

Buildings Characteristics

Summary Tables

(12 pages, 59 kb)

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<p>These data are from the 1995 Commercial Buildings Energy Consumption Survey (CBECS), a national probability sample survey of commercial buildings sponsored by the Energy Information Administration, that provides information on the use of energy in commercial buildings in the United States. The 1995 CBECS was the sixth survey in a series begun in 1979. The data were collected from a sample of 6,639 buildings representing 4.6 million commercial buildings and 58.8 billion square feet of commercial floorspace in the U.S. The 1995 data are available for the four Census regions and nine Census division.</p> <p>Data provided here are in the public domain and may be reproduced without permission. appropriate credit would be appreciated. A suggested citation is "U.S. Department of Energy, Energy Information Administration, "A Look at Commercial Buildings in 1995: Characteristics, Energy Consumption, and Energy Expenditures."</p> <p>Electronic Products and Services</p> <p>Users can view and download selected pages, sections, or entire reports, search for information, download data and analysis applications, and find out about new information products and services.</p> <p>Contact: Martha Johnson, Survey Manager (martha.johnson@eia.doe.gov)</p> <p>World Wide Web: http://www.eia.doe.gov/emeu/consumption</p>	

Table 1. 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							
More than 2,000 CDD and --	1,103	13,491	20,560	5.0	800	50	25.5
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.