

Table A8. Building Size, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.7	0.8	0.8	1.0	1.1	1.3	1.4	2.2	
All Buildings	4,806	2,681	975	647	280	116	71	26	9	6.9
Principal Building Activity										
Education	301	112	43	57	40	30	12	6	Q	16.0
Food Sales	130	103	Q	Q	Q	Q	Q	Q	Q	23.1
Food Service	260	179	51	21	Q	Q	Q	Q	Q	18.7
Health Care	63	39	Q	Q	Q	Q	3	2	(*)	18.9
Lodging	154	56	39	26	21	7	3	1	Q	25.0
Mercantile and Service	1,272	807	265	127	40	18	10	2	2	13.9
Office	749	387	168	102	51	20	14	5	2	12.6
Parking Garage	24	Q	Q	Q	Q	Q	Q	2	Q	34.1
Public Assembly	278	137	62	53	16	6	Q	1	Q	19.7
Public Order and Safety	60	30	Q	Q	Q	Q	Q	Q	Q	38.1
Religious Worship	366	202	81	58	18	Q	Q	Q	Q	19.5
Warehouse and Storage	761	402	149	129	43	17	15	4	1	16.1
Other	69	39	Q	6	Q	Q	Q	Q	Q	34.7
Vacant	319	177	64	42	23	7	4	1	Q	20.8
Year Constructed										
1899 or Before	169	80	52	22	12	Q	Q	Q	Q	26.1
1900 to 1919	255	128	71	30	15	5	Q	Q	Q	22.7
1920 to 1945	724	415	151	97	36	14	9	2	1	17.2
1946 to 1959	880	511	174	111	50	18	11	3	(*)	15.1
1960 to 1969	783	435	135	118	50	23	17	5	1	14.0
1970 to 1979	982	558	201	116	62	25	12	6	2	12.2
1980 to 1989	884	487	167	134	46	25	16	5	Q	12.4
1990 to 1992	128	68	24	19	9	4	2	2	(*)	21.2
Census Region										
Northeast	771	383	180	109	54	25	12	5	2	13.3
Midwest	1,202	676	241	163	66	29	15	10	2	12.1
South	1,963	1,171	370	239	106	41	26	6	4	11.8
West	870	451	184	136	56	20	18	5	1	15.3
Energy Sources (more than one may apply)										
Electricity	4,616	2,539	954	628	275	114	70	25	9	6.9
Natural Gas	2,665	1,331	574	420	181	83	52	18	6	7.7
Fuel Oil	559	288	125	62	39	21	11	10	4	13.0
District Heat	95	18	11	28	16	10	6	5	1	23.0
District Chilled Water	28	Q	Q	8	9	Q	2	2	1	28.1
Propane	337	218	62	32	15	6	3	Q	Q	23.1
Any Other	163	99	41	Q	Q	Q	Q	Q	Q	23.3
Energy End Uses (more than one may apply)										
Heated Buildings	4,178	2,247	883	585	255	110	64	24	9	6.9
Air-Conditioned Buildings	3,502	1,792	758	519	236	103	59	24	9	7.0
Buildings with Water Heating	3,502	1,733	787	539	240	108	62	25	9	7.2
Buildings with Cooking	734	320	137	114	70	44	29	15	6	11.2
Buildings with Manufacturing	121	32	32	32	11	9	3	1	1	24.6
Predominant Exterior Wall Material										
Masonry	3,115	1,573	675	488	211	94	48	19	7	7.6
Siding or Shingles	764	595	105	48	13	Q	Q	Q	Q	16.8
Metal Panels	745	457	155	85	31	6	8	1	1	19.5
Concrete Panels	87	Q	14	20	16	11	8	4	1	21.5
Window Glass	46	Q	Q	Q	8	Q	2	1	1	24.8
Other	47	Q	Q	Q	Q	Q	Q	Q	Q	40.1

See footnotes at end of table.

Table A8. Building Size, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.7	0.8	0.8	1.0	1.1	1.3	1.4	2.2	
Predominant Roof Material										
Built-Up	1,642	772	369	265	124	55	41	12	5	9.7
Shingles (Not Wood)	1,381	927	250	137	49	11	5	1	Q	14.4
Metal Surfacing	1,037	648	209	122	39	11	8	Q	Q	15.6
Synthetic or Rubber	386	140	79	75	39	30	11	10	2	13.6
Slate or Tile	155	75	38	25	12	4	Q	Q	Q	25.8
Concrete	37	Q	Q	Q	Q	Q	3	2	1	27.4
Other	167	108	29	15	11	Q	Q	Q	Q	28.8
Floors										
One	3,007	2,009	525	310	103	36	18	5	Q	10.7
Two	1,154	518	282	211	81	35	20	4	2	10.5
Three	446	133	121	100	54	22	11	4	1	13.8
Four to Nine	186	Q	47	26	42	21	18	10	1	17.3
Ten or More	13	Q	Q	Q	Q	Q	4	4	3	17.5
Percent Window Glass										
25 or Less	4,193	2,433	848	554	202	80	52	18	6	8.0
26 to 50	490	201	108	75	61	24	13	5	2	13.0
51 to 75	94	40	Q	12	12	9	4	2	(*)	19.4
76 to 100	29	Q	Q	Q	Q	Q	2	1	1	28.7
Building Shape										
Square	280	167	64	27	12	6	3	2	1	21.6
Rectangle	3,659	2,223	713	452	165	54	37	11	3	8.1
Rectangle or Square with Courtyard	48	Q	Q	Q	Q	6	Q	Q	Q	38.5
Right Angle	333	127	90	54	41	12	7	1	Q	17.1
Other	485	152	93	105	58	38	22	11	5	13.8
Workers (main shift)										
Less than 5	2,718	1,968	460	204	60	12	8	3	Q	13.2
5 to 9	895	514	218	115	37	8	3	Q	Q	14.2
10 to 19	561	160	195	144	43	10	7	Q	Q	15.7
20 to 49	405	34	94	153	84	28	10	2	Q	14.4
50 to 99	130	Q	Q	25	41	32	16	3	Q	14.5
100 to 249	64	Q	Q	Q	13	18	18	7	1	15.0
250 or More	31	Q	Q	Q	Q	7	9	9	4	12.4
Weekly Operating Hours										
39 or Fewer	1,039	688	188	107	37	14	Q	2	Q	15.9
40 to 48	1,278	687	293	183	70	25	16	4	(*)	11.2
49 to 60	1,004	519	216	156	71	20	17	4	1	12.1
61 to 84	645	324	146	87	41	24	16	4	2	12.4
85 to 167	478	281	69	64	31	17	10	5	1	15.4
Open Continuously	362	182	62	50	31	15	9	8	Q	15.3
Ownership and Occupancy										
Nongovernment Owned	4,206	2,423	861	540	228	82	50	16	7	7.6
Owner Occupied	3,192	1,859	660	396	169	57	38	11	4	8.2
Nonowner Occupied	817	437	167	126	47	22	11	5	Q	12.6
Unoccupied	197	127	34	18	12	Q	Q	Q	Q	25.9
Government Owned	599	258	114	108	53	34	21	10	2	12.3
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	735	323	136	114	70	44	29	15	5	10.2
Computer Room	223	37	31	46	41	31	24	10	4	14.5
Rooms with Special Ventilation	236	80	52	44	25	17	11	6	2	15.7
Activity with Large Amounts of Hot Water	203	74	29	47	26	12	9	6	1	17.9

See footnotes at end of table.

Table A8. Building Size, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.7	0.8	0.8	1.0	1.1	1.3	1.4	2.2	
Percent of Floorspace Heated										
Not Heated	653	448	99	64	27	6	7	2	Q	20.3
1 to 50	688	340	156	116	46	13	10	4	2	14.2
51 to 99	618	294	152	96	40	19	11	4	1	13.2
100	2,846	1,600	568	371	167	77	43	16	5	8.5
Percent of Floorspace Cooled										
Not Cooled	1,304	889	216	128	44	12	12	2	Q	15.0
1 to 50	1,176	507	279	215	103	38	21	9	4	10.1
51 to 99	658	299	152	108	46	27	16	8	2	12.4
100	1,668	987	327	196	87	39	22	7	Q	10.5
Percent Lit when Open										
Not Lit	413	287	64	36	18	5	Q	Q	Q	21.7
1 to 50	881	489	180	144	41	14	11	2	Q	14.4
51 to 99	813	387	189	128	63	24	13	5	Q	11.1
100	2,699	1,518	541	339	158	73	46	19	4	7.9
Heating Equipment (more than one may apply)										
Heat Pumps	449	198	121	71	30	13	10	4	2	15.8
Furnaces	1,692	1,002	387	193	72	20	14	4	1	11.8
Individual Space Heaters	1,464	812	287	210	84	38	21	9	4	10.0
District Heat	93	18	11	28	15	9	6	5	1	23.3
Boilers	624	165	145	135	91	43	28	12	4	11.7
Packaged Heating Units	870	396	190	162	62	36	16	6	3	12.2
Other	42	28	Q	Q	Q	Q	Q	Q	Q	42.4
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	816	470	173	107	44	12	7	3	1	15.1
Heat Pumps	454	202	120	71	31	15	11	3	2	15.6
Individual Air Conditioners	1,023	536	198	155	73	34	16	7	5	11.7
District Chilled Water	28	Q	Q	8	9	Q	2	2	1	28.1
Central Chillers	142	Q	20	21	29	24	20	9	5	16.9
Packaged Air-Conditioning Units	1,459	625	347	264	119	58	30	12	4	9.8
Swamp Coolers	179	110	33	21	8	Q	Q	Q	Q	37.5
Other	8	Q	Q	Q	Q	Q	Q	Q	Q	89.2
Lighting Equipment Types (more than one may apply)										
Incandescent	2,509	1,342	523	347	167	66	43	17	5	7.9
Standard Fluorescent	4,065	2,145	866	591	257	110	64	25	9	6.8
Compact Fluorescent	206	68	50	31	24	16	10	6	2	15.1
High-Intensity Discharge	354	95	61	66	56	35	22	14	5	12.1
Other	78	37	Q	16	Q	Q	Q	Q	Q	30.7
Personal Computers and/or Computer Terminals										
1 to 4	1,269	651	311	204	77	15	9	3	Q	11.8
5 to 9	336	106	111	67	26	16	8	2	Q	16.7
10 to 19	216	24	56	70	44	13	7	2	Q	18.4
20 to 49	164	Q	14	63	35	27	9	4	Q	17.7
50 to 99	59	Q	Q	8	16	16	11	4	Q	18.3
100 to 249	34	Q	Q	Q	7	9	9	4	1	17.5
250 or More	19	Q	Q	Q	Q	4	4	6	3	18.3

See footnotes at end of table.

Table A8. Building Size, Number of Buildings, 1992 (Continued)

(Thousand)

Building Characteristics	All Buildings	Buildings by Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.7	0.8	0.8	1.0	1.1	1.3	1.4	2.2	
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	3,343	1,777	708	475	212	93	52	19	7	7.6
Wall Insulation	2,320	1,279	472	322	137	57	35	13	5	9.3
Storm or Multiple Glazing	1,680	800	390	263	123	56	29	13	5	10.0
Tinted, Reflective or Shading Glass	1,068	445	238	199	90	48	29	13	6	10.2
Exterior or Interior Shading or Awnings	1,853	901	392	288	137	75	37	17	5	9.5
Windows that Open	2,119	1,181	425	296	120	54	30	11	3	9.4
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	250	67	45	45	35	24	17	11	5	14.8
Economizer Cycle	414	111	84	94	47	35	26	12	6	13.0
HVAC Maintenance	2,503	1,143	542	429	205	97	55	22	9	7.8
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	574	212	127	124	55	26	18	8	3	12.4
Natural Lighting Control Sensors	74	Q	21	11	9	4	2	3	1	25.2
Occupancy Sensors	59	Q	Q	10	7	2	7	3	1	21.4
Time Clock	339	114	80	66	35	20	13	7	5	15.9
Manual Dimmer Switches	413	147	101	88	36	18	13	8	3	12.7
Other	78	23	Q	21	8	6	5	1	(*)	24.2
Energy Conservation Features (more than one may apply)										
Any Conservation Features	4,357	2,376	887	610	268	113	68	25	9	7.0
Building Shell	4,223	2,305	864	587	259	111	66	23	9	7.1
HVAC	2,604	1,194	569	447	208	98	57	23	9	7.6
Lighting	1,178	452	275	241	106	47	36	14	7	9.7
Other	264	102	62	50	25	14	8	2	1	17.5
Demand-Side Management Programs (more than one may apply)										
Building Shell Program	36	Q	Q	Q	Q	Q	Q	1	(*)	25.0
HVAC Program	154	46	30	36	14	12	9	5	2	18.1
Lighting Program	228	75	47	46	25	16	9	8	2	16.3
Other DSM Programs	110	37	Q	20	11	10	8	5	2	19.2

(*) = 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 A9. Building Size, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Building Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.8	0.8	0.8	1.0	1.0	1.3	1.4	2.0	
All Buildings	67,876	7,327	7,199	10,375	10,069	8,062	9,678	7,889	7,278	6.8
Principal Building Activity										
Education	8,470	292	307	997	1,551	2,045	1,641	1,621	Q	15.6
Food Sales	757	286	Q	Q	Q	Q	Q	Q	Q	24.1
Food Service	1,491	485	343	325	Q	Q	Q	Q	Q	19.5
Health Care	1,763	108	Q	Q	Q	Q	401	504	381	18.6
Lodging	2,891	159	294	412	711	420	378	380	Q	25.1
Mercantile and Service	12,402	2,203	1,987	2,003	1,369	1,268	1,364	646	1,560	15.0
Office	12,319	1,018	1,248	1,656	1,823	1,355	1,973	1,708	1,537	12.6
Parking Garage	1,652	Q	Q	Q	Q	Q	Q	694	Q	35.4
Public Assembly	4,556	438	494	822	615	378	Q	418	Q	24.2
Public Order and Safety	820	91	Q	Q	Q	Q	Q	Q	Q	38.3
Religious Worship	3,747	564	562	920	663	Q	Q	Q	Q	19.6
Warehouse and Storage	11,484	1,089	1,106	2,066	1,631	1,250	2,124	1,075	1,144	16.5
Other	1,130	99	Q	110	Q	Q	Q	Q	Q	32.4
Vacant	4,396	473	459	635	768	503	464	357	Q	21.9
Year Constructed										
1899 or Before	1,721	251	397	297	431	Q	Q	Q	Q	28.4
1900 to 1919	3,608	336	523	503	522	319	Q	Q	Q	25.1
1920 to 1945	8,712	1,150	1,106	1,507	1,267	927	1,227	707	Q	17.2
1946 to 1959	10,421	1,352	1,255	1,775	1,792	1,236	1,520	1,011	Q	14.7
1960 to 1969	12,612	1,167	986	1,892	1,856	1,625	2,306	1,444	1,335	14.8
1970 to 1979	14,014	1,536	1,505	1,902	2,216	1,776	1,673	1,988	1,418	12.2
1980 to 1989	14,287	1,339	1,251	2,189	1,658	1,717	2,070	1,526	2,536	13.8
1990 to 1992	2,502	197	176	309	327	268	269	670	285	20.7
Census Region										
Northeast	13,400	1,074	1,337	1,663	1,976	1,752	1,598	1,696	2,303	13.4
Midwest	17,280	1,889	1,763	2,689	2,353	2,097	2,048	2,839	1,601	11.9
South	24,577	3,155	2,723	3,782	3,696	2,842	3,720	1,968	2,691	12.0
West	12,619	1,208	1,376	2,241	2,043	1,371	2,311	1,386	683	14.2
Energy Sources (more than one may apply)										
Electricity	66,549	6,996	7,057	10,097	9,856	7,936	9,658	7,678	7,271	6.8
Natural Gas	45,097	3,761	4,266	6,865	6,510	5,735	7,134	5,648	5,177	7.6
Fuel Oil	13,218	829	925	978	1,377	1,539	1,573	3,017	2,980	12.5
District Heat	5,339	56	73	450	545	653	780	1,532	1,250	22.1
District Chilled Water	2,066	Q	Q	115	311	Q	252	737	515	26.0
Propane	3,393	573	466	456	501	411	500	Q	Q	22.6
Any Other	1,551	250	311	Q	Q	Q	Q	Q	Q	27.0
Energy End Uses (more than one may apply)										
Heated Buildings	61,996	6,210	6,533	9,424	9,132	7,622	8,730	7,470	6,876	6.8
Air-Conditioned Buildings	57,041	4,994	5,601	8,364	8,435	7,185	8,072	7,217	7,174	7.0
Buildings with Water Heating	58,479	4,928	5,834	8,724	8,637	7,489	8,492	7,466	6,910	7.1
Buildings with Cooking	23,065	903	998	1,852	2,627	3,110	4,062	4,639	4,874	11.1
Buildings with Manufacturing	3,174	97	245	495	382	618	442	257	637	24.7
Predominant Exterior Wall Material										
Masonry	48,585	4,401	5,001	7,867	7,545	6,552	6,649	5,666	4,905	7.6
Siding or Shingles	3,873	1,536	730	750	469	Q	Q	Q	Q	16.1
Metal Panels	7,392	1,255	1,158	1,345	1,120	426	1,158	366	565	20.0
Concrete Panels	4,961	Q	108	325	576	736	1,033	1,282	Q	21.9
Window Glass	2,028	Q	Q	Q	283	Q	286	377	726	24.2
Other	1,037	Q	Q	Q	Q	Q	Q	Q	Q	41.3

See footnotes at end of table.

Table A9. Building Size, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Floorspace by Building Size									RSE Row Factor
	Total Floorspace of All Buildings	1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.8	0.8	0.8	1.0	1.0	1.3	1.4	2.0	
Predominant Roof Material										
Built-Up	30,257	2,170	2,752	4,357	4,407	3,873	5,456	3,446	3,796	9.9
Shingles (Not Wood)	10,570	2,463	1,791	2,149	1,797	777	648	466	Q	15.1
Metal Surfacing	9,019	1,776	1,569	1,899	1,391	781	1,082	Q	Q	15.9
Synthetic or Rubber	11,702	391	592	1,258	1,451	2,013	1,557	2,912	1,528	14.3
Slate or Tile	1,998	215	275	357	445	275	Q	Q	Q	26.7
Concrete	2,544	Q	Q	Q	Q	Q	499	486	1,001	26.5
Other	1,786	284	203	234	379	Q	Q	Q	Q	28.1
Floors										
One	25,424	5,331	3,834	4,916	3,634	2,484	2,409	1,315	Q	10.9
Two	18,025	1,508	2,121	3,434	2,913	2,421	2,617	1,252	1,759	10.9
Three	9,877	412	898	1,630	1,960	1,562	1,567	1,125	723	13.7
Four to Nine	10,377	Q	345	391	1,538	1,491	2,486	2,916	1,134	17.1
Ten or More	4,173	Q	Q	Q	Q	Q	598	1,281	2,159	17.1
Percent Window Glass										
25 or Less	51,356	6,618	6,253	8,865	7,211	5,572	7,073	5,307	4,456	8.0
26 to 49	11,815	575	819	1,194	2,204	1,711	1,847	1,556	1,909	13.2
51 to 75	3,206	106	Q	208	449	603	548	776	414	19.4
76 to 100	1,499	Q	Q	Q	Q	Q	210	249	498	27.8
Building Shape										
Square	3,654	429	487	393	416	443	425	554	507	21.1
Rectangle	39,233	6,069	5,247	7,204	5,853	3,831	4,977	3,235	2,818	8.3
Rectangle or Square with Courtyard	1,372	Q	Q	Q	Q	382	Q	Q	Q	33.2
Right Angle	6,071	360	659	899	1,501	836	926	407	Q	17.8
Other	17,547	435	702	1,741	2,140	2,571	3,080	3,480	3,399	13.7
Workers (main shift)										
Less than 5	17,944	5,095	3,329	3,053	2,107	910	1,044	1,020	Q	14.3
5 to 9	7,524	1,554	1,612	1,801	1,348	595	444	Q	Q	14.6
10 to 19	8,077	537	1,446	2,323	1,538	643	922	Q	Q	16.5
20 to 49	10,556	120	757	2,608	3,049	1,899	1,367	628	Q	14.7
50 to 99	7,763	Q	Q	450	1,445	2,151	2,122	850	Q	14.7
100 to 249	7,378	Q	Q	Q	517	1,303	2,550	2,139	744	15.9
250 or More	8,633	Q	Q	Q	Q	561	1,229	2,812	3,951	12.7
Weekly Operating Hours										
39 or Fewer	8,246	1,797	1,341	1,592	1,309	1,007	Q	418	Q	16.1
40 to 48	14,998	1,904	2,186	2,994	2,553	1,698	2,254	1,178	230	11.3
49 to 60	14,046	1,430	1,610	2,549	2,536	1,440	2,278	1,188	1,016	12.1
61 to 84	12,062	926	1,098	1,408	1,443	1,769	2,152	1,238	2,028	13.2
85 to 167	8,467	772	492	1,022	1,151	1,132	1,390	1,480	1,027	16.3
Open Continuously	10,057	498	472	810	1,077	1,015	1,371	2,387	2,427	16.9
Ownership and Occupancy										
Nongovernment Owned	52,752	6,638	6,351	8,640	8,116	5,821	6,820	4,957	5,409	7.6
Owner Occupied	38,403	5,119	4,861	6,343	6,054	4,026	5,178	3,484	3,337	8.1
Nonowner Occupied	12,273	1,172	1,251	2,017	1,645	1,516	1,527	1,252	Q	13.4
Unoccupied	2,077	347	239	279	418	Q	Q	Q	Q	27.3
Government Owned	15,124	689	848	1,735	1,953	2,241	2,858	2,932	1,869	12.2
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	22,166	911	994	1,848	2,627	3,110	4,062	4,639	3,975	10.2
Computer Room	14,199	118	231	756	1,534	2,127	3,217	3,096	3,119	14.2
Rooms with Special Ventilation	8,042	241	394	742	851	1,095	1,628	1,839	1,250	15.4
Activity with Large Amounts of Hot Water	6,862	194	223	796	1,002	815	1,245	1,706	880	18.3

See footnotes at end of table.

Table A9. Building Size, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Floorspace by Building Size									RSE Row Factor
	Total Floorspace of All Buildings	1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.8	0.8	0.8	1.0	1.0	1.3	1.4	2.0	
Percent of Floorspace Heated										
Not Heated	6,211	1,150	724	979	995	473	983	425	Q	21.4
1 to 50	11,195	1,014	1,182	1,801	1,665	937	1,395	1,148	2,054	14.6
51 to 99	10,211	844	1,115	1,546	1,415	1,289	1,590	1,168	1,245	13.4
100	40,260	4,319	4,178	6,050	5,995	5,364	5,710	5,148	3,497	8.4
Percent of Floorspace Cooled										
Not Cooled	10,835	2,332	1,598	2,012	1,635	878	1,606	672	Q	15.6
1 to 50	21,715	1,531	2,091	3,398	3,696	2,703	2,932	2,705	2,660	10.5
51 to 99	13,872	830	1,136	1,753	1,652	1,785	2,247	2,371	2,098	12.7
100	21,454	2,633	2,374	3,213	3,087	2,697	2,893	2,141	2,416	11.6
Percent Lit when Open										
Not Lit	3,280	724	458	529	613	341	Q	Q	Q	22.1
1 to 50	9,980	1,405	1,318	2,235	1,500	1,017	1,501	557	Q	15.2
51 to 99	14,224	1,076	1,405	2,092	2,300	1,605	1,816	1,363	2,568	12.7
100	40,393	4,122	4,018	5,520	5,656	5,099	6,296	5,743	3,939	8.1
Heating Equipment (more than one may apply)										
Heat Pumps	8,269	542	899	1,159	1,119	932	1,433	1,012	1,172	15.9
Furnaces	16,909	2,780	2,816	3,131	2,559	1,352	1,860	1,075	1,337	11.9
Individual Space Heaters	22,380	2,291	2,153	3,305	2,942	2,681	2,793	2,934	3,281	10.1
District Heat	5,225	56	73	443	516	624	777	1,521	1,215	22.5
Boilers	20,664	511	1,100	2,210	3,351	3,037	3,879	3,477	3,098	11.7
Packaged Heating Units	16,000	1,116	1,415	2,667	2,168	2,509	2,126	1,603	2,396	12.3
Other	903	74	Q	Q	Q	Q	Q	Q	Q	36.5
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	9,021	1,313	1,268	1,716	1,528	810	913	851	622	14.3
Heat Pumps	8,406	549	902	1,152	1,181	1,032	1,511	889	1,191	15.7
Individual Air Conditioners	17,979	1,516	1,470	2,370	2,604	2,390	2,167	2,082	3,381	12.0
District Chilled Water	2,066	Q	Q	115	311	Q	252	737	515	26.0
Central Chillers	12,991	Q	157	357	1,088	1,651	2,752	3,072	3,869	16.6
Packaged Air-Conditioning Units	27,830	1,750	2,550	4,319	4,245	4,040	4,172	3,678	3,075	9.6
Swamp Coolers	2,085	316	250	331	304	Q	Q	Q	Q	35.8
Other	268	Q	Q	Q	Q	Q	Q	Q	Q	69.2
Lighting Equipment Types (more than one may apply)										
Incandescent	39,221	3,763	3,835	5,550	6,045	4,604	5,898	5,226	4,300	8.0
Standard Fluorescent	62,074	5,927	6,422	9,562	9,191	7,594	8,740	7,528	7,110	6.9
Compact Fluorescent	8,336	195	380	507	925	1,185	1,375	1,745	2,024	15.5
High-Intensity Discharge	17,570	289	487	1,123	2,089	2,447	3,118	3,932	4,085	12.6
Other	1,612	113	Q	227	Q	Q	Q	Q	407	27.7
Personal Computers and/or Computer Terminals										
1 to 4	13,355	1,845	2,378	3,235	2,681	1,115	1,251	802	Q	12.5
5 to 9	5,970	333	819	1,135	969	1,081	1,043	507	Q	16.4
10 to 19	6,236	81	406	1,167	1,620	890	863	432	Q	19.1
20 to 49	7,439	Q	108	1,080	1,288	1,794	1,288	1,047	Q	17.4
50 to 99	4,908	Q	Q	153	608	1,160	1,546	1,133	Q	18.1
100 to 249	4,220	Q	Q	Q	251	629	1,318	1,323	619	17.0
250 or More	5,569	Q	Q	Q	Q	330	578	1,948	2,667	18.2

See footnotes at end of table.

Table A9. Building Size, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Building Size								RSE Row Factor
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,001 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet	
RSE Column Factor:	0.5	0.8	0.8	0.8	1.0	1.0	1.3	1.4	2.0	
Building Shell Conservation Features (more than one may apply)										
Roof or Ceiling Insulation	50,311	4,951	5,270	7,668	7,504	6,454	7,160	5,653	5,650	7.4
Wall Insulation	33,240	3,554	3,481	5,145	4,949	3,940	4,733	3,637	3,800	9.0
Storm or Multiple Glazing	29,684	2,274	2,895	4,324	4,448	3,913	4,126	3,928	3,776	9.8
Tinted, Reflective or Shading Glass	25,396	1,251	1,789	3,195	3,226	3,395	3,948	4,076	4,516	10.4
Exterior or Interior Shading or Awnings	34,071	2,518	2,900	4,722	4,900	5,145	5,131	5,168	3,588	9.2
Windows that Open	28,937	3,293	3,117	4,700	4,366	3,754	4,209	3,179	2,319	9.6
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	13,970	185	335	794	1,287	1,714	2,251	3,359	4,044	15.5
Economizer Cycle	18,313	311	622	1,576	1,703	2,465	3,461	3,606	4,570	12.9
HVAC Maintenance	49,173	3,230	4,032	6,983	7,392	6,729	7,514	6,834	6,459	7.6
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	15,241	611	956	2,088	1,970	1,883	2,507	2,677	2,550	12.8
Natural Lighting Control Sensors	3,072	Q	147	189	305	259	314	910	882	24.0
Occupancy Sensors	3,629	Q	Q	201	264	174	840	1,045	955	20.4
Time Clock	12,104	310	618	1,132	1,274	1,446	1,765	2,038	3,522	16.2
Manual Dimmer Switches	12,329	446	761	1,420	1,341	1,326	1,859	2,559	2,616	13.0
Other	2,596	69	Q	388	301	446	604	383	306	23.2
Energy Conservation Features (more than one may apply)										
Any Conservation Features	64,403	6,575	6,566	9,788	9,597	7,874	9,271	7,479	7,254	7.0
Building Shell	62,056	6,375	6,405	9,403	9,270	7,683	8,935	7,098	6,887	7.0
HVAC	50,281	3,370	4,221	7,257	7,503	6,797	7,699	6,946	6,488	7.5
Lighting	29,453	1,302	2,066	3,952	3,884	3,420	4,821	4,557	5,452	9.9
Other	5,952	291	467	821	896	917	1,020	740	799	17.2
Demand-Side Management Programs (more than one may apply)										
Building Shell Program	1,079	Q	Q	Q	Q	Q	Q	310	143	22.6
HVAC Program	6,370	152	222	595	541	843	1,236	1,490	1,291	17.7
Lighting Program	8,805	225	345	704	951	1,128	1,235	2,247	1,970	16.4
Other DSM Programs	6,176	119	Q	326	418	712	1,190	1,548	1,749	19.5

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 A10. Year Constructed, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.6	1.4	0.9	0.8	0.8	0.8	0.9	1.4	1.7	
All Buildings	4,806	169	255	724	880	783	982	671	212	128	7.4
Building Floorspace (square feet)											
1,001 to 5,000	2,681	80	128	415	511	435	558	384	103	68	9.9
5,001 to 10,000	975	52	71	151	174	135	201	119	49	24	12.6
10,001 to 25,000	647	22	30	97	111	118	116	98	36	19	13.5
25,001 to 50,000	280	12	15	36	50	50	62	33	13	9	16.5
50,001 to 100,000	116	Q	5	14	18	23	25	20	5	4	17.9
100,001 to 200,000	71	Q	Q	9	11	17	12	12	3	2	23.0
200,001 to 500,000	26	Q	Q	2	3	5	6	4	1	2	24.4
Over 500,000	9	Q	Q	1	(*)	1	2	2	Q	(*)	36.4
Principal Building Activity											
Education	301	Q	12	28	76	72	46	37	12	17	19.9
Food Sales	130	Q	Q	Q	Q	Q	28	Q	Q	Q	28.9
Food Service	260	Q	Q	43	51	33	73	23	Q	Q	21.8
Health Care	63	Q	Q	7	10	15	14	9	Q	Q	40.3
Lodging	154	Q	Q	14	24	38	27	22	Q	4	26.4
Mercantile and Service	1,272	34	59	210	235	208	247	200	47	32	11.6
Office	749	31	38	108	136	102	163	113	42	15	13.7
Parking Garage	24	Q	Q	Q	Q	Q	10	Q	Q	(*)	38.1
Public Assembly	278	Q	15	42	42	58	52	32	Q	12	20.2
Public Order and Safety	60	Q	Q	Q	Q	Q	16	Q	Q	Q	37.0
Religious Worship	366	29	33	56	89	53	55	37	Q	Q	18.3
Warehouse and Storage	761	Q	27	112	117	107	185	125	50	21	15.4
Other	69	Q	Q	Q	13	11	15	14	Q	Q	46.3
Vacant	319	Q	40	75	53	44	49	29	Q	7	19.9
Census Region											
Northeast	771	52	62	166	124	122	118	81	31	14	15.3
Midwest	1,202	78	105	193	208	174	248	121	37	38	15.2
South	1,963	26	66	257	368	324	426	341	102	51	12.3
West	870	Q	22	109	179	163	190	128	42	25	18.4
Energy Sources (more than one may apply)											
Electricity	4,616	169	244	681	839	759	945	648	206	124	7.4
Natural Gas	2,665	112	178	437	515	465	517	279	108	53	9.0
Fuel Oil	559	31	52	105	107	89	91	52	22	8	18.3
District Heat	95	4	10	13	22	22	9	7	4	Q	27.2
District Chilled Water	28	Q	Q	Q	7	5	5	Q	Q	Q	40.6
Propane	337	Q	Q	42	60	53	67	57	16	20	22.5
Any Other	163	Q	Q	49	Q	25	31	Q	Q	Q	26.2
Energy End Uses (more than one may apply)											
Heated Buildings	4,178	158	232	623	760	687	850	576	184	107	7.5
Air-Conditioned Buildings	3,502	119	169	491	643	563	741	515	167	93	8.0
Buildings with Water Heating	3,502	126	202	507	638	580	721	489	160	79	7.8
Buildings with Cooking	734	41	42	101	134	120	154	86	36	21	12.5
Buildings with Manufacturing	121	Q	Q	21	20	11	31	15	Q	Q	28.3
Predominant Exterior Wall Material											
Masonry	3,115	126	189	528	667	548	550	338	109	61	8.7
Siding or Shingles	764	43	60	137	121	106	141	102	31	26	14.7
Metal Panels	745	Q	Q	48	71	106	229	194	61	33	15.1
Concrete Panels	87	Q	Q	Q	Q	14	27	21	7	6	24.4
Window Glass	46	Q	Q	Q	Q	6	18	8	1	Q	39.8
Other	47	Q	Q	Q	Q	Q	17	Q	Q	Q	46.4

See footnotes at end of table.

Table A10. Year Constructed, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.6	1.4	0.9	0.8	0.8	0.8	0.9	1.4	1.7	
Predominant Roof Material											
Built-Up	1,642	53	93	294	375	328	287	159	36	17	12.0
Shingles (Not Wood)	1,381	56	93	222	269	206	285	179	37	33	11.4
Metal Surfacing	1,037	Q	Q	75	99	146	285	255	90	50	13.8
Synthetic or Rubber	386	20	26	62	79	55	59	39	28	17	17.6
Slate or Tile	155	17	14	33	25	22	Q	Q	Q	Q	22.5
Concrete	37	Q	Q	Q	Q	6	7	9	Q	1	42.8
Other	167	Q	Q	33	27	20	40	19	Q	Q	31.2
Floors											
One	3,007	Q	52	323	584	554	707	511	159	99	9.9
Two	1,154	47	89	227	214	177	217	122	39	20	11.5
Three	446	58	75	135	65	39	44	19	7	4	16.9
Four to Nine	186	46	38	37	15	11	13	16	6	5	19.8
Ten or More	13	Q	Q	3	Q	3	2	3	Q	(*)	27.4
Percent Window Glass											
25 or Less	4,193	141	215	651	768	681	863	593	172	110	7.8
26 to 50	490	25	36	62	88	82	96	55	33	14	15.4
51 to 75	94	Q	Q	11	16	18	18	16	Q	4	30.6
76 to 100	29	Q	Q	Q	8	3	6	7	Q	Q	46.9
Building Shape											
Square	280	Q	12	42	58	41	59	45	14	3	21.0
Rectangle	3,659	123	203	558	643	579	772	520	163	97	8.3
Rectangle or Square with Courtyard	48	Q	Q	Q	Q	8	11	7	Q	Q	44.4
Right Angle	333	19	Q	46	67	70	61	38	8	8	18.7
Other	485	17	20	75	107	85	79	61	23	18	15.5
Workers (main shift)											
Less than 5	2,718	93	157	476	501	431	514	363	106	77	9.9
5 to 9	895	41	39	122	176	131	208	120	42	16	12.8
10 to 19	561	14	36	63	94	101	130	80	29	15	16.1
20 to 49	405	14	13	46	80	78	80	63	22	10	16.0
50 to 99	130	Q	Q	10	20	23	28	24	8	5	20.4
100 to 249	64	Q	3	4	7	11	16	15	5	3	20.6
250 or More	31	Q	Q	3	2	8	6	6	2	2	23.4
Weekly Operating Hours											
39 or Fewer	1,039	57	75	185	219	150	196	103	29	24	14.0
40 to 48	1,278	43	71	208	245	188	244	194	55	30	11.8
49 to 60	1,004	22	52	137	192	171	211	146	38	34	12.6
61 to 84	645	17	23	100	82	106	154	109	36	18	14.7
85 to 167	478	22	21	61	88	86	99	57	34	10	16.9
Open Continuously	362	Q	13	34	53	82	77	63	21	12	18.4
Ownership and Occupancy											
Nongovernment Owned	4,206	163	226	644	751	659	865	614	184	102	7.7
Owner Occupied	3,192	135	175	478	561	495	657	460	145	85	8.5
Nonowner Occupied	817	23	39	122	147	130	171	137	35	14	15.4
Unoccupied	197	Q	Q	45	43	34	36	Q	Q	Q	24.5
Government Owned	599	Q	29	80	129	125	117	58	29	26	15.5
Energy-Related Space Functions (more than one may apply)											
Commercial Food Preparation	735	41	42	101	134	122	155	86	34	21	12.3
Computer Room	223	Q	12	26	33	43	44	34	17	6	19.4
Rooms with Special Ventilation	236	Q	Q	25	39	38	54	37	14	10	20.5
Activity with Large Amounts of Hot Water	203	Q	Q	25	42	45	44	23	12	5	19.1

See footnotes at end of table.

Table A10. Year Constructed, Number of Buildings, 1992 (Continued)

(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.6	1.4	0.9	0.8	0.8	0.8	0.9	1.4	1.7	
Percent of Floorspace Heated											
Not Heated	653	Q	24	106	121	99	145	95	29	21	16.2
1 to 50	688	35	45	135	115	115	114	91	27	11	15.3
51 to 99	618	32	38	110	109	97	125	78	20	Q	16.7
100	2,846	88	147	374	535	473	598	408	137	87	8.2
Percent of Floorspace Cooled											
Not Cooled	1,304	50	86	234	237	220	241	157	45	35	12.4
1 to 50	1,176	67	68	190	250	181	212	147	44	17	11.3
51 to 99	658	24	44	106	111	103	142	90	22	16	15.2
100	1,668	28	58	195	282	279	387	278	101	60	10.8
Percent Lit when Open											
Not Lit	413	Q	23	76	78	55	83	58	Q	Q	21.0
1 to 50	881	61	79	168	151	138	150	95	19	20	13.9
51 to 99	813	41	52	122	150	132	163	108	30	15	14.6
100	2,699	55	101	359	501	458	586	411	148	82	8.7
Heating Equipment (more than one may apply)											
Heat Pumps	449	Q	Q	34	44	58	112	120	35	23	19.1
Furnaces	1,692	74	104	285	358	282	324	191	53	21	11.1
Individual Space Heaters	1,464	61	65	230	258	259	305	197	52	36	11.0
District Heat	93	4	10	12	22	22	9	7	4	Q	27.3
Boilers	624	53	70	128	127	107	79	33	15	12	14.7
Packaged Heating Units	870	Q	20	84	137	136	219	165	63	33	14.4
Other	42	Q	Q	Q	Q	Q	13	Q	Q	Q	48.9
Heating Distribution Equipment (more than one may apply)											
Radiators or Baseboards	473	54	68	107	87	71	54	21	9	3	17.9
Ducts for Heating	2,955	90	138	394	529	474	641	457	149	83	8.4
Heating Only	577	33	45	120	135	101	84	46	Q	Q	14.5
Heating and Cooling	2,378	57	93	274	395	372	558	411	139	78	9.5
Variable Air-Volume System	210	Q	9	16	29	29	43	38	32	12	19.7
Fan Coil Units for Heating	99	Q	8	22	20	16	12	8	Q	Q	25.6
Heating Only	78	Q	Q	18	18	10	9	7	Q	Q	32.0
Heating and Cooling	21	Q	Q	Q	Q	7	3	Q	Q	Q	37.6
Individual Space Heaters	1,464	61	65	230	258	259	305	197	52	36	11.0
Other	181	Q	Q	24	57	34	23	16	Q	Q	25.9
Cooling Equipment (more than one may apply)											
Residential-Type Central											
Air Conditioners	816	34	64	105	156	135	162	112	31	17	16.4
Heat Pumps	454	Q	13	29	43	62	116	119	38	25	20.3
Individual Air Conditioners	1,023	65	78	203	217	172	166	85	25	12	13.4
District Chilled Water	28	Q	Q	Q	7	5	5	Q	Q	Q	40.6
Central Chillers	142	Q	5	12	27	36	27	14	9	5	21.8
Packaged Air-Conditioning											
Units	1,459	41	41	186	256	241	348	229	77	40	11.7
Swamp Coolers	179	Q	Q	28	42	40	24	31	Q	Q	37.4
Other	8	Q	Q	Q	Q	Q	Q	Q	Q	Q	102.8
Cooling Distribution Equipment (more than one may apply)											
Ducts for Cooling	2,733	83	117	329	466	430	623	454	148	82	9.0
Cooling Only	355	26	24	56	71	57	65	43	9	Q	18.8
Heating and Cooling	2,378	57	93	274	395	372	558	411	139	78	9.5
Variable Air-Volume System	221	Q	10	16	30	27	50	39	33	12	18.4
Fan Coil Units for Cooling	56	Q	Q	8	9	16	9	3	Q	(*)	34.8
Cooling Only	35	Q	Q	Q	Q	9	Q	Q	Q	Q	46.5
Heating and Cooling	21	Q	Q	Q	Q	7	3	Q	Q	Q	37.6
Individual Air Conditioners	1,023	65	78	203	217	172	166	85	25	12	13.4
Other	111	Q	Q	12	18	31	19	Q	Q	Q	32.6

See footnotes at end of table.

Table A10. Year Constructed, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.6	1.4	0.9	0.8	0.8	0.8	0.9	1.4	1.7	
Lighting Equipment Types (more than one may apply)											
Incandescent	2,509	136	165	436	494	399	461	284	74	59	9.2
Standard Fluorescent	4,065	140	219	588	740	665	843	583	187	101	7.3
Compact Fluorescent	206	Q	9	27	26	36	44	29	13	11	21.9
High-Intensity Discharge	354	Q	13	37	52	49	77	75	27	20	15.5
Other	78	Q	Q	Q	Q	Q	12	25	Q	Q	35.9
Personal Computers and/or Computer Terminals											
1 to 4	1,269	38	57	181	228	188	301	177	68	32	11.9
5 to 9	336	Q	17	33	41	44	94	65	25	7	17.1
10 to 19	216	Q	Q	26	39	52	43	30	11	6	20.0
20 to 49	164	Q	12	14	29	36	27	24	14	5	21.1
50 to 99	59	Q	Q	5	11	9	12	12	3	2	25.1
100 to 249	34	Q	Q	6	3	8	7	6	2	2	29.3
250 or More	19	Q	Q	1	1	3	4	5	2	2	32.5
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	3,343	100	167	419	549	551	739	541	174	103	7.9
Wall Insulation	2,320	51	89	222	302	364	571	466	155	100	8.8
Storm or Multiple Glazing	1,680	88	125	218	238	230	332	257	117	75	9.8
Tinted, Reflective or Shading Glass	1,068	30	34	119	172	171	221	203	80	40	12.3
Exterior or Interior Shading or Awnings	1,853	67	94	240	336	297	364	285	110	61	9.9
Windows that Open	2,119	106	146	360	454	352	346	240	56	60	10.3
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	250	Q	11	19	39	36	53	41	33	12	17.9
Economizer Cycle	414	Q	22	38	51	61	99	63	47	24	16.3
HVAC Maintenance	2,503	93	134	317	428	429	532	371	132	68	9.0
Lighting Conservation Features (more than one may apply)											
Specular Reflectors	574	20	27	86	93	86	115	84	38	24	15.8
Natural Lighting Control Sensors	74	Q	Q	Q	16	10	15	10	6	Q	34.4
Occupancy Sensors	59	Q	Q	4	11	16	7	9	Q	Q	34.8
Time Clock	339	24	11	48	39	58	67	64	17	12	19.1
Manual Dimmer Switches	413	38	31	63	58	56	76	55	18	18	15.9
Other	78	Q	Q	Q	7	16	24	8	Q	4	34.9
Energy Conservation Features (more than one may apply)											
Any Conservation Features	4,357	159	235	641	782	716	889	617	195	121	7.7
Building Shell	4,223	155	230	615	761	697	850	604	193	117	7.8
HVAC	2,604	95	137	328	445	442	556	382	144	76	8.7
Lighting	1,178	65	65	173	169	180	235	175	68	48	11.0
Other	264	Q	20	31	41	38	59	34	21	9	21.6
Demand-Side Management Programs (more than one may apply)											
Building Shell Program	36	Q	Q	Q	Q	5	12	Q	Q	Q	44.1
HVAC Program	154	Q	7	14	24	29	43	17	10	Q	26.0
Lighting Program	228	9	14	36	42	39	53	22	9	4	23.2
Other DSM Programs	110	Q	Q	14	15	15	28	11	7	5	28.9

(*) = 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 A11. Year Constructed, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.5	1.6	1.1	0.9	0.9	0.7	0.9	1.5	1.2	
All Buildings	67,876	1,721	3,608	8,712	10,421	12,612	14,014	10,149	4,138	2,502	9.3
Building Floorspace (square feet)											
1,001 to 5,000	7,327	251	336	1,150	1,352	1,167	1,536	1,064	275	197	10.7
5,001 to 10,000	7,199	397	523	1,106	1,255	986	1,505	896	355	176	12.5
10,001 to 25,000	10,375	297	503	1,507	1,775	1,892	1,902	1,613	576	309	13.7
25,001 to 50,000	10,069	431	522	1,267	1,792	1,856	2,216	1,176	482	327	17.0
50,001 to 100,000	8,062	Q	319	927	1,236	1,625	1,776	1,330	387	268	17.1
100,001 to 200,000	9,678	Q	Q	1,227	1,520	2,306	1,673	1,626	444	269	23.2
200,001 to 500,000	7,889	Q	Q	707	1,011	1,444	1,988	1,207	320	670	24.7
Over 500,000	7,278	Q	Q	Q	Q	1,335	1,418	1,237	Q	285	30.5
Principal Building Activity											
Education	8,470	Q	441	1,077	1,903	2,405	1,728	480	173	253	19.4
Food Sales	757	Q	Q	Q	Q	Q	155	Q	Q	Q	35.9
Food Service	1,491	Q	Q	246	283	187	365	103	Q	Q	27.7
Health Care	1,763	Q	Q	227	152	492	544	240	Q	Q	28.8
Lodging	2,891	Q	Q	410	328	482	579	550	Q	Q	26.8
Mercantile and Service	12,402	239	422	1,381	1,883	2,680	2,607	2,109	535	545	17.1
Office	12,319	435	716	1,389	1,400	2,187	2,283	2,419	899	590	15.3
Parking Garage	1,652	Q	Q	Q	Q	Q	674	Q	Q	Q	41.1
Public Assembly	4,556	Q	142	495	346	552	1,096	461	Q	Q	25.6
Public Order and Safety	820	Q	Q	Q	Q	Q	168	Q	Q	Q	47.8
Religious Worship	3,747	267	433	355	1,088	628	505	358	Q	Q	23.9
Warehouse and Storage	11,484	Q	269	1,853	1,805	1,815	2,397	2,233	610	377	19.6
Other	1,130	Q	Q	Q	188	184	210	126	Q	Q	36.2
Vacant	4,396	Q	877	929	577	431	702	571	Q	77	28.3
Census Region											
Northeast	13,400	676	1,052	2,655	2,070	2,485	2,123	1,547	506	286	17.6
Midwest	17,280	720	1,246	2,296	2,629	2,652	4,086	2,482	500	670	15.2
South	24,577	167	788	2,646	3,898	4,914	4,940	3,950	2,367	906	16.6
West	12,619	Q	522	1,115	1,825	2,562	2,865	2,170	765	639	16.8
Energy Sources (more than one may apply)											
Electricity	66,549	1,721	3,402	8,396	10,135	12,479	13,781	10,047	4,106	2,483	9.4
Natural Gas	45,097	1,249	2,826	5,738	7,294	8,900	9,230	6,265	1,965	1,630	10.2
Fuel Oil	13,218	344	764	1,748	1,647	2,363	2,747	2,122	741	743	15.7
District Heat	5,339	91	269	1,135	566	1,419	976	532	149	202	22.5
District Chilled Water	2,066	Q	Q	Q	241	376	632	184	Q	164	33.7
Propane	3,393	Q	Q	390	401	642	786	609	201	212	27.0
Any Other	1,551	Q	Q	475	Q	Q	268	Q	Q	Q	33.5
Energy End Uses (more than one may apply)											
Heated Buildings	61,996	1,637	3,329	7,717	9,371	11,548	12,814	9,398	3,878	2,303	9.5
Air-Conditioned Buildings	57,041	1,307	2,759	6,586	8,260	10,601	12,286	9,225	3,760	2,258	10.1
Buildings with Water Heating	58,479	1,457	3,126	7,004	8,784	11,006	12,369	8,869	3,696	2,167	9.9
Buildings with Cooking	23,065	495	1,334	2,225	2,849	4,920	5,071	3,197	2,117	859	15.2
Buildings with Manufacturing	3,174	Q	Q	542	748	394	652	504	Q	Q	29.2
Predominant Exterior Wall Material											
Masonry	48,585	1,483	3,286	7,530	8,651	8,536	9,277	5,635	2,662	1,526	11.2
Siding or Shingles	3,873	193	236	588	579	560	717	716	178	105	17.2
Metal Panels	7,392	Q	Q	395	898	1,395	1,881	1,929	559	244	21.2
Concrete Panels	4,961	Q	Q	Q	Q	1,502	1,510	745	452	464	23.5
Window Glass	2,028	Q	Q	Q	Q	463	408	685	202	76	29.2
Other	1,037	Q	Q	Q	Q	Q	220	Q	Q	Q	44.3

See footnotes at end of table.

Table A11. Year Constructed, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.5	1.6	1.1	0.9	0.9	0.7	0.9	1.5	1.2	
Predominant Roof Material											
Built-Up	30,257	565	1,430	3,996	5,716	6,568	5,907	3,563	Q	699	13.3
Shingles (Not Wood)	10,570	523	926	1,777	1,834	1,570	2,142	1,310	283	206	15.5
Metal Surfacing	9,019	Q	Q	783	764	1,520	2,224	2,206	821	464	16.6
Synthetic or Rubber	11,702	238	710	1,262	1,436	2,139	2,545	1,688	817	868	17.9
Slate or Tile	1,998	219	289	586	260	247	Q	Q	Q	Q	25.8
Concrete	2,544	Q	Q	Q	Q	Q	751	762	199	159	36.5
Other	1,786	Q	Q	132	310	223	293	502	Q	Q	32.6
Floors											
One	25,424	Q	243	2,381	4,020	5,146	5,763	4,359	2,373	994	14.5
Two	18,025	338	869	1,964	3,168	3,872	3,661	2,789	710	654	14.8
Three	9,877	481	1,012	2,067	1,702	1,365	1,963	822	243	223	17.5
Four to Nine	10,377	743	1,257	1,810	1,283	1,310	1,812	1,085	620	457	19.9
Ten or More	4,173	Q	Q	490	249	918	815	1,094	192	174	27.1
Percent Window Glass											
25 or Less	51,356	1,269	2,765	6,983	7,858	9,341	11,287	6,989	3,164	1,701	10.5
26 to 50	11,815	426	677	1,233	2,068	2,390	1,817	2,119	597	488	18.0
51 to 75	3,206	Q	Q	479	342	468	661	625	231	215	23.7
76 to 100	1,499	Q	Q	Q	153	Q	249	417	Q	Q	35.9
Building Shape											
Square	3,654	Q	206	573	381	736	837	533	195	Q	24.1
Rectangle	39,233	1,107	1,971	5,568	5,877	7,086	8,367	5,943	1,989	1,324	9.6
Rectangle or Square with Courtyard	1,372	Q	Q	Q	Q	299	317	286	Q	Q	41.0
Right Angle	6,071	241	Q	630	1,025	1,132	1,191	816	248	220	23.1
Other	17,547	287	751	1,868	2,985	3,359	3,302	2,572	Q	787	16.8
Workers (main shift)											
Less than 5	17,944	692	993	3,053	2,922	2,807	3,165	2,177	Q	516	13.5
5 to 9	7,524	444	453	1,211	1,236	1,227	1,577	882	343	152	16.0
10 to 19	8,077	167	612	933	1,611	1,211	1,812	1,142	389	201	18.6
20 to 49	10,556	151	355	1,105	2,204	2,180	2,088	1,560	514	399	16.2
50 to 99	7,763	Q	Q	1,023	1,222	1,685	1,424	1,117	347	301	22.0
100 to 249	7,378	Q	476	484	719	1,369	1,895	1,600	469	349	24.9
250 or More	8,633	Q	Q	904	507	2,133	2,053	1,670	457	585	21.1
Weekly Operating Hours											
39 or Fewer	8,246	385	927	1,564	1,570	1,320	1,455	686	163	176	17.8
40 to 48	14,998	484	883	2,045	2,877	2,617	2,614	2,278	646	554	14.4
49 to 60	14,046	363	803	2,013	2,640	2,371	2,476	2,104	616	661	14.5
61 to 84	12,062	147	356	1,393	1,072	2,692	2,778	2,500	709	415	17.9
85 to 167	8,467	272	402	780	1,117	1,910	2,248	920	544	273	19.8
Open Continuously	10,057	Q	237	918	1,146	1,701	2,444	1,661	Q	423	21.8
Ownership and Occupancy											
Nongovernment Owned	52,752	1,589	2,704	6,653	8,056	8,571	10,776	9,056	3,550	1,798	10.1
Owner Occupied	38,403	1,224	1,978	4,783	6,237	6,737	8,024	6,328	1,785	1,307	9.3
Nonowner Occupied	12,273	332	486	1,453	1,426	1,491	2,435	2,442	Q	472	19.7
Unoccupied	2,077	Q	Q	417	393	344	317	Q	Q	Q	28.8
Government Owned	15,124	Q	904	2,059	2,365	4,041	3,237	1,093	588	704	16.9
Energy-Related Space Functions (more than one may apply)											
Commercial Food Preparation	22,166	495	1,334	2,225	2,849	4,924	5,067	3,197	1,217	859	13.6
Computer Room	14,199	Q	673	1,439	1,436	3,057	2,857	2,954	794	811	16.5
Rooms with Special Ventilation	8,042	Q	Q	1,030	1,051	1,840	1,951	995	367	437	18.4
Activity with Large Amounts of Hot Water	6,862	Q	Q	803	908	1,244	1,856	993	371	454	21.1

See footnotes at end of table.

Table A11. Year Constructed, Floorspace, 1992 (Continued)

(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.5	1.6	1.1	0.9	0.9	0.7	0.9	1.5	1.2	
Percent of Floorspace Heated											
Not Heated	6,211	Q	325	1,119	1,053	1,084	1,292	774	262	199	25.1
1 to 50	11,195	332	764	2,015	1,495	2,040	1,966	1,666	638	279	22.1
51 to 99	10,211	313	590	1,208	1,581	2,061	2,039	1,636	438	345	17.0
100	40,260	973	1,930	4,371	6,292	7,427	8,716	6,073	2,799	1,679	10.5
Percent of Floorspace Cooled											
Not Cooled	10,835	414	849	2,126	2,161	2,011	1,728	925	377	244	15.7
1 to 50	21,715	828	1,555	3,240	3,942	3,604	3,881	3,242	891	534	14.4
51 to 99	13,872	228	679	1,492	1,636	3,167	3,035	2,339	706	590	16.2
100	21,454	251	526	1,853	2,682	3,830	5,370	3,643	2,164	1,134	13.9
Percent Lit when Open											
Not Lit	3,280	Q	321	654	554	457	630	422	Q	Q	26.4
1 to 50	9,980	652	1,175	1,584	1,862	1,523	1,414	1,258	231	280	18.3
51 to 99	14,224	429	946	1,535	2,115	2,264	2,982	1,950	Q	413	16.1
100	40,393	560	1,166	4,939	5,890	8,369	8,988	6,519	2,226	1,737	10.4
Heating Equipment (more than one may apply)											
Heat Pumps	8,269	Q	Q	619	1,013	1,055	1,783	2,290	672	534	20.9
Furnaces	16,909	511	1,043	2,659	3,131	3,367	2,982	2,308	586	323	15.4
Individual Space Heaters	22,380	530	1,286	2,345	3,173	3,862	5,434	4,022	961	768	13.6
District Heat	5,225	91	255	1,125	545	1,363	972	524	149	202	22.8
Boilers	20,664	852	1,644	2,541	3,926	4,027	3,734	1,972	Q	544	14.6
Packaged Heating Units	16,000	Q	536	1,271	1,740	3,226	3,911	3,154	1,152	893	16.5
Other	903	Q	Q	Q	Q	Q	231	Q	Q	Q	36.4
Heating Distribution Equipment (more than one may apply)											
Radiators or Baseboards	13,263	773	1,569	2,737	2,556	2,296	1,994	839	246	252	16.1
Ducts for Heating	45,422	777	2,016	4,768	6,517	8,893	9,566	7,458	3,423	2,004	11.0
Heating Only	5,950	236	398	1,114	1,144	1,594	852	487	Q	Q	24.2
Heating and Cooling	39,472	541	1,617	3,655	5,373	7,298	8,715	6,971	3,337	1,965	11.5
Variable Air-Volume System	11,528	Q	463	624	874	2,273	2,108	2,388	Q	856	21.3
Fan Coil Units for Heating	5,474	Q	324	719	932	1,125	1,219	648	Q	186	24.5
Heating Only	3,569	Q	Q	420	817	548	686	478	Q	168	32.6
Heating and Cooling	1,906	Q	Q	298	Q	577	533	Q	Q	Q	32.0
Individual Space Heaters	22,380	530	1,286	2,345	3,173	3,862	5,434	4,022	961	768	13.6
Other	3,310	Q	Q	356	746	764	526	432	Q	Q	29.7
Cooling Equipment (more than one may apply)											
Residential-Type Central											
Air Conditioners	9,021	232	702	1,441	1,770	1,528	1,800	992	365	190	16.9
Heat Pumps	8,406	Q	193	672	963	1,170	1,807	2,224	697	562	21.0
Individual Air Conditioners	17,979	702	1,675	3,223	3,183	3,603	2,586	1,630	Q	108	17.1
District Chilled Water	2,066	Q	Q	Q	241	376	632	184	Q	164	33.7
Central Chillers	12,991	Q	242	847	1,551	3,032	3,306	1,839	Q	571	18.5
Packaged Air-Conditioning											
Units	27,830	643	1,272	2,905	3,537	5,411	6,494	4,788	1,550	1,230	12.4
Swamp Coolers	2,085	Q	Q	186	285	510	386	428	Q	Q	38.0
Other	268	Q	Q	Q	Q	Q	Q	Q	Q	Q	87.2
Cooling Distribution Equipment (more than one may apply)											
Ducts for Cooling	47,755	995	2,075	4,804	6,681	8,567	10,517	8,288	3,651	2,177	10.7
Cooling Only	8,283	454	457	1,149	1,308	1,269	1,802	1,317	315	212	19.5
Heating and Cooling	39,472	541	1,617	3,655	5,373	7,298	8,715	6,971	3,337	1,965	11.5
Variable Air-Volume System	12,430	Q	382	805	882	1,853	2,715	2,739	1,981	973	20.0
Fan Coil Units for Cooling	3,875	Q	Q	545	271	922	1,139	464	Q	89	31.4
Cooling Only	1,969	Q	Q	Q	Q	346	606	Q	Q	Q	45.9
Heating and Cooling	1,906	Q	Q	298	Q	577	533	Q	Q	Q	32.0
Individual Air Conditioners	17,979	702	1,675	3,223	3,183	3,603	2,586	1,630	Q	108	17.1
Other	2,919	Q	Q	249	284	768	1,109	282	Q	Q	37.5

See footnotes at end of table.

Table A11. Year Constructed, Floorspace, 1992 (Continued)

(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Year Constructed									RSE Row Factor
		1899 or Before	1900 to 1919	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1986	1987 to 1989	1990 to 1992	
RSE Column Factor:	0.4	1.5	1.6	1.1	0.9	0.9	0.7	0.9	1.5	1.2	
Lighting Equipment Types (more than one may apply)											
Incandescent	39,221	1,303	2,412	5,674	6,729	7,220	7,853	5,131	1,592	1,305	10.1
Standard Fluorescent	62,074	1,515	3,227	7,697	9,166	11,720	13,070	9,475	3,959	2,244	9.7
Compact Fluorescent	8,336	Q	349	837	639	1,764	1,958	1,425	509	719	20.7
High-Intensity Discharge	17,570	Q	504	1,798	2,116	3,382	3,734	3,503	1,180	1,217	16.3
Other	1,612	Q	Q	Q	Q	Q	293	469	Q	110	35.4
Personal Computers and/or Computer Terminals											
1 to 4	13,355	353	807	1,773	2,349	1,975	3,168	1,941	569	419	13.1
5 to 9	5,970	Q	309	442	816	1,001	1,444	1,171	381	261	18.7
10 to 19	6,236	Q	Q	807	909	1,390	1,182	1,150	340	242	25.1
20 to 49	7,439	Q	299	883	1,311	1,552	1,419	1,138	430	345	23.0
50 to 99	4,908	Q	Q	392	842	1,019	1,154	845	186	148	25.4
100 to 249	4,220	Q	Q	790	346	1,050	1,023	466	171	197	27.9
250 or More	5,569	Q	Q	374	291	1,388	1,229	1,199	411	413	26.3
Building Shell Conservation Features (more than one may apply)											
Roof or Ceiling Insulation	50,311	942	2,259	4,929	6,957	9,567	11,395	8,439	3,633	2,190	10.2
Wall Insulation	33,240	561	1,210	2,187	3,300	5,498	8,182	7,208	3,219	1,877	11.6
Storm or Multiple Glazing	29,684	1,036	1,679	3,317	3,474	4,124	5,638	5,557	3,174	1,685	12.3
Tinted, Reflective or Shading Glass	25,396	379	630	1,556	2,887	4,740	5,603	5,418	2,509	1,674	15.7
Exterior or Interior Shading or Awnings	34,071	726	1,312	3,922	4,926	6,096	6,763	5,793	2,794	1,740	12.3
Windows that Open	28,937	1,215	2,297	4,759	6,211	5,654	4,703	2,750	827	520	12.4
HVAC Conservation Features (more than one may apply)											
Variable Air-Volume System	13,970	Q	572	896	1,121	2,511	2,822	2,960	2,009	975	20.4
Economizer Cycle	18,313	Q	1,007	1,185	1,500	3,321	4,374	3,338	2,297	1,168	17.1
HVAC Maintenance	49,173	1,210	2,617	5,126	6,608	9,595	10,356	8,099	3,530	2,034	10.4
Lighting Conservation Features (more than one may apply)											
Specular Reflectors	15,241	276	739	1,752	1,676	2,865	3,476	2,556	863	1,037	15.3
Natural Lighting Control Sensors	3,072	Q	Q	Q	375	355	1,081	442	205	377	25.3
Occupancy Sensors	3,629	Q	Q	207	296	771	868	790	Q	239	25.4
Time Clock	12,104	180	371	852	1,013	1,808	2,878	2,514	Q	706	20.8
Manual Dimmer Switches	12,329	391	534	988	1,572	2,413	3,082	1,979	655	715	16.8
Other	2,596	Q	Q	Q	181	610	677	395	Q	209	29.5
Energy Conservation Features (more than one may apply)											
Any Conservation Features	64,403	1,662	3,325	7,841	9,752	12,053	13,464	9,842	4,044	2,419	9.6
Building Shell	62,056	1,620	3,269	7,532	9,484	11,695	12,754	9,463	3,902	2,338	9.8
HVAC	50,281	1,229	2,662	5,313	6,726	9,812	10,636	8,199	3,602	2,103	10.2
Lighting	29,453	659	1,368	2,943	3,384	5,219	6,680	5,052	2,519	1,627	13.1
Other	5,952	Q	406	604	677	1,247	1,430	860	325	275	20.6
Demand-Side Management Programs (more than one may apply)											
Building Shell Program	1,079	Q	Q	Q	Q	212	259	Q	Q	Q	33.9
HVAC Program	6,370	Q	189	741	629	1,497	1,637	948	340	330	22.0
Lighting Program	8,805	144	374	871	1,105	2,236	2,314	962	397	402	19.9
Other DSM Programs	6,176	Q	Q	583	701	1,729	1,457	744	352	353	25.2

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

Notes: • To obtain 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 A12. Floors, Number of Buildings and Floorspace, 1992

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or more Floors	All Buildings	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or more Floors	
	0.5	0.8	0.8	1.1	1.4	1.8	0.6	1.0	0.9	1.1	1.2	1.6	
All Buildings	4,806	3,007	1,154	446	186	13	67,876	25,424	18,025	9,877	10,377	4,173	6.6
Building Floorspace (square feet)													
1,001 to 5,000	2,681	2,009	518	133	Q	Q	7,327	5,331	1,508	412	Q	Q	9.1
5,001 to 10,000	975	525	282	121	47	Q	7,199	3,834	2,121	898	345	Q	8.7
10,001 to 25,000	647	310	211	100	26	Q	10,375	4,916	3,434	1,630	391	Q	10.8
25,001 to 50,000	280	103	81	54	42	Q	10,069	3,634	2,913	1,960	1,538	Q	12.1
50,001 to 100,000	116	36	35	22	21	Q	8,062	2,484	2,421	1,562	1,491	Q	13.0
100,001 to 200,000	71	18	20	11	18	4	9,678	2,409	2,617	1,567	2,486	598	16.2
200,001 to 500,000	26	5	4	4	10	4	7,889	1,315	1,252	1,125	2,916	1,281	17.9
Over 500,000	9	Q	2	1	1	3	7,278	Q	1,759	723	1,134	2,159	26.1
Principal Building Activity													
Education	301	200	62	27	11	Q	8,470	2,823	2,217	2,200	1,171	Q	14.6
Food Sales	130	105	Q	Q	Q	Q	757	500	Q	Q	Q	Q	22.7
Food Service	260	165	57	31	Q	Q	1,491	763	343	226	Q	Q	16.6
Health Care	63	34	13	7	8	Q	1,763	190	152	140	925	356	26.6
Lodging	154	41	61	30	20	2	2,891	375	714	509	1,060	233	19.5
Mercantile and Service	1,272	893	259	102	18	Q	12,402	6,255	4,066	1,454	381	Q	13.1
Office	749	360	212	101	68	8	12,319	2,411	2,385	1,763	3,133	2,628	10.7
Parking Garage	24	Q	Q	Q	5	Q	1,652	Q	Q	Q	1,311	Q	31.9
Public Assembly	278	153	77	34	14	Q	4,556	Q	971	951	531	Q	18.0
Public Order and Safety	60	42	Q	Q	Q	Q	820	313	Q	Q	Q	Q	32.9
Religious Worship	366	184	145	33	Q	Q	3,747	1,073	1,788	698	Q	Q	18.2
Warehouse and Storage	761	589	139	25	8	Q	11,484	6,926	3,243	754	Q	Q	15.7
Other	69	40	18	Q	4	Q	1,130	220	476	Q	216	Q	25.4
Vacant	319	185	87	29	17	1	4,396	1,382	1,323	597	683	412	19.9
Year Constructed													
1899 or Before	169	Q	47	58	46	Q	1,721	Q	338	481	743	Q	20.3
1900 to 1919	255	52	89	75	38	Q	3,608	243	869	1,012	1,257	Q	21.4
1920 to 1945	724	323	227	135	37	3	8,712	2,381	1,964	2,067	1,810	490	13.9
1946 to 1959	880	584	214	65	15	Q	10,421	4,020	3,168	1,702	1,283	249	13.7
1960 to 1969	783	554	177	39	11	3	12,612	5,146	3,872	1,365	1,310	918	13.4
1970 to 1979	982	707	217	44	13	2	14,014	5,763	3,661	1,963	1,812	815	12.2
1980 to 1989	884	671	161	26	23	3	14,287	6,732	3,499	1,064	1,705	1,286	13.9
1990 to 1992	128	99	20	4	5	(*)	2,502	994	654	223	457	174	20.6
Census Region													
Northeast	771	329	213	153	72	4	13,400	2,834	3,564	2,807	2,847	1,348	13.7
Midwest	1,202	634	361	158	47	3	17,280	5,146	5,153	3,042	2,989	950	13.0
South	1,963	1,456	387	84	33	3	24,577	12,892	5,660	2,255	2,714	1,056	12.2
West	870	588	193	51	35	4	12,619	4,552	3,649	1,772	1,827	819	14.6
Energy Sources (more than one may apply)													
Electricity	4,616	2,848	1,132	438	185	13	66,549	24,572	17,879	9,710	10,256	4,132	6.7
Natural Gas	2,665	1,494	729	303	130	9	45,097	14,415	13,582	7,524	6,825	2,751	8.0
Fuel Oil	559	249	153	103	47	6	13,218	2,017	2,435	2,991	3,387	2,387	12.8
District Heat	95	33	18	15	27	3	5,339	488	470	744	2,263	1,374	18.6
District Chilled Water	28	8	7	4	9	1	2,066	160	234	226	848	599	28.5
Propane	337	230	76	23	Q	Q	3,393	1,503	918	641	300	Q	20.9
Any Other	163	112	32	15	Q	Q	1,551	494	465	427	Q	Q	27.0
Energy End Uses (more than one may apply)													
Heated Buildings	4,178	2,492	1,071	425	178	12	61,996	22,052	17,209	9,318	9,432	3,985	6.9
Air-Conditioned Buildings	3,502	2,065	915	354	155	12	57,041	19,852	15,749	8,622	8,755	4,063	7.2
Buildings with Water Heating	3,502	1,953	962	404	171	12	58,479	19,719	16,458	9,310	9,031	3,961	7.0
Buildings with Cooking	734	377	192	103	54	7	23,065	5,953	5,517	4,208	4,716	2,672	10.6
Buildings with Manufacturing	121	72	29	10	9	Q	3,174	1,257	998	471	401	Q	24.5

See footnotes at end of table.

Table A12. Floors, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or more Floors	All Buildings	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or more Floors	
	0.5	0.8	0.8	1.1	1.4	1.8	0.6	1.0	0.9	1.1	1.2	1.6	
Predominant Exterior Wall Material													
Masonry	3,115	1,802	824	336	145	8	48,585	17,203	13,092	7,951	8,076	2,264	7.7
Siding or Shingles	764	453	203	85	23	Q	3,873	1,705	1,333	595	186	Q	12.8
Metal Panels	745	653	82	Q	Q	Q	7,392	4,811	1,626	Q	Q	Q	14.9
Concrete Panels	87	49	18	12	8	1	4,961	1,243	1,528	673	1,096	420	21.7
Window Glass	46	20	14	5	5	2	2,028	183	168	228	379	1,070	28.1
Other	47	30	Q	Q	Q	1	1,037	279	Q	Q	Q	206	30.3
Predominant Roof Material													
Built-Up	1,642	981	405	174	74	8	30,257	10,988	7,768	4,967	4,565	1,970	9.4
Shingles (Not Wood)	1,381	781	405	148	46	Q	10,570	3,951	3,879	1,485	921	Q	10.4
Metal Surfacing	1,037	871	145	16	Q	Q	9,019	6,355	2,235	223	Q	Q	15.5
Synthetic or Rubber	386	180	108	64	30	4	11,702	2,588	2,987	2,278	2,594	1,256	13.3
Slate or Tile	155	73	35	27	19	Q	1,998	468	435	450	630	Q	22.1
Concrete	37	19	Q	4	7	1	2,544	328	Q	187	1,346	516	32.1
Other	167	102	49	13	Q	Q	1,786	747	554	288	Q	Q	25.7
Percent Window Glass													
25 or Less	4,193	2,717	981	363	127	5	51,356	22,587	13,872	7,257	6,511	1,129	7.6
26 to 50	490	240	137	63	45	5	11,815	2,293	3,526	1,805	2,671	1,521	12.4
51 to 75	94	38	28	17	8	2	3,206	380	475	730	749	872	19.9
76 to 100	29	Q	8	Q	5	1	1,499	Q	152	Q	446	651	28.4
Building Shape													
Square	280	171	77	22	8	2	3,654	1,230	698	447	547	732	18.3
Rectangle	3,659	2,381	830	312	129	8	39,233	17,350	10,179	4,125	5,567	2,012	7.6
Rectangle or Square with Courtyard	48	21	17	Q	2	Q	1,372	288	565	Q	308	Q	31.0
Right Angle	333	181	94	41	15	Q	6,071	1,833	2,147	1,233	622	Q	15.8
Other	485	252	136	64	32	3	17,547	4,724	4,436	3,889	3,332	1,166	13.3
Workers (main shift)													
Less than 5	2,718	1,922	553	193	49	Q	17,944	10,122	4,222	1,728	1,514	Q	10.5
5 to 9	895	555	230	79	31	Q	7,524	3,676	2,148	909	790	Q	12.3
10 to 19	561	290	181	57	33	Q	8,077	3,239	2,577	993	1,254	Q	13.1
20 to 49	405	175	128	74	26	Q	10,556	4,273	3,025	2,173	956	Q	11.5
50 to 99	130	47	40	25	17	Q	7,763	2,394	2,492	1,525	1,241	Q	16.7
100 to 249	64	14	18	12	18	2	7,378	1,165	2,318	1,486	2,070	338	17.8
250 or More	31	3	4	5	11	8	8,633	556	1,242	1,064	2,553	3,219	18.7
Weekly Operating Hours													
39 or Fewer	1,039	657	283	77	22	Q	8,246	3,592	2,516	1,088	706	Q	13.0
40 to 48	1,278	800	302	122	52	2	14,998	6,752	3,680	2,309	1,876	381	11.5
49 to 60	1,004	642	236	91	31	4	14,046	5,256	4,219	1,870	1,564	1,137	10.7
61 to 84	645	415	142	60	25	3	12,062	4,454	3,458	1,639	1,355	1,156	12.7
85 to 167	478	298	104	48	28	Q	8,467	2,673	2,556	1,547	1,321	Q	14.6
Open Continuously	362	196	86	49	29	3	10,057	2,697	1,598	1,423	3,555	785	14.8
Ownership and Occupancy													
Nongovernment Owned	4,206	2,626	1,022	393	154	11	52,752	21,067	14,328	6,838	7,068	3,451	7.1
Owner Occupied	3,192	1,945	805	313	122	8	38,403	13,597	11,140	5,355	5,794	2,517	7.6
Nonowner Occupied	817	542	177	66	30	2	12,273	6,536	2,697	1,262	1,029	749	13.8
Unoccupied	197	140	40	Q	Q	Q	2,077	934	491	Q	Q	Q	20.7
Government Owned	599	380	132	53	32	2	15,124	4,357	3,697	3,039	3,309	722	12.9
Lighting Equipment Types (more than one may apply)													
Incandescent	2,509	1,293	744	317	143	11	39,221	10,327	11,064	7,073	7,278	3,478	7.7
Standard Fluorescent	4,065	2,439	1,033	404	176	13	62,074	21,851	17,252	9,453	9,523	3,994	6.7
Compact Fluorescent	206	93	44	35	30	5	8,336	1,204	1,776	1,189	2,498	1,667	15.2
High-Intensity Discharge	354	183	111	30	26	4	17,570	4,781	5,174	2,683	3,263	1,668	11.6
Other	78	47	23	Q	Q	Q	1,612	639	359	Q	Q	Q	27.9

See footnotes at end of table.

Table A12. Floors, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or more Floors	All Buildings	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or more Floors	
	0.5	0.8	0.8	1.1	1.4	1.8	0.6	1.0	0.9	1.1	1.2	1.6	
Building Shell Conservation Features (more than one may apply)													
Roof or Ceiling Insulation	3,343	2,010	857	330	137	9	50,311	18,135	14,282	7,957	6,810	3,128	7.0
Wall Insulation	2,320	1,434	600	195	84	6	33,240	12,123	9,741	4,581	4,326	2,469	8.5
Storm or Multiple Glazing	1,680	796	498	265	114	7	29,684	8,610	8,019	5,358	5,368	2,329	9.1
Tinted, Reflective or Shading Glass	1,068	604	300	103	53	8	25,396	7,551	6,991	3,749	4,340	2,765	10.7
Exterior or Interior Shading or Awnings	1,853	992	530	223	99	9	34,071	10,608	9,124	5,459	5,945	2,935	8.5
Windows that Open	2,119	1,159	547	276	130	6	28,937	8,652	7,540	5,499	5,615	1,632	9.3
HVAC Conservation Features (more than one may apply)													
Variable Air-Volume System	250	111	67	33	32	6	13,970	2,678	3,071	2,315	3,424	2,482	14.7
Economizer Cycle	414	176	129	61	41	8	18,313	3,944	4,629	3,045	3,772	2,923	12.3
HVAC Maintenance	2,503	1,357	687	305	140	13	49,173	14,958	13,699	8,222	8,204	4,091	7.5
Lighting Conservation Features (more than one may apply)													
Specular Reflectors	574	282	169	78	39	6	15,241	3,717	3,893	2,616	3,135	1,880	12.3
Natural Lighting Control Sensors	74	28	23	12	10	1	3,072	383	874	431	1,058	326	21.8
Occupancy Sensors	59	23	19	8	7	1	3,629	407	827	400	1,189	806	20.6
Time Clock	339	137	115	54	28	4	12,104	2,746	3,264	2,141	2,247	1,707	15.9
Manual Dimmer Switches	413	143	143	69	53	5	12,329	1,375	3,648	2,056	3,284	1,967	12.8
Other	78	34	23	10	11	1	2,596	529	595	389	789	294	20.9
Energy Conservation Features (more than one may apply)													
Any Conservation Features	4,357	2,620	1,105	435	184	13	64,403	22,938	17,520	9,776	9,997	4,173	6.9
Building Shell	4,223	2,530	1,077	424	179	13	62,056	22,066	17,097	9,558	9,289	4,046	6.9
HVAC	2,604	1,414	719	313	145	13	50,281	15,331	14,092	8,398	8,360	4,100	7.3
Lighting	1,178	541	368	166	93	10	29,453	7,256	7,994	5,049	5,841	3,313	9.4
Other	264	128	82	36	15	2	5,952	1,563	1,866	873	1,182	468	15.4

(*) = 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 A13. Predominant Exterior Wall Material, Number of Buildings, 1992
(Thousand)

Building Characteristics	Buildings by Exterior Wall Material							RSE Row Factor
	All Buildings	Masonry	Siding or Shingles	Metal Panels	Concrete Panels	Window Glass	Other	
	0.4	0.5	0.9	1.0	1.3	1.8	2.3	
All Buildings	4,806	3,115	764	745	87	46	47	8.4
Building Floorspace (square feet)								
1,001 to 5,000	2,681	1,573	595	457	Q	Q	Q	10.8
5,001 to 10,000	975	675	105	155	14	Q	Q	12.3
10,001 to 25,000	647	488	48	85	20	Q	Q	13.6
25,001 to 50,000	280	211	13	31	16	8	Q	18.8
50,001 to 100,000	116	94	Q	6	11	Q	Q	16.9
100,001 to 200,000	71	48	Q	8	8	2	Q	22.4
200,001 to 500,000	26	19	Q	1	4	1	Q	22.2
Over 500,000	9	7	Q	1	1	1	Q	41.2
Principal Building Activity								
Education	301	233	43	17	4	Q	Q	21.8
Food Sales	130	99	Q	Q	Q	Q	Q	32.7
Food Service	260	186	60	Q	Q	Q	Q	19.5
Health Care	63	47	Q	Q	Q	Q	Q	33.3
Lodging	154	114	34	Q	Q	Q	Q	25.7
Mercantile and Service	1,272	805	176	250	14	Q	Q	12.2
Office	749	542	122	44	15	14	12	15.3
Parking Garage	24	14	Q	Q	Q	Q	Q	59.6
Public Assembly	278	186	56	26	Q	Q	Q	20.0
Public Order and Safety	60	47	Q	Q	Q	Q	Q	41.9
Religious Worship	366	264	89	Q	Q	Q	Q	21.2
Warehouse and Storage	761	326	93	303	27	Q	Q	15.4
Other	69	43	Q	21	Q	Q	Q	38.5
Vacant	319	210	55	39	5	Q	Q	21.5
Year Constructed								
1899 or Before	169	126	43	Q	Q	Q	Q	27.3
1900 to 1919	255	189	60	Q	Q	Q	Q	22.5
1920 to 1945	724	528	137	48	Q	Q	Q	15.6
1946 to 1959	880	667	121	71	Q	Q	Q	14.9
1960 to 1969	783	548	106	106	14	6	Q	16.7
1970 to 1979	982	550	141	229	27	18	17	13.9
1980 to 1989	884	447	132	255	27	9	13	13.9
1990 to 1992	128	61	26	33	6	Q	Q	29.0
Census Region								
Northeast	771	503	176	68	6	12	6	18.4
Midwest	1,202	759	198	215	12	Q	9	16.6
South	1,963	1,261	257	372	36	18	19	13.3
West	870	592	133	90	34	8	13	20.4
Energy Sources (more than one may apply)								
Electricity	4,616	3,035	715	691	85	43	46	8.3
Natural Gas	2,665	1,951	320	292	50	27	26	10.7
Fuel Oil	559	373	114	48	5	9	10	18.9
District Heat	95	77	Q	6	7	1	Q	26.4
District Chilled Water	28	25	Q	Q	2	Q	Q	35.9
Propane	337	155	101	74	Q	Q	Q	25.1
Any Other	163	73	41	45	Q	Q	Q	24.7
Energy End Uses (more than one may apply)								
Heated Buildings	4,178	2,850	635	533	76	41	42	8.5
Air-Conditioned Buildings	3,502	2,491	473	394	71	38	35	8.8
Buildings with Water Heating	3,502	2,465	514	380	74	39	30	8.7
Buildings with Cooking	734	546	125	31	15	15	1	15.3
Buildings with Manufacturing	121	74	Q	28	6	Q	Q	28.0

See footnotes at end of table.

Table A13. Predominant Exterior Wall Material, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Exterior Wall Material						RSE Row Factor
		Masonry	Siding or Shingles	Metal Panels	Concrete Panels	Window Glass	Other	
RSE Column Factor:	0.4	0.5	0.9	1.0	1.3	1.8	2.3	
Predominant Roof Material								
Built-Up	1,642	1,470	68	29	46	18	11	14.3
Shingles (Not Wood)	1,381	865	448	39	6	Q	Q	15.4
Metal Surfacing	1,037	209	136	660	17	Q	Q	16.0
Synthetic or Rubber	386	318	39	5	12	8	Q	22.1
Slate or Tile	155	124	30	Q	Q	Q	Q	24.5
Concrete	37	32	Q	Q	4	Q	Q	46.4
Other	167	97	42	Q	Q	Q	Q	30.1
Percent Window Glass								
25 or Less	4,193	2,662	694	724	75	Q	36	8.6
26 to 50	490	376	61	20	11	16	Q	17.0
51 to 75	94	62	Q	Q	1	20	Q	26.8
76 to 100	29	15	Q	Q	Q	9	4	32.5
Building Shape								
Square	280	193	43	32	5	Q	Q	21.1
Rectangle	3,659	2,300	586	647	64	34	29	9.2
Rectangle or Square with Courtyard	48	39	Q	Q	Q	Q	Q	45.8
Right Angle	333	247	49	28	7	Q	Q	18.3
Other	485	336	84	33	12	8	13	17.2
Ownership and Occupancy								
Nongovernment Owned	4,206	2,707	675	669	75	38	43	8.8
Owner Occupied	3,192	2,015	548	525	42	25	39	9.8
Nonowner Occupied	817	570	87	115	29	11	4	16.3
Unoccupied	197	122	39	29	Q	Q	Q	25.0
Government Owned	599	408	90	75	13	9	Q	17.5
Building Shell Conservation Features (more than one may apply)								
Roof or Ceiling Insulation	3,343	2,222	523	477	62	28	33	9.7
Wall Insulation	2,320	1,292	476	452	46	22	32	10.5
Storm or Multiple Glazing	1,680	1,134	343	148	26	13	15	12.0
Tinted, Reflective or Shading Glass	1,068	797	116	86	40	21	9	14.2
Exterior or Interior Shading or Awnings	1,853	1,300	301	164	37	28	23	11.1
Windows that Open	2,119	1,393	458	232	14	6	Q	12.2
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	250	188	21	16	12	9	4	19.1
Economizer Cycle	414	305	34	39	17	10	10	17.1
HVAC Maintenance	2,503	1,769	344	271	61	31	27	9.8
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	574	366	74	103	22	7	2	16.9
Natural Lighting Control Sensors	74	51	Q	Q	3	3	Q	31.9
Occupancy Sensors	59	38	Q	Q	4	Q	Q	29.2
Time Clock	339	256	34	14	14	12	9	19.4
Manual Dimmer Switches	413	301	86	9	9	5	Q	19.3
Other	78	50	Q	Q	5	Q	Q	33.7
Energy Conservation Features (more than one may apply)								
Any Conservation Features	4,357	2,905	696	587	83	41	44	8.8
Building Shell	4,223	2,821	683	560	77	39	42	8.9
HVAC	2,604	1,838	356	289	63	31	27	9.5
Lighting	1,178	810	171	124	40	17	16	11.5
Other	264	176	47	31	4	Q	Q	23.1

See footnotes at end of table.

Table A13. Predominant Exterior Wall Material, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Exterior Wall Material						RSE Row Factor
		Masonry	Siding or Shingles	Metal Panels	Concrete Panels	Window Glass	Other	
RSE Column Factor:	0.4	0.5	0.9	1.0	1.3	1.8	2.3	
Demand-Side Management Programs (more than one may apply)								
Building Shell Program	36	25	Q	Q	Q	Q	Q	43.3
HVAC Program	154	113	16	14	5	2	Q	24.8
Lighting Program	228	157	34	20	8	4	5	22.4
Other DSM Programs	110	84	Q	9	5	1	Q	25.5

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 A14. Predominant Exterior Wall Material, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Exterior Wall Material						RSE Row Factor
		Masonry	Siding or Shingles	Metal Panels	Concrete Panels	Window Glass	Other	
RSE Column Factor:	0.4	0.5	0.9	1.1	1.4	1.4	2.2	
All Buildings	67,876	48,585	3,873	7,392	4,961	2,028	1,037	9.1
Building Floorspace (square feet)								
1,001 to 5,000	7,327	4,401	1,536	1,255	Q	Q	Q	10.2
5,001 to 10,000	7,199	5,001	730	1,158	108	Q	Q	11.4
10,001 to 25,000	10,375	7,867	750	1,345	325	Q	Q	12.3
25,001 to 50,000	10,069	7,545	469	1,120	576	283	Q	19.0
50,001 to 100,000	8,062	6,552	Q	426	736	Q	Q	16.0
100,001 to 200,000	9,678	6,649	Q	1,158	1,033	286	Q	21.8
200,001 to 500,000	7,889	5,666	Q	366	1,282	377	Q	22.9
Over 500,000	7,278	4,905	Q	565	Q	726	Q	37.7
Principal Building Activity								
Education	8,470	7,714	120	145	379	Q	Q	19.8
Food Sales	757	607	Q	Q	Q	Q	Q	32.8
Food Service	1,491	1,156	282	Q	Q	Q	Q	23.7
Health Care	1,763	1,587	Q	Q	Q	Q	Q	26.5
Lodging	2,891	2,412	230	Q	Q	Q	Q	25.7
Mercantile and Service	12,402	9,035	686	1,567	886	Q	Q	16.6
Office	12,319	7,717	724	782	1,203	1,394	499	15.5
Parking Garage	1,652	1,329	Q	Q	230	Q	Q	47.8
Public Assembly	4,556	3,471	405	379	Q	Q	Q	44.8
Public Order and Safety	820	627	Q	Q	Q	Q	Q	51.3
Religious Worship	3,747	3,216	440	Q	Q	Q	Q	24.6
Warehouse and Storage	11,484	5,995	518	3,629	1,154	Q	Q	18.2
Other	1,130	636	Q	258	Q	Q	Q	34.3
Vacant	4,396	3,082	274	418	235	Q	Q	26.1
Year Constructed								
1899 or Before	1,721	1,483	193	Q	Q	Q	Q	26.8
1900 to 1919	3,608	3,286	236	Q	Q	Q	Q	28.4
1920 to 1945	8,712	7,530	588	395	Q	Q	Q	21.3
1946 to 1959	10,421	8,651	579	898	Q	Q	Q	20.7
1960 to 1969	12,612	8,536	560	1,395	1,502	463	Q	20.1
1970 to 1979	14,014	9,277	717	1,881	1,510	408	220	14.1
1980 to 1989	14,287	8,296	894	2,488	1,197	887	524	16.1
1990 to 1992	2,502	1,526	105	244	464	76	Q	20.9
Census Region								
Northeast	13,400	9,981	1,008	930	1,003	372	106	18.8
Midwest	17,280	12,914	1,017	1,774	741	524	310	15.4
South	24,577	17,174	1,052	3,900	1,461	709	281	15.2
West	12,619	8,517	796	789	1,755	423	Q	17.7
Energy Sources (more than one may apply)								
Electricity	66,549	47,832	3,647	7,131	4,906	2,008	1,024	9.2
Natural Gas	45,097	34,380	1,965	3,455	3,557	1,024	716	10.8
Fuel Oil	13,218	9,622	631	699	1,077	839	350	15.1
District Heat	5,339	3,769	Q	331	699	Q	Q	25.3
District Chilled Water	2,066	1,630	Q	Q	221	Q	Q	29.1
Propane	3,393	2,042	453	742	Q	Q	Q	24.9
Any Other	1,551	1,123	138	198	Q	Q	Q	30.7
Energy End Uses (more than one may apply)								
Heated Buildings	61,996	45,520	3,303	5,682	4,663	1,839	988	9.4
Air-Conditioned Buildings	57,041	42,084	2,625	4,854	4,563	1,978	938	9.9
Buildings with Water Heating	58,479	43,361	2,908	4,844	4,595	1,831	940	9.6
Buildings with Cooking	23,065	18,177	911	677	1,998	993	309	16.0
Buildings with Manufacturing	3,174	2,112	Q	617	298	Q	Q	26.0

See footnotes at end of table.

Table A14. Predominant Exterior Wall Material, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Exterior Wall Material						RSE Row Factor
		Masonry	Siding or Shingles	Metal Panels	Concrete Panels	Window Glass	Other	
RSE Column Factor:	0.4	0.5	0.9	1.1	1.4	1.4	2.2	
Predominant Roof Material								
Built-Up	30,257	24,929	507	1,097	2,417	768	540	15.8
Shingles (Not Wood)	10,570	7,856	2,011	191	190	Q	Q	16.0
Metal Surfacing	9,019	2,162	787	5,512	385	Q	Q	16.8
Synthetic or Rubber	11,702	8,832	187	345	1,498	675	165	19.6
Slate or Tile	1,998	1,801	167	Q	Q	Q	Q	26.9
Concrete	2,544	1,952	Q	Q	346	Q	Q	39.7
Other	1,786	1,054	206	Q	Q	Q	Q	29.9
Percent Window Glass								
25 or Less	51,356	36,972	3,282	7,026	3,639	Q	358	9.5
26 to 50	11,815	9,265	502	257	1,157	316	Q	20.1
51 to 75	3,206	1,923	Q	Q	135	820	Q	18.4
76 to 100	1,499	426	Q	Q	Q	813	224	29.5
Building Shape								
Square	3,654	2,733	193	229	202	Q	Q	19.7
Rectangle	39,233	26,511	2,655	5,820	2,673	1,115	458	10.0
Rectangle or Square with Courtyard	1,372	1,105	Q	Q	Q	Q	Q	37.7
Right Angle	6,071	4,836	272	560	310	Q	Q	23.2
Other	17,547	13,400	713	711	1,705	523	495	18.5
Ownership and Occupancy								
Nongovernment Owned	52,752	36,656	3,519	6,591	3,235	1,736	1,015	9.6
Owner Occupied	38,403	26,445	2,935	5,126	1,890	1,202	804	9.9
Nonowner Occupied	12,273	8,944	394	1,197	1,166	380	192	17.9
Unoccupied	2,077	1,267	190	268	Q	Q	Q	30.6
Government Owned	15,124	11,929	354	801	1,726	292	Q	18.7
Building Shell Conservation Features (more than one may apply)								
Roof or Ceiling Insulation	50,311	36,344	2,783	5,129	3,871	1,413	771	9.7
Wall Insulation	33,240	21,698	2,499	4,779	2,250	1,163	850	10.4
Storm or Multiple Glazing	29,684	21,861	2,044	2,319	1,989	991	481	11.9
Tinted, Reflective or Shading Glass	25,396	17,813	804	1,557	3,102	1,401	719	14.4
Exterior or Interior Shading or Awnings	34,071	25,497	1,744	2,148	2,617	1,333	732	10.6
Windows that Open	28,937	22,916	2,050	2,227	1,312	239	Q	16.3
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	13,970	9,433	195	720	1,934	1,120	568	20.7
Economizer Cycle	18,313	12,976	411	1,069	2,316	1,070	472	16.6
HVAC Maintenance	49,173	36,110	2,189	3,869	4,195	1,938	872	10.4
Lighting Conservation Features (more than one may apply)								
Specular Reflectors	15,241	9,954	666	1,741	1,891	737	253	14.9
Natural Lighting Control Sensors	3,072	2,253	Q	Q	339	159	Q	22.1
Occupancy Sensors	3,629	2,100	Q	Q	609	296	Q	20.2
Time Clock	12,104	8,270	368	411	1,665	836	554	21.9
Manual Dimmer Switches	12,329	8,681	771	387	1,257	962	271	19.2
Other	2,596	1,748	Q	Q	416	Q	Q	24.0
Energy Conservation Features (more than one may apply)								
Any Conservation Features	64,403	46,720	3,562	6,355	4,754	2,000	1,011	9.3
Building Shell	62,056	45,091	3,510	6,093	4,485	1,879	999	9.3
HVAC	50,281	37,029	2,238	3,995	4,209	1,938	872	10.2
Lighting	29,453	20,672	1,373	2,052	3,120	1,492	744	12.7
Other	5,952	4,601	298	516	317	152	Q	19.2

See footnotes at end of table.

Table A14. Predominant Exterior Wall Material, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace of All Buildings	Floorspace by Exterior Wall Material						RSE Row Factor
		Masonry	Siding or Shingles	Metal Panels	Concrete Panels	Window Glass	Other	
RSE Column Factor:	0.4	0.5	0.9	1.1	1.4	1.4	2.2	
Demand-Side Management Programs (more than one may apply)								
Building Shell Program	1,079	793	Q	Q	Q	Q	Q	35.4
HVAC Program	6,370	4,528	213	328	779	335	Q	24.0
Lighting Program	8,805	6,074	316	406	1,342	399	269	18.1
Other DSM Programs	6,176	4,084	Q	283	1,285	317	Q	21.8

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

Notes: • To obtain 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 A15. Predominant Roof Material, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Buildings by Roof Material							RSE Row Factor
		Built-Up	Shingles (Not Wood)	Metal Surfacing	Synthetic or Rubber Roofing	Slate or Tile	Concrete	Other	
RSE Column Factor:	0.4	0.6	0.7	0.9	0.9	1.4	2.6	1.7	
All Buildings	4,806	1,642	1,381	1,037	386	155	37	167	7.7
Building Floorspace (square feet)									
1,001 to 5,000	2,681	772	927	648	140	75	Q	108	11.5
5,001 to 10,000	975	369	250	209	79	38	Q	29	11.6
10,001 to 25,000	647	265	137	122	75	25	Q	15	12.9
25,001 to 50,000	280	124	49	39	39	12	Q	11	17.0
50,001 to 100,000	116	55	11	11	30	4	Q	Q	20.4
100,001 to 200,000	71	41	5	8	11	Q	3	Q	22.5
200,001 to 500,000	26	12	1	Q	10	Q	2	Q	22.7
Over 500,000	9	5	Q	Q	2	Q	1	Q	36.9
Principal Building Activity									
Education	301	127	68	34	41	16	Q	14	20.0
Food Sales	130	62	29	Q	Q	Q	Q	Q	32.9
Food Service	260	109	77	29	20	Q	Q	Q	22.2
Health Care	63	25	19	Q	6	Q	Q	Q	37.8
Lodging	154	56	66	Q	9	10	Q	Q	24.3
Mercantile and Service	1,272	490	285	330	102	Q	Q	44	11.3
Office	749	279	258	63	85	34	Q	28	14.5
Parking Garage	24	Q	Q	Q	Q	Q	7	Q	24.8
Public Assembly	278	62	107	44	26	18	Q	19	19.6
Public Order and Safety	60	20	Q	Q	8	Q	Q	Q	34.2
Religious Worship	366	37	256	29	Q	25	Q	Q	21.3
Warehouse and Storage	761	219	113	362	36	Q	Q	Q	16.0
Other	69	16	Q	24	12	Q	Q	Q	36.4
Vacant	319	138	70	75	20	Q	Q	Q	20.1
Year Constructed									
1899 or Before	169	53	56	Q	20	17	Q	Q	25.7
1900 to 1919	255	93	93	Q	26	14	Q	Q	22.8
1920 to 1945	724	294	222	75	62	33	Q	33	16.1
1946 to 1959	880	375	269	99	79	25	Q	27	15.9
1960 to 1969	783	328	206	146	55	22	6	20	14.7
1970 to 1979	982	287	285	285	59	Q	7	40	13.4
1980 to 1989	884	195	217	345	67	22	12	27	14.2
1990 to 1992	128	17	33	50	17	Q	1	Q	27.7
Census Region									
Northeast	771	226	278	106	100	40	2	19	14.5
Midwest	1,202	346	369	269	152	23	5	38	14.6
South	1,963	665	532	537	98	45	20	65	12.7
West	870	405	202	126	35	47	9	46	19.0
Energy Sources (more than one may apply)									
Electricity	4,616	1,596	1,347	947	378	153	35	160	7.6
Natural Gas	2,665	1,042	755	404	267	87	17	92	9.2
Fuel Oil	559	169	190	85	73	22	2	16	18.3
District Heat	95	40	10	11	14	13	Q	Q	26.9
District Chilled Water	28	11	Q	Q	6	Q	Q	Q	36.0
Propane	337	55	137	112	14	Q	Q	Q	25.6
Any Other	163	29	50	59	Q	Q	Q	Q	25.8
Energy End Uses (more than one may apply)									
Heated Buildings	4,178	1,489	1,246	763	368	140	22	150	7.6
Air-Conditioned Buildings	3,502	1,319	1,025	576	318	113	27	124	8.3
Buildings with Water Heating	3,502	1,284	1,044	554	328	136	20	135	8.0
Buildings with Cooking	734	285	232	74	80	22	7	33	13.3
Buildings with Manufacturing	121	50	18	36	13	Q	Q	Q	28.7

See footnotes at end of table.

Table A15. Predominant Roof Material, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	Buildings by Roof Material								RSE Row Factor
	All Buildings	Built-Up	Shingles (Not Wood)	Metal Surfacing	Synthetic or Rubber Roofing	Slate or Tile	Concrete	Other	
RSE Column Factor:	0.4	0.6	0.7	0.9	0.9	1.4	2.6	1.7	
Predominant Exterior Wall Material									
Masonry	3,115	1,470	865	209	318	124	32	97	8.7
Siding or Shingles	764	68	448	136	39	30	Q	42	17.2
Metal Panels	745	29	39	660	5	Q	Q	Q	24.1
Concrete Panels	87	46	6	17	12	Q	4	Q	27.9
Window Glass	46	18	Q	Q	8	Q	Q	Q	46.5
Other	47	11	Q	Q	Q	Q	Q	Q	52.8
Percent Window Glass									
25 or Less	4,193	1,369	1,231	1,003	302	115	33	139	8.0
26 to 50	490	222	115	30	67	34	2	21	14.1
51 to 75	94	39	31	Q	13	Q	Q	Q	30.2
76 to 100	29	13	Q	Q	3	Q	Q	Q	40.4
Building Shape									
Square	280	121	61	54	27	Q	1	Q	20.6
Rectangle	3,659	1,213	1,027	884	271	111	30	124	8.6
Rectangle or Square with Courtyard	48	22	Q	Q	Q	Q	Q	Q	44.2
Right Angle	333	112	120	41	35	Q	Q	15	17.0
Other	485	174	164	53	47	26	Q	18	15.8
Ownership and Occupancy									
Nongovernment Owned	4,206	1,427	1,264	921	298	131	30	137	8.0
Owner Occupied	3,192	958	1,059	697	234	104	21	119	8.7
Nonowner Occupied	817	392	164	165	55	22	7	13	15.5
Unoccupied	197	76	41	59	Q	Q	Q	Q	23.7
Government Owned	599	216	118	116	88	24	7	30	15.6
Building Shell Conservation Features (more than one may apply)									
Roof or Ceiling Insulation	3,343	1,120	1,010	682	291	106	18	116	8.2
Wall Insulation	2,320	611	745	609	176	73	11	94	9.6
Storm or Multiple Glazing	1,680	465	614	254	200	74	6	68	10.8
Tinted, Reflective or Shading Glass	1,068	445	278	147	121	30	12	36	12.8
Exterior or Interior Shading or Awnings	1,853	720	547	258	196	73	5	54	10.6
Windows that Open	2,119	599	822	352	156	92	10	89	10.4
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	250	109	49	22	43	16	Q	7	18.7
Economizer Cycle	414	166	83	51	75	16	4	20	16.6
HVAC Maintenance	2,503	960	677	384	265	105	17	95	9.3
Lighting Conservation Features (more than one may apply)									
Specular Reflectors	574	197	131	137	63	20	3	23	15.7
Natural Lighting Control Sensors	74	31	20	Q	4	Q	Q	Q	32.0
Occupancy Sensors	59	29	Q	Q	10	Q	Q	Q	28.7
Time Clock	339	164	81	30	34	13	5	12	18.2
Manual Dimmer Switches	413	129	155	32	52	24	Q	19	17.0
Other	78	30	16	Q	14	Q	Q	Q	31.8

See footnotes at end of table.

Table A15. Predominant Roof Material, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Buildings by Roof Material							RSE Row Factor
		Built-Up	Shingles (Not Wood)	Metal Surfacing	Synthetic or Rubber Roofing	Slate or Tile	Concrete	Other	
RSE Column Factor:	0.4	0.6	0.7	0.9	0.9	1.4	2.6	1.7	
Energy Conservation Features (more than one may apply)									
Any Conservation Features	4,357	1,512	1,281	853	373	149	32	157	8.0
Building Shell	4,223	1,449	1,266	821	363	146	25	152	8.1
HVAC	2,604	998	712	401	270	107	17	98	9.1
Lighting	1,178	426	327	196	124	50	9	45	10.6
Other	264	78	79	44	35	10	Q	14	19.8
Demand-Side Management Programs (more than one may apply)									
Building Shell Program	36	8	Q	Q	6	Q	Q	Q	41.3
HVAC Program	154	66	24	26	23	6	Q	Q	22.3
Lighting Program	228	80	58	27	37	12	Q	12	20.1
Other DSM Programs	110	43	20	17	19	Q	Q	Q	29.0

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

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

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

Table A16. Predominant Roof Material, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Total Floorspace or All Buildings	Floorspace by Roof Material							RSE Row Factor
		Built-Up	Shingles (Not Wood)	Metal Surfacing	Synthetic or Rubber Roofing	Slate or Tile	Concrete	Other	
RSE Column Factor:	0.4	0.7	0.9	0.9	0.8	1.5	2.3	1.6	
All Buildings	67,876	30,257	10,570	9,019	11,702	1,998	2,544	1,786	8.6
Building Floorspace (square feet)									
1,001 to 5,000	7,327	2,170	2,463	1,776	391	215	Q	284	11.9
5,001 to 10,000	7,199	2,752	1,791	1,569	592	275	Q	203	11.5
10,001 to 25,000	10,375	4,357	2,149	1,899	1,258	357	Q	234	12.5
25,001 to 50,000	10,069	4,407	1,797	1,391	1,451	445	Q	379	17.0
50,001 to 100,000	8,062	3,873	777	781	2,013	275	Q	(*)	19.5
100,001 to 200,000	9,678	5,456	648	1,082	1,557	Q	499	Q	22.5
200,001 to 500,000	7,889	3,446	466	Q	2,912	Q	486	Q	22.8
Over 500,000	7,278	3,796	Q	Q	1,528	Q	1,001	Q	33.7
Principal Building Activity									
Education	8,470	4,272	746	403	2,322	364	Q	254	19.6
Food Sales	757	375	161	Q	Q	Q	Q	Q	34.3
Food Service	1,491	590	436	96	207	Q	Q	Q	27.2
Health Care	1,763	1,062	123	Q	507	Q	Q	Q	29.0
Lodging	2,891	1,191	782	Q	538	225	Q	Q	27.7
Mercantile and Service	12,402	5,898	1,569	2,093	2,126	Q	Q	286	17.0
Office	12,319	5,525	1,891	934	2,995	269	255	450	16.8
Parking Garage	1,652	Q	Q	Q	Q	Q	1,136	Q	29.3
Public Assembly	4,556	2,138	864	588	597	183	Q	129	31.5
Public Order and Safety	820	362	Q	Q	(*)	Q	Q	Q	48.9
Religious Worship	3,747	636	2,128	159	Q	580	Q	Q	26.6
Warehouse and Storage	11,484	5,409	911	3,569	1,105	Q	Q	Q	19.2
Other	1,130	378	Q	302	255	Q	Q	Q	34.6
Vacant	4,396	2,055	686	615	519	Q	Q	Q	30.0
Year Constructed									
1899 or Before	1,721	565	523	Q	238	219	Q	Q	29.0
1900 to 1919	3,608	1,430	926	Q	710	289	Q	Q	30.4
1920 to 1945	8,712	3,996	1,777	783	1,262	586	Q	132	20.6
1946 to 1959	10,421	5,716	1,834	764	1,436	260	Q	310	18.1
1960 to 1969	12,612	6,568	1,570	1,520	2,139	247	Q	223	19.5
1970 to 1979	14,014	5,907	2,142	2,224	2,545	Q	751	293	14.3
1980 to 1989	14,287	5,376	1,593	3,027	2,504	206	960	620	17.4
1990 to 1992	2,502	699	206	464	868	Q	159	Q	21.4
Census Region									
Northeast	13,400	4,889	2,434	853	3,757	526	556	384	17.6
Midwest	17,280	6,375	3,213	2,064	4,318	385	Q	361	14.5
South	24,577	11,653	3,168	5,098	2,615	577	917	551	14.9
West	12,619	7,341	1,755	1,004	1,012	511	506	490	17.1
Energy Sources (more than one may apply)									
Electricity	66,549	29,764	10,321	8,639	11,595	1,990	2,505	1,735	8.8
Natural Gas	45,097	21,299	6,515	4,313	9,387	1,309	1,152	1,122	10.5
Fuel Oil	13,218	5,791	1,684	675	3,760	309	680	319	16.9
District Heat	5,339	2,413	459	329	1,477	400	Q	Q	27.0
District Chilled Water	2,066	969	Q	Q	626	Q	Q	Q	35.9
Propane	3,393	1,068	699	858	403	Q	Q	Q	27.8
Any Other	1,551	724	281	269	Q	Q	Q	Q	33.2
Energy End Uses (more than one may apply)									
Heated Buildings	61,996	28,271	9,764	7,121	11,541	1,863	1,741	1,695	9.2
Air-Conditioned Buildings	57,041	26,404	8,606	6,077	10,893	1,608	1,909	1,544	9.6
Buildings with Water Heating	58,479	27,321	8,942	5,991	11,207	1,889	1,538	1,591	9.4
Buildings with Cooking	23,065	11,267	2,927	1,153	6,039	675	570	435	16.0
Buildings with Manufacturing	3,174	1,712	185	651	444	Q	Q	Q	29.4

See footnotes at end of table.

Table A16. Predominant Roof Material, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace or All Buildings	Floorspace by Roof Material							RSE Row Factor
		Built-Up	Shingles (Not Wood)	Metal Surfacing	Synthetic or Rubber Roofing	Slate or Tile	Concrete	Other	
		0.4	0.7	0.9	0.9	0.8	1.5	2.3	
Predominant Exterior Wall Material									
Masonry	48,585	24,929	7,856	2,162	8,832	1,801	1,952	1,054	10.7
Siding or Shingles	3,873	507	2,011	787	187	167	Q	206	17.4
Metal Panels	7,392	1,097	191	5,512	345	Q	Q	Q	24.1
Concrete Panels	4,961	2,417	190	385	1,498	Q	346	Q	28.1
Window Glass	2,028	768	Q	Q	675	Q	Q	Q	31.0
Other	1,037	540	Q	Q	165	Q	Q	Q	53.3
Percent Window Glass									
25 or Less	51,356	22,455	8,542	8,623	7,245	1,361	1,782	1,349	9.8
26 to 50	11,815	5,461	1,424	302	3,155	503	590	379	18.0
51 to 75	3,206	1,664	361	Q	895	Q	Q	Q	25.3
76 to 100	1,499	677	Q	Q	407	Q	Q	Q	31.3
Building Shape									
Square	3,654	1,656	439	402	785	Q	Q	Q	24.2
Rectangle	39,233	16,439	6,248	7,141	5,664	1,042	1,623	1,076	9.8
Rectangle or Square with Courtyard	1,372	827	Q	Q	Q	Q	Q	Q	36.0
Right Angle	6,071	2,587	1,383	684	1,170	Q	Q	150	23.0
Other	17,547	8,749	2,347	776	3,941	744	553	437	17.1
Ownership and Occupancy									
Nongovernment Owned	52,752	23,928	9,166	7,817	7,271	1,546	1,638	1,387	9.1
Owner Occupied	38,403	15,568	7,642	6,013	5,401	1,352	1,335	1,091	9.3
Nonowner Occupied	12,273	7,450	1,212	1,412	1,647	147	147	258	18.4
Unoccupied	2,077	910	313	392	Q	Q	Q	Q	28.3
Government Owned	15,124	6,329	1,404	1,203	4,431	452	906	399	17.6
Building Shell Conservation Features (more than one may apply)									
Roof or Ceiling Insulation	50,311	22,615	7,342	6,327	10,107	1,380	1,105	1,435	9.5
Wall Insulation	33,240	14,028	5,003	5,663	6,061	806	583	1,097	11.0
Storm or Multiple Glazing	29,684	12,010	5,134	2,836	7,150	1,094	661	800	12.3
Tinted, Reflective or Shading Glass	25,396	12,851	2,704	1,838	6,000	604	767	632	14.5
Exterior or Interior Shading or Awnings	34,071	17,415	4,411	2,793	7,138	1,154	420	741	11.1
Windows that Open	28,937	11,974	6,324	2,704	5,301	1,351	550	733	12.0
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	13,970	6,851	879	534	4,298	513	533	363	21.7
Economizer Cycle	18,313	8,630	1,381	918	6,021	356	506	500	18.3
HVAC Maintenance	49,173	22,887	6,655	4,517	10,465	1,654	1,617	1,378	10.2
Lighting Conservation Features (more than one may apply)									
Specular Reflectors	15,241	6,933	1,734	1,723	3,627	341	556	328	15.8
Natural Lighting Control Sensors	3,072	1,491	197	Q	756	Q	303	Q	25.5
Occupancy Sensors	3,629	1,932	Q	Q	1,229	Q	Q	Q	23.3
Time Clock	12,104	6,637	818	544	2,770	219	792	325	20.8
Manual Dimmer Switches	12,329	5,238	1,993	432	3,531	531	153	452	17.1
Other	2,596	1,254	209	Q	684	Q	Q	Q	27.4

See footnotes at end of table.

Table A16. Predominant Roof Material, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Total Floorspace or All Buildings	Floorspace by Roof Material							RSE Row Factor
		Built-Up	Shingles (Not Wood)	Metal Surfacing	Synthetic or Rubber Roofing	Slate or Tile	Concrete	Other	
RSE Column Factor:	0.4	0.7	0.9	0.9	0.8	1.5	2.3	1.6	
Energy Conservation Features (more than one may apply)									
Any Conservation Features	64,403	29,187	10,018	7,593	11,560	1,961	2,337	1,747	8.8
Building Shell	62,056	28,249	9,880	7,310	11,420	1,924	1,558	1,715	8.9
HVAC	50,281	23,371	6,932	4,652	10,631	1,690	1,621	1,384	10.0
Lighting	29,453	13,917	3,841	2,299	6,340	861	1,296	900	11.9
Other	5,952	2,639	733	600	1,307	228	Q	136	19.2
Demand-Side Management Programs (more than one may apply)									
Building Shell Program	1,079	341	Q	Q	492	Q	Q	Q	32.3
HVAC Program	6,370	3,217	412	453	1,864	131	Q	Q	21.9
Lighting Program	8,805	3,760	918	387	3,179	235	184	142	20.5
Other DSM Programs	6,176	2,633	472	358	2,382	Q	Q	Q	27.7

(*) = 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.