

Table A17. Employment Size Category, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Buildings by Number of Workers							RSE Row Factor
		Less 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	0.8	0.9	1.1	1.0	1.2	1.3	1.4	
All Buildings	4,806	2,718	895	561	405	130	64	31	5.9
Building Floorspace (square feet)									
1,001 to 5,000	2,681	1,968	514	160	34	Q	Q	Q	10.1
5,001 to 10,000	975	460	218	195	94	Q	Q	Q	8.5
10,001 to 25,000	647	204	115	144	153	25	Q	Q	9.3
25,001 to 50,000	280	60	37	43	84	41	13	Q	13.8
50,001 to 100,000	116	12	8	10	28	32	18	7	15.7
100,001 to 200,000	71	8	3	7	10	16	18	9	21.0
200,001 to 500,000	26	3	Q	Q	2	3	7	9	19.3
Over 500,000	9	Q	Q	Q	Q	Q	1	4	26.0
Principal Building Activity									
Education	301	88	51	58	68	25	11	Q	13.6
Food Sales	130	91	Q	Q	Q	Q	Q	Q	21.0
Food Service	260	98	85	54	20	Q	Q	Q	17.4
Health Care	63	Q	Q	Q	11	Q	2	3	23.3
Lodging	154	98	18	12	18	5	Q	Q	22.5
Mercantile and Service	1,272	765	272	124	75	23	9	3	11.2
Office	749	199	203	138	122	39	26	21	10.2
Parking Garage	24	17	Q	Q	Q	Q	Q	Q	38.8
Public Assembly	278	180	46	29	11	9	Q	Q	17.8
Public Order and Safety	60	28	Q	Q	Q	Q	Q	Q	30.7
Religious Worship	366	254	46	39	20	Q	Q	Q	18.2
Warehouse and Storage	761	563	91	58	33	10	4	1	15.6
Other	69	42	Q	Q	7	Q	Q	(*)	30.1
Vacant	319	280	13	21	Q	Q	Q	Q	20.6
Year Constructed									
1899 or Before	169	93	41	14	14	Q	Q	Q	23.8
1900 to 1919	255	157	39	36	13	Q	3	Q	21.1
1920 to 1945	724	476	122	63	46	10	4	3	15.0
1946 to 1959	880	501	176	94	80	20	7	2	13.6
1960 to 1969	783	431	131	101	78	23	11	8	12.2
1970 to 1979	982	514	208	130	80	28	16	6	11.0
1980 to 1989	884	469	162	109	84	32	20	8	11.0
1990 to 1992	128	77	16	15	10	5	3	2	25.8
Census Region									
Northeast	771	404	148	95	77	29	10	7	12.2
Midwest	1,202	721	218	122	87	31	17	6	11.6
South	1,963	1,180	341	222	147	43	20	9	10.0
West	870	412	189	122	94	27	17	9	14.3
Energy Sources (more than one may apply)									
Electricity	4,616	2,530	895	560	405	130	64	31	5.8
Natural Gas	2,665	1,266	560	383	300	87	48	22	7.1
Fuel Oil	559	304	94	67	43	21	15	14	14.8
District Heat	95	22	14	22	17	10	4	7	20.0
District Chilled Water	28	Q	Q	10	5	3	2	3	27.9
Propane	337	215	64	33	16	5	4	Q	22.7
Any Other	163	119	Q	Q	Q	Q	Q	Q	18.6
Energy End Uses (more than one may apply)									
Heated Buildings	4,178	2,154	861	540	401	128	64	30	5.9
Air-Conditioned Buildings	3,502	1,623	781	502	384	118	63	31	6.0
Buildings with Water Heating	3,502	1,609	777	512	384	126	62	31	6.0
Buildings with Cooking	734	260	155	126	105	43	26	18	9.9
Buildings with Manufacturing	121	42	20	23	27	6	3	1	23.2

See footnotes at end of table.

Table A17. Employment Size Category, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	Buildings by Number of Workers								RSE Row Factor
	All Buildings	Less 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	0.8	0.9	1.1	1.0	1.2	1.3	1.4	
Floors									
One	3,007	1,922	555	290	175	47	14	3	10.0
Two	1,154	553	230	181	128	40	18	4	9.9
Three	446	193	79	57	74	25	12	5	13.6
Four to Nine	186	49	31	33	26	17	18	11	17.9
Ten or More	13	Q	Q	Q	Q	Q	2	8	20.4
Percent Window Glass									
25 or Less	4,193	2,510	774	451	314	91	39	14	6.8
26 to 50	490	168	105	95	68	28	17	9	11.2
51 to 75	94	29	14	11	21	8	5	5	23.8
76 to 100	29	Q	Q	Q	Q	Q	3	3	26.9
Weekly Operating Hours									
39 or Fewer	1,039	843	89	65	27	12	Q	Q	15.1
40 to 48	1,278	616	282	185	135	41	13	6	10.8
49 to 60	1,004	517	225	124	87	27	15	8	10.7
61 to 84	645	281	167	88	67	21	14	7	11.2
85 to 167	478	242	87	70	48	18	11	3	15.0
Open Continuously	362	218	44	31	41	11	10	7	14.0
Percent Vacant for at Least Three Months									
1-50 Percent	362	120	64	65	60	23	16	13	12.5
51-99 Percent	97	68	10	Q	5	3	Q	Q	25.0
100 Percent	398	335	31	21	7	Q	Q	Q	21.3
None	3,948	2,195	791	468	332	101	44	17	6.7
Ownership and Occupancy									
Nongovernment Owned	4,206	2,465	792	469	312	98	46	25	6.3
Owner Occupied	3,192	1,856	628	356	232	70	33	18	7.3
Nonowner Occupied	817	419	162	110	79	27	13	7	11.2
Unoccupied	197	191	Q	Q	Q	Q	Q	Q	15.8
Government Owned	599	253	103	93	92	32	18	7	11.7
Percent of Floorspace Heated									
Not Heated	653	586	36	23	Q	Q	Q	Q	17.4
1 to 50	688	442	127	69	35	9	4	1	14.6
51 to 99	618	265	154	100	63	18	10	8	13.0
100	2,846	1,424	578	370	303	101	49	22	6.5
Percent of Floorspace Cooled									
Not Cooled	1,304	1,096	115	60	20	12	Q	Q	15.0
1 to 50	1,176	582	268	162	113	37	12	1	10.7
51 to 99	658	251	143	114	92	26	18	14	11.0
100	1,668	790	369	226	179	55	33	15	8.5
Percent Lit when Open									
Not Lit	413	407	Q	Q	Q	Q	Q	Q	15.0
1 to 50	881	665	136	49	20	7	Q	Q	13.8
51 to 99	813	352	180	128	103	27	14	8	10.7
100	2,699	1,294	577	381	281	96	47	24	6.8
Heating Equipment (more than one may apply)									
Heat Pumps	449	199	96	59	61	17	10	6	14.9
Furnaces	1,692	912	407	210	120	30	10	3	10.6
Individual Space Heaters	1,464	846	281	158	113	41	17	9	10.0
District Heat	93	22	14	21	16	10	4	7	20.3
Boilers	624	211	119	95	111	43	29	15	10.1
Packaged Heating Units	870	305	188	169	133	46	21	8	10.9
Other	42	Q	Q	Q	Q	Q	Q	1	37.4

See footnotes at end of table.

Table A17. Employment Size Category, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	Buildings by Number of Workers								RSE Row Factor	
	All Buildings	Less 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	0.8	0.9	1.1	1.0	1.2	1.3	1.4		
Cooling Equipment (more than one may apply)										
Residential-Type Central Air										
Conditioners	816	380	208	130	75	14	8	2	14.6	
Heat Pumps	454	202	92	61	65	16	11	6	14.7	
Individual Air Conditioners	1,023	574	194	121	85	32	12	5	11.1	
District Chilled Water	28	Q	Q	10	5	3	2	3	27.9	
Central Chillers	142	24	9	15	33	24	19	18	17.1	
Packaged Air-Conditioning										
Units	1,459	512	351	263	205	77	34	16	8.4	
Swamp Coolers	179	83	52	22	12	Q	Q	Q	31.3	
Other	8	Q	Q	Q	Q	Q	Q	Q	82.0	
Lighting Equipment Types (more than one may apply)										
Incandescent	2,509	1,323	491	339	217	78	40	21	7.2	
Standard Fluorescent	4,065	2,066	848	530	400	126	64	31	5.7	
Compact Fluorescent	206	79	34	25	28	16	15	10	14.7	
High-Intensity Discharge	354	122	62	55	52	34	19	9	11.0	
Other	78	31	15	Q	Q	Q	Q	2	29.4	
Personal Computers and/or Computer Terminals										
1 to 4	1,269	565	388	196	101	18	Q	Q	8.9	
5 to 9	336	16	114	109	77	14	5	Q	15.9	
10 to 19	216	11	23	68	92	16	5	Q	16.6	
20 to 49	164	Q	Q	22	80	35	15	2	15.6	
50 to 99	59	Q	Q	Q	13	24	17	4	17.3	
100 to 249	34	Q	Q	Q	Q	7	14	9	17.3	
250 or More	19	Q	Q	Q	Q	Q	4	14	20.4	
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	574	215	111	106	83	29	17	13	11.5	
Natural Lighting Control										
Sensors	74	34	12	Q	5	7	3	2	23.2	
Occupancy Sensors	59	Q	Q	Q	8	6	8	5	22.4	
Time Clock	339	111	63	65	50	24	15	11	13.2	
Manual Dimmer Switches	413	166	81	62	54	23	15	12	12.4	
Other	78	26	Q	Q	14	8	4	3	23.8	
Off-Hour Equipment Reduction (more than one may apply)										
Heating	3,400	1,733	734	448	318	99	47	21	6.6	
Cooling	2,872	1,336	659	413	305	92	46	22	6.5	
Hot Water	578	268	110	90	63	30	11	6	12.3	
Lighting	4,089	2,170	841	521	362	117	54	25	6.1	
Other	547	236	139	91	49	19	8	5	15.8	
Demand-Side Management Programs (more than one may apply)										
Building Shell Program	36	Q	Q	Q	Q	Q	Q	1	32.5	
HVAC Program	154	51	25	25	22	13	10	7	16.8	
Lighting Program	228	74	50	26	38	20	13	7	15.4	
Other DSM Programs	110	28	26	14	13	13	8	7	20.2	

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

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

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

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

Table A18. Employment Size Category, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Less 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	1.0	1.0	1.1	0.9	1.2	1.4	1.2	
All Buildings	67,876	17,944	7,524	8,077	10,556	7,763	7,378	8,633	7.4
Building Floorspace (square feet)									
1,001 to 5,000	7,327	5,095	1,554	537	120	Q	Q	Q	10.5
5,001 to 10,000	7,199	3,329	1,612	1,446	757	Q	Q	Q	8.2
10,001 to 25,000	10,375	3,053	1,801	2,323	2,608	450	Q	Q	9.2
25,001 to 50,000	10,069	2,107	1,348	1,538	3,049	1,445	517	Q	14.0
50,001 to 100,000	8,062	910	595	643	1,899	2,151	1,303	561	15.5
100,001 to 200,000	9,678	1,044	444	922	1,367	2,122	2,550	1,229	20.9
200,001 to 500,000	7,889	1,020	Q	Q	628	850	2,139	2,812	19.8
Over 500,000	7,278	Q	Q	Q	Q	Q	744	3,951	25.8
Principal Building Activity									
Education	8,470	481	448	738	2,533	2,213	1,874	Q	15.2
Food Sales	757	310	Q	Q	Q	Q	Q	Q	23.8
Food Service	1,491	338	438	414	252	Q	Q	Q	20.6
Health Care	1,763	Q	Q	Q	162	Q	294	1,040	22.7
Lodging	2,891	764	332	220	646	449	Q	Q	23.2
Mercantile and Service	12,402	3,000	1,927	1,550	1,750	1,246	1,188	1,740	14.7
Office	12,319	861	994	1,048	1,952	1,326	1,603	4,535	12.2
Parking Garage	1,652	874	Q	Q	Q	Q	Q	Q	38.0
Public Assembly	4,556	2,194	495	712	335	334	Q	Q	30.0
Public Order and Safety	820	151	Q	Q	Q	Q	Q	Q	30.9
Religious Worship	3,747	1,989	649	540	428	Q	Q	Q	22.1
Warehouse and Storage	11,484	3,846	1,446	1,813	1,825	1,135	1,051	368	19.2
Other	1,130	160	Q	Q	165	Q	Q	162	27.8
Vacant	4,396	2,938	230	367	Q	Q	Q	Q	21.4
Year Constructed									
1899 or Before	1,721	692	444	167	151	Q	Q	Q	25.2
1900 to 1919	3,608	993	453	612	355	Q	476	Q	25.0
1920 to 1945	8,712	3,053	1,211	933	1,105	1,023	484	904	19.3
1946 to 1959	10,421	2,922	1,236	1,611	2,204	1,222	719	507	15.9
1960 to 1969	12,612	2,807	1,227	1,211	1,685	1,685	1,369	2,133	15.3
1970 to 1979	14,014	3,165	1,577	1,812	2,088	1,424	1,895	2,053	12.5
1980 to 1989	14,287	3,795	1,226	1,531	2,075	1,464	2,069	2,127	14.3
1990 to 1992	2,502	516	152	201	399	301	349	585	23.2
Census Region									
Northeast	13,400	2,708	1,328	1,367	2,014	1,899	1,378	2,707	14.9
Midwest	17,280	4,747	1,867	1,871	2,521	2,002	2,467	1,805	12.2
South	24,577	7,676	3,013	3,266	3,818	2,286	1,984	2,535	12.6
West	12,619	2,813	1,316	1,573	2,204	1,577	1,549	1,586	13.6
Energy Sources (more than one may apply)									
Electricity	66,549	16,640	7,524	8,054	10,556	7,763	7,378	8,633	7.5
Natural Gas	45,097	8,079	4,494	5,484	8,357	5,982	6,076	6,625	8.1
Fuel Oil	13,218	1,793	786	884	1,094	1,487	2,314	4,860	13.6
District Heat	5,339	410	321	494	518	806	674	2,115	22.2
District Chilled Water	2,066	Q	Q	193	191	327	192	868	28.9
Propane	3,393	929	510	402	445	384	484	Q	21.6
Any Other	1,551	514	Q	Q	Q	Q	Q	Q	22.2
Energy End Uses (more than one may apply)									
Heated Buildings	61,996	13,604	7,075	7,528	10,440	7,652	7,323	8,374	7.5
Air-Conditioned Buildings	57,041	10,719	6,249	6,954	9,990	7,313	7,195	8,621	7.7
Buildings with Water Heating	58,479	11,207	6,432	7,089	10,215	7,644	7,278	8,613	7.8
Buildings with Cooking	23,065	2,678	1,326	1,719	3,419	3,424	3,998	6,502	13.7
Buildings with Manufacturing	3,174	334	256	384	916	395	561	328	25.1

See footnotes at end of table.

Table A18. Employment Size Category, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Less 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	1.0	1.0	1.1	0.9	1.2	1.4	1.2	
Floors									
One	25,424	10,122	3,676	3,239	4,273	2,394	1,165	556	12.0
Two	18,025	4,222	2,148	2,577	3,025	2,492	2,318	1,242	12.2
Three	9,877	1,728	909	993	2,173	1,525	1,486	1,064	14.7
Four to Nine	10,377	1,514	790	1,254	956	1,241	2,070	2,553	18.8
Ten or More	4,173	Q	Q	Q	Q	Q	338	3,219	21.7
Percent Window Glass									
25 or Less	51,356	15,935	6,430	6,760	8,155	5,497	4,677	3,903	8.7
26 to 50	11,815	1,662	893	1,118	1,907	1,628	2,059	2,549	13.3
51 to 75	3,206	189	199	142	427	502	424	1,323	23.5
76 to 100	1,499	Q	Q	Q	Q	Q	218	859	28.4
Weekly Operating Hours									
39 or Fewer	8,246	5,524	636	637	663	598	Q	Q	17.7
40 to 48	14,998	3,347	2,032	2,496	3,148	1,859	1,112	1,004	12.4
49 to 60	14,046	3,047	2,284	1,947	2,033	1,386	1,615	1,733	12.3
61 to 84	12,062	1,743	1,266	1,120	1,956	1,786	1,695	2,495	14.1
85 to 167	8,467	1,470	677	1,061	1,365	1,161	1,362	1,369	17.4
Open Continuously	10,057	2,812	629	816	1,391	973	1,428	2,009	21.6
Percent Vacant for at Least Three Months									
1-50 Percent	12,420	1,041	634	1,213	1,435	1,296	2,150	4,651	14.9
51-99 Percent	2,263	521	239	Q	376	Q	Q	256	30.4
100 Percent	4,109	3,052	280	228	196	Q	Q	59	23.3
None	49,085	13,331	6,372	6,502	8,550	5,981	4,682	3,667	8.3
Ownership and Occupancy									
Nongovernment Owned	52,752	15,976	6,524	6,412	7,501	5,132	4,593	6,614	8.4
Owner Occupied	38,403	10,973	5,015	4,933	5,586	3,584	3,110	5,202	8.3
Nonowner Occupied	12,273	3,044	1,486	1,437	1,880	1,549	1,472	1,405	16.1
Unoccupied	2,077	1,959	Q	Q	Q	Q	Q	Q	16.9
Government Owned	15,124	1,968	1,000	1,665	3,056	2,631	2,785	2,019	15.1
Percent of Floorspace Heated									
Not Heated	6,211	4,578	455	Q	Q	Q	Q	Q	22.5
1 to 50	11,195	3,678	1,659	1,992	1,350	1,123	486	907	19.4
51 to 99	10,211	1,318	1,265	1,247	1,801	1,200	1,425	1,956	13.9
100	40,260	8,371	4,146	4,286	7,206	5,329	5,412	5,511	8.0
Percent of Floorspace Cooled									
Not Cooled	10,835	7,225	1,276	1,123	566	450	Q	Q	19.3
1 to 50	21,715	4,650	3,132	3,447	4,190	3,265	2,228	804	13.4
51 to 99	13,872	1,249	1,056	1,287	2,391	1,497	2,007	4,386	12.3
100	21,454	4,820	2,061	2,221	3,410	2,551	2,960	3,430	10.8
Percent Lit when Open									
Not Lit	3,280	3,185	Q	Q	Q	Q	Q	Q	15.0
1 to 50	9,980	4,775	1,914	1,433	806	578	Q	Q	17.9
51 to 99	14,224	2,779	1,518	1,604	2,723	1,496	2,007	2,097	15.2
100	40,393	7,205	4,086	4,986	6,994	5,689	5,072	6,361	8.2
Heating Equipment (more than one may apply)									
Heat Pumps	8,269	1,219	812	938	1,408	1,161	1,327	1,404	15.9
Furnaces	16,909	4,981	2,917	2,488	2,590	2,133	800	1,001	13.2
Individual Space Heaters	22,380	5,455	2,569	2,655	3,314	2,638	2,610	3,138	11.6
District Heat	5,225	396	314	487	500	785	674	2,070	22.6
Boilers	20,664	2,755	1,516	1,831	3,784	2,882	3,911	3,984	13.2
Packaged Heating Units	16,000	1,694	1,372	1,992	3,380	2,406	2,689	2,466	12.4
Other	903	Q	Q	Q	Q	Q	Q	186	32.4

See footnotes at end of table.

Table A18. Employment Size Category, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Number of Workers							RSE Row Factor
		Less 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	1.0	1.0	1.1	0.9	1.2	1.4	1.2	
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	9,021	2,114	1,399	1,546	1,596	861	594	910	14.0
Heat Pumps	8,406	1,272	818	898	1,454	1,140	1,405	1,420	15.1
Individual Air Conditioners	17,979	4,095	2,143	2,301	2,807	2,678	1,950	2,004	15.5
District Chilled Water	2,066	Q	Q	193	191	327	192	868	28.9
Central Chillers	12,991	Q	182	355	1,320	1,730	2,688	5,397	15.4
Packaged Air-Conditioning Units	27,830	3,619	2,612	3,389	5,525	4,500	3,770	4,414	8.9
Swamp Coolers	2,085	368	239	296	374	Q	Q	Q	32.5
Other	268	Q	Q	Q	Q	Q	Q	Q	72.3
Lighting Equipment Types (more than one may apply)									
Incandescent	39,221	8,540	4,231	4,618	5,703	4,648	4,910	6,571	8.1
Standard Fluorescent	62,074	13,520	7,100	7,490	10,414	7,646	7,334	8,570	7.4
Compact Fluorescent	8,336	714	381	376	886	1,089	1,405	3,485	18.0
High-Intensity Discharge	17,570	1,777	1,174	1,624	2,685	2,920	3,280	4,111	14.1
Other	1,612	270	251	Q	Q	Q	Q	512	35.3
Personal Computers and/or Computer Terminals									
1 to 4	13,355	3,868	3,496	2,789	2,192	858	Q	Q	11.4
5 to 9	5,970	175	735	1,550	2,075	876	379	Q	16.2
10 to 19	6,236	225	298	935	2,622	914	704	Q	20.0
20 to 49	7,439	Q	Q	360	2,293	2,203	1,750	555	17.1
50 to 99	4,908	Q	Q	Q	483	1,563	2,194	621	18.1
100 to 249	4,220	Q	Q	Q	Q	561	1,628	1,818	16.7
250 or More	5,569	Q	Q	Q	Q	Q	424	4,876	21.0
Lighting Conservation Features (more than one may apply)									
Specular Reflectors	15,241	1,661	1,289	1,924	2,519	1,673	2,030	4,145	13.0
Natural Lighting Control Sensors	3,072	444	137	Q	307	335	637	1,039	22.1
Occupancy Sensors	3,629	Q	Q	Q	347	382	1,064	1,587	21.0
Time Clock	12,104	Q	679	1,015	1,277	1,238	1,771	4,134	15.4
Manual Dimmer Switches	12,329	1,530	842	923	1,190	1,377	2,313	4,155	14.4
Other	2,596	217	Q	Q	456	455	467	728	20.7
Off-Hour Equipment Reduction (more than one may apply)									
Heating	46,248	9,628	5,842	5,649	8,030	6,026	5,194	5,878	7.5
Cooling	42,768	7,658	5,193	5,169	7,747	5,799	5,108	6,095	7.8
Hot Water	9,966	1,602	904	1,216	1,724	1,366	1,363	1,791	13.3
Lighting	54,944	12,716	6,833	7,168	9,110	6,733	5,861	6,523	7.3
Other	7,996	1,151	1,055	1,067	1,235	1,234	1,054	1,199	17.2
Demand-Side Management Programs (more than one may apply)									
Building Shell Program	1,079	Q	Q	Q	Q	Q	Q	348	28.9
HVAC Program	6,370	490	352	308	672	1,038	1,404	2,106	18.0
Lighting Program	8,805	845	432	283	1,276	1,408	1,794	2,768	16.9
Other DSM Programs	6,176	355	295	181	548	967	1,230	2,600	23.5

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

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

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

Table A19. Weekly Operating Hours, Number of Buildings, 1992

(Thousand)

Building Characteristics	All Buildings	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:	0.6	1.2	0.9	1.0	1.0	1.2	1.3	
All Buildings	4,806	1,039	1,278	1,004	645	478	362	5.4
Building Floorspace (square feet)								
1,001 to 5,000	2,681	688	687	519	324	281	182	7.9
5,001 to 10,000	975	188	293	216	146	69	62	9.0
10,001 to 25,000	647	107	183	156	87	64	50	9.8
25,001 to 50,000	280	37	70	71	41	31	31	12.2
50,001 to 100,000	116	14	25	20	24	17	15	15.0
100,001 to 200,000	71	Q	16	17	16	10	9	17.2
200,001 to 500,000	26	2	4	4	4	5	8	19.9
Over 500,000	9	Q	(*)	1	2	1	Q	28.3
Principal Building Activity								
Education	301	63	127	53	45	11	Q	14.7
Food Sales	130	Q	Q	Q	28	69	23	20.3
Food Service	260	Q	20	Q	62	137	Q	15.7
Health Care	63	Q	24	18	Q	Q	11	24.7
Lodging	154	Q	Q	Q	Q	Q	137	12.7
Mercantile and Service	1,272	66	317	448	287	117	37	10.3
Office	749	46	414	175	63	30	20	12.6
Parking Garage	24	Q	Q	Q	Q	Q	6	32.7
Public Assembly	278	113	40	35	43	41	Q	14.4
Public Order and Safety	60	Q	Q	Q	Q	Q	39	22.0
Religious Worship	366	284	22	26	22	Q	Q	17.6
Warehouse and Storage	761	193	243	181	64	33	47	12.9
Other	69	Q	13	10	Q	Q	17	28.4
Vacant	319	227	42	23	11	Q	Q	19.5
Year Constructed								
1899 or Before	169	57	43	22	17	22	Q	21.3
1900 to 1919	255	75	71	52	23	21	13	18.4
1920 to 1945	724	185	208	137	100	61	34	12.7
1946 to 1959	880	219	245	192	82	88	53	10.1
1960 to 1969	783	150	188	171	106	86	82	10.6
1970 to 1979	982	196	244	211	154	99	77	9.8
1980 to 1989	884	132	249	183	145	91	83	10.5
1990 to 1992	128	24	30	34	18	10	12	25.8
Census Region								
Northeast	771	123	191	184	129	83	61	12.6
Midwest	1,202	314	294	231	170	127	65	10.6
South	1,963	486	541	395	220	167	154	8.9
West	870	116	252	193	127	101	82	14.4
Energy Sources (more than one may apply)								
Electricity	4,616	889	1,270	992	641	475	349	5.3
Natural Gas	2,665	407	753	599	404	299	202	6.8
Fuel Oil	559	119	146	131	77	41	44	14.6
District Heat	95	11	34	16	9	7	19	21.4
District Chilled Water	28	Q	8	4	4	Q	5	32.6
Propane	337	94	59	69	44	46	26	18.9
Any Other	163	31	54	35	Q	Q	18	20.5
Energy End Uses (more than one may apply)								
Heated Buildings	4,178	725	1,186	920	603	436	307	5.5
Air-Conditioned Buildings	3,502	513	1,007	786	528	405	262	5.9
Buildings with Water Heating	3,502	507	979	764	518	435	300	5.7
Buildings with Cooking	734	116	89	83	149	218	78	10.3
Buildings with Manufacturing	121	Q	46	34	19	7	6	23.6

See footnotes at end of table.

Table A19. Weekly Operating Hours, Number of Buildings, 1992 (Continued)

(Thousand)

Building Characteristics	All Buildings	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:	0.6	1.2	0.9	1.0	1.0	1.2	1.3	
Workers (main shift)								
Less than 5	2,718	843	616	517	281	242	218	7.7
5 to 9	895	89	282	225	167	87	44	9.8
10 to 19	561	65	185	124	88	70	31	11.8
20 to 49	405	27	135	87	67	48	41	12.0
50 to 99	130	12	41	27	21	18	11	16.0
100 to 249	64	Q	13	15	14	11	10	15.7
250 or More	31	Q	6	8	7	3	7	19.1
Ownership and Occupancy								
Nongovernment Owned	4,206	917	1,036	934	577	450	292	5.7
Owner Occupied	3,192	646	787	723	437	354	245	6.4
Nonowner Occupied	817	99	241	201	138	96	43	10.7
Unoccupied	197	173	Q	Q	Q	Q	Q	12.9
Government Owned	599	122	242	69	68	28	70	12.0
Percent of Floorspace Heated								
Not Heated	653	323	100	87	43	43	56	14.9
1 to 50	688	109	215	182	89	60	33	11.8
51 to 99	618	78	164	152	105	81	38	11.6
100	2,846	528	799	583	407	294	235	6.3
Percent of Floorspace Cooled								
Not Cooled	1,304	526	271	217	116	73	100	10.4
1 to 50	1,176	127	341	346	197	106	59	8.7
51 to 99	658	80	184	133	102	99	60	10.7
100	1,668	306	482	307	230	200	142	8.3
Percent Lit when Open								
Not Lit	413	332	Q	29	Q	Q	18	17.5
1 to 50	881	172	261	192	108	91	58	10.1
51 to 99	813	126	245	187	124	79	51	9.1
100	2,699	408	759	595	402	301	234	6.9
Heating Equipment (more than one may apply)								
Heat Pumps	449	52	150	101	54	49	44	15.0
Furnaces	1,692	333	474	402	226	173	84	8.4
Individual Space Heaters	1,464	257	401	357	201	117	130	8.6
District Heat	93	9	34	16	9	7	19	21.7
Boilers	624	96	165	133	103	60	67	9.2
Packaged Heating Units	870	104	240	170	158	140	58	10.4
Other	42	Q	Q	Q	Q	Q	Q	39.8
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	816	139	268	189	104	73	43	12.3
Heat Pumps	454	50	151	103	57	49	44	15.0
Individual Air Conditioners	1,023	156	286	241	151	82	108	9.4
District Chilled Water	28	Q	8	4	4	Q	5	32.6
Central Chillers	142	13	42	20	30	15	21	16.1
Packaged Air-Conditioning Units	1,459	188	381	313	259	216	101	8.3
Swamp Coolers	179	Q	55	43	15	37	8	28.1
Other	8	Q	Q	Q	Q	Q	Q	76.9
Lighting Equipment Types (more than one may apply)								
Incandescent	2,509	496	633	489	334	322	234	6.7
Standard Fluorescent	4,065	618	1,182	942	597	437	290	5.2
Compact Fluorescent	206	13	45	46	44	29	30	17.4
High-Intensity Discharge	354	30	109	88	50	43	33	12.3
Other	78	Q	26	22	11	11	Q	27.5

See footnotes at end of table.

Table A19. Weekly Operating Hours, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	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:	0.6	1.2	0.9	1.0	1.0	1.2	1.3	
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	574	62	180	138	84	56	54	12.3
Natural Lighting Control								
Sensors	74	Q	18	7	9	17	19	25.9
Occupancy Sensors	59	Q	20	11	10	9	6	25.7
Time Clock	339	35	76	77	59	53	38	14.8
Manual Dimmer Switches	413	76	82	69	66	75	44	12.4
Other	78	Q	24	17	13	12	7	26.0
Off-Hour Equipment Reduction (more than one may apply)								
Heating	3,400	656	1,044	824	535	340	Q	5.7
Cooling	2,872	485	884	700	471	333	Q	6.1
Hot Water	578	144	152	113	89	80	Q	10.7
Lighting	4,089	809	1,247	968	621	444	Q	5.3
Other	547	57	160	157	99	74	Q	13.3
Demand-Side Management Programs (more than one may apply)								
Building Shell Program	36	Q	17	Q	6	Q	6	34.2
HVAC Program	154	19	46	26	25	24	14	18.6
Lighting Program	228	18	70	41	38	37	23	17.2
Other DSM Programs	110	7	29	13	19	27	15	23.7

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

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

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

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

Table A20. Weekly Operating Hours, Floorspace, 1992
(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	1.2	0.9	0.9	1.1	1.3	1.3	
All Buildings	67,876	8,246	14,998	14,046	12,062	8,467	10,057	6.8
Building Floorspace (square feet)								
1,001 to 5,000	7,327	1,797	1,904	1,430	926	772	498	8.1
5,001 to 10,000	7,199	1,341	2,186	1,610	1,098	492	472	9.1
10,001 to 25,000	10,375	1,592	2,994	2,549	1,408	1,022	810	9.8
25,001 to 50,000	10,069	1,309	2,553	2,536	1,443	1,151	1,077	12.4
50,001 to 100,000	8,062	1,007	1,698	1,440	1,769	1,132	1,015	14.6
100,001 to 200,000	9,678	Q	2,254	2,278	2,152	1,390	1,371	17.4
200,001 to 500,000	7,889	418	1,178	1,188	1,238	1,480	2,387	19.9
Over 500,000	7,278	Q	230	1,016	2,028	1,027	2,427	29.0
Principal Building Activity								
Education	8,470	1,221	2,761	1,447	1,607	1,333	Q	14.3
Food Sales	757	Q	Q	Q	149	372	200	21.7
Food Service	1,491	Q	81	Q	334	862	Q	19.0
Health Care	1,763	Q	151	151	Q	Q	1,284	22.8
Lodging	2,891	Q	Q	Q	Q	Q	2,730	15.6
Mercantile and Service	12,402	348	1,657	3,299	4,667	2,038	392	15.0
Office	12,319	220	4,635	4,037	2,048	752	626	14.4
Parking Garage	1,652	Q	Q	Q	Q	Q	1,268	35.8
Public Assembly	4,556	817	353	363	871	978	Q	21.6
Public Order and Safety	820	Q	Q	Q	Q	Q	619	29.6
Religious Worship	3,747	1,806	349	647	406	Q	Q	21.1
Warehouse and Storage	11,484	878	3,964	3,273	1,305	1,098	967	15.1
Other	1,130	Q	279	290	Q	Q	261	27.0
Vacant	4,396	2,756	601	267	372	Q	Q	24.7
Year Constructed								
1899 or Before	1,721	385	484	363	147	272	Q	23.4
1900 to 1919	3,608	927	883	803	356	402	237	26.6
1920 to 1945	8,712	1,564	2,045	2,013	1,393	780	918	16.7
1946 to 1959	10,421	1,570	2,877	2,640	1,072	1,117	1,146	12.8
1960 to 1969	12,612	1,320	2,617	2,371	2,692	1,910	1,701	15.5
1970 to 1979	14,014	1,455	2,614	2,476	2,778	2,248	2,444	11.4
1980 to 1989	14,287	849	2,923	2,720	3,210	1,465	3,120	14.1
1990 to 1992	2,502	176	554	661	415	273	423	21.3
Census Region								
Northeast	13,400	1,400	2,272	2,622	2,578	2,486	2,042	13.3
Midwest	17,280	2,454	3,446	3,474	3,212	2,217	2,477	11.3
South	24,577	3,278	6,543	5,002	3,795	1,938	4,021	11.3
West	12,619	1,114	2,738	2,948	2,477	1,826	1,517	12.3
Energy Sources (more than one may apply)								
Electricity	66,549	7,083	14,952	14,020	12,028	8,455	10,011	6.8
Natural Gas	45,097	4,032	9,529	9,575	9,141	6,509	6,311	7.8
Fuel Oil	13,218	1,137	2,448	2,473	2,320	1,695	3,145	12.2
District Heat	5,339	375	807	1,059	702	508	1,888	22.8
District Chilled Water	2,066	Q	312	357	178	278	724	29.8
Propane	3,393	522	532	674	533	493	639	19.6
Any Other	1,551	176	323	292	Q	Q	240	27.0
Energy End Uses (more than one may apply)								
Heated Buildings	61,996	6,000	13,745	13,251	11,529	8,141	9,329	7.1
Air-Conditioned Buildings	57,041	4,632	12,558	12,218	11,158	7,742	8,733	7.5
Buildings with Water Heating	58,479	5,005	12,613	12,405	11,308	8,020	9,128	7.3
Buildings with Cooking	23,065	1,828	3,010	3,118	5,195	4,750	5,163	12.5
Buildings with Manufacturing	3,174	Q	891	920	418	403	410	25.2

See footnotes at end of table.

Table A20. Weekly Operating Hours, Floorspace, 1992 (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	1.2	0.9	0.9	1.1	1.3	1.3	
Workers (main shift)								
Less than 5	17,944	5,524	3,347	3,047	1,743	1,470	2,812	13.4
5 to 9	7,524	636	2,032	2,284	1,266	677	629	13.1
10 to 19	8,077	637	2,496	1,947	1,120	1,061	816	15.7
20 to 49	10,556	663	3,148	2,033	1,956	1,365	1,391	12.7
50 to 99	7,763	598	1,859	1,386	1,786	1,161	973	18.4
100 to 249	7,378	Q	1,112	1,615	1,695	1,362	1,428	18.8
250 or More	8,633	Q	1,004	1,733	2,495	1,369	2,009	17.9
Ownership and Occupancy								
Nongovernment Owned	52,752	6,161	11,030	12,019	10,020	6,238	7,284	7.1
Owner Occupied	38,403	3,827	8,209	9,168	7,033	4,707	5,459	7.1
Nonowner Occupied	12,273	535	2,704	2,796	2,950	1,531	Q	12.6
Unoccupied	2,077	1,798	Q	Q	Q	Q	Q	14.9
Government Owned	15,124	2,085	3,968	2,027	2,042	2,229	2,773	14.5
Percent of Floorspace Heated								
Not Heated	6,211	2,369	1,309	845	541	409	737	24.0
1 to 50	11,195	1,083	2,579	2,635	1,654	1,771	1,473	18.3
51 to 99	10,211	467	2,096	2,877	2,227	1,275	1,269	13.4
100	40,260	4,327	9,015	7,690	7,639	5,012	6,577	7.9
Percent of Floorspace Cooled								
Not Cooled	10,835	3,614	2,441	1,828	904	725	1,324	14.4
1 to 50	21,715	2,176	5,216	5,317	3,796	2,860	2,351	11.2
51 to 99	13,872	521	2,726	2,784	3,123	2,379	2,340	13.1
100	21,454	1,935	4,616	4,118	4,238	2,504	4,043	11.0
Percent Lit when Open								
Not Lit	3,280	2,853	Q	129	Q	Q	88	20.7
1 to 50	9,980	1,482	2,803	2,242	1,413	1,267	774	15.3
51 to 99	14,224	1,002	2,993	3,107	3,021	1,760	2,342	14.3
100	40,393	2,910	9,094	8,568	7,562	5,406	6,853	8.4
Heating Equipment (more than one may apply)								
Heat Pumps	8,269	353	1,904	1,852	1,683	900	1,578	16.2
Furnaces	16,909	2,241	3,794	4,053	3,019	2,682	1,121	11.2
Individual Space Heaters	22,380	2,076	4,460	5,593	4,165	2,717	3,368	10.7
District Heat	5,225	332	792	1,051	695	504	1,850	23.3
Boilers	20,664	1,829	4,262	4,104	3,636	2,639	4,194	11.9
Packaged Heating Units	16,000	784	3,548	3,166	3,832	2,932	1,737	12.6
Other	903	Q	Q	Q	Q	Q	Q	34.7
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	9,021	912	2,481	2,250	1,329	1,002	1,046	13.2
Heat Pumps	8,406	374	1,916	1,757	1,810	945	1,604	16.1
Individual Air Conditioners	17,979	1,767	3,649	3,303	2,838	2,054	4,368	15.3
District Chilled Water	2,066	Q	312	357	178	278	724	29.8
Central Chillers	12,991	374	2,013	2,143	3,212	1,358	3,891	18.0
Packaged Air-Conditioning Units	27,830	2,088	5,989	5,784	5,879	4,224	3,866	9.5
Swamp Coolers	2,085	Q	494	582	287	297	309	28.2
Other	268	Q	Q	Q	Q	Q	Q	68.5
Lighting Equipment Types (more than one may apply)								
Incandescent	39,221	3,940	8,138	8,364	7,105	5,692	5,981	7.6
Standard Fluorescent	62,074	5,447	13,833	13,398	11,710	8,266	9,421	7.0
Compact Fluorescent	8,336	290	1,126	1,626	1,795	1,556	1,943	16.5
High-Intensity Discharge	17,570	936	2,914	3,545	3,559	3,148	3,468	12.3
Other	1,612	Q	320	318	367	Q	Q	29.1

See footnotes at end of table.

Table A20. Weekly Operating Hours, Floorspace, 1992 (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	1.2	0.9	0.9	1.1	1.3	1.3	
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	15,241	756	2,951	3,117	3,048	2,637	2,732	12.5
Natural Lighting Control								
Sensors	3,072	Q	391	336	788	532	917	22.2
Occupancy Sensors	3,629	Q	757	701	553	777	804	21.8
Time Clock	12,104	465	1,502	2,314	3,054	2,150	2,620	17.3
Manual Dimmer Switches	12,329	805	1,594	2,398	2,427	2,442	2,664	13.6
Other	2,596	Q	491	574	565	375	499	21.1
Off-Hour Equipment Reduction (more than one may apply)								
Heating	46,248	5,241	11,764	12,021	10,403	6,819	Q	6.7
Cooling	42,768	4,078	10,698	11,114	10,219	6,660	Q	7.1
Hot Water	9,966	1,500	2,409	2,356	2,277	1,425	Q	11.9
Lighting	54,944	6,324	14,685	13,832	11,916	8,187	Q	6.3
Other	7,996	695	1,877	2,284	2,062	1,078	Q	19.1
Demand-Side Management Programs (more than one may apply)								
Building Shell Program	1,079	Q	221	Q	215	Q	312	29.6
HVAC Program	6,370	336	971	1,021	1,645	1,016	1,381	17.1
Lighting Program	8,805	469	1,315	1,598	1,720	2,056	1,647	15.5
Other DSM Programs	6,176	170	740	881	1,134	1,882	1,368	19.1

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

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

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

Table A21. Occupancy of Government-Owned Buildings, Number of Buildings and Floorspace, 1992

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Government-Owned Buildings				All Buildings	Government-Owned Buildings				
		All Government-Owned Buildings	Federal	State	Local		All Government-Owned Buildings	Federal	State	Local	
All Buildings	4,806	599	51	117	431	67,876	15,124	1,189	3,766	10,170	9.2
Building Floorspace (square feet)											
1,001 to 5,000	2,681	258	25	47	186	7,327	689	65	116	508	13.0
5,001 to 10,000	975	114	Q	Q	87	7,199	848	Q	Q	662	13.8
10,001 to 25,000	647	108	7	24	76	10,375	1,735	114	391	1,230	14.3
25,001 to 50,000	280	53	Q	14	36	10,069	1,953	Q	508	1,344	16.5
50,001 to 100,000	116	34	Q	7	25	8,062	2,241	Q	508	1,653	12.1
100,001 to 200,000	71	21	Q	5	13	9,678	2,858	Q	613	1,859	16.7
200,001 to 500,000	26	10	Q	3	6	7,889	2,932	Q	885	1,866	20.7
Over 500,000	9	2	(*)	Q	1	7,278	1,869	189	632	1,047	30.4
Principal Building Activity											
Education	301	201	Q	35	163	8,470	6,961	Q	1,198	5,727	12.3
Food Sales	130	Q	Q	Q	Q	757	Q	Q	Q	Q	34.8
Food Service	260	10	Q	Q	Q	1,491	157	Q	Q	Q	31.8
Health Care	63	13	Q	4	8	1,763	521	Q	158	326	34.7
Lodging	154	15	Q	8	Q	2,891	370	Q	269	Q	28.1
Mercantile and Service	1,272	63	14	Q	35	12,402	1,082	278	Q	Q	21.3
Office	749	69	11	17	41	12,319	1,654	448	528	679	18.5
Parking Garage	24	6	Q	Q	6	1,652	729	Q	Q	Q	56.3
Public Assembly	278	65	Q	12	50	4,556	1,353	Q	461	861	21.3
Public Order and Safety	60	49	Q	Q	40	820	767	Q	Q	537	31.1
Religious Worship	366	Q	Q	Q	Q	3,747	Q	Q	Q	Q	26.3
Warehouse and Storage	761	59	3	Q	47	11,484	599	177	Q	362	20.4
Other	69	16	Q	Q	Q	1,130	242	Q	Q	Q	39.8
Vacant	319	34	Q	Q	22	4,396	683	Q	Q	Q	30.4
Year Constructed											
1899 or Before	169	Q	Q	Q	Q	1,721	Q	Q	Q	Q	29.3
1900 to 1919	255	29	Q	Q	18	3,608	904	Q	Q	548	31.0
1920 to 1945	724	80	9	17	55	8,712	2,059	218	676	1,165	18.8
1946 to 1959	880	129	Q	37	83	10,421	2,365	Q	516	1,713	16.3
1960 to 1969	783	125	Q	21	100	12,612	4,041	Q	816	2,917	16.0
1970 to 1979	982	117	9	16	93	14,014	3,237	163	796	2,279	16.3
1980 to 1989	884	87	9	18	59	14,287	1,681	166	408	1,107	16.5
1990 to 1992	128	26	Q	5	20	2,502	704	Q	206	390	25.1
Census Region											
Northeast	771	88	12	18	58	13,400	3,422	107	747	2,568	16.4
Midwest	1,202	132	6	Q	98	17,280	4,153	268	1,231	2,654	19.0
South	1,963	234	22	34	179	24,577	5,097	547	955	3,595	14.2
West	870	146	11	37	97	12,619	2,452	Q	832	1,354	18.0
Energy Sources (more than one may apply)											
Electricity	4,616	578	43	116	419	66,549	14,948	1,139	3,748	10,060	9.3
Natural Gas	2,665	356	18	74	264	45,097	10,945	671	2,800	7,474	11.3
Fuel Oil	559	75	Q	13	52	13,218	3,798	288	940	2,570	15.3
District Heat	95	51	Q	24	21	5,339	2,446	375	1,153	918	19.9
District Chilled Water	28	18	Q	7	9	2,066	992	Q	449	446	31.6
Propane	337	32	Q	Q	23	3,393	699	Q	Q	624	26.7
Any Other	163	19	Q	Q	12	1,551	469	Q	Q	334	32.4

See footnotes at end of table.

Table A21. Occupancy of Government-Owned Buildings, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Government-Owned Buildings				All Buildings	Government-Owned Buildings				
		All Government-Owned Buildings	Federal	State	Local		All Government-Owned Buildings	Federal	State	Local	
		0.4	0.8	2.1	1.5		0.9	0.4	0.9	2.0	
RSE Column Factor:											
Energy End Uses (more than one may apply)											
Heated Buildings	4,178	537	42	109	386	61,996	14,478	1,134	3,650	9,694	9.4
Air-Conditioned Buildings	3,502	422	31	90	301	57,041	13,128	1,059	3,328	8,742	10.3
Buildings with Water Heating	3,502	449	40	89	320	58,479	13,852	1,093	3,575	9,184	9.6
Buildings with Cooking	734	117	Q	20	94	23,065	8,064	437	1,813	5,814	14.5
Buildings with Manufacturing	121	12	Q	Q	Q	3,174	330	Q	Q	Q	32.1
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD	399	46	Q	8	29	5,623	1,349	Q	524	763	27.9
5,500-7,000 HDD	1,134	133	9	32	91	18,024	4,053	431	981	2,641	19.9
4,000-5,499 HDD	1,077	114	13	20	82	16,162	4,066	336	968	2,762	21.9
Fewer than 4,000 HDD	1,101	162	10	26	127	15,251	3,296	213	909	2,175	24.1
More than 2,000 CDD and --											
Fewer than 4,000 HDD	1,095	144	11	32	102	12,816	2,360	148	384	1,828	19.2
Predominant Exterior Wall Material											
Masonry	3,115	408	32	84	292	48,585	11,929	746	3,203	7,980	9.9
Siding or Shingles	764	90	Q	Q	63	3,873	354	Q	Q	246	19.5
Metal Panels	745	75	Q	12	60	7,392	801	Q	134	616	20.4
Concrete Panels	87	13	Q	3	7	4,961	1,726	Q	314	1,092	29.0
Window Glass	46	9	Q	Q	Q	2,028	292	Q	Q	Q	42.9
Other	47	Q	Q	Q	Q	1,037	Q	Q	Q	Q	50.8
Predominant Roof Material											
Built-Up	1,642	216	14	36	166	30,257	6,329	728	1,155	4,447	12.3
Shingles (Not Wood)	1,381	118	Q	21	82	10,570	1,404	Q	554	747	16.7
Metal Surfacing	1,037	116	Q	26	86	9,019	1,203	Q	257	895	18.2
Synthetic or Rubber	386	88	9	24	55	11,702	4,431	225	1,315	2,891	17.6
Slate or Tile	155	24	Q	6	13	1,998	452	Q	87	322	28.9
Concrete	37	7	Q	2	Q	2,544	906	Q	Q	Q	48.1
Other	167	30	Q	Q	24	1,786	399	Q	Q	278	32.7
Floors											
One	3,007	380	27	68	285	25,424	4,357	429	615	3,313	12.1
Two	1,154	132	11	26	96	18,025	3,697	183	899	2,616	14.9
Three	446	53	Q	12	32	9,877	3,039	Q	711	2,195	15.5
Four to Nine	186	32	5	10	17	10,377	3,309	Q	1,356	1,629	20.4
Ten or More	13	2	(*)	1	Q	4,173	722	121	185	Q	27.3
Percent Window Glass											
25 or Less	4,193	491	41	96	354	51,356	10,497	891	2,870	6,736	10.5
26 to 50	490	83	8	15	60	11,815	3,553	232	725	2,595	15.9
51 to 75	94	19	Q	Q	15	3,206	891	Q	Q	723	23.2
76 to 100	29	7	Q	Q	Q	1,499	184	Q	Q	Q	42.7
Workers (main shift)											
Less than 5	2,718	253	23	47	184	17,944	1,968	195	301	1,472	14.8
5 to 9	895	103	13	19	71	7,524	1,000	102	271	628	16.8
10 to 19	561	93	Q	17	72	8,077	1,665	Q	556	1,045	18.6
20 to 49	405	92	Q	19	68	10,556	3,056	Q	653	2,251	14.8
50 to 99	130	32	Q	9	21	7,763	2,631	Q	768	1,729	15.8
100 to 249	64	18	Q	3	13	7,378	2,785	Q	639	2,002	19.8
250 or More	31	7	Q	2	2	8,633	2,019	398	577	1,044	26.0

See footnotes at end of table.

Table A21. Occupancy of Government-Owned Buildings, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Government-Owned Buildings			All Buildings	Government-Owned Buildings					
		All Government-Owned Buildings	Federal	State		Local	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.4	0.8	2.1	1.5	0.9	0.4	0.9	2.0	1.5	1.0	
Weekly Operating Hours											
39 or Fewer	1,039	122	Q	12	99	8,246	2,085	Q	Q	1,636	17.2
40 to 48	1,278	242	14	48	179	14,998	3,968	324	555	3,089	12.7
49 to 60	1,004	69	10	10	50	14,046	2,027	Q	402	1,296	17.4
61 to 84	645	68	Q	20	43	12,062	2,042	Q	548	1,407	15.4
85 to 167	478	28	Q	8	17	8,467	2,229	Q	729	1,392	22.8
Open Continuously	362	70	Q	19	43	10,057	2,773	253	1,169	1,351	20.5
Additional Operating Hours for Equipment Use											
Heating and/or Cooling	1,223	154	15	24	114	20,300	4,733	408	1,160	3,165	15.9
Lighting	633	58	Q	10	42	12,886	2,970	233	615	2,122	17.9
Heating and/or Cooling and Lighting	371	39	Q	6	28	8,717	2,376	Q	549	1,687	21.6
No Additional Hours	3,320	427	35	90	302	43,407	9,798	688	2,541	6,570	11.1
Percent Vacant for at Least Three Months											
1-50 Percent	362	18	Q	4	12	12,420	1,504	Q	351	966	27.8
51-99 Percent	97	7	Q	Q	Q	2,263	Q	Q	Q	Q	42.3
100 Percent	398	81	Q	10	63	4,109	1,025	Q	177	769	24.3
None	3,948	493	40	100	352	49,085	12,075	912	2,887	8,277	9.8
Number of Establishments											
One	3,886	527	36	109	382	47,997	12,441	778	2,970	8,694	9.9
2 to 5	517	32	Q	5	21	7,882	1,139	Q	485	431	24.0
6 to 10	89	Q	Q	Q	Q	2,562	Q	Q	Q	Q	25.7
11 to 20	49	Q	Q	Q	Q	2,039	Q	Q	Q	Q	38.4
More than 20	36	Q	Q	Q	Q	4,938	Q	Q	Q	Q	39.2
Currently Unoccupied	229	32	Q	Q	Q	2,457	381	Q	Q	Q	33.2
Energy-Related Space Functions (more than one may apply)											
Commercial Food Preparation	735	119	Q	20	95	22,166	8,068	437	1,813	5,819	14.1
Computer Room	223	47	5	13	29	14,199	3,847	450	1,004	2,392	16.8
Rooms with Special Ventilation	236	53	Q	11	36	8,042	3,277	155	796	2,327	16.6
Activities with Large Amounts of Hot Water	203	25	Q	5	20	6,862	1,807	Q	229	1,493	20.3
Multibuilding Facility											
Part of Multibuilding Facility with Central Physical Plant	1,667	386	28	102	256	31,564	9,755	685	3,145	5,925	12.1
with Central Physical Plant	223	111	13	43	55	8,395	4,275	376	1,755	2,143	20.2
No Central Physical Plant	1,444	275	15	60	201	23,170	5,480	308	1,390	3,782	14.1
Not on Multibuilding Facility	3,139	213	23	15	175	36,312	5,369	504	621	4,244	12.2
Percent of Floorspace Heated											
Not Heated	653	66	Q	10	46	6,211	746	Q	198	480	24.8
1 to 50	688	39	Q	5	32	11,195	1,944	Q	Q	1,307	25.8
51 to 99	618	64	6	11	47	10,211	1,896	Q	347	1,285	19.2
100	2,846	430	32	92	306	40,260	10,538	718	2,722	7,099	9.6

See footnotes at end of table.

Table A21. Occupancy of Government-Owned Buildings, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Government-Owned Buildings			All Buildings	Government-Owned Buildings					
		All Government-Owned Buildings	Federal	State		Local	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.4	0.8	2.4	1.5	0.9	0.4	0.8	1.9	1.5	1.0	
Percent of Floorspace Cooled											
Not Cooled	1,304	177	20	27	130	10,835	1,996	130	438	1,428	14.5
1 to 50	1,176	136	11	27	98	21,715	5,301	233	1,270	3,798	16.2
51 to 99	658	78	9	18	51	13,872	3,663	486	882	2,295	17.0
100	1,668	209	11	46	152	21,454	4,164	340	1,175	2,649	13.9
Percent Lit when Open											
Not Lit	413	36	Q	Q	20	3,280	469	Q	Q	345	31.8
1 to 50	881	77	Q	18	55	9,980	1,112	167	Q	489	18.9
51 to 99	813	110	14	23	73	14,224	2,976	248	767	1,961	14.9
100	2,699	377	24	70	283	40,393	10,566	691	2,500	7,375	11.0
Heating Equipment (more than one may apply)											
Heat Pumps	449	51	Q	12	37	8,269	1,158	Q	236	884	22.3
Furnaces	1,692	150	12	29	108	16,909	2,315	197	606	1,513	18.7
Individual Space Heaters	1,464	175	Q	38	131	22,380	4,556	175	1,313	3,068	13.6
District Heat	93	50	Q	23	20	5,225	2,384	360	1,138	886	20.5
Boilers	624	147	14	25	108	20,664	7,356	403	1,665	5,287	12.4
Packaged Heating Units	870	93	5	11	77	16,000	2,574	Q	232	2,170	19.8
Other	42	Q	Q	Q	Q	903	Q	Q	Q	Q	49.5
Heating Distribution Equipment (more than one may apply)											
Radiators or Baseboards	473	116	12	21	82	13,263	5,546	375	1,348	3,822	14.6
Ducts for Heating	2,955	346	28	68	250	45,422	9,887	902	2,388	6,597	10.9
Heating Only	577	90	Q	13	68	5,950	2,194	Q	449	1,698	22.3
Heating and Cooling	2,378	257	19	55	183	39,472	7,693	855	1,940	4,899	11.4
Variable Air-Volume System Used	210	48	5	10	33	11,528	3,388	255	839	2,295	19.3
Fan Coil Units for Heating	99	34	Q	12	19	5,474	2,021	178	712	1,131	19.0
Heating Only	78	23	Q	Q	13	3,569	1,224	Q	301	807	22.8
Heating and Cooling	21	11	Q	5	6	1,906	797	Q	411	324	30.0
Individual Space Heaters	1,464	175	Q	38	131	22,380	4,556	175	1,313	3,068	13.6
Other	181	25	Q	Q	18	3,310	739	Q	Q	557	29.9
Cooling Equipment (more than one may apply)											
Residential-Type Central Air Conditioners	816	76	Q	17	56	9,021	1,593	Q	490	991	18.7
Heat Pumps	454	50	Q	12	36	8,406	1,035	Q	238	741	21.4
Individual Air Conditioners	1,023	134	12	28	94	17,979	5,232	212	1,262	3,758	14.8
District Chilled Water	28	18	Q	7	9	2,066	992	Q	449	446	31.7
Central Chillers	142	52	5	14	33	12,991	4,200	542	1,177	2,481	18.2
Packaged Air-Conditioning Units	1,459	153	11	24	117	27,830	5,375	417	1,365	3,593	13.8
Swamp Coolers	179	25	Q	Q	14	2,085	434	Q	Q	139	44.9
Other	8	Q	Q	Q	Q	268	Q	Q	Q	Q	96.7

See footnotes at end of table.

Table A21. Occupancy of Government-Owned Buildings, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Government-Owned Buildings				All Buildings	Government-Owned Buildings				
		All Government-Owned Buildings	Federal	State	Local		All Government-Owned Buildings	Federal	State	Local	
		0.8	2.4	1.5	0.9		0.8	1.9	1.5	1.0	
RSE Column Factor:	0.4	0.8	2.4	1.5	0.9	0.4	0.8	1.9	1.5	1.0	
Cooling Distribution Equipment (more than one may apply)											
Ducts for Cooling	2,733	313	23	71	220	47,755	10,014	990	2,632	6,392	10.9
Cooling Only	355	56	Q	16	37	8,283	2,321	Q	692	1,493	21.0
Heating and Cooling	2,378	257	19	55	183	39,472	7,693	855	1,940	4,899	11.4
Variable Air-Volume System Used	221	40	6	11	23	12,430	3,133	306	1,187	1,640	17.1
Fan Coil Units for Cooling	56	19	Q	7	12	3,875	1,449	Q	582	788	24.3
Cooling Only	35	8	Q	Q	6	1,969	652	Q	Q	464	41.6
Heating and Cooling	21	11	Q	5	6	1,906	797	Q	411	324	30.0
Individual Air Conditioners	1,023	134	12	28	94	17,979	5,232	212	1,262	3,758	14.8
Other	111	19	Q	Q	17	2,919	599	Q	Q	499	36.4
Lighting Equipment Types (more than one may apply)											
Incandescent	2,509	267	20	59	189	39,221	8,765	548	2,059	6,157	11.0
Standard Fluorescent	4,065	530	41	105	384	62,074	14,583	1,059	3,677	9,847	9.3
Compact Fluorescent	206	32	Q	5	23	8,336	2,230	143	524	1,564	21.5
High-Intensity Discharge	354	78	Q	15	57	17,570	6,195	414	1,555	4,227	13.7
Other	78	Q	Q	Q	Q	1,612	Q	Q	Q	Q	40.2
Personal Computers and/or Computer Terminals											
1 to 4	1,269	136	12	30	95	13,355	1,559	243	435	881	15.3
5 to 9	336	44	Q	6	33	5,970	813	Q	195	545	20.9
10 to 19	216	55	Q	8	41	6,236	1,720	Q	317	1,265	18.3
20 to 49	164	57	Q	13	42	7,439	2,494	Q	517	1,917	16.8
50 to 99	59	24	Q	4	18	4,908	2,309	Q	441	1,572	19.4
100 to 249	34	13	Q	5	7	4,220	1,967	Q	709	1,206	23.6
250 or More	19	4	(*)	1	2	5,569	1,446	181	278	987	26.7
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,343	422	40	77	306	50,311	12,023	979	2,986	8,058	9.7
Wall Insulation	2,320	259	26	48	185	33,240	5,768	509	1,381	3,879	11.4
Storm or Multiple Glazing	1,680	184	22	32	130	29,684	5,988	628	1,429	3,931	11.5
Tinted, Reflective or Shading Glass	1,068	122	12	19	91	25,396	5,250	510	1,198	3,542	14.8
Exterior or Interior Shading or Awnings	1,853	263	22	52	189	34,071	7,749	652	2,125	4,973	11.4
Windows that Open	2,119	378	32	67	280	28,937	9,030	474	1,802	6,754	10.8
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	250	54	6	12	36	13,970	4,009	307	1,256	2,446	17.6
Economizer Cycle	414	77	11	18	47	18,313	5,393	719	1,556	3,118	15.3
HVAC Maintenance	2,503	425	34	93	298	49,173	13,179	1,006	3,366	8,807	10.2

See footnotes at end of table.

Table A21. Occupancy of Government-Owned Buildings, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Government-Owned Buildings			All Buildings	Government-Owned Buildings					
		All Government-Owned Buildings	Federal	State		Local	All Government-Owned Buildings	Federal	State	Local	
RSE Column Factor:	0.4	0.8	2.4	1.5	0.9	0.4	0.8	1.9	1.5	1.0	
Lighting Conservation Features (more than one may apply)											
Specular Reflectors	574	92	14	17	61	15,241	4,008	423	1,226	2,359	16.8
Natural Lighting Control											
Sensors	74	11	Q	1	9	3,072	681	Q	Q	290	31.1
Occupancy Sensors	59	14	Q	4	8	3,629	1,076	350	Q	370	27.8
Time Clock	339	37	Q	6	28	12,104	1,915	143	355	1,418	24.8
Manual Dimmer Switches	413	33	Q	9	21	12,329	2,605	Q	756	1,737	21.7
Other	78	24	Q	Q	15	2,596	989	Q	Q	532	29.6
Energy Conservation Features (more than one may apply)											
Any Conservation Features	4,357	565	49	113	404	64,403	14,773	1,106	3,731	9,936	9.3
Building Shell	4,223	539	48	102	389	62,056	14,168	1,083	3,390	9,695	9.3
HVAC	2,604	432	34	94	304	50,281	13,276	1,015	3,376	8,885	10.1
Lighting	1,178	156	18	33	105	29,453	6,593	701	1,836	4,057	13.0
Other	264	44	Q	7	33	5,952	1,554	225	284	1,046	16.4
Off-Hour Equipment Reduction (more than one may apply)											
Heating	3,400	408	29	74	305	46,248	10,572	765	2,218	7,589	9.8
Cooling	2,872	321	24	58	239	42,768	9,727	758	2,083	6,886	10.8
Hot Water	578	73	5	10	58	9,966	2,914	180	429	2,306	15.7
Lighting	4,089	494	33	95	366	54,944	11,908	870	2,546	8,492	9.4
Other	547	52	Q	10	36	7,996	1,767	Q	Q	1,092	19.8
Energy Management Practices (more than one may apply)											
Energy Management and Control											
System	236	75	7	14	54	14,320	4,873	505	1,413	2,955	16.5
Demand-Side Management											
Participation	315	86	11	16	59	11,310	4,279	407	923	2,949	17.2
Energy Audit	521	122	Q	30	80	14,779	4,505	423	1,328	2,755	13.9
Building Energy Manager											
.....	49	18	Q	Q	13	2,311	777	Q	Q	561	36.5
Demand-Side Management Programs (more than one may apply)											
Building Shell Program	36	13	Q	Q	Q	1,079	367	Q	Q	Q	37.4
HVAC Program	154	49	Q	6	39	6,370	2,250	Q	570	1,495	21.7
Lighting Program	228	62	Q	14	39	8,805	3,313	376	730	2,207	20.6
Other DSM Programs	110	38	Q	6	23	6,176	2,494	245	551	1,698	24.0

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

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

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

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

**Table A22. Occupancy of Nongovernment-Owned Buildings,
Number of Buildings, 1992**
(Thousand)

Building Characteristics	All Nongovernment-Owned Buildings					RSE Row Factor
	All Buildings	All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
	0.7	0.7	0.8	1.3	2.1	
RSE Column Factor:	0.7	0.7	0.8	1.3	2.1	
All Buildings	4,806	4,206	3,192	817	197	5.0
Building Floorspace (square feet)						
1,001 to 5,000	2,681	2,423	1,859	437	127	7.0
5,001 to 10,000	975	861	660	167	34	6.9
10,001 to 25,000	647	540	396	126	18	8.8
25,001 to 50,000	280	228	169	47	12	10.1
50,001 to 100,000	116	82	57	22	Q	12.4
100,001 to 200,000	71	50	38	11	Q	13.7
200,001 to 500,000	26	16	11	5	Q	16.2
Over 500,000	9	7	4	Q	Q	32.2
Principal Building Activity						
Education	301	99	89	Q	Q	15.1
Food Sales	130	130	107	24	Q	19.9
Food Service	260	250	200	51	Q	12.2
Health Care	63	51	37	Q	Q	20.9
Lodging	154	139	135	Q	Q	15.9
Mercantile and Service	1,272	1,210	907	303	Q	7.0
Office	749	680	524	155	Q	7.7
Parking Garage	24	18	16	Q	Q	35.6
Public Assembly	278	213	191	23	Q	12.2
Public Order and Safety	60	Q	Q	Q	Q	27.4
Religious Worship	366	365	349	Q	Q	13.3
Warehouse and Storage	761	702	533	170	Q	9.6
Other	69	53	42	Q	Q	26.3
Vacant	319	285	54	34	197	12.1
Year Constructed						
1899 or Before	169	163	135	23	Q	20.0
1900 to 1919	255	226	175	39	Q	15.6
1920 to 1945	724	644	478	122	45	9.7
1946 to 1959	880	751	561	147	43	8.8
1960 to 1969	783	659	495	130	34	9.1
1970 to 1979	982	865	657	171	36	9.0
1980 to 1989	884	797	606	171	20	8.7
1990 to 1992	128	102	85	14	Q	22.9
Census Region						
Northeast	771	683	552	112	19	12.4
Midwest	1,202	1,070	844	173	53	9.5
South	1,963	1,729	1,267	361	101	7.9
West	870	725	529	171	24	15.6
Energy Sources (more than one may apply)						
Electricity	4,616	4,037	3,127	796	114	5.0
Natural Gas	2,665	2,309	1,814	458	37	6.7
Fuel Oil	559	483	413	63	Q	14.9
District Heat	95	44	35	9	Q	23.1
District Chilled Water	28	11	9	Q	Q	33.3
Propane	337	305	240	57	Q	18.6
Any Other	163	144	125	Q	Q	16.8
Energy End Uses (more than one may apply)						
Heated Buildings	4,178	3,641	2,875	701	65	5.1
Air-Conditioned Buildings	3,502	3,079	2,393	641	45	5.6
Buildings with Water Heating	3,502	3,053	2,414	589	49	5.6
Buildings with Cooking	734	617	496	114	Q	8.3
Buildings with Manufacturing	121	108	83	21	Q	20.3

See footnotes at end of table.

**Table A22. Occupancy of Nongovernment-Owned Buildings,
Number of Buildings, 1992 (Continued)**
(Thousand)

Building Characteristics	All Nongovernment-Owned Buildings					RSE Row Factor
	All Buildings	All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
	0.7	0.7	0.8	1.3	2.1	
RSE Column Factor:	0.7	0.7	0.8	1.3	2.1	
Climate Zone: 45-Year Average						
Fewer than 2,000 CDD and --						
More than 7,000 HDD	399	353	291	53	Q	19.1
5,500-7,000 HDD	1,134	1,001	812	151	39	14.2
4,000-5,499 HDD	1,077	962	733	187	43	18.7
Fewer than 4,000 HDD	1,101	939	686	211	42	18.8
More than 2,000 CDD and --						
Fewer than 4,000 HDD	1,095	951	670	216	64	12.2
Predominant Exterior Wall Material						
Masonry	3,115	2,707	2,015	570	122	5.5
Siding or Shingles	764	675	548	87	39	10.6
Metal Panels	745	669	525	115	29	11.3
Concrete Panels	87	75	42	29	Q	17.5
Window Glass	46	38	25	11	Q	28.4
Other	47	43	39	4	Q	30.3
Predominant Roof Material						
Built-Up	1,642	1,427	958	392	76	6.3
Shingles (Not Wood)	1,381	1,264	1,059	164	41	8.0
Metal Surfacing	1,037	921	697	165	59	9.4
Synthetic or Rubber	386	298	234	55	Q	9.9
Slate or Tile	155	131	104	22	Q	17.9
Concrete	37	30	21	7	Q	36.7
Other	167	137	119	13	Q	19.8
Floors						
One	3,007	2,626	1,945	542	140	6.9
Two	1,154	1,022	805	177	40	6.8
Three	446	393	313	66	Q	10.9
Four to Nine	186	154	122	30	Q	16.5
Ten or More	13	11	8	2	Q	21.2
Percent Window Glass						
25 or Less	4,193	3,702	2,802	716	185	5.3
26 to 50	490	407	315	83	Q	7.8
51 to 75	94	75	59	14	Q	21.3
76 to 100	29	22	17	Q	Q	27.3
Workers (main shift)						
Less than 5	2,718	2,465	1,856	419	191	6.7
5 to 9	895	792	628	162	Q	7.1
10 to 19	561	469	356	110	Q	9.0
20 to 49	405	312	232	79	Q	8.4
50 to 99	130	98	70	27	Q	12.8
100 to 249	64	46	33	13	Q	13.0
250 or More	31	25	18	7	Q	12.1
Weekly Operating Hours						
39 or Fewer	1,039	917	646	99	173	8.8
40 to 48	1,278	1,036	787	241	Q	6.9
49 to 60	1,004	934	723	201	Q	7.4
61 to 84	645	577	437	138	Q	7.1
85 to 167	478	450	354	96	Q	10.2
Open Continuously	362	292	245	43	Q	12.7

See footnotes at end of table.

**Table A22. Occupancy of Nongovernment-Owned Buildings,
Number of Buildings, 1992 (Continued)**
(Thousand)

Building Characteristics	All Nongovernment-Owned Buildings					RSE Row Factor
	All Buildings	All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
	0.7	0.7	0.8	1.3	2.1	
RSE Column Factor:	0.7	0.7	0.8	1.3	2.1	
Additional Operating Hours for Equipment Use						
Heating and/or Cooling	1,223	1,069	893	173	Q	10.6
Lighting	633	575	448	121	Q	11.4
Heating and/or Cooling and Lighting	371	332	272	59	Q	16.1
No Additional Hours	3,320	2,894	2,124	581	188	6.5
Percent Vacant for at Least Three Months						
1-50 Percent	362	344	200	144	Q	7.6
51-99 Percent	97	90	58	31	Q	16.9
100 Percent	398	317	92	31	194	12.7
None	3,948	3,456	2,842	611	Q	5.7
Number of Establishments						
One	3,886	3,359	2,864	495	Q	6.0
2 to 5	517	485	257	228	Q	7.7
6 to 10	89	83	40	43	Q	15.5
11 to 20	49	48	21	26	Q	23.9
More than 20	36	35	10	25	Q	21.4
Currently Unoccupied	229	197	Q	Q	197	10.6
Energy-Related Space Functions (more than one may apply)						
Commercial Food Preparation	735	616	497	112	Q	8.3
Computer Room	223	176	138	36	Q	13.9
Rooms with Special Ventilation	236	183	149	33	Q	14.2
Activities with Large Amounts of Hot Water	203	178	145	31	Q	12.2
Multibuilding Facility						
Part of Multibuilding Facility	1,667	1,280	1,019	220	42	8.6
with Central Physical Plant	223	112	100	10	Q	21.5
No Central Physical Plant	1,444	1,169	919	210	40	8.7
Not on Multibuilding Facility	3,139	2,926	2,173	597	155	5.1
Percent of Floorspace Heated						
Not Heated	653	587	330	121	136	10.2
1 to 50	688	649	477	155	16	9.2
51 to 99	618	555	433	121	Q	8.3
100	2,846	2,416	1,953	419	45	6.2
Percent of Floorspace Cooled						
Not Cooled	1,304	1,127	799	176	151	8.1
1 to 50	1,176	1,040	789	236	16	7.8
51 to 99	658	580	457	122	Q	8.8
100	1,668	1,459	1,148	282	29	8.0
Percent Lit when Open						
Not Lit	413	377	161	39	177	12.6
1 to 50	881	805	617	183	Q	7.9
51 to 99	813	703	557	142	Q	7.3
100	2,699	2,322	1,858	452	Q	5.9

See footnotes at end of table.

**Table A22. Occupancy of Nongovernment-Owned Buildings,
Number of Buildings, 1992 (Continued)**
(Thousand)

Building Characteristics	All Nongovernment-Owned Buildings					RSE Row Factor
	All Buildings	All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.6	0.7	0.7	1.2	3.0	
Heating Equipment (more than one may apply)						
Heat Pumps	449	398	318	70	Q	13.2
Furnaces	1,692	1,542	1,237	280	25	7.3
Individual Space Heaters	1,464	1,289	1,018	245	26	8.0
District Heat	93	44	34	9	Q	25.3
Boilers	624	477	404	68	Q	9.1
Packaged Heating Units	870	777	585	186	Q	10.8
Other	42	41	32	Q	Q	37.4
Heating Distribution Equipment (more than one may apply)						
Radiators or Baseboards	473	357	311	45	Q	11.4
Ducts for Heating	2,955	2,609	2,056	512	40	5.6
Heating Only	577	488	416	62	Q	13.1
Heating and Cooling	2,378	2,121	1,639	450	31	6.2
Variable Air-Volume System Used	210	162	133	28	Q	12.9
Fan Coil Units for						
Heating	99	65	46	15	Q	18.1
Heating Only	78	55	39	13	Q	20.9
Heating and Cooling	21	10	7	Q	Q	37.6
Individual Space Heaters	1,464	1,289	1,018	245	26	8.0
Other	181	157	128	27	Q	15.7
Cooling Equipment (more than one may apply)						
Residential-Type Central Air						
Conditioners	816	741	576	153	Q	11.5
Heat Pumps	454	404	326	69	Q	12.9
Individual Air						
Conditioners	1,023	889	711	168	Q	9.1
District Chilled Water	28	11	9	Q	Q	37.0
Central Chillers	142	90	72	16	Q	15.5
Packaged Air-Conditioning Units	1,459	1,306	991	302	13	8.4
Swamp Coolers	179	154	111	40	Q	29.9
Other	8	Q	Q	Q	Q	74.0
Cooling Distribution Equipment (more than one may apply)						
Ducts for Cooling	2,733	2,420	1,868	515	37	6.0
Cooling Only	355	299	229	64	Q	14.4
Heating and Cooling	2,378	2,121	1,639	450	31	6.2
Variable Air-Volume System Used	221	181	145	34	Q	12.6
Fan Coil Units for						
Cooling	56	37	29	8	Q	28.8
Cooling Only	35	28	21	Q	Q	38.1
Heating and Cooling	21	10	7	Q	Q	37.6
Individual Air						
Conditioners	1,023	889	711	168	Q	9.1
Other	111	93	66	26	Q	26.6
Lighting Equipment Types (more than one may apply)						
Incandescent	2,509	2,241	1,814	416	11	7.2
Standard Fluorescent	4,065	3,535	2,776	721	38	5.3
Compact Fluorescent	206	174	141	34	Q	14.3
High-Intensity Discharge	354	275	223	51	Q	11.2
Other	78	74	51	22	Q	24.1

See footnotes at end of table.

**Table A22. Occupancy of Nongovernment-Owned Buildings,
Number of Buildings, 1992 (Continued)**
(Thousand)

Building Characteristics	All Nongovernment-Owned Buildings					RSE Row Factor
	All Buildings	All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.6	0.7	0.7	1.2	3.0	
Personal Computers and/or Computer Terminals						
1 to 4	1,269	1,133	884	249	Q	6.9
5 to 9	336	292	217	75	Q	10.1
10 to 19	216	161	113	48	Q	13.4
20 to 49	164	107	82	24	Q	17.3
50 to 99	59	35	25	9	Q	16.9
100 to 249	34	21	17	4	Q	22.7
250 or More	19	15	12	3	Q	24.5
Building Shell Conservation Features (more than one may apply)						
Roof or Ceiling Insulation	3,343	2,921	2,297	535	89	5.6
Wall Insulation	2,320	2,061	1,660	334	68	6.5
Storm or Multiple Glazing	1,680	1,496	1,209	242	45	7.4
Tinted, Reflective or Shading Glass	1,068	946	738	183	25	8.3
Exterior or Interior Shading or Awnings	1,853	1,590	1,220	337	32	7.1
Windows that Open	2,119	1,741	1,420	260	61	6.9
HVAC Conservation Features (more than one may apply)						
Variable Air-Volume System	250	196	157	36	Q	12.1
Economizer Cycle	414	337	262	70	Q	12.7
HVAC Maintenance	2,503	2,078	1,696	365	17	6.9
Lighting Conservation Features (more than one may apply)						
Specular Reflectors	574	482	366	110	Q	11.9
Natural Lighting Control Sensors	74	63	57	5	Q	23.4
Occupancy Sensors	59	46	39	7	Q	21.9
Time Clock	339	301	224	75	Q	12.0
Manual Dimmer Switches	413	380	326	53	Q	13.0
Other	78	54	41	10	Q	24.6
Energy Conservation Features (more than one may apply)						
Any Conservation Features	4,357	3,792	2,929	717	145	5.3
Building Shell	4,223	3,684	2,841	699	144	5.3
HVAC	2,604	2,172	1,763	387	21	6.5
Lighting	1,178	1,022	810	202	9	8.7
Other	264	219	192	24	Q	15.8
Off-Hour Equipment Reduction (more than one may apply)						
Heating	3,400	2,991	2,332	613	46	5.6
Cooling	2,872	2,550	1,960	557	34	6.1
Hot Water	578	505	395	82	28	10.4
Lighting	4,089	3,596	2,785	743	68	5.2
Other	547	495	372	117	Q	14.3

See footnotes at end of table.

**Table A22. Occupancy of Nongovernment-Owned Buildings,
Number of Buildings, 1992 (Continued)**

(Thousand)

Building Characteristics	All Buildings	All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.6	0.7	0.7	1.2	3.0	
Energy Management Practices (more than one may apply)						
Energy Management and Control System	236	161	134	24	Q	13.1
Demand-Side Management Participation	315	229	199	27	Q	13.7
Energy Audit	521	399	334	64	Q	11.1
Building Energy Manager	49	32	27	3	Q	29.7
Demand-Side Management Programs (more than one may apply)						
Building Shell Program	36	23	18	Q	Q	32.3
HVAC Program	154	104	89	13	Q	17.1
Lighting Program	228	165	146	19	Q	17.0
Other DSM Programs	110	72	62	10	Q	21.3

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

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

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

Table A23. Occupancy of Nongovernment-Owned Buildings, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace of All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.7	0.7	0.7	1.4	2.1	
All Buildings	67,876	52,752	38,403	12,273	2,077	5.6
Building Floorspace (square feet)						
1,001 to 5,000	7,327	6,638	5,119	1,172	347	7.6
5,001 to 10,000	7,199	6,351	4,861	1,251	239	6.9
10,001 to 25,000	10,375	8,640	6,343	2,017	279	8.6
25,001 to 50,000	10,069	8,116	6,054	1,645	418	10.6
50,001 to 100,000	8,062	5,821	4,026	1,516	Q	12.3
100,001 to 200,000	9,678	6,820	5,178	1,527	Q	14.0
200,001 to 500,000	7,889	4,957	3,484	1,252	Q	16.5
Over 500,000	7,278	5,409	3,337	Q	Q	28.6
Principal Building Activity						
Education	8,470	1,508	1,402	Q	Q	14.6
Food Sales	757	757	584	173	Q	22.3
Food Service	1,491	1,334	1,076	258	Q	16.1
Health Care	1,763	1,242	1,139	Q	Q	16.7
Lodging	2,891	2,520	2,272	Q	Q	19.8
Mercantile and Service	12,402	11,319	7,797	3,522	Q	9.5
Office	12,319	10,665	7,848	2,816	Q	8.7
Parking Garage	1,652	923	828	Q	Q	42.3
Public Assembly	4,556	3,203	2,105	Q	Q	29.4
Public Order and Safety	820	Q	Q	Q	Q	35.4
Religious Worship	3,747	3,742	3,694	Q	Q	17.5
Warehouse and Storage	11,484	10,885	7,829	3,056	Q	12.6
Other	1,130	888	748	Q	Q	22.9
Vacant	4,396	3,713	1,029	607	2,077	15.4
Year Constructed						
1899 or Before	1,721	1,589	1,224	332	Q	21.2
1900 to 1919	3,608	2,704	1,978	486	Q	20.2
1920 to 1945	8,712	6,653	4,783	1,453	417	15.4
1946 to 1959	10,421	8,056	6,237	1,426	393	12.4
1960 to 1969	12,612	8,571	6,737	1,491	344	11.3
1970 to 1979	14,014	10,776	8,024	2,435	317	9.3
1980 to 1989	14,287	12,606	8,113	4,178	314	15.2
1990 to 1992	2,502	1,798	1,307	472	Q	18.7
Census Region						
Northeast	13,400	9,978	7,311	2,350	316	13.6
Midwest	17,280	13,127	10,421	2,211	495	9.4
South	24,577	19,480	13,503	5,177	800	10.4
West	12,619	10,167	7,168	2,534	465	9.5
Energy Sources (more than one may apply)						
Electricity	66,549	51,601	38,162	12,156	1,283	5.9
Natural Gas	45,097	34,151	26,187	7,466	498	6.4
Fuel Oil	13,218	9,420	7,627	1,600	Q	11.2
District Heat	5,339	2,893	2,541	350	Q	17.6
District Chilled Water	2,066	1,074	896	Q	Q	27.3
Propane	3,393	2,694	2,066	589	Q	18.1
Any Other	1,551	1,082	964	Q	Q	31.1
Energy End Uses (more than one may apply)						
Heated Buildings	61,996	47,518	35,293	11,404	821	6.0
Air-Conditioned Buildings	57,041	43,913	32,220	11,001	692	7.2
Buildings with Water Heating	58,479	44,627	33,171	10,804	651	6.5
Buildings with Cooking	23,065	15,001	10,893	4,018	Q	12.4
Buildings with Manufacturing	3,174	2,844	2,274	480	Q	19.7

See footnotes at end of table.

Table A23. Occupancy of Nongovernment-Owned Buildings, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace of All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.7	0.7	0.7	1.4	2.1	
Climate Zone: 45-Year Average						
Fewer than 2,000 CDD and --						
More than 7,000 HDD	5,623	4,274	3,265	856	Q	19.3
5,500-7,000 HDD	18,024	13,971	11,145	2,429	397	13.4
4,000-5,499 HDD	16,162	12,096	8,582	3,034	481	12.8
Fewer than 4,000 HDD	15,251	11,955	8,781	2,628	546	15.4
More than 2,000 CDD and --						
Fewer than 4,000 HDD	12,816	10,456	6,630	3,325	501	16.1
Predominant Exterior Wall Material						
Masonry	48,585	36,656	26,445	8,944	1,267	7.2
Siding or Shingles	3,873	3,519	2,935	394	190	12.3
Metal Panels	7,392	6,591	5,126	1,197	268	13.8
Concrete Panels	4,961	3,235	1,890	1,166	Q	18.0
Window Glass	2,028	1,736	1,202	380	Q	22.4
Other	1,037	1,015	804	192	Q	30.8
Predominant Roof Material						
Built-Up	30,257	23,928	15,568	7,450	910	9.1
Shingles (Not Wood)	10,570	9,166	7,642	1,212	313	11.2
Metal Surfacing	9,019	7,817	6,013	1,412	392	9.8
Synthetic or Rubber	11,702	7,271	5,401	1,647	Q	10.4
Slate or Tile	1,998	1,546	1,352	147	Q	19.3
Concrete	2,544	1,638	1,335	147	Q	30.7
Other	1,786	1,387	1,091	258	Q	24.5
Floors						
One	25,424	21,067	13,597	6,536	934	9.1
Two	18,025	14,328	11,140	2,697	491	8.2
Three	9,877	6,838	5,355	1,262	Q	11.3
Four to Nine	10,377	7,068	5,794	1,029	Q	14.4
Ten or More	4,173	3,451	2,517	749	Q	19.1
Percent Window Glass						
25 or Less	51,356	40,859	29,506	9,658	1,696	6.4
26 to 50	11,815	8,262	6,143	1,809	Q	10.1
51 to 75	3,206	2,316	1,762	514	Q	16.5
76 to 100	1,499	1,315	992	292	Q	27.5
Workers (main shift)						
Less than 5	17,944	15,976	10,973	3,044	1,959	12.2
5 to 9	7,524	6,524	5,015	1,486	Q	8.6
10 to 19	8,077	6,412	4,933	1,437	Q	12.5
20 to 49	10,556	7,501	5,586	1,880	Q	8.8
50 to 99	7,763	5,132	3,584	1,549	Q	16.8
100 to 249	7,378	4,593	3,110	1,472	Q	17.2
250 or More	8,633	6,614	5,202	1,405	Q	13.2
Weekly Operating Hours						
39 or Fewer	8,246	6,161	3,827	535	1,798	9.7
40 to 48	14,998	11,030	8,209	2,704	Q	8.9
49 to 60	14,046	12,019	9,168	2,796	Q	8.0
61 to 84	12,062	10,020	7,033	2,950	Q	11.0
85 to 167	8,467	6,238	4,707	1,531	Q	10.4
Open Continuously	10,057	7,284	5,459	Q	Q	18.6

See footnotes at end of table.

Table A23. Occupancy of Nongovernment-Owned Buildings, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace of All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.7	0.7	0.7	1.4	2.1	
Additional Operating Hours for Equipment Use						
Heating and/or Cooling	20,300	15,568	12,335	3,181	Q	7.7
Lighting	12,886	9,917	7,461	2,370	Q	10.8
Heating and/or Cooling and Lighting	8,717	6,341	5,001	1,297	Q	13.8
No Additional Hours	43,407	33,609	23,607	8,019	1,983	7.3
Percent Vacant for at Least Three Months						
1-50 Percent	12,420	10,916	6,897	4,018	Q	11.2
51-99 Percent	2,263	1,744	1,148	577	Q	21.8
100 Percent	4,109	3,083	679	380	2,023	13.1
None	49,085	37,010	29,679	7,297	Q	6.8
Number of Establishments						
One	47,997	35,556	29,992	5,565	Q	8.0
2 to 5	7,882	6,743	3,536	3,208	Q	11.7
6 to 10	2,562	2,423	1,015	1,408	Q	15.8
11 to 20	2,039	1,806	954	852	Q	22.4
More than 20	4,938	4,147	2,907	1,240	Q	20.2
Currently Unoccupied	2,457	2,077	Q	Q	2,077	12.6
Energy-Related Space Functions (more than one may apply)						
Commercial Food Preparation	22,166	14,098	10,890	3,119	Q	9.0
Computer Room	14,199	10,353	7,652	2,599	Q	11.5
Rooms with Special Ventilation	8,042	4,764	3,845	866	Q	12.7
Activities with Large Amounts of Hot Water	6,862	5,055	4,101	931	Q	13.4
Multibuilding Facility						
Part of Multibuilding Facility	31,564	21,809	15,994	5,231	584	10.4
with Central Physical Plant	8,395	4,120	3,800	306	Q	16.3
No Central Physical Plant	23,170	17,690	12,194	4,925	570	11.5
Not on Multibuilding Facility	36,312	30,943	22,409	7,041	1,492	5.3
Percent of Floorspace Heated						
Not Heated	6,211	5,465	3,193	948	1,324	14.8
1 to 50	11,195	9,251	6,610	2,456	185	14.3
51 to 99	10,211	8,314	6,130	2,152	Q	10.4
100	40,260	29,722	22,470	6,717	535	7.9
Percent of Floorspace Cooled						
Not Cooled	10,835	8,839	6,183	1,271	1,385	10.1
1 to 50	21,715	16,415	12,079	3,949	387	9.6
51 to 99	13,872	10,209	7,727	2,444	Q	10.1
100	21,454	17,290	12,414	4,608	267	11.3
Percent Lit when Open						
Not Lit	3,280	2,810	770	231	1,810	14.1
1 to 50	9,980	8,868	7,015	1,770	Q	10.3
51 to 99	14,224	11,248	8,128	3,057	Q	13.8
100	40,393	29,827	22,490	7,215	Q	6.7

See footnotes at end of table.

Table A23. Occupancy of Nongovernment-Owned Buildings, Floorspace, 1992 (Continued)
(Thousand)

Building Characteristics	Total Floorspace of All Buildings	Floorspace of All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.6	0.7	0.6	1.5	2.9	
Heating Equipment (more than one may apply)						
Heat Pumps	8,269	7,111	5,146	1,865	Q	13.0
Furnaces	16,909	14,594	10,985	3,360	249	8.7
Individual Space Heaters	22,380	17,823	13,610	3,795	419	8.5
District Heat	5,225	2,840	2,491	347	Q	19.3
Boilers	20,664	13,309	10,172	2,993	Q	13.6
Packaged Heating Units	16,000	13,425	9,074	4,257	Q	10.0
Other	903	760	540	Q	Q	34.1
Heating Distribution Equipment (more than one may apply)						
Radiators or Baseboards	13,263	7,717	6,572	1,078	Q	10.6
Ducts for Heating	45,422	35,535	25,751	9,315	469	6.7
Heating Only	5,950	3,756	3,210	446	Q	16.6
Heating and Cooling	39,472	31,779	22,542	8,869	368	7.3
Variable Air-Volume System Used	11,528	8,140	5,915	2,185	Q	21.7
Fan Coil Units for						
Heating	5,474	3,453	2,661	714	Q	18.4
Heating Only	3,569	2,344	1,781	486	Q	23.7
Heating and Cooling	1,906	1,109	880	Q	Q	27.2
Individual Space Heaters	22,380	17,823	13,610	3,795	419	8.5
Other	3,310	2,571	1,979	583	Q	22.5
Cooling Equipment (more than one may apply)						
Residential-Type Central Air Conditioners	9,021	7,428	5,783	1,591	Q	11.3
Heat Pumps	8,406	7,370	5,361	1,878	Q	12.7
Individual Air Conditioners	17,979	12,747	9,416	3,194	Q	16.3
District Chilled Water	2,066	1,074	896	Q	Q	31.0
Central Chillers	12,991	8,791	6,524	2,091	Q	20.6
Packaged Air-Conditioning Units	27,830	22,455	15,947	6,239	269	7.7
Swamp Coolers	2,085	1,651	1,049	582	Q	26.8
Other	268	Q	Q	Q	Q	64.7
Cooling Distribution Equipment (more than one may apply)						
Ducts for Cooling	47,755	37,741	27,003	10,124	615	7.7
Cooling Only	8,283	5,962	4,461	1,255	Q	13.1
Heating and Cooling	39,472	31,779	22,542	8,869	368	7.3
Variable Air-Volume System Used	12,430	9,296	6,695	2,482	Q	18.9
Fan Coil Units for						
Cooling	3,875	2,425	2,066	359	Q	25.1
Cooling Only	1,969	1,317	1,186	Q	Q	43.6
Heating and Cooling	1,906	1,109	880	Q	Q	27.2
Individual Air Conditioners	17,979	12,747	9,416	3,194	Q	16.3
Other	2,919	2,319	1,723	573	Q	25.8
Lighting Equipment Types (more than one may apply)						
Incandescent	39,221	30,456	24,018	6,198	240	7.3
Standard Fluorescent	62,074	47,490	35,290	11,653	548	6.6
Compact Fluorescent	8,336	6,105	5,089	1,016	Q	13.8
High-Intensity Discharge	17,570	11,374	8,747	2,571	Q	12.3
Other	1,612	1,496	1,052	427	Q	26.6

See footnotes at end of table.

Table A23. Occupancy of Nongovernment-Owned Buildings, Floorspace, 1992 (Continued)
(Thousand)

Building Characteristics	Total Floorspace of All Buildings	Floorspace of All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.6	0.7	0.6	1.5	2.9	
Personal Computers and/or Computer Terminals						
1 to 4	13,355	11,796	9,027	2,765	Q	8.5
5 to 9	5,970	5,156	3,604	1,553	Q	12.3
10 to 19	6,236	4,516	3,137	1,379	Q	18.1
20 to 49	7,439	4,946	3,515	1,401	Q	18.0
50 to 99	4,908	2,600	1,869	730	Q	18.6
100 to 249	4,220	2,252	1,812	434	Q	19.9
250 or More	5,569	4,123	3,298	825	Q	17.2
Building Shell Conservation Features (more than one may apply)						
Roof or Ceiling Insulation	50,311	38,288	28,012	9,262	1,014	6.5
Wall Insulation	33,240	27,472	20,366	6,417	688	7.9
Storm or Multiple Glazing	29,684	23,696	17,450	5,788	458	9.3
Tinted, Reflective or Shading Glass	25,396	20,146	14,347	5,371	428	11.3
Exterior or Interior Shading or Awnings	34,071	26,322	18,809	6,927	586	8.5
Windows that Open	28,937	19,907	16,151	3,174	582	7.7
HVAC Conservation Features (more than one may apply)						
Variable Air-Volume System	13,970	9,961	7,331	2,508	Q	19.0
Economizer Cycle	18,313	12,921	9,150	3,644	Q	14.0
HVAC Maintenance	49,173	35,994	27,164	8,415	415	8.1
Lighting Conservation Features (more than one may apply)						
Specular Reflectors	15,241	11,234	8,385	2,694	Q	10.2
Natural Lighting Control Sensors	3,072	2,392	1,920	385	Q	18.7
Occupancy Sensors	3,629	2,553	2,147	406	Q	19.1
Time Clock	12,104	10,189	6,876	3,156	Q	17.7
Manual Dimmer Switches	12,329	9,724	8,102	1,568	Q	12.2
Other	2,596	1,607	1,225	341	Q	18.4
Energy Conservation Features (more than one may apply)						
Any Conservation Features	64,403	49,630	36,377	11,630	1,624	6.1
Building Shell	62,056	47,889	35,043	11,369	1,477	6.0
HVAC	50,281	37,005	27,762	8,755	488	7.8
Lighting	29,453	22,860	16,990	5,551	319	10.6
Other	5,952	4,398	3,763	536	Q	13.9
Off-Hour Equipment Reduction (more than one may apply)						
Heating	46,248	35,676	26,466	8,684	526	6.0
Cooling	42,768	33,041	24,214	8,430	398	6.6
Hot Water	9,966	7,052	5,029	1,765	258	10.4
Lighting	54,944	43,036	31,884	10,338	814	5.3
Other	7,996	6,228	4,231	1,939	Q	17.9

See footnotes at end of table.

Table A23. Occupancy of Nongovernment-Owned Buildings, Floorspace, 1992 (Continued)
(Thousand)

Building Characteristics	Total Floorspace of All Buildings	Floorspace of All Nongovernment-Owned Buildings				RSE Row Factor
		All Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	
RSE Column Factor:	0.6	0.7	0.6	1.5	2.9	
Energy Management Practices (more than one may apply)						
Energy Management and Control System	14,320	9,447	7,105	2,307	Q	18.6
Demand-Side Management Participation	11,310	7,030	5,883	1,105	Q	11.2
Energy Audit	14,779	10,274	8,475	1,753	Q	10.3
Building Energy Manager	2,311	1,534	1,398	129	Q	27.7
Demand-Side Management Programs (more than one may apply)						
Building Shell Program	1,079	712	611	Q	Q	30.3
HVAC Program	6,370	4,120	3,407	701	Q	14.3
Lighting Program	8,805	5,492	4,691	772	Q	13.4
Other DSM Programs	6,176	3,682	2,999	682	Q	15.7

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

Notes: • To obtain 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 A24. Percent Vacant for at Least Three Months, Number of Buildings and Floorspace, 1992

Building Characteristics RSE Column Factor:	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Percent Vacant for at Least Three Months				All Buildings	Percent Vacant for at Least Three Months				
		None	1 to 50	51 to 99	100		None	1 to 50	51 to 99	100	
		0.5	1.0	1.9	1.5		0.5	0.6	1.1	2.4	
All Buildings	4,806	3,948	362	97	398	67,876	49,085	12,420	2,263	4,109	6.8
Building Floorspace (square feet)											
1,001 to 5,000	2,681	2,281	103	45	253	7,327	6,175	328	141	683	10.1
5,001 to 10,000	975	790	95	24	65	7,199	5,841	710	177	471	9.5
10,001 to 25,000	647	503	82	12	50	10,375	8,055	1,349	183	788	11.4
25,001 to 50,000	280	216	36	8	21	10,069	7,784	1,270	283	733	13.3
50,001 to 100,000	116	85	21	4	6	8,062	5,939	1,441	269	412	13.8
100,001 to 200,000	71	51	14	Q	3	9,678	6,867	2,011	Q	362	18.6
200,001 to 500,000	26	17	7	1	1	7,889	5,157	2,188	229	315	21.0
Over 500,000	9	5	3	Q	Q	7,278	3,267	3,122	Q	Q	39.0
Principal Building Activity											
Education	301	253	Q	Q	36	8,470	7,489	Q	Q	540	15.8
Food Sales	130	128	Q	Q	Q	757	753	Q	Q	Q	27.7
Food Service	260	242	Q	Q	Q	1,491	1,256	Q	Q	Q	17.0
Health Care	63	55	7	Q	Q	1,763	1,434	315	Q	Q	27.2
Lodging	154	124	12	Q	Q	2,891	2,526	219	Q	Q	25.8
Mercantile and Service	1,272	1,161	81	Q	19	12,402	8,697	3,471	Q	100	13.2
Office	749	584	142	15	8	12,319	6,722	5,155	356	86	12.8
Parking Garage	24	22	Q	Q	Q	1,652	1,465	Q	Q	Q	48.2
Public Assembly	278	236	7	Q	27	4,556	3,789	480	Q	134	25.5
Public Order and Safety	60	59	Q	Q	Q	820	776	Q	Q	Q	39.4
Religious Worship	366	344	Q	Q	Q	3,747	3,625	Q	Q	Q	20.8
Warehouse and Storage	761	674	52	Q	25	11,484	9,519	1,464	Q	331	15.9
Other	69	56	Q	Q	Q	1,130	926	Q	Q	Q	31.8
Vacant	319	Q	29	42	240	4,396	Q	433	1,226	2,630	13.7
Year Constructed											
1899 or Before	169	117	32	Q	Q	1,721	1,073	398	Q	Q	24.1
1900 to 1919	255	188	33	Q	20	3,608	2,035	801	Q	413	21.7
1920 to 1945	724	572	53	20	80	8,712	6,435	1,108	485	684	15.4
1946 to 1959	880	746	36	15	83	10,421	8,304	1,272	189	656	13.9
1960 to 1969	783	668	30	9	76	12,612	9,438	2,158	227	788	14.4
1970 to 1979	982	841	65	9	67	14,014	10,377	2,598	344	694	13.4
1980 to 1989	884	719	100	18	46	14,287	9,855	3,515	425	491	14.4
1990 to 1992	128	97	13	Q	16	2,502	1,568	569	Q	269	24.5
Census Region											
Northeast	771	633	86	8	44	13,400	9,120	3,021	508	752	14.3
Midwest	1,202	990	87	24	101	17,280	12,392	3,501	441	946	13.0
South	1,963	1,625	114	47	177	24,577	18,799	3,609	792	1,377	10.1
West	870	700	76	18	76	12,619	8,775	2,289	521	1,034	15.7
Energy Sources (more than one may apply)											
Electricity	4,616	3,881	353	92	289	66,549	48,799	12,390	2,246	3,114	7.0
Natural Gas	2,665	2,284	207	59	114	45,097	32,937	8,826	1,788	1,546	9.0
Fuel Oil	559	487	53	5	15	13,218	8,753	3,586	460	420	16.2
District Heat	95	81	8	2	Q	5,339	3,550	1,234	270	Q	21.3
District Chilled Water	28	22	4	Q	Q	2,066	1,320	516	Q	Q	35.0
Propane	337	294	17	Q	25	3,393	2,711	495	Q	174	24.9
Any Other	163	145	Q	Q	Q	1,551	1,280	Q	Q	Q	28.2
Energy End Uses (more than one may apply)											
Heated Buildings	4,178	3,564	329	85	200	61,996	45,565	11,905	2,122	2,405	7.3
Air-Conditioned Buildings	3,502	2,978	307	70	147	57,041	41,320	11,837	2,009	1,875	7.6
Buildings with Water Heating	3,502	2,975	306	67	154	58,479	42,707	11,837	1,961	1,975	7.7
Buildings with Cooking	734	627	69	10	29	23,065	15,836	5,943	733	553	13.5
Buildings with Manufacturing	121	104	7	Q	Q	3,174	2,088	750	Q	Q	26.2

See footnotes at end of table.

Table A24. Percent Vacant for at Least Three Months, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics RSE Column Factor:	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	All Buildings	Percent Vacant for at Least Three Months				All Buildings	Percent Vacant for at Least Three Months				
		None	1 to 50	51 to 99	100		None	1 to 50	51 to 99	100	
	0.5	0.5	1.0	1.9	1.5	0.5	0.6	1.1	2.4	1.6	
Ownership and Occupancy											
Nongovernment Owned	4,206	3,456	344	90	317	52,752	37,010	10,916	1,744	3,083	6.6
Owner Occupied	3,192	2,842	200	58	92	38,403	29,679	6,897	1,148	679	8.0
Nonowner Occupied	817	611	144	31	31	12,273	7,297	4,018	577	380	12.5
Unoccupied	197	Q	Q	Q	194	2,077	Q	Q	Q	2,023	13.0
Government Owned	599	493	18	7	81	15,124	12,075	1,504	Q	1,025	16.2
Percent of Floorspace Heated											
Not Heated	653	402	36	Q	202	6,211	3,636	559	Q	1,792	17.2
1 to 50	688	531	62	45	49	11,195	7,458	2,112	1,020	606	14.0
51 to 99	618	516	84	7	11	10,211	6,887	3,021	210	94	14.4
100	2,846	2,499	179	32	136	40,260	31,105	6,729	809	1,617	8.9
Percent of Floorspace Cooled											
Not Cooled	1,304	970	55	27	251	10,835	7,765	583	253	2,233	12.2
1 to 50	1,176	980	98	40	58	21,715	16,406	3,003	1,183	1,124	10.6
51 to 99	658	559	84	7	8	13,872	8,727	4,844	196	105	15.0
100	1,668	1,439	125	23	81	21,454	16,187	3,990	630	646	11.5
Percent Lit when Open											
Not Lit	413	163	Q	Q	226	3,280	740	Q	Q	2,418	16.6
1 to 50	881	694	97	59	31	9,980	6,886	1,290	1,460	344	12.3
51 to 99	813	678	102	12	21	14,224	9,240	4,459	259	265	13.9
100	2,699	2,413	148	18	120	40,393	32,219	6,601	492	1,081	9.9
Lighting Conservation Features (more than one may apply)											
Specular Reflectors	574	478	65	6	24	15,241	10,009	4,331	430	470	14.3
Natural Lighting Control											
Sensors	74	62	12	Q	Q	3,072	1,826	1,093	Q	Q	23.9
Occupancy Sensors	59	46	10	Q	Q	3,629	2,496	864	Q	Q	20.8
Time Clock	339	267	53	11	8	12,104	6,991	4,293	539	282	17.8
Manual Dimmer Switches	413	354	45	10	5	12,329	8,072	3,723	400	134	16.2
Other	78	60	10	Q	Q	2,596	1,918	429	Q	Q	24.7
Energy Conservation Features (more than one may apply)											
Any Conservation Features	4,357	3,617	336	86	318	64,403	46,647	12,146	2,165	3,445	7.3
Building Shell	4,223	3,498	329	84	312	62,056	44,651	12,027	2,097	3,282	7.4
HVAC	2,604	2,228	234	41	101	50,281	36,157	10,649	1,774	1,701	8.6
Lighting	1,178	991	132	25	30	29,453	20,140	7,548	1,030	734	10.9
Other	264	232	21	Q	Q	5,952	4,621	957	Q	166	18.2
Demand-Side Management Programs (more than one may apply)											
Building Shell Program	36	29	5	Q	Q	1,079	725	301	Q	Q	34.7
HVAC Program	154	121	22	6	Q	6,370	4,271	1,849	184	Q	17.3
Lighting Program	228	193	27	5	Q	8,805	5,918	2,458	317	Q	17.5
Other DSM Programs	110	90	16	Q	Q	6,176	4,110	1,917	Q	Q	21.9

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 A25. Multibuilding Facility, Number of Buildings and Floorspace, 1992

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Part of Multibuilding Facility		All Buildings	Part of Multibuilding Facility		
		All Buildings in Multibuilding Facilities	Buildings in Multibuilding Facilities with Central Physical Plant		All Buildings in Multibuilding Facilities	Buildings in Multibuilding Facilities with Central Physical Plant	
RSE Column Factor:	0.6	0.9	1.6	0.7	1.0	1.6	
All Buildings	4,806	1,667	223	67,876	31,564	8,395	6.0
Building Floorspace (square feet)							
1,001 to 5,000	2,681	858	76	7,327	2,315	194	9.5
5,001 to 10,000	975	334	38	7,199	2,447	274	7.9
10,001 to 25,000	647	244	47	10,375	3,834	732	8.3
25,001 to 50,000	280	123	32	10,069	4,399	1,132	10.1
50,001 to 100,000	116	49	11	8,062	3,354	749	10.6
100,001 to 200,000	71	37	10	9,678	5,083	1,292	13.9
200,001 to 500,000	26	15	7	7,889	4,665	2,089	13.2
Over 500,000	9	7	2	7,278	5,467	1,933	26.6
Principal Building Activity							
Education	301	217	54	8,470	5,115	1,458	11.6
Food Sales	130	Q	Q	757	Q	Q	21.7
Food Service	260	47	Q	1,491	415	Q	16.6
Health Care	63	27	9	1,763	1,156	766	16.1
Lodging	154	107	15	2,891	1,578	729	15.2
Mercantile and Service	1,272	281	20	12,402	4,691	Q	12.4
Office	749	236	44	12,319	4,978	1,882	10.6
Parking	24	12	2	1,652	1,155	Q	33.8
Public Assembly	278	102	19	4,556	2,717	500	19.3
Public Order and Safety	60	18	Q	820	427	Q	33.4
Religious Worship	366	86	Q	3,747	930	Q	16.6
Warehouse	761	396	28	11,484	5,963	611	13.0
Other	69	44	7	1,130	750	348	22.3
Vacant	319	84	7	4,396	1,613	448	18.2
Year Constructed							
1899 or Before	169	47	3	1,721	498	107	21.2
1900 to 1919	255	61	14	3,608	979	214	19.1
1920 to 1945	724	193	26	8,712	3,567	1,291	13.9
1946 to 1959	880	298	61	10,421	4,589	1,149	11.3
1960 to 1969	783	275	42	12,612	6,429	2,364	11.0
1970 to 1979	982	372	28	14,014	6,761	1,770	10.4
1980 to 1989	884	355	35	14,287	7,368	1,086	11.6
1990 to 1992	128	66	14	2,502	1,374	414	17.7
Census Region							
Northeast	771	254	33	13,400	5,614	1,954	12.1
Midwest	1,202	364	50	17,280	7,445	2,697	11.7
South	1,963	698	89	24,577	12,426	2,280	10.3
West	870	350	51	12,619	6,080	1,463	11.6
Energy Sources (more than one may apply)							
Electricity	4,616	1,587	220	66,549	31,027	8,340	6.1
Natural Gas	2,665	767	105	45,097	19,999	5,381	7.2
Fuel Oil	559	181	32	13,218	6,497	2,170	10.8
District Heat	95	83	82	5,339	4,506	4,253	11.7
District Chilled Water	28	27	27	2,066	1,784	1,710	17.4
Propane	337	121	5	3,393	1,562	277	20.1
Any Other	163	53	Q	1,551	592	Q	22.6

See footnotes at end of table.

Table A25. Multibuilding Facility, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Part of Multibuilding Facility		All Buildings	Part of Multibuilding Facility		
		All Buildings in Multibuilding Facilities	Buildings in Multibuilding Facilities with Central Physical Plant		All Buildings in Multibuilding Facilities	Buildings in Multibuilding Facilities with Central Physical Plant	
RSE Column Factor:	0.6	0.9	1.6	0.7	1.0	1.6	
Energy End Uses (more than one may apply)							
Heated Buildings	4,178	1,338	208	61,996	28,365	8,088	6.3
Air-Conditioned Buildings	3,502	1,090	174	57,041	26,158	7,402	6.8
Buildings with Water Heating	3,502	1,070	175	58,479	26,766	7,895	6.5
Buildings with Cooking	734	199	33	23,065	11,516	3,526	10.5
Buildings with Manufacturing	121	45	9	3,174	1,523	587	20.2
Workers (main shift)							
Less than 5	2,718	931	84	17,944	7,519	1,201	11.1
5 to 9	895	279	32	7,524	2,769	489	10.9
10 to 19	561	194	46	8,077	3,648	908	12.3
20 to 49	405	163	34	10,556	4,574	1,010	9.8
50 to 99	130	50	12	7,763	3,306	900	11.9
100 to 249	64	34	7	7,378	4,706	1,326	13.1
250 or More	31	17	8	8,633	5,042	2,560	12.8
Weekly Operating Hours							
39 or Fewer	1,039	336	30	8,246	2,970	594	12.5
40 to 48	1,278	508	96	14,998	7,118	1,428	8.7
49 to 60	1,004	298	25	14,046	5,417	1,037	10.2
61 to 84	645	206	17	12,062	5,526	1,070	11.3
85 to 167	478	118	15	8,467	3,878	1,437	14.7
Open Continuously	362	201	39	10,057	6,655	2,830	12.4
Ownership and Occupancy							
Nongovernment Owned	4,206	1,280	112	52,752	21,809	4,120	7.0
Owner Occupied	3,192	1,019	100	38,403	15,994	3,800	6.8
Nonowner Occupied	817	220	10	12,273	5,231	306	14.9
Unoccupied	197	42	Q	2,077	584	Q	20.2
Government Owned	599	386	111	15,124	9,755	4,275	9.9
Principal Facility Activity							
Education							
Primary or Secondary	211	211	52	4,046	4,046	859	13.5
College	48	48	29	2,485	2,485	1,732	18.2
Other	26	26	Q	364	364	Q	34.6
Retail Sales and Service							
Shopping Center/Mall	55	55	Q	2,352	2,352	Q	21.6
Automotive Sales and Service	79	79	Q	667	667	Q	23.3
Other	231	231	Q	1,798	1,798	Q	15.2
Other							
Office	140	140	13	3,931	3,931	1,162	17.3
Warehouse	229	229	Q	4,992	4,992	Q	16.8
Industrial/Manufacturing	119	119	47	2,124	2,124	1,206	19.1
Hospital or Other Health Service	56	56	20	2,193	2,193	1,444	16.4
Religious Activities	153	153	Q	1,397	1,397	Q	16.8
Hotel/Motel	77	77	Q	802	802	Q	24.4
Amusement or Recreation	92	92	7	Q	Q	Q	20.9
Transportation	35	35	Q	1,103	1,103	Q	38.0
Residential	Q	Q	Q	Q	Q	NF	Q
Agricultural	30	30	Q	160	160	Q	42.8

See footnotes at end of table.

Table A25. Multibuilding Facility, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Part of Multibuilding Facility		All Buildings	Part of Multibuilding Facility		
		All Buildings in Multibuilding Facilities	Buildings in Multibuilding Facilities with Central Physical Plant		All Buildings in Multibuilding Facilities	Buildings in Multibuilding Facilities with Central Physical Plant	
RSE Column Factor:	0.6	0.9	1.6	0.7	1.0	1.6	
Central Plant that Produces (more than one may apply)							
District Hot Water	129	129	129	4,598	4,598	4,598	14.2
District Steam	125	125	125	5,534	5,534	5,534	14.0
District Chilled Water	91	91	91	4,191	4,191	4,191	15.3
Electricity	65	65	65	1,903	1,903	1,903	25.6
Demand-Side Management Programs (more than one may apply)							
Building Shell Program	36	21	5	1,079	478	169	25.9
HVAC Program	154	74	23	6,370	3,541	1,623	14.6
Lighting Program	228	96	27	8,805	4,630	2,262	14.5
Other DSM Programs	110	49	22	6,176	3,379	1,945	16.6

NF = No applicable RSE row factor.

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 A26. Energy-Related Space Functions, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.5	0.9	1.2	1.3	1.4	
All Buildings	4,806	735	223	236	203	6.4
Building Floorspace (square feet)						
1,001 to 5,000	2,681	323	37	80	74	11.7
5,001 to 10,000	975	136	31	52	29	13.9
10,001 to 25,000	647	114	46	44	47	11.0
25,001 to 50,000	280	70	41	25	26	12.3
50,001 to 100,000	116	44	31	17	12	12.1
100,001 to 200,000	71	29	24	11	9	13.6
200,001 to 500,000	26	15	10	6	6	14.6
Over 500,000	9	5	4	2	1	19.6
Principal Building Activity						
Education	301	98	32	28	12	13.2
Food Sales	130	40	Q	Q	Q	26.9
Food Service	260	246	Q	Q	18	12.9
Health Care	63	8	5	11	9	27.1
Lodging	154	37	6	Q	50	19.8
Mercantile and Service	1,272	89	39	54	62	12.5
Office	749	30	81	35	14	14.2
Parking Garage	24	Q	Q	Q	Q	44.4
Public Assembly	278	81	4	18	18	18.4
Public Order and Safety	60	Q	Q	Q	Q	35.0
Religious Worship	366	68	Q	Q	Q	20.7
Warehouse and Storage	761	13	20	20	Q	21.2
Other	69	Q	11	16	7	25.8
Vacant	319	18	5	Q	Q	24.8
Year Constructed						
1899 or Before	169	41	Q	Q	Q	20.9
1900 to 1919	255	42	12	Q	Q	20.5
1920 to 1945	724	101	26	25	25	15.4
1946 to 1959	880	134	33	39	42	12.0
1960 to 1969	783	122	43	38	45	12.6
1970 to 1979	982	155	44	54	44	11.8
1980 to 1989	884	120	51	51	35	11.3
1990 to 1992	128	21	6	10	5	22.3
Census Region						
Northeast	771	142	50	45	37	12.8
Midwest	1,202	203	55	61	53	11.1
South	1,963	257	67	77	71	11.3
West	870	134	51	52	41	15.8
Energy Sources (more than one may apply)						
Electricity	4,616	735	223	236	203	6.4
Natural Gas	2,665	533	149	162	154	7.5
Fuel Oil	559	101	51	43	23	13.4
District Heat	95	19	11	17	6	18.2
District Chilled Water	28	8	5	3	2	28.4
Propane	337	84	18	22	29	21.6
Any Other	163	13	Q	Q	Q	25.9

See footnotes at end of table.

Table A26. Energy-Related Space Functions, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.5	0.9	1.2	1.3	1.4	
Energy End Uses (more than one may apply)						
Heated Buildings	4,178	714	222	229	194	6.4
Air-Conditioned Buildings	3,502	661	223	215	164	6.6
Buildings with Water Heating	3,502	729	211	219	202	6.4
Buildings with Cooking	734	732	53	70	80	8.2
Buildings with Manufacturing	121	13	16	19	8	26.7
Predominant Exterior Wall Materials						
Masonry	3,115	544	159	167	169	7.0
Siding or Shingles	764	129	11	18	20	19.7
Metal Panels	745	31	23	34	Q	18.0
Concrete Panels	87	15	15	10	7	20.3
Window Glass	46	15	9	Q	Q	29.5
Other	47	1	5	Q	Q	38.4
Predominant Roof Materials						
Built-Up	1,642	283	102	92	72	8.3
Shingles (Not Wood)	1,381	234	29	51	59	11.6
Metal Surfacing	1,037	76	25	41	20	17.8
Synthetic or Rubber	386	80	51	37	36	12.5
Slate or Tile	155	22	7	8	10	24.5
Concrete	37	7	2	Q	Q	40.2
Other	167	33	7	Q	Q	25.9
Floors						
One	3,007	379	79	123	93	9.4
Two	1,154	191	61	61	62	9.8
Three	446	103	43	29	31	13.3
Four to Nine	186	54	34	21	15	17.2
Ten or More	13	7	6	2	3	20.9
Workers (main shift)						
Less than 5	2,718	260	30	75	71	12.1
5 to 9	895	156	32	50	33	13.4
10 to 19	561	126	26	38	39	13.2
20 to 49	405	105	56	38	32	11.4
50 to 99	130	43	30	19	17	13.0
100 to 249	64	26	29	10	8	13.4
250 or More	31	18	20	6	4	12.0
Weekly Operating Hours						
39 or Fewer	1,039	116	13	13	Q	18.6
40 to 48	1,278	90	76	76	21	13.9
49 to 60	1,004	83	46	46	21	12.5
61 to 84	645	149	44	34	43	11.6
85 to 167	478	220	20	41	47	12.7
Open Continuously	362	77	23	27	62	13.2
Ownership and Occupancy						
Nongovernment Owned	4,206	616	176	183	178	6.9
Owner Occupied	3,192	497	138	149	145	7.4
Nonowner Occupied	817	112	36	33	31	14.8
Unoccupied	197	Q	Q	Q	Q	20.0
Government Owned	599	119	47	53	25	12.7
Multibuilding Facility						
Part of Multibuilding Facility	1,667	198	107	101	84	9.7
with Central Physical Plant	223	33	19	25	16	16.1
No Central Physical Plant	1,444	165	89	76	68	11.2
Not on Multibuilding Facility	3,139	537	115	135	119	7.5

See footnotes at end of table.

Table A26. Energy-Related Space Functions, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	Space Functions (more than one may apply)					RSE Row Factor
	All Buildings	Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.5	0.9	1.2	1.3	1.4	
Percent of Floorspace Heated						
Not Heated	653	21	Q	Q	Q	22.4
1 to 50	688	58	34	30	18	15.5
51 to 99	618	135	38	41	32	13.6
100	2,846	521	151	158	142	6.9
Percent of Floorspace Cooled						
Not Cooled	1,304	75	Q	21	39	16.3
1 to 50	1,176	158	73	84	47	10.4
51 to 99	658	178	56	45	45	11.0
100	1,668	324	93	86	72	9.0
Heating Equipment (more than one may apply)						
Heat Pumps	449	79	22	28	22	17.3
Furnaces	1,692	259	63	75	66	10.2
Individual Space Heaters	1,464	180	70	77	76	9.6
District Heat	93	18	11	17	6	18.3
Boilers	624	176	78	58	58	8.9
Packaged Heating Units	870	217	66	64	51	11.7
Other	42	18	6	Q	Q	37.0
Cooling Equipment (more than one may apply)						
Residential-Type Central Air Conditioners	816	118	43	37	28	15.0
Heat Pumps	454	80	25	28	20	17.2
Individual Air Conditioners	1,023	188	70	54	57	10.3
District Chilled Water	28	8	5	3	2	28.4
Central Chillers	142	52	37	25	16	13.5
Packaged Air-Conditioning Units	1,459	345	127	112	84	8.4
Swamp Coolers	179	38	5	15	15	30.7
Other	8	Q	Q	Q	Q	84.1
Personal Computers and/or Computer Terminals						
1 to 4	1,269	179	53	75	61	10.7
5 to 9	336	44	31	24	16	14.3
10 to 19	216	34	29	21	13	14.6
20 to 49	164	41	42	20	12	16.6
50 to 99	59	21	24	12	4	15.1
100 to 249	34	11	19	8	3	14.9
250 or More	19	11	13	4	3	18.7
Energy Conservation Features (more than one may apply)						
Any Conservation Features	4,357	728	223	235	197	6.4
Building Shell	4,223	709	221	229	193	6.4
HVAC	2,604	545	200	177	139	6.8
Lighting	1,178	275	105	96	73	8.8
Other	264	52	20	26	20	17.0
Energy Management Practices (more than one may apply)						
Energy Management and Control System	236	78	49	30	22	12.4
Demand-Side Management Participation	315	95	41	31	22	12.7
Energy Audit	521	131	55	35	32	11.0
Building Energy Manager	49	12	7	4	6	24.7

See footnotes at end of table.

Table A26. Energy-Related Space Functions, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.5	0.9	1.2	1.3	1.4	
Demand-Side Management Programs (more than one may apply)						
Building Shell Program	36	8	4	6	Q	31.7
HVAC Program	154	48	22	21	13	15.8
Lighting Program	228	67	34	22	14	16.1
Other DSM Programs	110	41	18	19	12	18.9

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 A27. Energy-Related Space Functions, Number of Buildings, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.6	0.9	1.1	1.2	1.4	
All Buildings	67,876	22,166	14,199	8,042	6,862	6.2
Building Floorspace (square feet)						
1,001 to 5,000	7,327	911	118	241	194	12.3
5,001 to 10,000	7,199	994	231	394	223	13.6
10,001 to 25,000	10,375	1,848	756	742	796	11.2
25,001 to 50,000	10,069	2,627	1,534	851	1,002	12.8
50,001 to 100,000	8,062	3,110	2,127	1,095	815	11.8
100,001 to 200,000	9,678	4,062	3,217	1,628	1,245	13.4
200,001 to 500,000	7,889	4,639	3,096	1,839	1,706	15.1
Over 500,000	7,278	3,975	3,119	1,250	880	18.0
Principal Building Activity						
Education	8,470	5,676	2,202	2,176	1,380	11.8
Food Sales	757	350	Q	Q	Q	24.7
Food Service	1,491	1,453	Q	Q	176	15.0
Health Care	1,763	1,294	953	1,006	540	15.8
Lodging	2,891	1,596	548	Q	1,755	21.9
Mercantile and Service	12,402	3,806	1,092	778	1,117	16.2
Office	12,319	3,674	5,569	1,496	792	11.9
Parking Garage	1,652	Q	Q	Q	Q	45.2
Public Assembly	4,556	1,769	442	433	544	24.4
Public Order and Safety	820	Q	Q	Q	Q	39.5
Religious Worship	3,747	1,231	Q	Q	Q	22.0
Warehouse and Storage	11,484	346	2,079	563	Q	20.2
Other	1,130	Q	396	632	185	22.6
Vacant	4,396	507	550	Q	Q	34.8
Year Constructed						
1899 or Before	1,721	495	Q	Q	Q	21.1
1900 to 1919	3,608	1,334	673	Q	Q	27.6
1920 to 1945	8,712	2,225	1,439	1,030	803	18.7
1946 to 1959	10,421	2,849	1,436	1,051	908	11.6
1960 to 1969	12,612	4,924	3,057	1,840	1,244	13.6
1970 to 1979	14,014	5,067	2,857	1,951	1,856	10.8
1980 to 1989	14,287	4,414	3,748	1,362	1,365	12.4
1990 to 1992	2,502	859	811	437	454	18.9
Census Region						
Northeast	13,400	5,740	3,736	1,998	1,714	13.2
Midwest	17,280	5,804	3,265	2,499	1,867	10.2
South	24,577	6,870	3,966	2,163	2,317	10.5
West	12,619	3,753	3,233	1,381	964	12.4
Energy Sources (more than one may apply)						
Electricity	66,549	22,166	14,199	8,036	6,862	6.2
Natural Gas	45,097	18,488	10,618	6,332	5,725	6.8
Fuel Oil	13,218	7,452	5,745	2,995	2,445	9.5
District Heat	5,339	2,280	2,124	1,627	818	15.3
District Chilled Water	2,066	920	839	500	416	23.0
Propane	3,393	1,545	925	542	561	19.6
Any Other	1,551	394	Q	Q	Q	30.7

See footnotes at end of table.

Table A27. Energy-Related Space Functions, Number of Buildings, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.6	0.9	1.1	1.2	1.4	
Energy End Uses (more than one may apply)						
Heated Buildings	61,996	21,833	14,170	7,995	6,829	6.3
Air-Conditioned Buildings	57,041	21,096	14,199	7,744	6,546	6.5
Buildings with Water Heating	58,479	22,095	13,947	7,890	6,857	6.4
Buildings with Cooking	23,065	22,159	7,328	4,178	4,813	8.2
Buildings with Manufacturing	3,174	525	810	864	421	21.1
Predominant Exterior Wall Materials						
Masonry	48,585	17,270	9,222	5,898	5,571	6.7
Siding or Shingles	3,873	919	297	100	185	17.9
Metal Panels	7,392	677	958	723	Q	22.1
Concrete Panels	4,961	1,998	1,713	682	694	20.4
Window Glass	2,028	993	1,309	478	231	25.5
Other	1,037	309	701	Q	Q	32.8
Predominant Roof Materials						
Built-Up	30,257	10,364	7,468	3,567	3,043	8.3
Shingles (Not Wood)	10,570	2,931	905	761	814	16.9
Metal Surfacing	9,019	1,157	772	651	311	18.7
Synthetic or Rubber	11,702	6,039	3,852	2,250	2,250	11.7
Slate or Tile	1,998	671	180	374	295	27.3
Concrete	2,544	570	488	Q	Q	37.7
Other	1,786	435	535	Q	Q	20.2
Floors						
One	25,424	5,058	2,680	1,509	1,279	11.2
Two	18,025	5,512	2,934	1,633	1,773	10.5
Three	9,877	4,208	2,245	1,701	1,493	11.5
Four to Nine	10,377	4,716	3,700	2,317	1,485	12.6
Ten or More	4,173	2,672	2,640	881	832	18.4
Workers (main shift)						
Less than 5	17,944	1,783	409	553	537	16.1
5 to 9	7,524	1,322	391	348	318	14.6
10 to 19	8,077	1,719	538	615	708	15.7
20 to 49	10,556	3,419	1,898	1,274	1,201	11.9
50 to 99	7,763	3,424	2,504	1,467	1,369	13.7
100 to 249	7,378	3,998	2,795	1,647	1,349	16.2
250 or More	8,633	6,502	5,666	2,139	1,380	12.1
Weekly Operating Hours						
39 or Fewer	8,246	1,828	435	322	Q	18.4
40 to 48	14,998	3,014	2,954	1,748	717	12.4
49 to 60	14,046	3,118	3,207	1,401	750	12.0
61 to 84	12,062	5,188	3,200	1,481	1,163	13.4
85 to 167	8,467	4,754	1,618	1,191	1,429	14.9
Open Continuously	10,057	4,264	2,786	1,899	2,528	12.7
Ownership and Occupancy						
Nongovernment Owned	52,752	14,098	10,353	4,764	5,055	7.1
Owner Occupied	38,403	10,890	7,652	3,845	4,101	7.1
Nonowner Occupied	12,273	3,119	2,599	866	931	15.2
Unoccupied	2,077	Q	Q	Q	Q	20.2
Government Owned	15,124	8,068	3,847	3,277	1,807	10.9
Multibuilding Facility						
Part of Multibuilding Facility	31,564	10,614	7,663	4,636	3,141	9.5
with Central Physical Plant	8,395	3,526	2,478	2,281	1,413	15.0
No Central Physical Plant	23,170	7,088	5,185	2,355	1,728	11.4
Not on Multibuilding Facility	36,312	11,553	6,537	3,405	3,721	6.9

See footnotes at end of table.

Table A27. Energy-Related Space Functions, Number of Buildings, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.6	0.9	1.1	1.2	1.4	
Percent of Floorspace Heated						
Not Heated	6,211	Q	Q	Q	Q	18.7
1 to 50	11,195	2,040	1,621	816	332	20.3
51 to 99	10,211	4,284	2,934	1,539	1,556	11.6
100	40,260	15,428	9,614	5,640	4,937	6.9
Percent of Floorspace Cooled						
Not Cooled	10,835	1,070	Q	297	316	18.1
1 to 50	21,715	5,468	4,313	2,570	1,371	10.8
51 to 99	13,872	7,211	4,650	2,271	2,472	11.1
100	21,454	8,417	5,236	2,904	2,704	9.2
Heating Equipment (more than one may apply)						
Heat Pumps	8,269	2,871	2,290	1,054	1,470	15.2
Furnaces	16,909	4,459	2,291	1,261	1,300	11.2
Individual Space Heaters	22,380	7,233	5,158	2,902	2,580	9.0
District Heat	5,225	2,198	2,070	1,592	783	15.6
Boilers	20,664	10,439	6,599	3,915	3,490	9.6
Packaged Heating Units	16,000	6,349	4,384	1,773	2,137	11.3
Other	903	513	418	Q	Q	28.7
Cooling Equipment (more than one may apply)						
Residential-Type Central Air Conditioners	9,021	2,553	1,762	975	911	14.4
Heat Pumps	8,406	2,991	2,355	1,101	1,392	13.9
Individual Air Conditioners	17,979	6,750	4,361	2,339	2,338	11.5
District Chilled Water	2,066	920	839	500	416	23.0
Central Chillers	12,991	7,823	5,942	3,247	2,261	10.8
Packaged Air-Conditioning Units	27,830	10,896	8,419	4,013	3,496	8.0
Swamp Coolers	2,085	755	482	343	213	29.5
Other	268	Q	Q	Q	Q	63.6
Personal Computers and/or Computer Terminals						
1 to 4	13,355	2,810	931	822	1,358	12.6
5 to 9	5,970	1,802	1,071	591	726	15.5
10 to 19	6,236	2,026	1,212	774	460	17.6
20 to 49	7,439	2,875	2,312	1,183	847	14.5
50 to 99	4,908	2,800	2,053	1,110	828	16.1
100 to 249	4,220	2,353	2,408	1,441	744	16.5
250 or More	5,569	4,239	4,052	1,554	1,089	15.8
Energy Conservation Features (more than one may apply)						
Any Conservation Features	64,403	22,132	14,199	8,006	6,824	6.3
Building Shell	62,056	21,922	14,056	7,862	6,721	6.3
HVAC	50,281	20,551	13,133	7,303	6,314	6.6
Lighting	29,453	12,988	8,990	4,912	3,579	8.5
Other	5,952	2,615	1,708	1,116	985	15.0
Energy Management Practices (more than one may apply)						
Energy Management and Control System	14,320	8,356	6,313	3,351	2,517	10.8
Demand-Side Management Participation	11,310	6,788	4,078	2,448	2,048	10.7
Energy Audit	14,779	7,392	5,238	2,747	2,169	10.0
Building Energy Manager	2,311	1,108	849	538	588	21.3

See footnotes at end of table.

Table A27. Energy-Related Space Functions, Number of Buildings, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Space Functions (more than one may apply)				RSE Row Factor
		Commercial Food Preparation	Computer Room	Rooms with Special Ventilation	Activity with Large Amount of Hot Water	
RSE Column Factor:	0.6	0.9	1.1	1.2	1.4	
Demand-Side Management Programs (more than one may apply)						
Building Shell Program	1,079	622	480	197	Q	25.0
HVAC Program	6,370	3,964	2,540	1,612	1,303	12.8
Lighting Program	8,805	5,394	3,325	1,897	1,533	12.5
Other DSM Programs	6,176	4,240	2,660	1,469	1,431	14.5

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

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

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

Table A28. Additional Operating Hours for Equipment Use, Number of Buildings and Floorspace, 1992

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Type of Equipment		All Buildings	Type of Equipment		
		Heating and/or Cooling	Lighting		Heating and/or Cooling	Lighting	
RSE Column Factor:	0.7	1.2	1.4	0.7	1.0	1.3	
All Buildings	4,806	1,223	633	67,876	20,300	12,886	5.5
Building Floorspace (square feet)							
1,001 to 5,000	2,681	626	307	7,327	1,778	860	8.8
5,001 to 10,000	975	256	145	7,199	1,905	1,096	7.4
10,001 to 25,000	647	171	83	10,375	2,904	1,374	8.0
25,001 to 50,000	280	90	45	10,069	3,211	1,663	9.8
50,001 to 100,000	116	44	30	8,062	2,970	2,022	10.3
100,001 to 200,000	71	26	14	9,678	3,378	1,970	11.4
200,001 to 500,000	26	8	6	7,889	2,487	1,912	14.1
Over 500,000	9	2	2	7,278	1,667	1,990	24.4
Principal Building Activity							
Education	301	82	35	8,470	3,246	2,073	10.3
Food Sales	130	48	30	757	217	152	21.3
Food Service	260	74	43	1,491	462	237	15.5
Health Care	63	24	Q	1,763	258	Q	18.8
Lodging	154	Q	Q	2,891	Q	Q	17.2
Mercantile and Service	1,272	357	217	12,402	4,530	3,097	10.3
Office	749	269	119	12,319	5,119	3,530	8.8
Parking Garage	24	Q	Q	1,652	Q	188	33.5
Public Assembly	278	85	33	4,556	1,183	511	14.3
Public Order and Safety	60	Q	Q	820	Q	Q	30.3
Religious Worship	366	101	22	3,747	1,177	458	14.3
Warehouse and Storage	761	116	75	11,484	2,604	1,435	11.0
Other	69	16	9	1,130	405	288	24.4
Vacant	319	26	29	4,396	843	680	21.0
Year Constructed							
1899 or Before	169	52	35	1,721	684	286	19.8
1900 to 1919	255	81	48	3,608	1,400	1,026	18.6
1920 to 1945	724	189	112	8,712	2,376	1,359	11.8
1946 to 1959	880	223	99	10,421	3,102	1,626	9.8
1960 to 1969	783	182	96	12,612	3,753	2,567	9.9
1970 to 1979	982	241	129	14,014	3,924	2,827	9.0
1980 to 1989	884	213	103	14,287	4,315	2,662	10.3
1990 to 1992	128	41	12	2,502	747	535	20.9
Census Region							
Northeast	771	248	99	13,400	4,360	2,417	12.3
Midwest	1,202	351	152	17,280	5,688	3,181	9.4
South	1,963	431	264	24,577	6,468	4,704	9.8
West	870	192	119	12,619	3,785	2,584	11.1
Energy Sources (more than one may apply)							
Electricity	4,616	1,223	633	66,549	20,300	12,886	5.5
Natural Gas	2,665	791	413	45,097	15,139	9,756	6.3
Fuel Oil	559	176	84	13,218	4,279	3,197	12.0
District Heat	95	37	12	5,339	1,664	1,200	16.1
District Chilled Water	28	9	3	2,066	603	298	25.1
Propane	337	71	33	3,393	782	584	16.8
Any Other	163	52	26	1,551	632	275	25.2

See footnotes at end of table.

Table A28. Additional Operating Hours for Equipment Use, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Type of Equipment		All Buildings	Type of Equipment		
		Heating and/or Cooling	Lighting		Heating and/or Cooling	Lighting	
RSE Column Factor:	0.7	1.2	1.4	0.7	1.0	1.3	
Energy End Uses (more than one may apply)							
Heated Buildings	4,178	1,211	602	61,996	19,914	12,377	5.7
Air-Conditioned Buildings	3,502	1,034	525	57,041	18,624	12,026	5.9
Buildings with Water Heating	3,502	1,080	543	58,479	19,464	12,198	5.7
Buildings with Cooking	734	231	121	23,065	7,483	5,749	8.5
Buildings with Manufacturing	121	34	19	3,174	866	583	18.7
Workers (main shift)							
Less than 5	2,718	554	313	17,944	3,200	1,933	9.1
5 to 9	895	277	120	7,524	2,201	1,059	9.4
10 to 19	561	166	75	8,077	2,332	1,085	11.4
20 to 49	405	139	69	10,556	3,587	1,914	8.1
50 to 99	130	50	29	7,763	3,234	1,784	11.4
100 to 249	64	26	20	7,378	2,750	2,181	12.6
250 or More	31	11	8	8,633	2,996	2,931	13.9
Weekly Operating Hours							
39 or Fewer	1,039	177	86	8,246	1,930	1,156	12.0
40 to 48	1,278	399	181	14,998	5,989	2,876	8.4
49 to 60	1,004	297	155	14,046	5,667	3,407	7.9
61 to 84	645	188	102	12,062	4,349	3,471	9.7
85 to 167	478	161	109	8,467	2,366	1,976	11.6
Open Continuously	362	Q	Q	10,057	Q	Q	14.5
Heating Equipment (more than one may apply)							
Heat Pumps	449	139	71	8,269	2,828	1,616	14.2
Furnaces	1,692	551	253	16,909	5,881	3,254	8.6
Individual Space Heaters	1,464	407	174	22,380	7,133	4,246	7.9
District Heat	93	36	12	5,225	1,629	1,186	16.2
Boilers	624	231	114	20,664	7,793	4,826	7.6
Packaged Heating Units	870	224	129	16,000	4,379	3,121	9.6
Other	42	11	Q	903	287	Q	31.4
Heating Distribution Equipment (more than one may apply)							
Radiators or Baseboards	473	183	79	13,263	4,906	2,485	9.2
Ducts for Heating	2,955	906	451	45,422	15,148	9,544	6.0
Heating Only	577	180	80	5,950	2,063	996	13.1
Heating and Cooling	2,378	726	372	39,472	13,085	8,548	6.3
Variable Air-Volume System	210	69	33	11,528	3,820	2,736	11.3
Fan Coil Units for Heating	99	40	16	5,474	1,750	990	14.7
Heating Only	78	30	12	3,569	1,218	673	17.1
Heating and Cooling	21	10	3	1,906	532	317	23.3
Individual Space Heaters	1,464	407	174	22,380	7,133	4,246	7.9
Other	181	61	32	3,310	1,395	986	18.0
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	816	250	126	9,021	3,081	2,020	11.1
Heat Pumps	454	144	79	8,406	2,865	1,751	13.5
Individual Air Conditioners	1,023	305	140	17,979	5,772	3,434	10.0
District Chilled Water	28	9	3	2,066	603	298	25.1
Central Chillers	142	57	37	12,991	4,149	3,550	11.7
Packaged Air-Conditioning Units	1,459	419	222	27,830	9,179	6,096	7.0
Swamp Coolers	179	48	32	2,085	748	281	23.6
Other	8	Q	Q	268	Q	Q	59.7

See footnotes at end of table.

Table A28. Additional Operating Hours for Equipment Use, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Type of Equipment		All Buildings	Type of Equipment		
		Heating and/or Cooling	Lighting		Heating and/or Cooling	Lighting	
RSE Column Factor:	0.7	1.2	1.4	0.7	1.0	1.3	
Cooling Distribution Equipment (more than one may apply)							
Ducts for Cooling	2,733	816	431	47,755	15,626	10,209	6.0
Cooling Only	355	90	60	8,283	2,541	1,661	11.7
Heating and Cooling	2,378	726	372	39,472	13,085	8,548	6.3
Variable Air-volume System	221	67	39	12,430	3,784	2,943	10.7
Fan Coil Units for Cooling	56	22	10	3,875	1,412	992	22.0
Cooling Only	35	12	7	1,969	880	675	32.3
Heating and Cooling	21	10	3	1,906	532	317	23.3
Individual Air Conditioners	1,023	305	140	17,979	5,772	3,434	10.0
Other	111	33	20	2,919	1,004	681	22.8
Lighting Equipment Types (more than one may apply)							
Incandescent	2,509	754	377	39,221	13,294	8,116	6.4
Standard Fluorescent	4,065	1,155	601	62,074	19,932	12,574	5.5
Compact Fluorescent	206	75	49	8,336	2,733	2,146	12.0
High-Intensity Discharge	354	115	72	17,570	5,420	3,650	8.9
Other	78	20	11	1,612	471	281	23.4
Building Shell Conservation Features (more than one may apply)							
Roof or Ceiling Insulation	3,343	987	459	50,311	16,818	10,152	6.2
Wall Insulation	2,320	695	320	33,240	11,362	6,874	7.3
Storm or Multiple Glazing	1,680	621	235	29,684	10,372	5,630	7.6
Tinted, Reflective or Shading Glass	1,068	300	173	25,396	8,027	5,645	8.5
Exterior or Interior Shading or Awnings	1,853	599	293	34,071	11,573	7,212	7.0
Windows that Open	2,119	577	244	28,937	8,091	4,538	7.1
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	250	77	43	13,970	4,460	3,302	10.4
Economizer Cycle	414	130	93	18,313	5,987	4,581	10.8
HVAC Maintenance	2,503	778	356	49,173	16,520	10,587	6.2
Lighting Conservation Features (more than one may apply)							
Specular Reflectors	574	173	96	15,241	4,852	3,320	10.0
Natural Lighting Control Sensors	74	16	20	3,072	692	746	16.6
Occupancy Sensors	59	20	14	3,629	1,304	819	16.3
Time Clock	339	91	89	12,104	3,633	3,343	12.5
Manual Dimmer Switches	413	146	73	12,329	3,897	2,808	9.8
Other	78	29	14	2,596	961	583	17.2
Energy Conservation Features (more than one may apply)							
Any Conservation Features	4,357	1,203	594	64,403	20,168	12,550	5.8
Building Shell	4,223	1,176	579	62,056	19,610	12,295	5.9
HVAC	2,604	809	380	50,281	17,027	10,779	6.3
Lighting	1,178	369	223	29,453	9,492	6,747	7.1
Other	264	101	46	5,952	2,136	1,312	12.5

See footnotes at end of table.

Table A28. Additional Operating Hours for Equipment Use, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)			Total Floorspace (million square feet)			RSE Row Factor
	All Buildings	Type of Equipment		All Buildings	Type of Equipment		
		Heating and/or Cooling	Lighting		Heating and/or Cooling	Lighting	
RSE Column Factor:	0.7	1.2	1.4	0.7	1.0	1.3	
Energy Management Practices (more than one may apply)							
Energy Management and Control System	236	80	38	14,320	4,970	3,820	10.4
Demand-Side Management Participation	315	124	63	11,310	3,956	2,834	9.6
Energy Audit	521	188	82	14,779	5,473	3,792	9.3
Building Energy Manager	49	12	9	2,311	545	485	21.3
Demand-Side Management Programs (more than one may apply)							
Building Shell Program	36	13	4	1,079	372	251	24.0
HVAC Program	154	63	34	6,370	2,235	1,540	12.2
Lighting Program	228	87	45	8,805	2,900	2,082	11.6
Other DSM Programs	110	39	29	6,176	1,911	1,612	13.9

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.