	534	109	Q	9,298	8,136	5,468	2,041	628	11.8
1960 to 1969	718	562	417	129	16	10,858	9,722	6,562	2,530	630	10.6
1970 to 1979	813	632	508	109	14	11,333	10,117	6,191	3,229	698	9.5
1980 to 1989	846	667	447	205	14	12,252	11,105	5,202	5,163	740	11.1
1990 to 1992	218	145	99	45	Q	2,590	2,263	1,200	941	Q	17.5
1993 to 1995	202	108	86	20	Q	2,059	1,661	780	744	Q	21.9
Census Region											
Northeast	725	602	498	90	13	11,883	10,778	6,906	3,056	815	12.5
Midwest	1,139	849	661	174	14	14,322	12,517	7,752	3,787	978	11.1
South	1,750	1,250	937	295	18	20,830	17,511	10,135	6,602	775	9.1
West	964	785	574	182	28	11,736	10,754	6,863	3,050	841	11.0

See footnotes at end of table.

Table 38. Water-Heating Equipment, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Water Heating	Water Heating Equipment			All Buildings	All Buildings with Water Heating	Water Heating Equipment			
			Centralized System	Distributed System	Combination of Centralized and Distributed Systems			Centralized System	Distributed System	Combination of Centralized and Distributed Systems	
RSE Column Factor:	0.8	0.8	0.9	1.4	2.7	0.6	0.6	0.7	1.0	1.6	
Workers (main shift)											
Fewer than 5	2,505	1,587	1,301	270	Q	13,885	8,772	6,640	1,900	Q	9.5
5 to 9	798	705	559	132	Q	6,291	5,610	4,337	1,137	Q	12.6
10 to 19	625	580	438	127	Q	7,102	6,566	4,583	1,802	Q	11.3
20 to 49	400	377	241	123	13	9,132	8,763	5,061	3,193	508	9.8
50 to 99	138	127	72	46	8	6,931	6,622	3,565	2,400	658	10.3
100 to 249	71	69	39	25	5	5,988	5,903	3,009	2,269	625	10.4
250 or More	43	42	21	18	3	9,443	9,324	4,460	3,795	1,069	12.8
Weekly Operating Hours											
39 or Fewer	899	466	404	58	Q	6,134	3,290	2,476	634	Q	14.7
40 to 48	1,257	1,035	759	243	32	13,233	11,585	7,429	3,552	604	10.7
49 to 60	969	742	568	165	9	12,242	10,765	6,809	3,408	548	10.1
61 to 84	567	494	387	100	7	10,052	9,535	4,980	4,113	442	11.2
85 to 167	420	375	287	74	14	6,202	5,928	3,314	1,990	624	13.0
Open Continuously	466	375	266	100	8	10,908	10,457	6,648	2,798	1,011	9.8
Multibuilding Facility											
Part of Multibuilding Facility	1,480	1,036	700	304	32	24,352	21,003	12,483	7,040	1,479	7.8
Not on Multibuilding Facility	3,099	2,450	1,971	438	41	34,420	30,557	19,172	9,455	1,929	6.5
Energy Sources (more than one may apply)											
Electricity	4,343	3,472	2,660	738	73	57,076	51,363	31,506	16,448	3,409	5.4
Natural Gas	2,478	2,201	1,712	434	55	38,145	36,284	22,624	11,064	2,596	6.2
Fuel Oil	607	504	408	74	22	14,421	13,959	8,566	3,923	1,471	12.2
District Heat	110	96	74	17	5	5,658	5,424	3,775	1,020	629	17.7
District Chilled Water	53	49	35	Q	2	2,521	2,442	1,690	540	212	22.1
Propane	589	477	354	121	Q	5,344	4,934	2,761	2,002	Q	17.0
Other	213	158	146	10	Q	2,336	2,024	1,502	283	Q	23.2
Water-Heating Energy Sources (more than one may apply)											
Electricity	1,684	1,684	1,195	469	19	23,056	23,056	10,941	11,036	1,079	8.8
Natural Gas	1,577	1,577	1,245	285	47	24,859	24,859	16,401	6,316	2,143	7.5
Fuel Oil	120	120	98	Q	Q	2,151	2,151	1,618	293	Q	27.1
District Heat	54	54	47	3	4	3,949	3,949	2,963	458	528	20.4
Propane	110	110	89	21	Q	1,020	1,020	612	383	Q	27.2
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	3,418	2,618	726	73	54,347	50,796	31,230	16,171	3,395	5.5
Buildings with Cooling	3,381	2,968	2,210	687	70	49,935	47,249	28,135	15,841	3,274	5.5
Buildings with Water Heating	3,486	3,486	2,671	742	73	51,560	51,560	31,656	16,495	3,409	5.5
Buildings with Cooking	828	816	581	201	34	20,713	20,632	10,898	7,484	2,251	6.7
Buildings with Manufacturing	204	169	116	51	Q	3,893	3,666	1,892	1,559	Q	17.9
Buildings with Electricity Generation	247	238	178	43	17	13,366	13,239	7,186	4,370	1,684	11.7

See footnotes at end of table.

Table 38. Water-Heating Equipment, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	All Buildings with Water Heating	Water Heating Equipment			All Buildings	All Buildings with Water Heating	Water Heating Equipment			
			Centralized System	Distributed System	Combination of Centralized and Distributed Systems			Centralized System	Distributed System	Combination of Centralized and Distributed Systems	
RSE Column Factor:	0.8	0.8	0.9	1.4	2.7	0.6	0.6	0.7	1.0	1.6	
Energy-Related Space Functions (more than one may apply)											
Commercial Food Preparation ...	828	816	581	201	34	20,713	20,632	10,898	7,484	2,251	6.7
Computer Room	234	230	157	55	19	12,890	12,726	7,020	4,028	1,678	10.4
Activities with Large Amounts of Hot Water	243	243	156	78	9	6,753	6,753	4,014	1,843	896	14.0

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

Notes: • To obtain 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 39. Lighting Equipment, Number of Buildings, 1995
(Thousand)

Building Characteristics	All Buildings	All Lit Buildings	Lighting Equipment Types (more than one may apply)					RSE Row Factor
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen	
RSE Column Factor:	0.7	0.7	0.8	0.7	1.4	1.4	1.7	
All Buildings	4,579	4,237	2,479	3,885	364	393	302	5.9
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	2,185	1,205	1,952	101	79	100	9.4
5,001 to 10,000	1,035	948	613	868	75	93	85	12.2
10,001 to 25,000	745	712	431	684	89	107	58	11.5
25,001 to 50,000	213	208	115	200	41	46	23	7.8
50,001 to 100,000	115	113	69	111	30	34	17	8.3
100,001 to 200,000	48	46	29	45	15	20	11	8.7
200,001 to 500,000	19	19	14	18	10	10	6	9.2
Over 500,000	6	6	5	6	3	4	3	10.2
Principal Building Activity								
Education	309	308	149	294	33	42	23	14.6
Food Sales	137	137	50	137	Q	Q	Q	22.2
Food Service	285	285	210	260	50	Q	Q	14.7
Health Care	105	105	81	99	27	Q	Q	25.6
Lodging	158	158	147	134	32	11	28	16.0
Mercantile and Service	1,289	1,268	586	1,202	67	84	79	12.5
Office	705	696	416	695	79	73	41	13.1
Public Assembly	326	326	237	297	26	31	17	19.4
Public Order and Safety	87	87	37	80	4	3	Q	29.6
Religious Worship	269	269	247	193	Q	28	27	19.5
Warehouse and Storage	580	461	226	376	14	56	28	20.4
Other	67	66	35	66	Q	Q	Q	41.3
Vacant	261	71	58	52	Q	Q	Q	31.9
Year Constructed								
1919 or Before	353	328	250	304	29	28	35	18.1
1920 to 1945	562	487	319	454	28	37	31	15.6
1946 to 1959	867	804	503	726	57	75	60	12.7
1960 to 1969	718	686	394	610	54	72	38	12.5
1970 to 1979	813	799	439	739	72	67	47	11.7
1980 to 1989	846	777	392	734	91	65	67	12.5
1990 to 1992	218	197	110	184	19	18	14	20.1
1993 to 1995	202	159	74	134	14	29	9	28.5
Census Region								
Northeast	725	694	390	646	96	102	52	14.0
Midwest	1,139	1,038	661	941	94	116	69	13.3
South	1,750	1,604	857	1,468	82	101	104	9.4
West	964	901	572	831	92	74	76	13.7
Workers (main shift)								
Fewer than 5	2,505	2,168	1,252	1,873	77	115	117	10.2
5 to 9	798	797	524	771	37	57	55	14.5
10 to 19	625	625	323	609	114	83	48	13.2
20 to 49	400	397	232	388	71	76	39	11.0
50 to 99	138	137	76	133	25	28	14	9.9
100 to 249	71	71	41	69	22	21	12	10.2
250 or More	43	43	31	43	20	14	17	15.5

See footnotes at end of table.

Table 39. Lighting Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Lit Buildings	Lighting Equipment Types (more than one may apply)					RSE Row Factor
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen	
RSE Column Factor:	0.7	0.7	0.8	0.7	1.4	1.4	1.7	
Weekly Operating Hours								
39 or Fewer	899	661	424	506	10	27	25	18.4
40 to 48	1,257	1,246	699	1,188	72	121	78	10.7
49 to 60	969	950	523	890	84	91	61	12.1
61 to 84	567	559	333	533	71	62	45	14.1
85 to 167	420	401	214	392	63	39	39	14.1
Open Continuously	466	421	287	376	64	52	54	13.0
Multibuilding Facility								
Part of Multibuilding Facility	1,480	1,315	736	1,194	126	107	79	8.8
Not on Multibuilding Facility	3,099	2,922	1,744	2,691	238	286	223	7.1
Energy Sources (more than one may apply)								
Electricity	4,343	4,237	2,479	3,885	364	393	302	5.8
Natural Gas	2,478	2,440	1,500	2,309	247	273	197	6.9
Fuel Oil	607	586	341	560	66	75	48	16.2
District Heat	110	110	71	109	26	12	7	18.0
District Chilled Water	53	53	32	53	12	5	4	26.8
Propane	589	584	317	519	58	69	39	18.0
Other	213	200	116	183	19	17	Q	27.7
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	3,948	2,329	3,699	357	378	293	6.1
Buildings with Cooling	3,381	3,346	2,056	3,158	339	335	277	6.0
Buildings with Water Heating	3,486	3,431	2,096	3,229	343	373	289	6.5
Buildings with Cooking	828	819	582	793	125	111	75	8.2
Buildings with Manufacturing	204	198	118	184	22	31	18	24.1
Buildings with Electricity Generation	247	246	150	243	54	61	35	15.4
Percent Lit when Open								
Zero	36	Q	Q	Q	Q	Q	Q	55.3
1 to 50	666	666	446	569	42	36	37	15.1
51 to 99	745	745	498	699	48	91	66	14.7
100	2,814	2,814	1,529	2,618	275	266	198	7.2
Building Not in Use/ Electricity Not Used	318	--	--	--	--	--	--	21.4
Percent Lit when Closed								
Zero	1,644	1,620	917	1,397	46	100	39	12.8
1 to 50	2,109	2,109	1,229	2,026	238	228	198	7.3
51 to 100	87	87	46	86	16	13	11	28.3
Never Closed	421	421	287	376	64	52	54	12.9
Building Not in Use/ Electricity Not Used	318	--	--	--	--	--	--	21.4
Lighting Equipment Types (more than one may apply)								
Incandescent	2,479	2,479	2,479	2,150	240	239	222	6.7
Standard Fluorescent	3,885	3,885	2,150	3,885	356	379	300	5.9
Compact Fluorescent	364	364	240	356	364	93	57	10.9
High-Intensity Discharge	393	393	239	379	93	393	98	11.6
Halogen	302	302	222	300	57	98	302	13.4
Other	30	30	Q	Q	3	3	2	34.4

See footnotes at end of table.

Table 39. Lighting Equipment, Number of Buildings, 1995 (Continued)
(Thousand)

Building Characteristics	All Buildings	All Lit Buildings	Lighting Equipment Types (more than one may apply)					RSE Row Factor
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen	
RSE Column Factor:	0.7	0.7	0.8	0.7	1.4	1.4	1.7	
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	828	819	582	793	125	111	75	8.2
Computer Room	234	234	153	233	50	67	38	13.1
Activities with Large Amounts of Hot Water	243	243	155	225	39	49	38	18.1
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	749	749	409	714	111	173	90	11.3
Energy-Efficient Ballasts	1,363	1,363	706	1,336	212	219	116	8.9
Natural Lighting Control Sensors	237	237	158	229	45	74	59	17.3
Occupancy Sensors	131	131	73	119	38	56	11	19.2
Time Clock	467	467	308	445	78	107	76	14.2
Manual Dimmer Switches	501	501	438	468	96	92	88	10.7
Other	79	79	43	78	12	22	5	24.0
Off-Hour Equipment Reduction (more than one may apply)								
Heating	3,211	3,192	1,886	2,987	253	290	226	7.0
Cooling	2,707	2,706	1,674	2,546	248	254	217	7.0
Lighting	3,753	3,753	2,160	3,464	289	337	244	6.6

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

-- = Data not applicable.

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 40. Lighting Equipment, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Lit Buildings	Lighting Equipment Types (more than one may apply)					RSE Row Factor
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen	
	RSE Column Factor:	0.8	0.8	0.9	0.8	1.4	1.2	
All Buildings	58,772	56,261	35,715	53,984	14,273	16,259	9,665	4.4
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	5,785	3,168	5,184	324	233	268	9.6
5,001 to 10,000	7,530	6,898	4,523	6,317	552	704	611	12.5
10,001 to 25,000	11,617	11,136	6,648	10,699	1,359	1,655	872	10.8
25,001 to 50,000	7,676	7,528	4,177	7,237	1,522	1,704	844	8.0
50,001 to 100,000	7,968	7,809	4,718	7,700	2,155	2,420	1,239	8.0
100,001 to 200,000	6,776	6,557	4,169	6,383	2,196	2,911	1,553	8.9
200,001 to 500,000	5,553	5,504	4,135	5,432	2,962	3,094	1,875	9.3
Over 500,000	5,313	5,043	4,177	5,031	3,203	3,537	2,403	10.5
Principal Building Activity								
Education	7,740	7,672	4,727	7,609	1,896	3,112	1,174	9.8
Food Sales	642	642	292	642	Q	Q	Q	17.4
Food Service	1,353	1,353	1,034	1,292	368	Q	Q	16.6
Health Care	2,333	2,333	1,852	2,317	1,387	756	791	10.5
Lodging	3,618	3,601	3,293	3,415	1,529	1,027	953	12.5
Mercantile and Service	12,728	12,621	6,693	12,384	2,500	2,955	2,037	10.5
Office	10,478	10,451	6,800	10,418	4,143	2,761	2,289	7.3
Public Assembly	3,948	3,927	3,071	3,694	1,009	1,339	701	12.1
Public Order and Safety	1,271	1,271	697	1,131	299	224	Q	24.6
Religious Worship	2,792	2,792	2,576	2,358	212	319	334	15.6
Warehouse and Storage	8,481	7,894	3,575	7,078	581	2,925	855	14.1
Other	1,004	988	654	982	175	455	Q	26.8
Vacant	2,384	715	452	665	Q	Q	Q	21.5
Year Constructed								
1919 or Before	3,673	3,469	2,807	3,278	540	597	434	14.2
1920 to 1945	6,710	6,024	4,191	5,786	1,437	1,615	727	12.1
1946 to 1959	9,298	8,897	5,880	8,502	1,571	2,334	1,267	11.0
1960 to 1969	10,858	10,555	6,604	9,846	2,505	2,942	1,521	8.8
1970 to 1979	11,333	11,120	6,739	10,870	3,403	3,473	2,362	7.2
1980 to 1989	12,252	11,769	7,077	11,481	3,403	3,538	2,475	8.3
1990 to 1992	2,590	2,529	1,339	2,432	777	943	479	11.2
1993 to 1995	2,059	1,898	1,079	1,789	637	816	401	14.9
Census Region								
Northeast	11,883	11,346	7,796	10,982	3,947	4,557	2,308	9.1
Midwest	14,322	13,719	9,376	13,116	3,273	4,717	2,098	8.0
South	20,830	19,827	11,678	18,969	4,189	4,654	3,405	8.1
West	11,736	11,370	6,865	10,916	2,864	2,331	1,854	9.5
Workers (main shift)								
Fewer than 5	13,885	11,533	7,242	10,102	688	1,155	784	11.1
5 to 9	6,291	6,264	3,969	6,041	424	762	438	13.3
10 to 19	7,102	7,102	3,552	6,990	1,286	1,464	489	10.5
20 to 49	9,132	9,103	5,524	8,910	1,997	2,648	1,319	8.1
50 to 99	6,931	6,860	4,203	6,624	1,740	2,516	1,389	8.7
100 to 249	5,988	5,975	3,880	5,909	2,017	2,735	1,244	9.3
250 or More	9,443	9,425	7,345	9,409	6,121	4,980	4,001	7.4

See footnotes at end of table.

Table 40. Lighting Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Lit Buildings	Lighting Equipment Types (more than one may apply)					RSE Row Factor
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen	
RSE Column Factor:	0.8	0.8	0.9	0.8	1.4	1.2	1.5	
Weekly Operating Hours								
39 or Fewer	6,134	4,224	2,795	3,358	171	432	280	14.7
40 to 48	13,233	13,079	7,377	12,651	1,650	2,961	1,216	9.8
49 to 60	12,242	12,134	7,053	11,712	2,764	3,000	1,597	8.0
61 to 84	10,052	9,992	6,664	9,851	3,516	3,521	2,546	9.1
85 to 167	6,202	6,145	3,776	6,081	1,709	2,052	1,200	10.6
Open Continuously	10,908	10,688	8,049	10,332	4,464	4,293	2,827	7.2
Multibuilding Facility								
Part of Multibuilding Facility	24,352	23,179	14,466	22,084	6,388	6,570	3,682	5.5
Not on Multibuilding Facility	34,420	33,081	21,248	31,900	7,885	9,688	5,983	5.5
Energy Sources (more than one may apply)								
Electricity	57,076	56,261	35,715	53,984	14,273	16,259	9,665	4.3
Natural Gas	38,145	37,723	24,959	36,817	10,118	12,180	7,243	5.2
Fuel Oil	14,421	14,279	10,614	14,187	6,447	6,481	4,305	6.7
District Heat	5,658	5,638	4,052	5,553	2,674	2,141	1,248	11.5
District Chilled Water	2,521	2,517	1,690	2,517	1,135	834	554	13.4
Propane	5,344	5,304	3,008	5,017	1,114	1,610	751	15.1
Other	2,336	2,216	1,423	2,135	602	651	405	16.9
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	53,686	34,309	52,204	13,979	15,915	9,518	4.6
Buildings with Cooling	49,935	49,547	32,066	48,495	13,653	15,123	9,316	4.5
Buildings with Water Heating	51,560	51,016	33,008	49,850	13,897	15,775	9,436	4.5
Buildings with Cooking	20,713	20,550	15,406	20,404	8,274	8,618	5,648	5.4
Buildings with Manufacturing	3,893	3,856	2,146	3,763	837	1,517	605	14.0
Buildings with Electricity Generation	13,366	13,319	10,098	13,209	7,096	6,829	4,675	6.5
Percent Lit when Open								
Zero	189	Q	Q	Q	Q	Q	Q	36.9
1 to 50	6,008	6,008	3,971	5,533	801	763	513	12.2
51 to 99	9,692	9,692	6,850	9,508	2,615	2,796	1,801	8.7
100	40,514	40,514	24,873	38,934	10,857	12,700	7,346	4.8
Building Not in Use/ Electricity Not Used	2,369	--	--	--	--	--	--	22.3
Percent Lit when Closed								
Zero	13,101	12,958	7,146	11,619	1,142	2,190	742	11.2
1 to 50	30,711	30,711	19,338	30,162	7,819	8,908	5,527	5.4
51 to 100	1,914	1,914	1,193	1,883	860	868	580	22.0
Never Closed	10,677	10,677	8,037	10,320	4,452	4,293	2,815	7.2
Building Not in Use/ Electricity Not Used	2,369	--	--	--	--	--	--	22.3
Lighting Equipment Types (more than one may apply)								
Incandescent	35,715	35,715	35,715	33,733	10,835	11,370	8,029	4.4
Standard Fluorescent	53,984	53,984	33,733	53,984	14,142	15,898	9,574	4.4
Compact Fluorescent	14,273	14,273	10,835	14,142	14,273	7,216	5,564	6.9
High-Intensity Discharge	16,259	16,259	11,370	15,898	7,216	16,259	5,594	6.3
Halogen	9,665	9,665	8,029	9,574	5,564	5,594	9,665	7.2
Other	554	554	471	508	429	Q	Q	48.6

See footnotes at end of table.

Table 40. Lighting Equipment, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Total Floorspace of All Lit Buildings	Lighting Equipment Types (more than one may apply)					RSE Row Factor
			Incandescent	Standard Fluorescent	Compact Fluorescent	High-Intensity Discharge	Halogen	
RSE Column Factor:	0.8	0.8	0.9	0.8	1.4	1.2	1.5	
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	20,713	20,550	15,406	20,404	8,274	8,618	5,648	5.4
Computer Room	12,890	12,821	8,902	12,772	6,192	6,113	4,019	5.9
Activities with Large Amounts of Hot Water	6,753	6,737	5,404	6,621	2,824	3,171	2,164	8.3
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	17,868	17,868	11,976	17,474	7,328	8,987	4,898	6.2
Energy-Efficient Ballasts	28,375	28,375	18,441	27,990	11,155	11,460	7,046	5.1
Natural Lighting Control Sensors	6,431	6,431	5,063	6,317	3,156	3,623	2,578	9.3
Occupancy Sensors	5,958	5,958	3,931	5,835	3,394	3,095	1,949	10.8
Time Clock	13,262	13,262	9,560	13,112	6,259	6,299	4,534	6.5
Manual Dimmer Switches	13,056	13,056	11,162	12,748	6,446	5,635	5,139	6.3
Other	2,836	2,836	1,881	2,828	1,526	1,460	879	14.1
Off-Hour Equipment Reduction (more than one may apply)								
Heating	38,326	38,138	23,405	37,086	8,648	10,305	6,062	5.6
Cooling	35,605	35,481	22,292	34,745	8,639	9,685	6,133	5.4
Lighting	44,937	44,937	27,345	43,074	9,705	11,851	6,767	5.1

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

-- = Data not applicable.

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 41. Energy Conservation Features, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	
	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
RSE Column Factor:	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
All Buildings	4,579	4,075	3,906	2,529	2,084	58,772	55,288	53,190	44,657	38,537	4.0
Building Floorspace (Square Feet)											
1,001 to 5,000	2,399	2,067	1,991	1,086	881	6,338	5,552	5,346	2,978	2,410	6.1
5,001 to 10,000	1,035	917	867	575	496	7,530	6,671	6,344	4,292	3,626	8.4
10,001 to 25,000	745	705	676	527	427	11,617	10,928	10,491	8,139	6,625	7.6
25,001 to 50,000	213	203	195	175	135	7,676	7,311	7,021	6,370	4,936	6.2
50,001 to 100,000	115	113	109	100	83	7,968	7,848	7,530	6,957	5,806	6.4
100,001 to 200,000	48	47	44	41	38	6,776	6,534	6,217	5,787	5,364	7.6
200,001 to 500,000	19	18	18	17	17	5,553	5,427	5,237	5,161	4,912	7.5
Over 500,000	6	6	6	6	5	5,313	5,018	5,005	4,973	4,857	8.8
Principal Building Activity											
Education	309	308	297	241	196	7,740	7,726	7,519	6,918	5,639	9.1
Food Sales	137	130	129	60	57	642	628	609	354	374	15.8
Food Service	285	272	259	191	165	1,353	1,305	1,278	1,030	945	12.6
Health Care	105	102	102	79	45	2,333	2,328	2,328	2,250	1,980	13.1
Lodging	158	157	156	123	70	3,618	3,600	3,556	3,215	2,535	11.7
Mercantile and Service	1,289	1,123	1,055	638	521	12,728	11,888	11,369	9,109	7,962	8.4
Office	705	704	696	529	411	10,478	10,463	10,395	9,619	8,212	7.4
Public Assembly	326	317	294	222	181	3,948	3,908	3,682	3,357	3,009	12.3
Public Order and Safety	87	81	80	56	54	1,271	1,137	1,056	915	747	23.8
Religious Worship	269	265	263	145	134	2,792	2,752	2,720	1,877	1,709	12.3
Warehouse and Storage	580	408	367	174	191	8,481	7,079	6,261	4,677	4,356	13.3
Other	67	61	60	46	37	1,004	979	967	852	721	27.2
Vacant	261	149	148	25	22	2,384	1,494	1,450	485	349	19.5
Year Constructed											
1919 or Before	353	314	296	172	173	3,673	3,470	3,275	2,298	2,328	12.5
1920 to 1945	562	468	443	296	213	6,710	5,582	5,232	4,266	3,495	10.3
1946 to 1959	867	788	751	458	390	9,298	8,806	8,561	6,789	5,683	7.8
1960 to 1969	718	636	590	418	344	10,858	10,188	9,591	8,689	7,246	7.3
1970 to 1979	813	745	725	446	346	11,333	10,978	10,572	8,671	7,639	6.6
1980 to 1989	846	757	748	537	421	12,252	11,791	11,607	10,129	8,564	7.3
1990 to 1992	218	203	196	107	118	2,590	2,533	2,483	2,149	2,023	12.2
1993 to 1995	202	164	158	95	79	2,059	1,939	1,868	1,665	1,558	15.7
Floors											
One	3,018	2,600	2,475	1,490	1,220	24,552	22,001	20,888	15,942	12,843	5.4
Two	1,002	940	911	642	498	14,122	13,756	13,317	11,071	9,372	6.1
Three	399	392	378	271	250	7,335	7,204	6,930	5,908	5,257	10.2
Four to Nine	148	132	129	114	106	8,789	8,451	8,192	7,988	7,443	9.3
Ten or More	12	12	12	11	10	3,975	3,877	3,863	3,748	3,622	11.5
Census Region											
Northeast	725	658	625	493	446	11,883	11,118	10,464	9,854	8,920	9.4
Midwest	1,139	1,030	974	605	486	14,322	13,733	13,162	10,764	9,495	7.8
South	1,750	1,529	1,497	895	654	20,830	19,139	18,757	14,904	12,087	6.3
West	964	858	809	536	498	11,736	11,297	10,806	9,135	8,036	8.5

See footnotes at end of table.

Table 41. Energy Conservation Features, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	
	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
RSE Column Factor:	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
Workers (main shift)											
Fewer than 5	2,505	2,065	1,956	1,023	894	13,885	11,230	10,568	6,137	5,260	6.9
5 to 9	798	755	731	498	396	6,291	5,966	5,689	4,201	3,397	9.3
10 to 19	625	616	598	456	339	7,102	7,000	6,621	5,287	4,203	8.2
20 to 49	400	392	378	330	263	9,132	8,917	8,524	7,796	6,249	6.9
50 to 99	138	133	130	114	94	6,931	6,747	6,504	6,190	5,368	7.9
100 to 249	71	71	70	67	57	5,988	5,985	5,875	5,735	5,049	7.6
250 or More	43	43	43	42	40	9,443	9,443	9,409	9,312	9,012	10.0
Ownership and Occupancy											
Nongovernment Owned	4,025	3,584	3,437	2,133	1,768	46,696	43,720	42,074	34,095	29,737	4.4
Owner Occupied	3,158	2,868	2,762	1,735	1,481	35,573	33,842	32,739	26,731	24,062	4.7
Nonowner Occupied	698	636	595	390	287	9,697	9,172	8,630	7,253	5,625	8.8
Unoccupied	170	80	80	Q	Q	1,426	706	706	Q	Q	21.2
Government Owned	553	491	469	396	316	12,076	11,569	11,116	10,562	8,800	6.4
Energy Sources (more than one may apply)											
Electricity	4,343	4,002	3,833	2,521	2,084	57,076	54,617	52,520	44,490	38,537	3.9
Natural Gas	2,478	2,366	2,287	1,521	1,266	38,145	37,383	36,114	31,011	27,217	4.5
Fuel Oil	607	566	540	443	372	14,421	14,250	13,875	13,335	12,321	9.0
District Heat	110	109	107	91	68	5,658	5,638	5,502	5,398	4,583	13.2
District Chilled Water	53	53	53	48	25	2,521	2,521	2,501	2,446	1,943	17.3
Propane	589	578	561	398	289	5,344	5,281	5,122	4,397	3,736	12.9
Other	213	192	181	105	95	2,336	2,092	2,014	1,784	1,540	17.4
Energy End Uses (more than one may apply)											
Buildings with Space Heating	4,024	3,839	3,703	2,515	1,996	54,347	53,148	51,383	44,317	37,504	4.1
Buildings with Cooling	3,381	3,281	3,192	2,227	1,692	49,935	49,016	47,666	41,648	35,010	3.9
Buildings with Water Heating	3,486	3,381	3,273	2,294	1,816	51,560	50,745	49,132	42,925	36,656	4.1
Buildings with Cooking	828	805	783	584	472	20,713	20,570	20,126	18,590	16,728	5.1
Buildings with Manufacturing	204	195	186	120	108	3,893	3,812	3,695	2,901	2,688	13.8
Buildings with Electricity Generation	247	246	243	210	193	13,366	13,365	13,232	12,961	12,229	8.4
Percent of Floorspace Heated											
Not Heated	554	236	203	14	88	4,425	2,140	1,807	340	1,033	19.8
1 to 50	555	486	443	278	234	6,227	5,555	5,009	3,644	3,071	12.2
51 to 99	633	602	573	373	384	8,868	8,743	8,471	7,059	6,907	9.3
100	2,836	2,751	2,687	1,864	1,378	39,252	38,850	37,903	33,614	27,526	4.1
Percent of Floorspace Cooled											
Not Cooled	1,198	794	713	302	391	8,837	6,272	5,525	3,009	3,527	12.2
1 to 50	930	870	843	535	471	15,027	14,387	13,623	10,981	9,578	7.9
51 to 99	635	627	611	456	376	12,549	12,502	12,314	11,343	10,329	7.4
100	1,816	1,783	1,737	1,236	845	22,359	22,128	21,729	19,324	15,103	5.0

See footnotes at end of table.

Table 41. Energy Conservation Features, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	
	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
RSE Column Factor:	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
Percent Lit when Open											
Zero	36	Q	Q	Q	Q	189	Q	Q	Q	Q	35.1
1 to 50	666	582	548	325	278	6,008	5,254	4,875	3,222	3,076	10.1
51 to 99	745	718	697	486	390	9,692	9,526	9,178	7,976	6,935	9.1
100	2,814	2,630	2,516	1,684	1,416	40,514	39,251	37,879	33,095	28,527	4.6
Building Not in Use/ Electricity Not Used	318	136	136	32	Q	2,369	1,196	1,196	358	Q	20.0
Heating Equipment (more than one may apply)											
Heat Pumps	394	394	386	295	203	5,843	5,827	5,771	5,159	4,112	8.7
Furnaces	1,676	1,594	1,533	987	761	14,923	14,346	13,741	10,532	8,827	6.5
Individual Space Heaters	1,188	1,102	1,065	617	575	16,809	16,288	15,673	12,809	11,836	7.9
District Heat	115	114	112	97	73	5,911	5,892	5,752	5,637	4,796	13.2
Boilers	610	607	583	515	409	16,754	16,716	16,177	15,552	13,661	6.7
Packaged Heating Units	1,031	1,002	983	747	582	16,893	16,701	16,335	14,646	12,220	6.0
Other	161	160	159	103	111	6,249	6,220	6,181	5,695	5,573	14.2
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	878	866	853	569	424	9,238	9,154	8,885	7,205	6,175	6.8
Heat Pumps	457	456	449	340	240	6,931	6,902	6,832	6,077	4,843	8.4
Individual Air Conditioners	862	825	796	487	379	12,494	12,148	11,642	9,823	8,620	7.1
District Chilled Water	53	53	53	48	25	2,521	2,521	2,501	2,446	1,943	17.3
Central Chillers	109	109	108	105	89	11,065	11,061	10,973	10,879	10,160	8.4
Packaged Air Conditioning Units	1,431	1,381	1,346	1,040	804	26,628	26,208	25,606	23,086	19,779	5.3
Swamp Coolers	186	184	170	128	87	2,451	2,379	2,324	2,122	1,468	18.8
Other	18	18	17	15	13	949	948	945	902	846	19.9
Lighting Equipment Types (more than one may apply)											
Incandescent	2,479	2,306	2,234	1,516	1,225	35,715	34,451	33,382	29,008	25,823	4.2
Standard Fluorescent	3,885	3,665	3,521	2,380	1,991	53,984	52,412	50,521	43,403	37,682	4.0
Compact Fluorescent	364	363	359	295	270	14,273	14,145	13,934	13,499	12,965	7.9
High-Intensity Discharge	393	385	365	311	312	16,259	16,153	15,532	14,969	14,692	7.5
Halogen	302	301	298	224	199	9,665	9,654	9,544	8,903	8,813	9.2
Other	30	17	Q	Q	Q	554	517	512	515	499	46.9
Water-Heating Equipment (more than one may apply)											
Centralized System	2,671	2,575	2,489	1,696	1,339	31,656	31,012	29,845	25,459	21,456	4.7
Distributed System	742	733	711	538	420	16,495	16,324	15,902	14,261	12,124	6.3
Combination of Centralized and Distributed System	73	73	73	60	57	3,409	3,409	3,384	3,205	3,076	12.3

See footnotes at end of table.

Table 41. Energy Conservation Features, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	All Buildings	Any Conser- vation Features	Build- ing Shell	HVAC	Light- ing	
	1.1	1.1	1.1	1.3	1.4	0.8	0.8	0.8	0.9	0.9	
RSE Column Factor:											
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,380	3,380	3,380	2,215	1,759	46,355	46,355	46,355	38,639	32,858	4.4
Wall Insulation	2,372	2,372	2,372	1,637	1,289	31,694	31,694	31,694	26,952	22,975	4.9
Storm or Multiple Glazing	1,897	1,897	1,897	1,323	1,043	28,876	28,876	28,876	25,087	21,493	5.0
Tinted, Reflective or Shading Glass	1,202	1,202	1,202	856	651	24,245	24,245	24,245	21,789	19,123	5.6
Exterior or Interior Shading or Awnings	2,271	2,271	2,271	1,543	1,226	37,208	37,208	37,208	31,845	27,125	4.5
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	327	327	324	327	256	13,473	13,473	13,373	13,473	12,220	8.1
Economizer Cycle	461	461	452	461	335	16,550	16,550	16,419	16,550	14,482	6.6
HVAC Maintenance	2,403	2,403	2,319	2,403	1,487	43,134	43,134	41,849	43,134	32,859	4.4
Other Energy Efficient Equipment	198	198	194	198	139	6,453	6,453	6,394	6,453	5,677	10.8
Lighting Conservation Features (more than one may apply)											
Specular Reflectors	749	749	701	580	749	17,868	17,868	17,155	16,167	17,868	6.6
Energy-Efficient Ballasts	1,363	1,363	1,283	1,054	1,363	28,375	28,375	27,430	25,806	28,375	5.5
Natural Lighting Control Sensors	237	237	228	195	237	6,431	6,431	6,296	6,062	6,431	10.4
Occupancy Sensors	131	131	130	112	131	5,958	5,958	5,874	5,723	5,958	12.5
Time Clock	467	467	448	384	467	13,262	13,262	12,966	12,463	13,262	7.9
Manual Dimmer Switches	501	501	491	386	501	13,056	13,056	12,899	12,052	13,056	6.4
Other	79	79	73	67	79	2,836	2,836	2,755	2,708	2,836	16.2
Energy Conservation Features (more than one may apply)											
Any Conservation Features	4,075	4,075	3,906	2,529	2,084	55,288	55,288	53,190	44,657	38,537	4.0
Building Shell	3,906	3,906	3,906	2,443	1,963	53,190	53,190	53,190	43,329	36,922	4.0
HVAC	2,529	2,529	2,443	2,529	1,555	44,657	44,657	43,329	44,657	33,875	4.3
Lighting	2,084	2,084	1,963	1,555	2,084	38,537	38,537	36,922	33,875	38,537	4.5

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

Notes: • To obtain 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 42. Building Shell Conservation Features, Number of Buildings, 1995
(Thousand)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
	0.8	0.9	0.9	1.0	1.1	1.3	1.0	
RSE Column Factor:								
All Buildings	4,579	3,906	3,380	2,372	1,897	1,202	2,271	4.8
Building Floorspace (Square Feet)								
1,001 to 5,000	2,399	1,991	1,718	1,238	909	514	1,048	6.6
5,001 to 10,000	1,035	867	751	480	430	262	468	9.2
10,001 to 25,000	745	676	595	447	357	246	481	9.2
25,001 to 50,000	213	195	166	108	100	92	137	6.5
50,001 to 100,000	115	109	92	59	60	47	85	7.0
100,001 to 200,000	48	44	39	26	26	24	33	7.9
200,001 to 500,000	19	18	16	10	11	12	15	8.3
Over 500,000	6	6	5	4	3	4	4	9.6
Principal Building Activity								
Education	309	297	236	145	96	99	219	12.0
Food Sales	137	129	128	77	44	54	52	20.1
Food Service	285	259	216	173	128	89	131	13.2
Health Care	105	102	91	65	54	31	80	20.1
Lodging	158	156	134	103	82	22	102	14.9
Mercantile and Service	1,289	1,055	910	607	483	285	529	10.3
Office	705	696	634	519	454	310	561	8.8
Public Assembly	326	294	275	180	142	73	164	16.6
Public Order and Safety	87	80	77	56	50	8	43	28.4
Religious Worship	269	263	229	163	160	111	136	15.3
Warehouse and Storage	580	367	306	191	121	90	160	17.9
Other	67	60	58	40	38	Q	28	36.8
Vacant	261	148	86	54	45	17	67	20.9
Year Constructed								
1919 or Before	353	296	220	112	190	49	202	15.7
1920 to 1945	562	443	325	196	202	102	242	14.5
1946 to 1959	867	751	632	373	368	197	441	9.0
1960 to 1969	718	590	527	321	191	140	333	9.9
1970 to 1979	813	725	673	476	297	256	418	8.5
1980 to 1989	846	748	688	603	420	328	440	8.9
1990 to 1992	218	196	176	165	126	84	109	16.3
1993 to 1995	202	158	138	125	104	46	85	22.0
Floors								
One	3,018	2,475	2,169	1,521	1,017	780	1,292	6.3
Two	1,002	911	801	583	512	278	575	7.7
Three	399	378	301	194	268	81	286	12.5
Four to Nine	148	129	101	67	93	55	107	14.3
Ten or More	12	12	9	7	7	8	10	12.5
Census Region								
Northeast	725	625	552	391	407	109	331	13.2
Midwest	1,139	974	848	605	675	268	499	10.3
South	1,750	1,497	1,343	955	541	472	890	6.9
West	964	809	637	421	273	353	551	11.2

See footnotes at end of table.

Table 42. Building Shell Conservation Features, Number of Buildings, 1995
(Continued)
(Thousand)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
	0.8	0.9	0.9	1.0	1.1	1.3	1.0	
RSE Column Factor:	0.8	0.9	0.9	1.0	1.1	1.3	1.0	
Workers (main shift)								
Fewer than 5	2,505	1,956	1,642	1,120	863	493	962	7.3
5 to 9	798	731	642	469	380	228	423	10.7
10 to 19	625	598	550	378	312	184	410	10.1
20 to 49	400	378	331	258	212	153	292	8.9
50 to 99	138	130	112	76	60	69	95	9.2
100 to 249	71	70	64	43	41	43	57	9.4
250 or More	43	43	39	28	29	32	32	16.8
Weekly Operating Hours								
39 or Fewer	899	645	536	380	252	131	259	12.0
40 to 48	1,257	1,150	980	712	572	402	731	7.5
49 to 60	969	845	734	577	463	270	553	8.8
61 to 84	567	510	443	267	209	159	301	11.0
85 to 167	420	360	341	205	168	117	175	10.8
Open Continuously	466	394	347	231	231	123	252	11.1
Ownership and Occupancy								
Nongovernment Owned	4,025	3,437	2,975	2,123	1,703	1,070	1,976	5.1
Owner Occupied	3,158	2,762	2,434	1,785	1,466	856	1,563	5.7
Nonowner Occupied	698	595	494	304	212	208	395	10.9
Unoccupied	170	80	47	34	25	6	19	28.5
Government Owned	553	469	406	249	194	132	295	9.4
Energy Sources (more than one may apply)								
Electricity	4,343	3,833	3,333	2,355	1,869	1,200	2,265	4.7
Natural Gas	2,478	2,287	1,959	1,335	1,130	804	1,383	5.5
Fuel Oil	607	540	472	325	345	110	346	14.9
District Heat	110	107	93	57	45	40	69	19.8
District Chilled Water	53	53	46	32	24	27	32	29.3
Propane	589	561	496	386	324	132	297	14.4
Other	213	181	150	115	83	28	103	23.3
Primary Space-Heating Energy Source								
Electricity	1,007	941	845	672	406	305	651	10.0
Natural Gas	2,106	1,937	1,657	1,138	981	682	1,126	5.9
Fuel Oil	439	374	323	211	233	51	236	18.3
District Heat	107	105	91	56	44	38	68	20.2
Propane	260	254	230	177	156	77	115	18.8
Other	61	49	36	35	Q	Q	Q	40.5
Cooling Energy Sources (more than one may apply)								
Electricity	3,293	3,105	2,729	1,998	1,564	1,070	1,993	4.6
Natural Gas	65	64	49	41	38	16	47	27.8
District Chilled Water	53	53	46	32	24	27	32	29.3

See footnotes at end of table.

Table 42. Building Shell Conservation Features, Number of Buildings, 1995
(Continued)
(Thousand)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
	0.8	0.9	0.9	1.0	1.1	1.3	1.0	
RSE Column Factor:								
Water-Heating Energy Sources (more than one may apply)								
Electricity	1,684	1,578	1,439	1,112	849	564	1,031	7.4
Natural Gas	1,577	1,482	1,242	814	717	501	899	7.5
Fuel Oil	120	118	105	74	84	17	62	30.5
District Heat	54	52	48	35	22	21	32	18.8
Propane	110	103	98	58	58	16	63	27.2
Cooking Energy Sources (more than one may apply)								
Electricity	487	464	414	317	248	172	285	10.9
Natural Gas	448	427	361	236	192	153	278	9.6
Propane	123	108	96	83	71	28	56	25.9
Energy End Uses (more than one may apply)								
Buildings with Space Heating	4,024	3,703	3,226	2,315	1,853	1,171	2,234	4.9
Buildings with Cooling	3,381	3,192	2,805	2,057	1,619	1,104	2,049	4.5
Buildings with Water Heating	3,486	3,273	2,881	2,043	1,688	1,086	2,037	5.1
Buildings with Cooking	828	783	671	483	390	276	499	7.1
Buildings with Manufacturing	204	186	157	126	80	42	108	19.7
Buildings with Electricity Generation	247	243	222	151	148	87	178	13.7
Percent of Floorspace Heated								
Not Heated	554	203	155	57	44	31	37	23.1
1 to 50	555	443	350	232	168	134	266	14.9
51 to 99	633	573	497	391	318	211	392	10.8
100	2,836	2,687	2,379	1,693	1,367	826	1,576	5.0
Percent of Floorspace Cooled								
Not Cooled	1,198	713	576	315	278	98	223	16.1
1 to 50	930	843	703	448	418	237	521	10.3
51 to 99	635	611	537	405	362	240	436	10.1
100	1,816	1,737	1,565	1,204	839	627	1,092	5.5
Percent Lit when Open								
Zero	36	Q	Q	Q	Q	Q	Q	46.9
1 to 50	666	548	443	315	287	183	330	11.4
51 to 99	745	697	614	439	329	231	457	12.3
100	2,814	2,516	2,226	1,560	1,236	774	1,445	5.8
Building Not in Use/ Electricity Not Used	318	136	90	56	43	7	39	23.9

See footnotes at end of table.

**Table 42. Building Shell Conservation Features, Number of Buildings, 1995
(Continued)**
(Thousand)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
	0.8	0.9	0.9	1.0	1.1	1.3	1.0	
RSE Column Factor:								
Percent Lit when Closed								
Zero	1,644	1,389	1,206	841	576	356	749	9.6
1 to 50	2,109	1,917	1,678	1,203	1,016	692	1,195	5.9
51 to 100	87	80	70	41	33	24	37	26.5
Never Closed	421	384	337	231	228	123	251	10.9
Building Not in Use/ Electricity Not Used	318	136	90	56	43	7	39	23.9
Building Shell Conservation Features (more than one may apply)								
Roof or Ceiling Insulation	3,380	3,380	3,380	2,232	1,688	1,048	1,913	5.0
Wall Insulation	2,372	2,372	2,232	2,372	1,398	775	1,393	5.3
Storm or Multiple Glazing	1,897	1,897	1,688	1,398	1,897	733	1,231	6.2
Tinted, Reflective or Shading Glass	1,202	1,202	1,048	775	733	1,202	859	6.7
Exterior or Interior Shading or Awnings	2,271	2,271	1,913	1,393	1,231	859	2,271	5.5
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	327	324	295	241	239	179	223	12.5
Economizer Cycle	461	452	405	310	302	222	296	9.6
HVAC Maintenance	2,403	2,319	2,111	1,545	1,260	812	1,482	5.8
Other Energy Efficient Equipment	198	194	171	141	98	74	114	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 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 43. Building Shell Conservation Features, Floorspace, 1995
(Million Square Feet)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
RSE Column Factor:	0.9	0.9	1.0	1.1	1.1	1.1	1.0	
All Buildings	58,772	53,190	46,355	31,694	28,876	24,245	37,208	3.9
Building Floorspace (Square Feet)								
1,001 to 5,000	6,338	5,346	4,631	3,384	2,475	1,353	2,806	6.4
5,001 to 10,000	7,530	6,344	5,487	3,503	3,220	1,869	3,470	9.2
10,001 to 25,000	11,617	10,491	9,236	6,846	5,550	3,836	7,514	8.6
25,001 to 50,000	7,676	7,021	5,961	3,906	3,638	3,365	4,934	6.8
50,001 to 100,000	7,968	7,530	6,400	4,090	4,235	3,366	5,864	6.7
100,001 to 200,000	6,776	6,217	5,529	3,633	3,598	3,372	4,700	8.0
200,001 to 500,000	5,553	5,237	4,684	3,120	3,345	3,486	4,454	8.8
Over 500,000	5,313	5,005	4,425	3,211	2,815	3,598	3,467	9.5
Principal Building Activity								
Education	7,740	7,519	6,409	3,637	3,588	2,778	6,010	8.2
Food Sales	642	609	591	359	218	237	284	15.8
Food Service	1,353	1,278	1,004	842	733	501	784	14.3
Health Care	2,333	2,328	2,199	1,701	1,782	1,661	2,106	9.7
Lodging	3,618	3,556	3,010	2,444	2,433	1,253	2,520	11.2
Mercantile and Service	12,728	11,369	10,088	6,664	5,156	4,713	6,335	8.5
Office	10,478	10,395	9,182	7,021	6,867	6,831	9,229	6.5
Public Assembly	3,948	3,682	3,226	2,041	1,944	1,663	2,448	11.4
Public Order and Safety	1,271	1,056	1,021	602	653	371	650	20.7
Religious Worship	2,792	2,720	2,397	1,724	1,954	1,166	1,686	12.6
Warehouse and Storage	8,481	6,261	5,382	3,371	2,424	2,337	3,716	13.3
Other	1,004	967	895	656	606	424	675	24.5
Vacant	2,384	1,450	952	631	518	309	765	17.5
Year Constructed								
1919 or Before	3,673	3,275	2,435	1,326	2,134	806	2,430	11.8
1920 to 1945	6,710	5,232	3,801	1,944	2,484	1,513	3,571	11.2
1946 to 1959	9,298	8,561	7,382	4,133	4,085	2,922	5,965	8.8
1960 to 1969	10,858	9,591	8,387	4,829	3,913	3,757	6,504	6.9
1970 to 1979	11,333	10,572	9,678	6,740	5,191	5,540	7,194	6.0
1980 to 1989	12,252	11,607	10,589	9,116	7,507	6,964	8,492	6.9
1990 to 1992	2,590	2,483	2,339	2,098	2,001	1,651	1,732	10.2
1993 to 1995	2,059	1,868	1,745	1,508	1,562	1,093	1,321	12.6
Floors								
One	24,552	20,888	18,412	12,718	9,077	8,007	12,524	6.3
Two	14,122	13,317	11,936	8,067	6,920	5,768	8,975	6.1
Three	7,335	6,930	5,810	3,775	4,652	2,785	5,510	9.3
Four to Nine	8,789	8,192	7,002	4,780	5,840	4,996	6,976	6.8
Ten or More	3,975	3,863	3,195	2,353	2,387	2,689	3,223	9.9
Census Region								
Northeast	11,883	10,464	9,040	5,927	6,442	3,585	7,033	8.8
Midwest	14,322	13,162	11,620	8,467	9,464	5,474	8,698	7.1
South	20,830	18,757	16,743	11,878	8,475	8,976	13,138	6.5
West	11,736	10,806	8,952	5,422	4,495	6,210	8,339	8.6

See footnotes at end of table.

Table 43. Building Shell Conservation Features, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
	0.9	0.9	1.0	1.1	1.1	1.1	1.0	
RSE Column Factor:								
Workers (main shift)								
Fewer than 5	13,885	10,568	8,643	5,737	5,013	2,932	5,326	8.4
5 to 9	6,291	5,689	4,861	3,423	2,873	1,739	3,420	10.9
10 to 19	7,102	6,621	5,899	3,939	3,180	2,237	4,582	7.9
20 to 49	9,132	8,524	7,531	5,414	4,557	3,369	6,605	6.5
50 to 99	6,931	6,504	5,603	3,688	3,819	3,307	5,025	7.6
100 to 249	5,988	5,875	5,362	3,485	3,428	3,694	4,779	7.9
250 or More	9,443	9,409	8,456	6,008	6,006	6,968	7,472	6.9
Weekly Operating Hours								
39 or Fewer	6,134	4,482	3,616	2,398	1,889	1,090	1,979	10.2
40 to 48	13,233	11,977	10,340	6,798	6,484	5,266	8,796	8.1
49 to 60	12,242	11,170	9,621	7,118	6,051	5,255	8,379	6.4
61 to 84	10,052	9,590	8,510	5,355	4,830	4,637	6,318	7.6
85 to 167	6,202	5,560	5,074	3,042	2,740	2,595	3,719	8.9
Open Continuously	10,908	10,411	9,194	6,982	6,883	5,402	8,016	6.2
Ownership and Occupancy								
Nongovernment Owned	46,696	42,074	36,498	26,016	23,322	19,496	28,878	4.4
Owner Occupied	35,573	32,739	28,681	20,899	19,243	15,089	22,376	4.6
Nonowner Occupied	9,697	8,630	7,379	4,823	3,860	4,271	6,194	8.9
Unoccupied	1,426	706	439	293	219	137	309	26.3
Government Owned	12,076	11,116	9,856	5,678	5,554	4,749	8,330	6.2
Energy Sources (more than one may apply)								
Electricity	57,076	52,520	45,886	31,505	28,606	24,184	37,011	3.9
Natural Gas	38,145	36,114	31,323	21,272	20,125	16,871	25,919	4.6
Fuel Oil	14,421	13,875	12,325	8,690	9,453	7,670	10,705	6.7
District Heat	5,658	5,502	4,820	2,972	3,016	2,876	4,144	9.5
District Chilled Water	2,521	2,501	2,215	1,470	1,560	1,692	1,991	11.5
Propane	5,344	5,122	4,474	3,648	3,252	1,835	3,378	13.4
Other	2,336	2,014	1,735	1,204	1,302	878	1,675	15.9
Primary Space-Heating Energy Source								
Electricity	13,500	12,858	11,636	8,959	6,688	7,118	9,796	7.3
Natural Gas	28,808	27,193	23,631	15,840	15,265	12,152	18,696	4.9
Fuel Oil	4,207	3,779	3,164	1,872	2,256	993	2,744	14.1
District Heat	5,289	5,132	4,484	2,763	2,755	2,651	3,882	9.4
Propane	1,545	1,497	1,272	1,086	941	468	813	21.8
Other	514	441	321	302	Q	Q	Q	32.5
Cooling Energy Sources (more than one may apply)								
Electricity	47,761	45,507	40,331	28,314	25,484	22,022	32,991	4.0
Natural Gas	1,314	1,301	1,088	831	836	681	1,112	17.3
District Chilled Water	2,521	2,501	2,215	1,470	1,560	1,692	1,991	11.5

See footnotes at end of table.

Table 43. Building Shell Conservation Features, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
RSE Column Factor:	0.9	0.9	1.0	1.1	1.1	1.1	1.0	
Water-Heating Energy Sources (more than one may apply)								
Electricity	23,056	21,832	19,830	14,748	12,417	11,165	15,461	6.7
Natural Gas	24,859	23,753	20,307	13,431	13,186	10,986	17,382	5.0
Fuel Oil	2,151	2,089	1,845	1,016	1,177	548	1,638	16.1
District Heat	3,949	3,873	3,418	2,046	2,001	2,033	2,924	11.1
Propane	1,020	992	850	635	540	317	758	20.6
Cooking Energy Sources (more than one may apply)								
Electricity	12,249	12,003	10,824	7,758	6,895	6,899	8,719	6.9
Natural Gas	13,195	12,831	11,257	7,567	7,552	6,749	9,603	5.9
Propane	1,480	1,358	1,142	986	859	477	1,001	21.4
Energy End Uses (more than one may apply)								
Buildings with Space Heating	54,347	51,383	44,941	31,112	28,454	23,686	36,667	4.0
Buildings with Cooling	49,935	47,666	42,198	29,545	26,701	23,202	34,641	4.0
Buildings with Water Heating	51,560	49,132	43,107	29,797	27,490	23,268	35,510	4.0
Buildings with Cooking	20,713	20,126	17,680	12,352	11,768	10,663	15,086	4.8
Buildings with Manufacturing	3,893	3,695	3,321	2,272	1,596	1,557	2,726	11.7
Buildings with Electricity Generation	13,366	13,232	11,939	8,557	8,752	8,385	10,537	6.1
Percent of Floorspace Heated								
Not Heated	4,425	1,807	1,414	582	422	559	541	23.3
1 to 50	6,227	5,009	3,953	2,612	2,048	2,040	3,348	13.7
51 to 99	8,868	8,471	7,499	5,494	4,642	4,188	6,279	9.0
100	39,252	37,903	33,488	23,006	21,765	17,458	27,040	4.1
Percent of Floorspace Cooled								
Not Cooled	8,837	5,525	4,157	2,148	2,175	1,043	2,567	13.2
1 to 50	15,027	13,623	11,596	7,053	6,949	4,903	9,387	8.0
51 to 99	12,549	12,314	10,941	7,915	7,579	6,891	9,573	6.6
100	22,359	21,729	19,662	14,577	12,173	11,408	15,681	5.2
Percent Lit when Open								
Zero	189	Q	Q	Q	Q	Q	Q	32.2
1 to 50	6,008	4,875	3,762	2,685	2,553	1,791	3,303	9.8
51 to 99	9,692	9,178	8,106	5,834	5,066	4,133	7,081	8.1
100	40,514	37,879	33,635	22,646	20,827	18,148	26,322	4.3
Building Not in Use/ Electricity Not Used	2,369	1,196	801	508	419	144	496	19.5

See footnotes at end of table.

Table 43. Building Shell Conservation Features, Floorspace, 1995 (Continued)
(Million Square Feet)

Building Characteristics	Types of Building Shell Conservation Features (more than one may apply)							RSE Row Factor
	All Buildings	Any Building Shell Conser- vation Features	Roof or Ceiling Insulation	Wall Insula- tion	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	
	0.9	0.9	1.0	1.1	1.1	1.1	1.0	
RSE Column Factor:								
Building Shell Conservation Features (more than one may apply)								
Roof or Ceiling Insulation	46,355	46,355	46,355	29,919	25,882	21,522	32,169	4.2
Wall Insulation	31,694	31,694	29,919	31,694	20,737	15,475	22,463	4.7
Storm or Multiple Glazing	28,876	28,876	25,882	20,737	28,876	16,231	22,098	4.4
Tinted, Reflective or Shading Glass	24,245	24,245	21,522	15,475	16,231	24,245	19,355	4.4
Exterior or Interior Shading or Awnings	37,208	37,208	32,169	22,463	22,098	19,355	37,208	4.0
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	13,473	13,373	12,310	9,373	9,347	9,407	10,782	6.3
Economizer Cycle	16,550	16,419	14,913	10,897	11,264	10,566	12,904	5.6
HVAC Maintenance	43,134	41,849	37,489	26,005	24,403	21,177	31,019	4.3
Other Energy Efficient Equipment	6,453	6,394	5,692	4,156	4,150	4,194	5,059	7.8

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 44. Reduction in Equipment Use During Off Hours, Number of Buildings and Floorspace, 1995

Building Characteristics	Number of Buildings (thousand)				Total Floorspace (million square feet)				RSE Row Factor
	All Buildings	Off-Hour Equipment Reduction (more than one may apply)			All Buildings	Off-Hour Equipment Reduction (more than one may apply)			
		Heating	Cooling	Lighting		Heating	Cooling	Lighting	
RSE Column Factor:	1.0	1.2	1.2	1.1	0.8	1.0	1.0	0.9	
All Buildings	4,579	3,211	2,707	3,753	58,772	38,326	35,605	44,937	4.0
Building Floorspace (Square Feet)									
1,001 to 5,000	2,399	1,707	1,353	1,975	6,338	4,531	3,582	5,235	5.2
5,001 to 10,000	1,035	715	622	851	7,530	5,283	4,620	6,242	8.3
10,001 to 25,000	745	518	474	610	11,617	8,095	7,442	9,499	8.1
25,001 to 50,000	213	149	143	176	7,676	5,363	5,160	6,356	6.6
50,001 to 100,000	115	78	73	91	7,968	5,312	5,048	6,266	6.3
100,001 to 200,000	48	32	30	36	6,776	4,460	4,251	5,051	7.9
200,001 to 500,000	19	9	9	12	5,553	2,721	2,692	3,436	8.9
Over 500,000	6	3	3	3	5,313	2,561	2,809	2,851	12.1
Principal Building Activity									
Education	309	278	228	303	7,740	7,059	6,116	7,378	9.0
Food Sales	137	69	74	103	642	272	297	442	15.6
Food Service	285	246	240	272	1,353	1,055	1,057	1,225	12.0
Health Care	105	68	68	80	2,333	516	534	600	19.3
Lodging	158	20	14	15	3,618	225	209	234	27.5
Mercantile and Service	1,289	1,060	809	1,186	12,728	10,118	9,399	11,525	7.8
Office	705	580	574	662	10,478	7,758	7,881	8,945	7.2
Public Assembly	326	259	203	311	3,948	2,892	2,482	3,385	12.0
Public Order and Safety	87	44	7	54	1,271	463	247	628	27.7
Religious Worship	269	239	195	242	2,792	2,578	2,228	2,605	11.9
Warehouse and Storage	580	277	230	418	8,481	4,583	4,336	6,666	13.0
Other	67	19	25	51	1,004	384	410	757	27.5
Vacant	261	52	41	56	2,384	423	410	548	20.3
Year Constructed									
1919 or Before	353	256	222	297	3,673	2,497	2,187	2,991	13.2
1920 to 1945	562	371	278	439	6,710	4,158	3,547	4,898	9.8
1946 to 1959	867	652	527	729	9,298	6,632	5,759	7,599	8.3
1960 to 1969	718	513	397	591	10,858	6,680	6,105	8,052	8.2
1970 to 1979	813	572	552	700	11,333	7,537	7,542	8,760	6.7
1980 to 1989	846	606	536	674	12,252	7,954	7,819	9,248	8.0
1990 to 1992	218	149	120	180	2,590	1,749	1,621	1,984	12.8
1993 to 1995	202	92	76	143	2,059	1,119	1,024	1,404	18.6
Floors									
One	3,018	2,088	1,731	2,472	24,552	16,656	15,123	20,143	5.4
Two	1,002	745	625	826	14,122	9,902	9,198	11,389	6.2
Three	399	297	264	349	7,335	5,297	4,866	6,062	10.0
Four to Nine	148	74	80	99	8,789	4,478	4,402	5,273	11.5
Ten or More	12	7	7	7	3,975	1,992	2,015	2,070	14.9
Census Region									
Northeast	725	541	369	603	11,883	7,907	6,730	8,675	9.9
Midwest	1,139	769	629	938	14,322	9,066	8,142	11,152	8.2
South	1,750	1,230	1,142	1,424	20,830	13,370	13,423	15,899	5.9
West	964	671	567	788	11,736	7,983	7,310	9,211	9.8

See footnotes at end of table.

Table 44. Reduction in Equipment Use During Off Hours, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)				Total Floorspace (million square feet)				RSE Row Factor
	All Buildings	Off-Hour Equipment Reduction (more than one may apply)			All Buildings	Off-Hour Equipment Reduction (more than one may apply)			
		Heating	Cooling	Lighting		Heating	Cooling	Lighting	
RSE Column Factor:	1.0	1.2	1.2	1.1	0.8	1.0	1.0	0.9	
Workers (main shift)									
Fewer than 5	2,505	1,590	1,219	1,890	13,885	8,134	6,484	9,874	7.0
5 to 9	798	640	570	735	6,291	4,759	4,270	5,472	9.2
10 to 19	625	527	480	573	7,102	5,562	5,250	6,277	8.1
20 to 49	400	279	265	351	9,132	6,343	6,013	7,631	7.7
50 to 99	138	98	98	118	6,931	4,582	4,316	5,493	8.5
100 to 249	71	47	48	55	5,988	3,893	3,971	4,499	8.2
250 or More	43	29	28	32	9,443	5,054	5,301	5,690	12.6
Weekly Operating Hours									
39 or Fewer	899	517	345	654	6,134	3,340	2,448	4,123	10.3
40 to 48	1,257	1,093	954	1,229	13,233	11,083	10,156	12,953	6.6
49 to 60	969	824	725	924	12,242	10,592	10,068	11,939	7.2
61 to 84	567	474	396	555	10,052	8,293	8,063	9,951	8.0
85 to 167	420	303	286	391	6,202	5,017	4,871	5,970	7.9
Open Continuously	466	--	--	--	10,908	--	--	--	8.6
Ownership and Occupancy									
Nongovernment Owned	4,025	2,846	2,438	3,307	46,696	30,267	28,437	35,675	4.4
Owner Occupied	3,158	2,292	1,932	2,669	35,573	22,943	21,348	27,042	4.7
Nonowner Occupied	698	539	498	630	9,697	7,235	7,017	8,557	8.8
Unoccupied	170	Q	Q	Q	1,426	Q	Q	Q	22.4
Government Owned	553	365	269	446	12,076	8,059	7,168	9,262	7.2
Energy Sources (more than one may apply)									
Electricity	4,343	3,200	2,706	3,753	57,076	38,172	35,500	44,937	4.0
Natural Gas	2,478	1,973	1,729	2,165	38,145	26,496	24,583	29,458	4.7
Fuel Oil	607	467	280	508	14,421	8,558	7,639	9,550	9.8
District Heat	110	62	58	77	5,658	2,748	2,610	3,306	15.8
District Chilled Water	53	38	38	41	2,521	1,454	1,482	1,595	21.3
Propane	589	470	337	507	5,344	4,049	3,317	4,362	13.6
Other	213	160	88	184	2,336	1,752	1,485	1,870	17.6
Primary Space-Heating Energy Source									
Electricity	1,007	755	687	862	13,500	9,286	9,182	10,796	8.9
Natural Gas	2,106	1,732	1,530	1,884	28,808	21,051	19,368	23,170	5.0
Fuel Oil	439	355	201	381	4,207	3,292	2,405	3,484	14.1
District Heat	107	60	56	75	5,289	2,619	2,464	3,160	16.1
Propane	260	219	142	229	1,545	1,341	982	1,378	19.2
Other	61	54	Q	55	514	462	Q	474	30.2
Cooling Energy Sources (more than one may apply)									
Electricity	3,293	2,566	2,642	2,898	47,761	33,066	34,193	37,851	4.0
Natural Gas	65	57	58	59	1,314	763	794	865	21.5
District Chilled Water	53	38	38	41	2,521	1,454	1,482	1,595	21.3

See footnotes at end of table.

Table 44. Reduction in Equipment Use During Off Hours, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)				Total Floorspace (million square feet)				RSE Row Factor
	All Buildings	Off-Hour Equipment Reduction (more than one may apply)			All Buildings	Off-Hour Equipment Reduction (more than one may apply)			
		Heating	Cooling	Lighting		Heating	Cooling	Lighting	
RSE Column Factor:	1.0	1.2	1.2	1.1	0.8	1.0	1.0	0.9	
Cooking Energy Sources (more than one may apply)									
Electricity	487	386	337	433	12,249	8,043	7,885	8,985	8.0
Natural Gas	448	333	309	375	13,195	8,048	7,515	8,731	7.8
Propane	123	101	90	114	1,480	1,177	1,020	1,232	20.5
Energy End Uses (more than one may apply)									
Buildings with Space Heating	4,024	3,211	2,654	3,522	54,347	38,326	34,890	42,747	4.2
Buildings with Cooling	3,381	2,630	2,707	2,964	49,935	34,434	35,605	39,237	4.0
Buildings with Water Heating	3,486	2,702	2,343	3,021	51,560	35,438	33,195	40,160	4.3
Buildings with Cooking	828	635	569	716	20,713	13,458	12,781	14,863	5.6
Buildings with Manufacturing	204	133	124	186	3,893	2,576	2,501	3,153	14.0
Buildings with Electricity Generation	247	136	106	160	13,366	6,910	6,969	7,919	10.8
Percent of Floorspace Heated									
Not Heated	554	--	53	231	4,425	--	716	2,189	18.7
1 to 50	555	452	334	491	6,227	4,883	4,186	5,268	11.7
51 to 99	633	488	414	540	8,868	5,972	5,640	6,754	9.9
100	2,836	2,271	1,907	2,491	39,252	27,471	25,064	30,725	4.3
Percent of Floorspace Cooled									
Not Cooled	1,198	581	--	789	8,837	3,892	--	5,700	11.6
1 to 50	930	768	804	860	15,027	11,407	11,744	12,876	7.7
51 to 99	635	469	471	531	12,549	8,027	8,321	9,058	7.5
100	1,816	1,393	1,433	1,572	22,359	15,000	15,540	17,303	5.0
Percent Lit when Open									
Zero	36	Q	Q	--	189	Q	Q	--	37.2
1 to 50	666	458	407	561	6,008	4,169	3,850	5,052	9.6
51 to 99	745	614	503	677	9,692	7,073	6,339	8,017	9.7
100	2,814	2,121	1,795	2,515	40,514	26,896	25,291	31,867	4.7
Building Not in Use/ Electricity Not Used	318	Q	Q	--	2,369	Q	Q	--	18.0
Percent Lit when Closed									
Zero	1,644	1,330	1,005	1,620	13,101	10,600	8,918	12,947	7.8
1 to 50	2,109	1,806	1,640	2,083	30,711	26,033	25,054	30,513	4.7
51 to 100	87	64	61	50	1,914	1,534	1,524	1,477	19.7
Never Closed	421	--	--	--	10,677	--	--	--	8.3
Building Not in Use/ Electricity Not Used	318	Q	Q	--	2,369	Q	Q	--	18.0
Heating Equipment (more than one may apply)									
Heat Pumps	394	286	286	350	5,843	3,544	3,608	4,348	8.3
Furnaces	1,676	1,442	1,121	1,511	14,923	11,429	9,871	12,420	6.9
Individual Space Heaters	1,188	955	711	1,018	16,809	11,642	10,422	12,996	8.0
District Heat	115	65	61	81	5,911	2,890	2,684	3,456	15.5
Boilers	610	433	333	484	16,754	11,213	10,137	12,354	7.1
Packaged Heating Units	1,031	818	807	904	16,893	11,739	11,643	13,279	6.2
Other	161	122	92	150	6,249	4,135	3,906	4,444	16.1

See footnotes at end of table.

Table 44. Reduction in Equipment Use During Off Hours, Number of Buildings and Floorspace, 1995 (Continued)

Building Characteristics	Number of Buildings (thousand)				Total Floorspace (million square feet)				RSE Row Factor
	All Buildings	Off-Hour Equipment Reduction (more than one may apply)			All Buildings	Off-Hour Equipment Reduction (more than one may apply)			
		Heating	Cooling	Lighting		Heating	Cooling	Lighting	
RSE Column Factor:	1.0	1.2	1.2	1.1	0.8	1.0	1.0	0.9	
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	878	708	720	790	9,238	6,403	6,598	7,189	7.2
Heat Pumps	457	330	330	392	6,931	4,277	4,372	5,115	7.9
Individual Air Conditioners	862	648	690	726	12,494	7,812	8,204	8,828	7.1
District Chilled Water	53	38	38	41	2,521	1,454	1,482	1,595	21.3
Central Chillers	109	66	68	79	11,065	6,226	6,477	7,092	9.5
Packaged Air Conditioning Units	1,431	1,122	1,152	1,244	26,628	18,360	18,870	20,799	5.6
Swamp Coolers	186	153	154	165	2,451	1,569	1,599	1,706	20.9
Other	18	13	13	12	949	612	602	601	19.6
Lighting Equipment Types (more than one may apply)									
Incandescent	2,479	1,886	1,674	2,160	35,715	23,405	22,292	27,345	4.5
Standard Fluorescent	3,885	2,987	2,546	3,464	53,984	37,086	34,745	43,074	4.0
Compact Fluorescent	364	253	248	289	14,273	8,648	8,639	9,705	9.2
High-Intensity Discharge	393	290	254	337	16,259	10,305	9,685	11,851	8.3
Halogen	302	226	217	244	9,665	6,062	6,133	6,767	10.0
Other	30	Q	Q	Q	554	Q	Q	Q	46.2
Energy Conservation Features (more than one may apply)									
Any Conservation Features	4,075	3,068	2,613	3,502	55,288	37,396	34,804	43,066	4.0
Building Shell	3,906	2,949	2,536	3,342	53,190	36,006	33,692	41,174	4.1
HVAC	2,529	1,978	1,736	2,186	44,657	30,509	28,838	34,326	4.8
Lighting	2,084	1,590	1,351	1,855	38,537	25,770	24,224	29,856	4.8
Off-Hour Equipment Reduction (more than one may apply)									
Heating	3,211	3,211	2,597	3,168	38,326	38,326	33,968	37,919	4.3
Cooling	2,707	2,597	2,707	2,681	35,605	33,968	35,605	35,259	4.2
Lighting	3,753	3,168	2,681	3,753	44,937	37,919	35,259	44,937	4.2

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

-- = Data not applicable.

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.