

**Table A68. Principal Building Activity, Number of Buildings and Floorspace, 1992**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	RSE Row Factor
	0.9	1.1	
RSE Column Factor:			
<b>All Buildings</b> .....	4,806	67,876	3.7
<b>Principal Building Activity</b>			
Education .....	301	8,470	7.5
Food Sales .....	130	757	14.5
Food Service .....	260	1,491	8.7
Health Care			
Inpatient .....	19	1,287	18.7
Outpatient .....	44	476	17.8
Laboratory .....	19	510	23.7
Lodging .....	131	2,175	12.7
Mercantile and Service .....	1,272	12,402	6.3
Office .....	749	12,319	5.8
Parking Garage .....	24	1,652	25.0
Public Assembly .....	278	4,556	12.8
Public Order and Safety .....	60	820	20.7
Religious Worship .....	366	3,747	10.9
Skilled Nursing .....	23	715	22.2
Warehouse and Storage			
Nonrefrigerated .....	733	11,056	8.1
Refrigerated .....	28	428	26.2
Other .....	50	620	18.1
Vacant .....	319	4,396	10.4

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A69. Energy Sources Used for Particular End Uses, Number of Buildings, 1992**  
(Thousand)

Building Characteristics	All Buildings Using Energy	Energy End Use in Building							RSE Row Factor
		Primary Space Heating	Secondary Space Heating	Water Heating	Cooling	Cooking	Manufacturing	Electricity Generation	
RSE Column Factor:	0.9	1.7	1.5	1.1	0.3	0.7	1.9	1.1	
<b>All Buildings</b> .....	4,620	4,178	682	3,502	3,502	734	121	153	5.4
<b>Energy Sources Used for End Use (more than one may apply)</b>									
Electricity .....	4,616	1,107	406	1,696	3,404	356	95	Q	5.8
Natural Gas .....	2,665	2,276	130	1,647	106	431	22	44	8.8
Fuel Oil .....	559	394	84	126	Q	Q	Q	73	13.6
District Heat .....	95	91	4	38	(*)	6	Q	Q	20.6
District Chilled Water .....	28	--	--	--	28	--	--	--	5.5
Propane .....	337	217	38	80	Q	70	9	9	21.5
Wood .....	103	68	33	Q	--	Q	Q	Q	12.8
Any Other .....	67	Q	Q	Q	Q	Q	Q	25	24.6

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

-- = Data not applicable.

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

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A70. Energy Sources Used for Particular End Uses, Floorspace, 1992**

(Million Square Feet)

Building Characteristics	All Buildings Using Energy	Energy End Use in Building							RSE Row Factor
		Primary Space Heating	Secondary Space Heating	Water Heating	Cooling	Cooking	Manufacturing	Electricity Generation	
RSE Column Factor:	0.8	1.3	1.7	1.1	0.3	1.0	1.5	0.9	
<b>Total Floorspace</b> .....	66,574	61,996	16,517	58,479	57,041	23,065	3,174	10,373	5.7
<b>Energy Sources Used for End Use (more than one may apply)</b>									
Electricity .....	66,549	15,502	10,134	25,482	54,628	12,183	2,579	Q	7.6
Natural Gas .....	45,097	35,161	3,363	29,962	1,906	15,233	799	2,691	8.8
Fuel Oil .....	13,218	4,415	2,919	2,470	Q	Q	Q	6,984	10.9
District Heat .....	5,339	5,014	449	3,308	210	809	Q	Q	19.0
District Chilled Water .....	2,066	--	--	--	2,066	--	--	--	5.4
Propane .....	3,393	1,101	466	659	Q	1,039	201	312	22.1
Wood .....	518	257	248	Q	--	Q	Q	Q	11.9
Any Other .....	1,067	546	Q	Q	Q	Q	Q	358	33.4

-- = Data not applicable.

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

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.

**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
	1.1	1.2	1.5	1.0	--	1.3	--	0.4	--	--	
<b>All Buildings</b> .....	4,806	67,876	71,236	14.1	4.5	953	1,013	58	50	28.5	4.0
<b>Building Floorspace (square feet)</b>											
1,001 to 5,000 .....	2,681	7,327	9,701	2.7	2.5	755	850	56	48	28.5	3.3
5,001 to 10,000 .....	975	7,199	7,644	7.4	7.2	942	1,267	57	49	30.5	2.8
10,001 to 25,000 .....	647	10,375	10,357	16.0	15.0	1,002	1,525	60	50	27.5	3.6
25,001 to 50,000 .....	280	10,069	8,674	35.9	35.0	1,161	1,714	67	55	28.5	4.6
50,001 to 100,000 .....	116	8,062	7,830	69.8	68.0	1,030	1,379	73	60	24.5	5.0
100,001 to 200,000 .....	71	9,678	8,282	137.0	130.0	1,169	1,767	77	61	28.5	6.4
200,001 to 500,000 .....	26	7,889	7,545	302.8	270.0	1,046	2,071	94	80	22.5	6.6
Over 500,000 .....	9	7,278	11,203	770.5	600.0	Q	4,133	105	84	18.5	20.4
<b>Principal Building Activity</b>											
Education .....	301	8,470	6,872	28.2	9.0	1,232	960	49	45	28.5	5.2
Food Sales .....	130	757	842	5.8	2.6	899	1,000	108	105	23.5	10.7
Food Service .....	260	1,491	2,244	5.7	3.3	665	613	91	95	31.5	7.2
Health Care .....	63	1,763	3,385	27.9	4.3	521	500	69	50	26.5	10.0
Lodging .....	154	2,891	2,022	18.8	8.0	1,429	1,700	158	168	25.5	8.6
Mercantile and Service .....	1,272	12,402	15,979	9.7	4.0	776	1,077	62	54	28.5	9.0
Office .....	749	12,319	27,161	16.4	5.0	454	500	53	45	26.5	4.7
Parking Garage .....	24	1,652	215	69.9	6.0	7,668	3,000	83	52	21.5	25.6
Public Assembly .....	278	4,556	2,752	16.4	5.9	1,655	1,875	50	45	28.5	13.3
Public Order and Safety .....	60	820	801	13.7	5.0	1,023	1,050	123	168	23.5	17.6
Religious Worship .....	366	3,747	2,298	10.2	4.3	1,630	2,033	22	10	36.5	12.0
Warehouse and Storage .....	761	11,484	4,451	15.1	5.0	2,580	1,925	50	48	22.5	7.5
Other .....	69	1,130	1,232	16.4	4.0	918	1,273	75	56	23.5	16.3
Vacant .....	319	4,396	981	13.8	4.2	4,481	2,000	20	(*)	42.5	14.5
<b>Year Constructed</b>											
1899 or Before .....	169	1,721	1,531	10.2	5.5	1,124	1,350	50	45	104.5	10.6
1900 to 1919 .....	255	3,608	3,004	14.1	5.0	1,201	1,325	51	45	83.5	10.6
1920 to 1945 .....	724	8,712	6,597	12.0	4.2	1,321	1,200	52	48	60.5	7.5
1946 to 1959 .....	880	10,421	9,114	11.8	4.2	1,143	1,000	54	48	40.5	6.1
1960 to 1969 .....	783	12,612	17,873	16.1	4.5	706	1,000	64	51	28.5	8.7
1970 to 1979 .....	982	14,014	14,400	14.3	4.5	973	1,000	60	50	17.5	5.1
1980 to 1989 .....	884	14,287	15,987	16.2	4.8	894	943	64	52	7.5	6.5
1990 to 1992 .....	128	2,502	2,731	19.6	4.8	916	1,138	62	52	1.5	10.6
<b>Census Region</b>											
Northeast .....	771	13,400	18,570	17.4	5.2	722	1,050	62	52	35.5	10.5
Midwest .....	1,202	17,280	14,872	14.4	4.5	1,162	1,225	54	49	32.5	5.5
South .....	1,963	24,577	23,220	12.5	4.0	1,058	1,013	56	48	24.5	5.4
West .....	870	12,619	14,574	14.5	5.0	866	800	65	52	25.5	6.6
<b>Energy Sources (more than one may apply)</b>											
Electricity .....	4,616	66,549	71,187	14.4	4.6	935	1,000	60	50	27.5	3.9
Natural Gas .....	2,665	45,097	51,322	16.9	5.1	879	1,000	63	51	31.5	4.7
Fuel Oil .....	559	13,218	18,068	23.7	5.0	732	1,200	58	50	35.5	6.5
District Heat .....	95	5,339	7,153	56.0	17.0	746	1,125	76	50	33.5	9.9
District Chilled Water .....	28	2,066	2,709	72.6	26.5	763	1,125	77	55	27.5	15.2
Propane .....	337	3,393	2,884	10.1	3.5	1,177	1,183	58	51	24.5	10.1
Any Other .....	163	1,551	1,320	9.5	3.6	1,175	1,600	59	48	30.5	13.9

See footnotes at end of table.

**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992 (Continued)**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
RSE Column Factor:	1.1	1.2	1.5	1.0	--	1.3	--	0.4	--	--	
<b>Energy End Uses (more than one may apply)</b>											
Heated Buildings .....	4,178	61,996	69,607	14.8	4.8	891	1,000	61	50	28.5	4.0
Air-Conditioned Buildings .....	3,502	57,041	66,909	16.3	5.0	853	950	63	51	27.5	4.2
Buildings with Water Heating .....	3,502	58,479	67,233	16.7	5.2	870	960	65	52	28.5	4.2
Buildings with Cooking .....	734	23,065	30,935	31.4	6.3	746	889	79	76	29.5	7.8
Buildings with Manufacturing .....	121	3,174	2,538	26.3	9.6	1,250	1,050	59	49	27.5	10.6
<b>Climate Zone: 45-Year Average</b>											
Fewer than 2,000 CDD and --											
More than 7,000 HDD .....	399	5,623	4,818	14.1	5.0	1,167	1,184	63	52	30.5	10.3
5,500-7,000 HDD .....	1,134	18,024	17,497	15.9	5.0	1,030	1,150	58	50	35.5	6.8
4,000-5,499 HDD .....	1,077	16,162	20,520	15.0	4.0	788	1,167	56	50	28.5	13.4
Fewer than 4,000 HDD .....	1,101	15,251	16,627	13.8	4.5	917	891	59	49	24.5	8.5
More than 2,000 CDD and --											
Fewer than 4,000 HDD .....	1,095	12,816	11,774	11.7	4.2	1,089	1,000	58	48	25.5	8.5
<b>Predominant Exterior Wall Material</b>											
Masonry .....	3,115	48,585	45,457	15.6	5.0	1,069	1,000	61	50	32.5	3.5
Siding or Shingles .....	764	3,873	4,305	5.1	2.9	900	1,000	54	48	32.5	5.8
Metal Panels .....	745	7,392	4,788	9.9	4.0	1,544	1,383	51	48	15.5	7.5
Concrete Panels .....	87	4,961	10,320	56.7	20.0	481	1,025	73	60	16.5	15.4
Window Glass .....	46	2,028	4,302	43.6	9.0	471	600	61	56	22.5	14.3
Other .....	47	1,037	2,064	22.1	4.8	502	750	52	50	20.5	16.1
<b>Predominant Roof Material</b>											
Built-Up .....	1,642	30,257	31,481	18.4	5.8	961	1,000	64	52	32.5	4.5
Shingles (Not Wood) .....	1,381	10,570	9,630	7.7	3.5	1,098	1,000	54	46	30.5	5.4
Metal Surfacing .....	1,037	9,019	6,541	8.7	4.0	1,379	1,250	51	49	16.5	5.9
Synthetic or Rubber .....	386	11,702	18,127	30.3	8.1	646	1,010	65	56	32.5	9.7
Slate or Tile .....	155	1,998	1,627	12.9	5.5	1,228	1,000	57	45	40.5	10.3
Concrete .....	37	2,544	1,676	68.4	12.5	1,518	1,130	77	60	20.5	21.2
Other .....	167	1,786	2,154	10.7	3.7	829	900	64	56	26.5	11.0
<b>Floors</b>											
One .....	3,007	25,424	21,565	8.5	3.5	1,179	1,000	57	50	23.5	4.6
Two .....	1,154	18,025	19,949	15.6	6.0	904	1,080	56	48	33.5	7.7
Three .....	446	9,877	9,592	22.2	8.6	1,030	1,222	65	52	59.5	5.8
Four to Nine .....	186	10,377	11,258	55.7	25.0	922	1,143	74	55	66.5	7.7
Ten or More .....	13	4,173	8,872	319.7	186.0	470	600	81	61	23.5	12.1
<b>Percent Window Glass</b>											
25 or Less .....	4,193	51,356	42,768	12.2	4.2	1,201	1,100	57	49	28.5	3.4
26 to 50 .....	490	11,815	19,249	24.1	7.0	614	800	67	54	28.5	8.5
51 to 75 .....	94	3,206	5,995	34.2	5.8	535	683	71	55	24.5	9.7
76 to 100 .....	29	1,499	3,225	52.6	16.0	465	833	68	50	21.5	14.7
<b>Building Shape</b>											
Square .....	280	3,654	3,673	13.0	3.8	995	857	61	49	28.5	8.1
Rectangle .....	3,659	39,233	38,955	10.7	4.0	1,007	1,000	57	50	27.5	3.2
Rectangle or Square with Courtyard .....	48	1,372	1,539	28.8	10.0	892	1,167	65	58	24.5	14.8
Right Angle .....	333	6,071	5,723	18.2	6.8	1,061	1,167	61	50	32.5	7.7
Other .....	485	17,547	21,346	36.2	10.0	822	1,225	63	50	30.5	10.0

See footnotes at end of table.

**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992 (Continued)**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
	1.1	1.2	1.5	1.0	--	1.3	--	0.4	--	--	
<b>Workers (main shift)</b>											
Less than 5 .....	2,718	17,944	4,736	6.6	3.0	3,789	1,700	54	50	30.5	5.8
5 to 9 .....	895	7,524	5,758	8.4	4.8	1,307	720	61	51	25.5	4.5
10 to 19 .....	561	8,077	7,148	14.4	8.0	1,130	641	63	50	25.5	5.6
20 to 49 .....	405	10,556	11,777	26.1	16.3	896	567	69	53	26.5	4.7
50 to 99 .....	130	7,763	8,375	59.7	38.5	927	650	67	50	23.5	7.0
100 to 249 .....	64	7,378	9,318	114.6	79.0	792	617	82	65	18.5	6.9
250 or More .....	31	8,633	24,124	274.4	150.0	358	320	84	65	22.5	9.5
<b>Weekly Operating Hours</b>											
39 or Fewer .....	1,039	8,246	3,997	7.9	3.5	2,063	1,600	12	9	33.5	7.1
40 to 48 .....	1,278	14,998	17,500	11.7	4.9	857	857	44	45	28.5	3.1
49 to 60 .....	1,004	14,046	15,478	14.0	5.0	907	1,063	54	54	27.5	3.2
61 to 84 .....	645	12,062	12,667	18.7	5.0	952	979	72	70	23.5	4.1
85 to 167 .....	478	8,467	12,470	17.7	4.0	Q	1,000	105	102	27.5	7.5
Open Continuously .....	362	10,057	9,124	27.8	5.0	1,102	1,200	168	168	23.5	0.1
<b>Ownership and Occupancy</b>											
Nongovernment Owned .....	4,206	52,752	52,310	12.5	4.3	1,008	1,025	58	50	28.5	3.2
Owner Occupied .....	3,192	38,403	39,329	12.0	4.2	976	1,050	60	50	27.5	3.2
Nonowner Occupied .....	817	12,273	12,810	15.0	4.8	958	978	61	52	26.5	6.5
Unoccupied .....	197	2,077	171	10.5	3.8	12,161	1,300	9	(*)	36.5	18.8
Government Owned .....	599	15,124	18,926	25.2	6.7	799	1,000	61	45	28.5	9.4
<b>Energy-Related Space Functions (more than one may apply)</b>											
Commercial Food Preparation .....	735	22,166	30,938	30.2	6.3	716	880	79	76	29.5	7.5
Computer Room .....	223	14,199	22,847	63.7	24.5	621	833	69	53	25.5	6.3
Rooms with Special Ventilation .....	236	8,042	9,190	34.0	8.4	875	1,000	73	56	23.5	6.4
Activities with Large Amounts of Hot Water .....	203	6,862	7,084	33.7	10.0	969	1,069	103	95	24.5	7.6
<b>Space-Heating Energy Source (more than one may apply)</b>											
Electricity .....	1,513	25,636	31,533	16.9	5.0	813	923	66	51	21.5	7.6
Natural Gas .....	2,405	38,524	42,893	16.0	5.0	898	1,000	60	50	32.5	5.1
Fuel Oil .....	479	7,334	8,226	15.3	4.8	892	1,208	53	49	37.5	8.0
District Heat .....	94	5,242	7,044	55.9	16.5	744	1,150	76	50	33.5	10.0
Propane .....	255	1,568	1,282	6.2	3.1	1,222	1,200	48	48	23.5	11.4
Wood .....	102	504	461	5.0	3.2	1,093	1,600	55	48	32.5	16.3
Any Other .....	39	661	368	16.9	3.6	1,796	2,000	51	48	20.5	25.6
<b>Primary Space-Heating Energy Source</b>											
Electricity .....	1,107	15,502	17,408	14.0	4.8	891	875	69	53	18.5	6.8
Natural Gas .....	2,276	35,161	39,268	15.5	5.0	895	1,000	60	50	32.5	5.4
Fuel Oil .....	394	4,415	4,960	11.2	4.5	890	1,200	50	48	38.5	9.8
District Heat .....	91	5,014	6,665	54.8	16.3	752	1,150	76	50	33.5	10.3
Propane .....	217	1,101	798	5.1	2.9	1,380	1,333	47	45	24.5	12.5
Wood .....	68	257	242	3.8	2.8	Q	1,425	46	48	32.5	17.2
Any Other .....	Q	546	267	Q	3.6	2,048	2,000	50	48	30.5	28.0

See footnotes at end of table.

**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992 (Continued)**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
	RSE Column Factor:	1.0	1.1	1.5	1.1	--	1.3	--	0.5	--	
<b>Cooling Energy Sources (more than one may apply)</b>											
Electricity .....	3,404	54,628	63,748	16.0	5.0	857	950	63	50	27.5	4.2
Natural Gas .....	106	1,906	2,430	17.9	6.0	784	800	65	56	27.5	10.5
District Chilled Water .....	28	2,066	2,709	72.6	26.5	763	1,125	77	55	27.5	15.2
<b>Water-Heating Energy Sources (more than one may apply)</b>											
Electricity .....	1,696	25,482	27,489	15.0	5.0	927	950	61	50	23.5	5.1
Natural Gas .....	1,647	29,962	34,853	18.2	5.6	860	963	67	54	32.5	6.0
Fuel Oil .....	126	2,470	3,032	19.7	6.4	815	1,125	60	54	45.5	12.8
District Heat .....	38	3,308	4,934	87.1	35.0	670	1,100	91	60	30.5	11.5
Propane .....	80	659	555	8.2	3.5	1,187	1,000	77	63	29.5	15.9
<b>Cooking Energy Sources (more than one may apply)</b>											
Electricity .....	356	12,183	18,405	34.2	6.2	662	933	80	77	25.5	11.8
Natural Gas .....	431	15,233	21,634	35.3	7.8	704	813	83	78	32.5	9.1
Propane .....	70	1,039	1,072	14.9	5.2	969	843	77	77	38.5	15.2
<b>Percent of Floorspace Heated</b>											
Not Heated .....	653	6,211	1,691	9.5	3.3	3,673	1,667	42	43	27.5	11.8
1 to 50 .....	688	11,195	9,940	16.3	5.3	Q	1,850	56	49	32.5	9.5
51 to 99 .....	618	10,211	11,922	16.5	5.5	856	1,000	64	54	31.5	5.6
100 .....	2,846	40,260	47,682	14.1	4.5	844	877	61	50	27.5	3.4
<b>Percent of Floorspace Cooled</b>											
Not Cooled .....	1,304	10,835	4,327	8.3	3.5	2,504	1,538	46	45	31.5	6.6
1 to 50 .....	1,176	21,715	13,207	18.5	6.4	1,644	1,383	60	52	32.5	4.2
51 to 99 .....	658	13,872	23,943	21.1	6.0	579	840	68	54	29.5	7.7
100 .....	1,668	21,454	29,759	12.9	4.0	721	733	63	50	23.5	5.0
<b>Percent Lit when Open</b>											
Not Lit .....	413	3,280	155	7.9	3.1	21,154	1,750	17	(*)	31.5	13.6
1 to 50 .....	881	9,980	4,218	11.3	4.5	2,366	2,000	59	49	33.5	6.3
51 to 99 .....	813	14,224	14,934	17.5	5.5	952	950	60	50	30.5	5.9
100 .....	2,699	40,393	51,929	15.0	4.5	778	867	64	51	25.5	4.6
<b>Percent Lit when Closed</b>											
Not Lit .....	2,987	34,486	27,719	11.5	4.0	1,244	1,200	57	46	27.5	4.2
1 to 50 .....	1,689	31,482	41,483	18.6	6.0	759	911	61	54	28.5	4.8
51 to 99 .....	43	1,021	1,200	24.0	5.2	851	675	58	57	40.5	17.0
100 .....	87	887	835	10.2	3.6	1,063	833	47	55	25.5	17.0
<b>Heating Equipment (more than one may apply)</b>											
Heat Pumps .....	449	8,269	9,484	18.4	6.0	872	900	65	50	15.5	7.0
Furnaces .....	1,692	16,909	19,794	10.0	4.0	854	1,000	57	49	32.5	7.6
Individual Space Heaters .....	1,464	22,380	24,549	15.3	4.8	912	1,225	61	50	28.5	7.5
District Heat .....	93	5,225	7,043	55.9	16.5	742	1,150	76	50	33.5	10.0
Boilers .....	624	20,664	22,422	33.1	10.0	922	1,160	66	54	37.5	5.4
Packaged Heating Units .....	870	16,000	22,847	18.4	6.0	700	800	66	54	21.5	8.5
Other .....	42	903	1,143	21.2	3.4	790	943	83	64	22.5	17.6

See footnotes at end of table.

**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992 (Continued)**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
RSE Column Factor:	1.0	1.1	1.5	1.1	--	1.3	--	0.5	--	--	
<b>Heating Distribution Equipment (more than one may apply)</b>											
Radiators or Baseboards .....	473	13,263	13,548	28.0	9.6	979	1,300	65	52	45.5	5.7
Ducts for Heating .....	2,955	45,422	55,081	15.4	5.0	825	900	61	50	25.5	4.4
Heating Only .....	577	5,950	Q	10.3	3.7	Q	1,325	52	48	36.5	9.1
Heating and Cooling .....	2,378	39,472	46,568	16.6	5.4	848	833	63	50	23.5	3.4
Variable Air-Volume System Used .....	210	11,528	19,351	54.8	13.5	596	707	70	55	18.5	11.9
Fan Coil Units for .....											
Heating .....	99	5,474	6,129	55.5	20.0	893	1,267	73	54	35.5	9.0
Heating Only .....	78	3,569	3,417	45.7	15.5	1,044	1,400	68	53	38.5	11.6
Heating and Cooling .....	21	1,906	2,712	92.5	48.0	703	1,056	89	65	28.5	12.9
Individual Space Heaters .....	1,464	22,380	24,549	15.3	4.8	912	1,225	61	50	28.5	7.5
Other .....	181	3,310	3,213	18.3	4.8	1,030	1,060	67	52	36.5	10.1
<b>Cooling Equipment (more than one may apply)</b>											
Residential-Type Central .....											
Air Conditioners .....	816	9,021	9,734	11.0	4.2	927	900	57	49	29.5	5.7
Heat Pumps .....	454	8,406	9,559	18.5	6.0	879	875	65	50	15.5	6.9
Individual Air .....											
Conditioners .....	1,023	17,979	17,997	17.6	5.0	999	1,250	64	52	36.5	9.7
District Chilled Water .....	28	2,066	2,709	72.6	26.5	763	1,125	77	55	27.5	15.2
Central Chillers .....	142	12,991	18,483	91.5	39.0	703	863	73	55	27.5	7.6
Packaged Air-Conditioning .....											
Units .....	1,459	27,830	32,786	19.1	6.3	849	800	65	54	24.5	4.0
Swamp Coolers .....	179	2,085	3,033	11.7	4.2	687	975	65	51	30.5	14.8
Other .....	8	268	254	35.0	29.0	1,054	1,940	57	60	39.5	30.2
<b>Cooling Distribution Equipment (more than one may apply)</b>											
Ducts for Cooling .....	2,733	47,755	55,881	17.5	5.6	855	850	63	50	24.5	3.3
Cooling Only .....	355	8,283	9,312	23.3	6.6	889	1,000	63	50	32.5	7.0
Heating and Cooling .....	2,378	39,472	46,568	16.6	5.4	848	833	63	50	23.5	3.4
Variable Air-Volume System Used .....	221	12,430	17,840	56.2	15.0	697	670	71	58	18.5	7.5
Fan Coil Units for .....											
Cooling .....	56	3,875	4,926	69.5	21.5	787	925	74	57	31.5	11.4
Cooling Only .....	35	1,969	2,214	56.0	10.5	889	875	66	48	34.5	17.3
Heating and Cooling .....	21	1,906	2,712	92.5	48.0	703	1,056	89	65	28.5	12.9
Individual Air .....											
Conditioners .....	1,023	17,979	17,997	17.6	5.0	999	1,250	64	52	36.5	9.7
Other .....	111	2,919	3,591	26.2	5.9	813	1,050	71	55	27.5	12.8
<b>Lighting Equipment Types (more than one may apply)</b>											
Incandescent .....	2,509	39,221	46,381	15.6	4.8	846	1,071	63	50	32.5	4.9
Standard Fluorescent .....	4,065	62,074	69,543	15.3	5.0	893	1,000	62	50	27.5	3.8
Compact Fluorescent .....	206	8,336	16,556	40.4	8.5	503	1,000	78	60	24.5	12.5
High-Intensity Discharge .....	354	17,570	20,068	49.7	14.0	875	1,325	68	53	19.5	8.7
Other .....	78	1,612	1,949	20.6	6.0	827	750	61	50	16.5	15.0

See footnotes at end of table.



**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992 (Continued)**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
RSE Column Factor:	1.0	1.1	1.5	1.1	--	1.3	--	0.5	--	--	
<b>Water-Heating Equipment (more than one may apply)</b>											
Centralized System .....	1,994	31,599	35,671	15.8	5.0	886	990	65	52	29.5	4.8
Self-Heating Tank .....	1,799	24,464	25,936	13.6	4.8	943	970	63	51	28.5	5.4
Heated by Space-Heating Equipment .....	103	3,722	4,871	36.2	7.5	764	963	67	52	35.5	12.4
Other .....	106	4,032	5,658	38.2	8.2	713	1,150	85	69	32.5	11.3
Distributed System .....	1,557	29,502	34,002	18.9	5.9	868	933	65	52	27.5	7.1
Residential-Type Storage Tank .....	1,489	25,809	26,162	17.3	5.8	986	933	64	52	27.5	4.9
Point-of-Use Heaters .....	56	3,367	Q	59.7	9.0	Q	1,043	76	55	15.5	22.0
Other .....	24	1,259	1,793	52.8	23.0	702	1,100	100	79	25.5	15.0
<b>Personal Computers and/or Computer Terminals</b>											
1 to 4 .....	1,269	13,355	10,478	10.5	5.0	1,275	967	65	52	25.5	4.0
5 to 9 .....	336	5,970	6,120	17.7	7.5	975	610	60	49	20.5	5.5
10 to 19 .....	216	6,236	6,317	28.9	15.0	987	667	63	50	25.5	6.8
20 to 49 .....	164	7,439	8,008	45.4	23.8	929	713	60	49	26.5	7.0
50 to 99 .....	59	4,908	5,944	83.4	57.0	826	750	71	55	22.5	8.5
100 to 249 .....	34	4,220	7,588	125.3	80.0	556	530	72	59	23.5	9.8
250 or More .....	19	5,569	16,609	293.7	186.0	335	368	83	66	14.5	14.5
<b>Building Shell Conservation Features (more than one may apply)</b>											
Roof or Ceiling Insulation .....	3,343	50,311	58,933	15.0	4.8	854	1,000	61	50	24.5	4.3
Wall Insulation .....	2,320	33,240	38,937	14.3	4.6	854	938	61	50	20.5	3.8
Storm or Multiple Glazing .....	1,680	29,684	34,365	17.7	5.5	864	1,000	62	50	24.5	4.5
Tinted, Reflective or Shading Glass .....	1,068	25,396	36,671	23.8	6.8	693	840	63	50	22.5	6.9
Exterior or Interior Shading or Awnings .....	1,853	34,071	43,073	18.4	5.4	791	800	63	50	27.5	4.0
Windows that Open .....	2,119	28,937	30,613	13.7	4.6	945	1,100	56	48	33.5	6.4
<b>HVAC Conservation Features (more than one may apply)</b>											
Variable Air-Volume System .....	250	13,970	23,262	56.0	13.5	601	750	69	55	20.5	10.3
Economizer Cycle .....	414	18,313	29,830	44.2	12.0	614	844	72	57	20.5	8.5
HVAC Maintenance .....	2,503	49,173	59,978	19.6	6.0	820	933	65	52	25.5	4.6
<b>Lighting Conservation Features (more than one may apply)</b>											
Specular Reflectors .....	574	15,241	23,021	26.6	8.0	662	950	65	51	25.5	9.5
Natural Lighting Control Sensors .....	74	3,072	3,439	41.5	7.3	893	1,429	93	84	25.5	10.9
Occupancy Sensors .....	59	3,629	6,852	61.4	10.8	530	800	73	50	25.5	10.2
Time Clock .....	339	12,104	19,096	35.7	8.2	634	950	72	56	24.5	12.3
Manual Dimmer Switches .....	413	12,329	20,507	29.8	8.0	601	1,000	69	57	28.5	9.8
Other .....	78	2,596	3,599	33.2	12.0	721	1,000	69	54	23.5	11.5

See footnotes at end of table.

**Table A1. Summary Table of Square Feet, Hours of Operation and Age of Building, 1992 (Continued)**

Building Characteristics	All Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)	Mean Square Feet per Worker	Median Square Feet per Worker	Mean Hours per Week	Median Hours per Week	Median Age of Buildings (years)	RSE Row Factor
RSE Column Factor:	1.0	1.1	1.5	1.1	--	1.3	--	0.5	--	--	
<b>Off-Hour Equipment Reduction (more than one may apply)</b>											
Heating .....	3,400	46,248	54,309	13.6	4.8	852	1,000	51	49	28.5	4.0
Cooling .....	2,872	42,768	51,968	14.9	5.0	823	929	53	49	28.5	4.2
Hot Water .....	578	9,966	11,822	17.2	5.6	843	1,000	51	48	30.5	5.3
Lighting .....	4,089	54,944	61,385	13.4	4.7	895	1,000	51	49	28.5	3.7
Other .....	547	7,996	9,843	14.6	4.8	812	833	58	50	23.5	7.9
<b>Energy Management Practices (more than one may apply)</b>											
Energy Management and Control System .....	236	14,320	20,784	60.7	18.5	689	848	68	52	21.5	7.1
Demand-Side Management Participation .....	315	11,310	19,265	35.9	9.0	587	1,000	70	55	26.5	9.6
Energy Audit .....	521	14,779	18,789	28.3	7.2	787	875	69	54	28.5	5.5
Building Energy Manager .....	49	2,311	3,547	46.8	8.1	651	983	69	50	28.5	15.8

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

-- = Data not applicable.

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

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, "Building Questionnaire," 1992 Commercial Buildings Energy Consumption Survey.