

Table A57. Energy Conservation Features, Number of Buildings and Floorspace, 1992

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	
	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
RSE Column Factor:	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
All Buildings	4,806	4,357	4,223	2,604	1,178	264	67,876	64,403	62,056	50,281	29,453	5,952	4.7
Building Floorspace (square feet)													
1,001 to 5,000	2,681	2,376	2,305	1,194	452	102	7,327	6,575	6,375	3,370	1,302	291	7.4
5,001 to 10,000	975	887	864	569	275	62	7,199	6,566	6,405	4,221	2,066	467	5.6
10,001 to 25,000	647	610	587	447	241	50	10,375	9,788	9,403	7,257	3,952	821	6.5
25,001 to 50,000	280	268	259	208	106	25	10,069	9,597	9,270	7,503	3,884	896	8.4
50,001 to 100,000	116	113	111	98	47	14	8,062	7,874	7,683	6,797	3,420	917	9.2
100,001 to 200,000	71	68	66	57	36	8	9,678	9,271	8,935	7,699	4,821	1,020	10.3
200,001 to 500,000	26	25	23	23	14	2	7,889	7,479	7,098	6,946	4,557	740	11.9
Over 500,000	9	9	9	9	7	1	7,278	7,254	6,887	6,488	5,452	799	24.2
Principal Building Activity													
Education	301	300	296	245	74	27	8,470	8,457	8,379	7,719	3,297	922	9.3
Food Sales	130	119	114	70	20	Q	757	695	656	510	197	Q	19.7
Food Service	260	251	245	166	92	Q	1,491	1,465	1,451	1,073	546	Q	11.2
Health Care	63	63	63	47	26	6	1,763	1,735	1,735	1,664	1,304	368	15.6
Lodging	154	152	150	120	51	12	2,891	2,868	2,825	2,585	1,340	379	15.4
Mercantile and Service	1,272	1,186	1,141	643	293	56	12,402	12,038	11,667	8,905	5,339	1,003	9.2
Office	749	727	722	534	220	41	12,319	12,239	12,185	11,004	7,042	904	7.2
Parking Garage	24	20	16	10	5	Q	1,652	1,303	678	753	748	Q	33.9
Public Assembly	278	269	262	175	96	21	4,556	4,501	4,341	3,959	2,969	410	15.6
Public Order and Safety	60	59	59	46	19	Q	820	818	818	762	205	Q	23.7
Religious Worship	366	355	347	199	101	31	3,747	3,707	3,657	2,759	1,652	526	12.9
Warehouse and Storage	761	555	511	256	135	30	11,484	9,764	9,082	5,812	3,323	711	10.3
Other	69	58	56	34	22	Q	1,130	1,099	1,032	968	589	Q	17.9
Vacant	319	242	240	60	25	Q	4,396	3,716	3,550	1,808	901	Q	16.2
Year Constructed													
1899 or Before	169	159	155	95	65	Q	1,721	1,662	1,620	1,229	659	Q	16.1
1900 to 1919	255	235	230	137	65	20	3,608	3,325	3,269	2,662	1,368	406	16.1
1920 to 1945	724	641	615	328	173	31	8,712	7,841	7,532	5,313	2,943	604	10.8
1946 to 1959	880	782	761	445	169	41	10,421	9,752	9,484	6,726	3,384	677	9.0
1960 to 1969	783	716	697	442	180	38	12,612	12,053	11,695	9,812	5,219	1,247	9.1
1970 to 1979	982	889	850	556	235	59	14,014	13,464	12,754	10,636	6,680	1,430	7.6
1980 to 1989	884	812	797	526	243	55	14,287	13,886	13,365	11,800	7,572	1,185	9.2
1990 to 1992	128	121	117	76	48	9	2,502	2,419	2,338	2,103	1,627	275	14.2
Census Region													
Northeast	771	711	693	504	241	57	13,400	12,891	12,612	10,840	6,727	1,626	9.0
Midwest	1,202	1,097	1,076	626	295	67	17,280	16,619	16,031	13,100	7,790	1,575	8.1
South	1,963	1,737	1,667	980	375	85	24,577	22,659	21,758	16,864	8,307	1,757	9.1
West	870	812	787	494	268	55	12,619	12,234	11,655	9,477	6,628	993	9.3
Energy Sources (more than one may apply)													
Electricity	4,616	4,258	4,124	2,604	1,178	263	66,549	63,709	61,362	50,281	29,453	5,927	4.7
Natural Gas	2,665	2,542	2,467	1,660	778	175	45,097	44,303	43,053	36,273	21,197	4,733	5.4
Fuel Oil	559	541	526	397	190	56	13,218	13,125	12,996	12,104	8,603	1,830	9.9
District Heat	95	95	90	86	50	10	5,339	5,316	5,135	5,146	3,046	687	12.6
District Chilled Water	28	28	27	28	14	Q	2,066	2,066	2,007	2,063	1,152	224	19.7
Propane	337	331	321	172	77	18	3,393	3,376	3,339	2,506	1,439	201	15.5
Any Other	163	155	150	70	32	Q	1,551	1,494	1,472	912	552	Q	19.6

See footnotes at end of table.

Table A57. Energy Conservation Features, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	
	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
RSE Column Factor:	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
Energy End Uses (more than one may apply)													
Heated Buildings	4,178	3,996	3,881	2,568	1,122	260	61,996	60,736	58,915	49,515	28,384	5,793	4.7
Air-Conditioned Buildings	3,502	3,376	3,285	2,271	997	227	57,041	56,223	54,488	46,884	27,166	5,425	4.9
Buildings with Water Heating	3,502	3,392	3,298	2,275	1,042	232	58,479	57,571	55,914	47,711	27,924	5,618	4.7
Buildings with Cooking	734	727	707	548	275	52	23,065	23,031	22,814	21,458	13,887	2,615	7.5
Buildings with Manufacturing	121	119	112	74	49	18	3,174	3,151	3,050	2,260	1,624	545	16.2
Floors													
One	3,007	2,620	2,530	1,414	541	128	25,424	22,938	22,066	15,331	7,256	1,563	7.9
Two	1,154	1,105	1,077	719	368	82	18,025	17,520	17,097	14,092	7,994	1,866	6.0
Three	446	435	424	313	166	36	9,877	9,776	9,558	8,398	5,049	873	8.4
Four to Nine	186	184	179	145	93	15	10,377	9,997	9,289	8,360	5,841	1,182	11.0
Ten or More	13	13	13	13	10	2	4,173	4,173	4,046	4,100	3,313	468	16.5
Ownership and Occupancy													
Nongovernment Owned	4,206	3,792	3,684	2,172	1,022	219	52,752	49,630	47,889	37,005	22,860	4,398	5.0
Owner Occupied	3,192	2,929	2,841	1,763	810	192	38,403	36,377	35,043	27,762	16,990	3,763	4.6
Nonowner Occupied	817	717	699	387	202	24	12,273	11,630	11,369	8,755	5,551	536	10.9
Unoccupied	197	145	144	21	9	Q	2,077	1,624	1,477	488	319	Q	18.9
Government Owned	599	565	539	432	156	44	15,124	14,773	14,168	13,276	6,593	1,554	8.1
Percent of Floorspace Heated													
Not Heated	653	383	363	46	60	Q	6,211	3,976	3,439	949	1,203	Q	17.9
1 to 50	688	626	605	331	132	25	11,195	10,534	9,852	7,172	3,723	463	10.6
51 to 99	618	601	585	366	214	36	10,211	10,131	9,861	7,771	5,463	1,073	8.8
100	2,846	2,746	2,670	1,861	772	199	40,260	39,762	38,905	34,389	19,063	4,257	5.0
Percent of Floorspace Cooled													
Not Cooled	1,304	980	938	333	181	37	10,835	8,180	7,569	3,397	2,287	527	9.9
1 to 50	1,176	1,125	1,079	690	320	73	21,715	21,269	20,089	15,879	8,224	1,836	6.6
51 to 99	658	646	630	446	223	55	13,872	13,768	13,541	12,333	7,985	1,711	8.2
100	1,668	1,606	1,575	1,135	453	99	21,454	21,186	20,858	18,672	10,957	1,877	7.1
Percent Lit when Open													
Not Lit	413	244	241	30	Q	Q	3,280	2,243	2,110	638	Q	Q	16.8
1 to 50	881	785	762	426	197	36	9,980	9,131	8,863	6,140	3,352	792	8.6
51 to 99	813	791	768	523	290	75	14,224	14,110	13,846	11,807	7,914	1,711	8.5
100	2,699	2,537	2,452	1,624	679	145	40,393	38,919	37,237	31,696	17,945	3,391	5.3
Heating Equipment (more than one may apply)													
Heat Pumps	449	441	435	323	148	29	8,269	8,230	8,053	6,847	4,245	675	10.3
Furnaces	1,692	1,640	1,605	1,028	427	118	16,909	16,632	16,246	12,184	6,275	1,301	6.8
Individual Space Heaters	1,464	1,371	1,327	724	374	79	22,380	21,647	20,986	16,301	10,200	2,479	6.8
District Heat	93	93	89	85	49	10	5,225	5,202	5,021	5,047	2,969	631	12.7
Boilers	624	616	602	487	239	66	20,664	20,594	20,141	18,645	11,665	2,640	7.1
Packaged Heating Units	870	836	811	604	256	53	16,000	15,778	15,456	12,832	7,681	1,275	8.3
Other	42	42	42	25	15	Q	903	903	889	838	571	Q	24.7

See footnotes at end of table.

Table A57. Energy Conservation Features, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	
	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
RSE Column Factor:	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
Cooling Equipment (more than one may apply)													
Residential-Type Central Air Conditioners	816	791	780	508	226	53	9,021	8,822	8,655	6,842	3,703	984	9.4
Heat Pumps	454	447	441	326	142	27	8,406	8,376	8,244	6,978	4,319	687	10.0
Individual Air Conditioners	1,023	964	935	581	259	60	17,979	17,621	16,995	13,842	7,780	1,757	9.2
District Chilled Water	28	28	27	28	14	Q	2,066	2,066	2,007	2,063	1,152	224	19.7
Central Chillers	142	141	140	129	77	14	12,991	12,950	12,739	12,569	9,301	1,906	10.9
Packaged Air-Conditioning Units	1,459	1,421	1,375	1,028	468	104	27,830	27,573	26,845	23,508	13,211	2,667	6.2
Swamp Coolers	179	171	164	109	56	Q	2,085	2,062	2,020	1,697	1,115	Q	22.4
Other	8	8	8	4	Q	Q	268	268	268	181	Q	Q	48.6
Lighting Equipment Types (more than one may apply)													
Incandescent	2,509	2,364	2,304	1,471	768	171	39,221	38,196	37,436	31,251	19,761	4,049	5.3
Standard Fluorescent	4,065	3,851	3,734	2,457	1,100	248	62,074	60,445	58,496	49,090	28,649	5,719	4.5
Compact Fluorescent	206	203	200	154	106	22	8,336	8,321	8,283	7,885	6,649	1,294	10.0
High-Intensity Discharge	354	337	316	237	166	39	17,570	17,188	16,304	14,328	10,593	2,206	7.8
Other	78	73	72	52	32	12	1,612	1,603	1,538	1,266	1,074	233	21.1
Water-Heating Equipment (more than one may apply)													
Centralized System	1,994	1,950	1,900	1,325	610	141	31,599	31,322	30,682	26,731	16,074	3,122	7.3
Self-Heating Tank	1,799	1,760	1,714	1,178	522	126	24,464	24,241	23,694	20,029	11,593	2,188	8.2
Heated by Space-Heating Equipment	103	100	99	85	51	10	3,722	3,713	3,670	3,530	2,470	358	16.3
Other	106	104	101	75	46	9	4,032	3,987	3,936	3,791	2,473	667	13.9
Distributed System	1,557	1,491	1,447	989	462	97	29,502	28,871	27,855	23,497	13,877	2,682	7.2
Residential-Type Storage Tank	1,489	1,423	1,379	932	433	88	25,809	25,182	24,166	19,873	11,047	2,335	7.1
Point-of-Use Heaters	56	56	56	45	26	11	3,367	3,364	3,364	3,306	2,728	427	23.7
Other	24	24	24	23	12	3	1,259	1,259	1,259	1,235	677	331	18.6
Building Shell Conservation Features (more than one may apply)													
Roof or Ceiling Insulation	3,343	3,343	3,343	2,104	974	219	50,311	50,311	50,311	40,883	24,203	5,180	4.7
Wall Insulation	2,320	2,320	2,320	1,472	697	161	33,240	33,240	33,240	27,448	17,643	3,509	5.6
Storm or Multiple Glazing	1,680	1,680	1,680	1,170	566	137	29,684	29,684	29,684	25,702	15,921	3,207	6.3
Tinted, Reflective or Shading Glass	1,068	1,068	1,068	780	407	90	25,396	25,396	25,396	22,350	15,756	2,914	7.5
Exterior or Interior Shading or Awnings	1,853	1,853	1,853	1,318	594	142	34,071	34,071	34,071	29,261	17,758	3,744	5.9
Windows that Open	2,119	2,119	2,119	1,198	503	130	28,937	28,937	28,937	22,346	11,266	2,790	6.0
HVAC Conservation Features													
Variable Air-Volume System	250	250	244	250	134	24	13,970	13,970	13,900	13,970	10,536	1,814	9.9
Economizer Cycle	414	414	413	414	226	46	18,313	18,313	18,174	18,313	13,273	2,343	8.4
HVAC Maintenance	2,503	2,503	2,411	2,503	837	197	49,173	49,173	47,705	49,173	25,184	5,294	4.9

See footnotes at end of table.

Table A57. Energy Conservation Features, Number of Buildings and Floorspace, 1992 (Continued)

Building Characteristics	Number of Buildings (thousand)						Total Floorspace (million square feet)						RSE Row Factor
	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	All Buildings	Any Conservation Features	Building Shell	HVAC	Lighting	Other	
	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
RSE Column Factor:	0.8	0.8	0.8	0.9	1.0	1.9	0.8	0.9	0.9	0.9	1.2	1.7	
Lighting Conservation Features (more than one may apply)													
Specular Reflectors	574	574	536	420	574	54	15,241	15,241	14,568	13,372	15,241	2,181	8.3
Natural Lighting													
Control Sensors	74	74	73	55	74	8	3,072	3,072	2,937	2,868	3,072	598	14.6
Occupancy Sensors	59	59	58	49	59	8	3,629	3,629	3,546	3,517	3,629	691	11.8
Time Clock	339	339	328	255	339	30	12,104	12,104	11,748	11,066	12,104	1,439	10.7
Manual Dimmer													
Switches	413	413	408	328	413	39	12,329	12,329	12,233	11,314	12,329	1,739	8.6
Other	78	78	78	70	78	12	2,596	2,596	2,589	2,453	2,596	430	14.2
Energy Conservation Features (more than one may apply)													
Any Conservation Features													
Features	4,357	4,357	4,223	2,604	1,178	264	64,403	64,403	62,056	50,281	29,453	5,952	4.7
Building Shell	4,223	4,223	4,223	2,511	1,123	255	62,056	62,056	62,056	48,798	28,234	5,755	4.7
HVAC	2,604	2,604	2,511	2,604	871	206	50,281	50,281	48,798	50,281	25,730	5,419	4.8
Lighting	1,178	1,178	1,123	871	1,178	108	29,453	29,453	28,234	25,730	29,453	3,436	6.3
Other	264	264	255	206	108	264	5,952	5,952	5,755	5,419	3,436	5,952	8.5
Energy Management Practices (more than one may apply)													
Energy Management and Control System	236	234	232	213	119	27	14,320	14,254	14,134	13,986	10,627	1,474	9.9
Demand-Side Management Participation	315	314	309	264	166	39	11,310	11,273	11,198	10,668	8,257	1,730	8.8
Energy Audit	521	511	497	397	208	58	14,779	14,509	14,269	13,105	8,976	2,038	7.7
Building Energy Manager	49	49	49	42	18	1	2,311	2,311	2,281	2,242	1,295	165	18.5
Demand-Side Management Programs (more than one may apply)													
Building Shell Program	36	36	36	33	21	Q	1,079	1,079	1,079	1,042	890	Q	19.7
HVAC Program	154	153	149	136	77	25	6,370	6,342	6,298	6,166	4,679	1,122	10.6
Lighting Program	228	227	224	182	131	24	8,805	8,797	8,759	8,250	6,869	1,360	10.5
Other DSM Programs	110	110	109	99	62	15	6,176	6,176	6,146	6,063	4,906	967	13.4

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

Notes: • To obtain 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 A58. Building Shell Conservation Features, Number of Buildings, 1992
(Thousand)

Building Characteristics	Type of Building Shell Conservation Features (more than one may apply)								RSE Row Factor
	All Buildings	Any Building Shell Conservation Features	Roof or Ceiling Insulation	Wall Insulation	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	Windows that Open	
	0.8	0.8	0.9	1.0	1.1	1.3	1.1	1.1	
RSE Column Factor:	0.8	0.8	0.9	1.0	1.1	1.3	1.1	1.1	
All Buildings	4,806	4,223	3,343	2,320	1,680	1,068	1,853	2,119	4.4
Building Floorspace (square feet)									
1,001 to 5,000	2,681	2,305	1,777	1,279	800	445	901	1,181	6.5
5,001 to 10,000	975	864	708	472	390	238	392	425	5.5
10,001 to 25,000	647	587	475	322	263	199	288	296	6.4
25,001 to 50,000	280	259	212	137	123	90	137	120	8.3
50,001 to 100,000	116	111	93	57	56	48	75	54	8.5
100,001 to 200,000	71	66	52	35	29	29	37	30	10.5
200,001 to 500,000	26	23	19	13	13	13	17	11	11.4
Over 500,000	9	9	7	5	5	6	5	3	32.1
Principal Building Activity									
Education	301	296	232	137	86	65	171	235	9.4
Food Sales	130	114	77	61	45	40	45	Q	19.4
Food Service	260	245	214	147	123	74	138	65	10.1
Health Care	63	63	55	41	36	20	49	35	17.0
Lodging	154	150	118	90	72	24	74	124	13.7
Mercantile and Service	1,272	1,141	910	623	401	249	425	459	6.8
Office	749	722	610	448	372	257	487	336	6.6
Parking Garage	24	16	9	9	7	1	Q	12	36.5
Public Assembly	278	262	207	133	96	50	85	145	8.9
Public Order and Safety	60	59	54	37	31	16	30	43	21.7
Religious Worship	366	347	282	208	177	122	112	264	11.9
Warehouse and Storage	761	511	377	250	140	93	145	242	9.4
Other	69	56	38	30	21	9	24	25	19.8
Vacant	319	240	160	109	73	48	64	114	11.6
Year Constructed									
1899 or Before	169	155	100	51	88	30	67	106	14.6
1900 to 1919	255	230	167	89	125	34	94	146	12.5
1920 to 1945	724	615	419	222	218	119	240	360	8.4
1946 to 1959	880	761	549	302	238	172	336	454	7.7
1960 to 1969	783	697	551	364	230	171	297	352	7.6
1970 to 1979	982	850	739	571	332	221	364	346	7.3
1980 to 1989	884	797	715	622	374	283	395	296	6.8
1990 to 1992	128	117	103	100	75	40	61	60	16.1
Census Region									
Northeast	771	693	531	376	420	115	279	451	9.1
Midwest	1,202	1,076	851	584	616	235	427	541	8.3
South	1,963	1,667	1,356	960	448	451	741	756	7.6
West	870	787	605	401	195	266	406	371	11.9
Energy Sources (more than one may apply)									
Electricity	4,616	4,124	3,290	2,290	1,664	1,057	1,844	2,066	4.3
Natural Gas	2,665	2,467	1,987	1,340	1,045	695	1,220	1,189	5.5
Fuel Oil	559	526	440	282	295	103	213	333	11.9
District Heat	95	90	66	39	38	23	48	59	13.2
District Chilled Water	28	27	23	11	8	12	17	15	24.2
Propane	337	321	275	217	144	56	100	193	14.8
Any Other	163	150	112	83	58	10	34	104	17.2

See footnotes at end of table.

Table A58. Building Shell Conservation Features, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	Type of Building Shell Conservation Features (more than one may apply)								RSE Row Factor
	All Buildings	Any Building Shell Conservation Features	Roof or Ceiling Insulation	Wall Insulation	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	Windows that Open	
RSE Column Factor:	0.8	0.8	0.9	1.0	1.1	1.3	1.1	1.1	
Energy End Uses (more than one may apply)									
Heated Buildings	4,178	3,881	3,164	2,206	1,642	1,018	1,804	1,932	4.4
Air-Conditioned Buildings	3,502	3,285	2,727	1,908	1,405	977	1,705	1,515	4.5
Buildings with Water Heating	3,502	3,298	2,728	1,918	1,495	928	1,635	1,625	4.5
Buildings with Cooking	734	707	594	400	353	237	399	336	6.2
Buildings with Manufacturing	121	112	95	63	48	31	52	45	16.9
Floors									
One	3,007	2,530	2,010	1,434	796	604	992	1,159	6.6
Two	1,154	1,077	857	600	498	300	530	547	5.3
Three	446	424	330	195	265	103	223	276	8.2
Four to Nine	186	179	137	84	114	53	99	130	11.1
Ten or More	13	13	9	6	7	8	9	6	17.5
Workers (main shift)									
Less than 5	2,718	2,240	1,683	1,160	760	410	703	1,181	6.5
5 to 9	895	837	687	487	345	210	453	412	6.2
10 to 19	561	534	450	317	252	182	297	251	7.4
20 to 49	405	389	339	223	206	152	249	181	6.9
50 to 99	130	128	102	75	64	53	83	62	9.6
100 to 249	64	64	55	38	35	39	45	23	10.1
250 or More	31	31	27	20	18	20	24	9	9.7
Weekly Operating Hours									
39 or Fewer	1,039	839	610	406	295	168	224	527	8.7
40 to 48	1,278	1,155	925	649	472	314	617	606	6.4
49 to 60	1,004	894	720	513	340	221	402	404	6.7
61 to 84	645	579	475	326	249	154	264	237	6.0
85 to 167	478	445	362	247	195	131	198	166	9.0
Open Continuously	362	311	252	180	130	81	147	179	9.5
Ownership and Occupancy									
Nongovernment Owned	4,206	3,684	2,921	2,061	1,496	946	1,590	1,741	4.4
Owner Occupied	3,192	2,841	2,297	1,660	1,209	738	1,220	1,420	4.6
Nonowner Occupied	817	699	535	334	242	183	337	260	7.6
Unoccupied	197	144	89	68	45	25	32	61	16.1
Government Owned	599	539	422	259	184	122	263	378	8.6
Primary Space-Heating Energy Source									
Electricity	1,107	1,032	870	674	378	330	530	426	7.7
Natural Gas	2,276	2,105	1,694	1,143	917	582	1,038	1,020	5.7
Fuel Oil	394	369	303	175	204	51	138	248	15.4
District Heat	91	87	63	37	36	21	45	57	13.5
Propane	217	205	174	141	81	31	46	123	20.2
Wood	68	59	41	Q	Q	Q	Q	43	27.0
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	100.0
Cooling Energy Sources (more than one may apply)									
Electricity	3,404	3,189	2,643	1,849	1,357	947	1,644	1,474	4.6
Natural Gas	106	106	93	70	55	33	68	44	12.8
District Chilled Water	28	27	23	11	8	12	17	15	24.2

See footnotes at end of table.

Table A58. Building Shell Conservation Features, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	Type of Building Shell Conservation Features (more than one may apply)								RSE Row Factor
	All Buildings	Any Building Shell Conservation Features	Roof or Ceiling Insulation	Wall Insulation	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	Windows that Open	
RSE Column Factor:	0.8	0.8	0.9	1.0	1.1	1.3	1.1	1.1	
Water-Heating Energy Sources (more than one may apply)									
Electricity	1,696	1,620	1,382	1,004	692	459	785	748	5.6
Natural Gas	1,647	1,527	1,213	837	717	446	808	771	6.2
Fuel Oil	126	118	103	55	73	20	42	83	21.8
District Heat	38	36	28	19	18	10	19	22	17.0
Propane	80	76	70	53	39	Q	31	46	26.3
Cooking Energy Sources (more than one may apply)									
Electricity	356	343	294	204	174	115	195	149	8.7
Natural Gas	431	419	342	222	195	141	242	203	7.8
Propane	70	68	62	51	42	16	38	41	20.6
Percent of Floorspace Heated									
Not Heated	653	363	196	126	44	53	52	198	14.4
1 to 50	688	605	431	307	189	136	240	297	8.0
51 to 99	618	585	475	325	255	162	301	279	7.7
100	2,846	2,670	2,241	1,563	1,193	718	1,259	1,345	4.8
Percent of Floorspace Cooled									
Not Cooled	1,304	938	616	412	275	91	147	604	9.0
1 to 50	1,176	1,079	835	549	426	261	496	568	5.6
51 to 99	658	630	531	356	314	195	381	277	7.6
100	1,668	1,575	1,362	1,004	665	521	829	670	6.0
Percent Lit when Open									
Not Lit	413	241	144	100	59	27	38	127	14.4
1 to 50	881	762	559	393	319	165	296	447	7.2
51 to 99	813	768	648	418	349	235	388	374	6.7
100	2,699	2,452	1,993	1,410	953	642	1,131	1,171	4.9
Percent Lit when Closed									
Not Lit	2,987	2,542	1,967	1,379	918	555	961	1,428	5.5
1 to 50	1,689	1,573	1,290	879	726	485	854	645	5.4
51 to 99	43	37	29	22	15	13	22	14	22.0
100	87	71	56	41	22	15	16	32	21.4
Building Shell Conservation Features (more than one may apply)									
Roof or Ceiling Insulation	3,343	3,343	3,343	2,128	1,445	919	1,558	1,527	4.5
Wall Insulation	2,320	2,320	2,128	2,320	1,139	683	1,100	1,065	5.2
Storm or Multiple Glazing	1,680	1,680	1,445	1,139	1,680	552	908	888	5.8
Tinted, Reflective or Shading Glass	1,068	1,068	919	683	552	1,068	647	330	6.1
Exterior or Interior Shading or Awnings	1,853	1,853	1,558	1,100	908	647	1,853	871	5.4
Windows that Open	2,119	2,119	1,527	1,065	888	330	871	2,119	5.7
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	250	244	219	161	146	124	180	99	8.0
Economizer Cycle	414	413	374	270	229	175	281	163	8.2
HVAC Maintenance	2,503	2,411	2,012	1,403	1,120	753	1,248	1,152	4.7

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 A59. Building Shell Conservation Features, Floorspace, 1992
(Million Square Feet)

Building Characteristics	Type of Building Shell Conservation Features (more than one may apply)								RSE Row Factor
	All Buildings	Any Building Shell Conservation Features	Roof or Ceiling Insulation	Wall Insulation	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	Windows that Open	
	0.8	0.8	0.9	1.0	1.1	1.4	1.0	1.1	
RSE Column Factor:	0.8	0.8	0.9	1.0	1.1	1.4	1.0	1.1	
All Buildings	67,876	62,056	50,311	33,240	29,684	25,396	34,071	28,937	4.8
Building Floorspace (square feet)									
1,001 to 5,000	7,327	6,375	4,951	3,554	2,274	1,251	2,518	3,293	6.7
5,001 to 10,000	7,199	6,405	5,270	3,481	2,895	1,789	2,900	3,117	5.6
10,001 to 25,000	10,375	9,403	7,668	5,145	4,324	3,195	4,722	4,700	6.3
25,001 to 50,000	10,069	9,270	7,504	4,949	4,448	3,226	4,900	4,366	8.5
50,001 to 100,000	8,062	7,683	6,454	3,940	3,913	3,395	5,145	3,754	8.3
100,001 to 200,000	9,678	8,935	7,160	4,733	4,126	3,948	5,131	4,209	10.3
200,001 to 500,000	7,889	7,098	5,653	3,637	3,928	4,076	5,168	3,179	11.8
Over 500,000	7,278	6,887	5,650	3,800	3,776	4,516	3,588	2,319	25.5
Principal Building Activity									
Education	8,470	8,379	7,025	3,377	3,212	2,898	5,131	5,959	8.5
Food Sales	757	656	476	285	247	225	280	Q	19.8
Food Service	1,491	1,451	1,215	754	868	412	738	450	12.6
Health Care	1,763	1,735	1,584	1,131	1,329	1,093	1,507	1,177	14.3
Lodging	2,891	2,825	2,218	1,661	1,639	947	1,750	2,416	16.5
Mercantile and Service	12,402	11,667	10,081	6,379	4,970	4,434	4,885	3,701	10.7
Office	12,319	12,185	10,180	7,738	6,963	6,819	9,044	4,061	7.0
Parking Garage	1,652	678	324	283	414	260	336	440	40.3
Public Assembly	4,556	4,341	3,802	2,828	2,593	Q	2,542	1,666	29.9
Public Order and Safety	820	818	748	464	561	226	551	545	27.9
Religious Worship	3,747	3,657	2,718	2,154	2,296	1,419	1,620	2,862	13.9
Warehouse and Storage	11,484	9,082	6,517	4,178	3,127	2,970	3,791	3,760	11.5
Other	1,130	1,032	737	560	519	447	582	309	19.6
Vacant	4,396	3,550	2,685	1,448	945	1,219	1,315	1,473	17.4
Year Constructed									
1899 or Before	1,721	1,620	942	561	1,036	379	726	1,215	17.4
1900 to 1919	3,608	3,269	2,259	1,210	1,679	630	1,312	2,297	18.0
1920 to 1945	8,712	7,532	4,929	2,187	3,317	1,556	3,922	4,759	11.8
1946 to 1959	10,421	9,484	6,957	3,300	3,474	2,887	4,926	6,211	9.6
1960 to 1969	12,612	11,695	9,567	5,498	4,124	4,740	6,096	5,654	10.0
1970 to 1979	14,014	12,754	11,395	8,182	5,638	5,603	6,763	4,703	7.0
1980 to 1989	14,287	13,365	12,072	10,427	8,731	7,927	8,587	3,577	11.6
1990 to 1992	2,502	2,338	2,190	1,877	1,685	1,674	1,740	520	13.0
Census Region									
Northeast	13,400	12,612	9,893	6,633	8,075	4,184	6,436	7,706	9.2
Midwest	17,280	16,031	12,918	8,184	9,885	6,540	8,376	8,117	7.0
South	24,577	21,758	18,108	12,175	8,380	8,899	12,210	8,838	10.4
West	12,619	11,655	9,392	6,248	3,344	5,774	7,049	4,276	8.4
Energy Sources (more than one may apply)									
Electricity	66,549	61,362	49,956	33,068	29,615	25,306	33,941	28,564	4.8
Natural Gas	45,097	43,053	35,416	22,379	21,530	18,217	24,915	20,481	5.1
Fuel Oil	13,218	12,996	11,451	8,061	8,471	6,385	8,177	6,422	7.9
District Heat	5,339	5,135	4,046	2,290	2,337	2,425	2,994	2,823	12.8
District Chilled Water	2,066	2,007	1,616	994	808	1,103	1,239	1,042	20.0
Propane	3,393	3,339	2,829	2,153	1,692	1,222	1,653	1,865	14.9
Any Other	1,551	1,472	1,276	860	557	190	604	921	22.1

See footnotes at end of table.

Table A59. Building Shell Conservation Features, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Type of Building Shell Conservation Features (more than one may apply)								RSE Row Factor
	All Buildings	Any Building Shell Conservation Features	Roof or Ceiling Insulation	Wall Insulation	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	Windows that Open	
	0.8	0.8	0.9	1.0	1.1	1.4	1.0	1.1	
Energy End Uses (more than one may apply)									
Heated Buildings	61,996	58,915	48,409	32,180	29,441	24,816	33,454	27,381	4.8
Air-Conditioned Buildings	57,041	54,488	45,186	30,278	27,331	24,350	32,198	23,966	5.1
Buildings with Water Heating	58,479	55,914	46,407	30,978	28,564	24,373	32,745	25,632	4.9
Buildings with Cooking	23,065	22,814	19,707	12,919	12,918	11,271	14,890	11,124	8.7
Buildings with Manufacturing	3,174	3,050	2,714	1,489	1,312	1,338	1,377	1,349	16.4
Floors									
One	25,424	22,066	18,135	12,123	8,610	7,551	10,608	8,652	9.9
Two	18,025	17,097	14,282	9,741	8,019	6,991	9,124	7,540	6.5
Three	9,877	9,558	7,957	4,581	5,358	3,749	5,459	5,499	8.2
Four to Nine	10,377	9,289	6,810	4,326	5,368	4,340	5,945	5,615	9.6
Ten or More	4,173	4,046	3,128	2,469	2,329	2,765	2,935	1,632	16.2
Workers (main shift)									
Less than 5	17,944	14,210	11,054	7,342	5,825	4,030	5,026	7,113	14.6
5 to 9	7,524	6,814	5,268	3,466	2,895	1,539	3,499	3,488	6.9
10 to 19	8,077	7,444	5,591	3,629	3,212	2,112	3,539	3,976	8.6
20 to 49	10,556	10,084	8,475	5,328	5,110	4,255	6,428	4,856	7.6
50 to 99	7,763	7,642	6,110	4,087	4,115	3,118	5,085	3,784	10.0
100 to 249	7,378	7,308	6,550	4,137	3,797	4,492	4,703	2,828	12.1
250 or More	8,633	8,554	7,263	5,251	4,729	5,850	5,792	2,891	10.6
Weekly Operating Hours									
39 or Fewer	8,246	6,858	5,264	3,236	2,793	1,778	2,264	4,100	9.8
40 to 48	14,998	13,770	10,776	6,694	6,236	5,097	8,025	7,031	6.8
49 to 60	14,046	12,952	10,748	7,451	5,658	5,250	7,205	5,306	6.3
61 to 84	12,062	11,444	9,551	6,535	5,312	5,075	5,945	3,813	8.7
85 to 167	8,467	8,074	6,350	3,678	3,795	3,455	4,329	3,767	11.2
Open Continuously	10,057	8,958	7,622	5,647	5,890	4,740	6,303	4,921	15.1
Ownership and Occupancy									
Nongovernment Owned	52,752	47,889	38,288	27,472	23,696	20,146	26,322	19,907	5.3
Owner Occupied	38,403	35,043	28,012	20,366	17,450	14,347	18,809	16,151	4.2
Nonowner Occupied	12,273	11,369	9,262	6,417	5,788	5,371	6,927	3,174	14.2
Unoccupied	2,077	1,477	1,014	688	458	428	586	582	17.7
Government Owned	15,124	14,168	12,023	5,768	5,988	5,250	7,749	9,030	8.4
Primary Space-Heating Energy Source									
Electricity	15,502	14,541	12,530	9,993	7,487	7,528	8,980	4,553	11.2
Natural Gas	35,161	33,455	27,048	16,869	16,546	13,894	19,312	15,927	5.7
Fuel Oil	4,415	4,266	3,494	2,066	2,554	949	1,993	3,098	16.2
District Heat	5,014	4,813	3,731	2,117	2,199	2,276	2,725	2,722	13.5
Propane	1,101	1,064	939	750	468	133	247	633	21.5
Wood	257	230	183	Q	Q	Q	Q	145	24.8
Any Other	546	546	Q	Q	Q	Q	Q	Q	55.3
Cooling Energy Sources (more than one may apply)									
Electricity	54,628	52,132	43,216	29,191	26,170	23,187	30,810	22,866	5.2
Natural Gas	1,906	1,848	1,632	1,075	1,025	831	1,112	740	18.5
District Chilled Water	2,066	2,007	1,616	994	808	1,103	1,239	1,042	20.0

See footnotes at end of table.

Table A59. Building Shell Conservation Features, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	Type of Building Shell Conservation Features (more than one may apply)								RSE Row Factor
	All Buildings	Any Building Shell Conservation Features	Roof or Ceiling Insulation	Wall Insulation	Storms or Multiple Glazing	Tinted, Reflective or Shading Glass	Exterior or Interior Shadings or Awnings	Windows that Open	
	0.8	0.8	0.9	1.0	1.1	1.4	1.0	1.1	
Water-Heating Energy Sources (more than one may apply)									
Electricity	25,482	24,351	20,939	15,193	12,583	11,163	14,199	8,865	8.8
Natural Gas	29,962	28,615	23,238	14,456	14,742	12,247	17,025	14,352	5.9
Fuel Oil	2,470	2,417	2,046	1,182	1,464	667	1,246	1,836	19.8
District Heat	3,308	3,238	2,543	1,632	1,466	1,572	2,078	1,728	15.1
Propane	659	647	586	428	326	Q	297	434	27.7
Cooking Energy Sources (more than one may apply)									
Electricity	12,183	12,060	10,728	7,206	7,152	6,568	8,077	5,184	14.1
Natural Gas	15,233	15,099	12,898	8,040	8,241	7,061	9,567	8,143	8.8
Propane	1,039	1,033	935	800	630	435	592	661	25.5
Percent of Floorspace Heated									
Not Heated	6,211	3,439	2,154	1,170	327	587	744	1,738	18.9
1 to 50	11,195	9,852	7,135	4,163	3,584	3,437	3,887	4,442	12.2
51 to 99	10,211	9,861	8,462	5,672	4,674	4,596	6,291	4,202	8.7
100	40,260	38,905	32,559	22,235	21,099	16,776	23,149	18,555	5.4
Percent of Floorspace Cooled									
Not Cooled	10,835	7,569	5,124	2,963	2,354	1,046	1,873	4,971	10.2
1 to 50	21,715	20,089	15,497	8,977	9,092	6,787	9,868	10,559	7.3
51 to 99	13,872	13,541	11,573	7,713	7,158	7,107	8,975	5,478	7.9
100	21,454	20,858	18,116	13,588	11,080	10,456	13,356	7,929	8.5
Percent Lit when Open									
Not Lit	3,280	2,110	1,341	768	481	554	618	1,113	18.4
1 to 50	9,980	8,863	6,538	4,032	3,727	2,339	3,586	5,175	9.1
51 to 99	14,224	13,846	11,864	8,261	7,851	6,875	8,583	5,954	11.1
100	40,393	37,237	30,567	20,179	17,625	15,628	21,285	16,696	5.2
Percent Lit when Closed									
Not Lit	34,486	30,170	24,198	16,513	14,385	10,863	15,626	16,050	7.2
1 to 50	31,482	30,110	24,757	15,719	14,597	13,760	17,640	12,265	5.5
51 to 99	1,021	977	838	664	502	558	577	185	21.3
100	887	800	518	344	200	215	228	437	24.7
Building Shell Conservation Features (more than one may apply)									
Roof or Ceiling Insulation	50,311	50,311	50,311	30,885	25,474	22,124	28,758	21,398	4.9
Wall Insulation	33,240	33,240	30,885	33,240	20,010	15,537	20,202	13,019	5.8
Storm or Multiple Glazing	29,684	29,684	25,474	20,010	29,684	14,838	19,831	13,784	6.1
Tinted, Reflective or Shading Glass	25,396	25,396	22,124	15,537	14,838	25,396	17,622	8,104	8.0
Exterior or Interior Shading or Awnings	34,071	34,071	28,758	20,202	19,831	17,622	34,071	14,783	5.8
Windows that Open	28,937	28,937	21,398	13,019	13,784	8,104	14,783	28,937	5.9
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	13,970	13,900	12,198	9,265	9,208	9,741	10,395	4,616	11.9
Economizer Cycle	18,313	18,174	16,606	11,625	11,172	11,287	12,871	6,430	9.7
HVAC Maintenance	49,173	47,705	39,959	26,728	25,113	21,907	28,549	21,809	5.2

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 A60. Energy Management Practices, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.8	0.8	1.4	1.5	2.6	0.8	0.7	1.6	
All Buildings	4,806	222	197	55	34	12	315	521	49	10.3
Building Floorspace (square feet)										
1,001 to 5,000	2,681	45	44	Q	Q	Q	103	209	Q	18.9
5,001 to 10,000	975	37	31	Q	Q	Q	66	107	Q	18.4
10,001 to 25,000	647	50	41	12	9	Q	68	94	6	17.3
25,001 to 50,000	280	29	25	5	6	Q	30	50	5	20.0
50,001 to 100,000	116	28	23	8	4	Q	23	32	6	17.5
100,001 to 200,000	71	19	18	8	4	Q	14	17	2	18.0
200,001 to 500,000	26	10	10	3	3	(*)	9	9	2	19.4
Over 500,000	9	5	5	Q	Q	1	2	3	1	36.0
Principal Building Activity										
Education	301	50	38	9	11	Q	54	75	10	20.3
Food Sales	130	Q	Q	Q	Q	Q	Q	Q	Q	38.3
Food Service	260	11	Q	Q	Q	Q	24	31	Q	30.2
Health Care	63	10	10	Q	Q	Q	11	11	Q	38.5
Lodging	154	4	2	Q	Q	Q	21	33	Q	34.7
Mercantile and Service	1,272	28	26	13	Q	Q	50	106	Q	17.0
Office	749	68	66	13	7	3	62	96	10	16.4
Parking Garage	24	Q	Q	Q	Q	Q	Q	Q	Q	66.6
Public Assembly	278	14	12	Q	Q	Q	24	40	Q	25.9
Public Order and Safety	60	Q	Q	Q	Q	Q	Q	Q	Q	52.5
Religious Worship	366	11	8	Q	Q	Q	15	37	Q	33.8
Warehouse and Storage	761	9	8	Q	Q	Q	24	45	Q	29.8
Other	69	Q	Q	Q	Q	Q	Q	Q	Q	45.8
Vacant	319	5	Q	Q	Q	Q	7	12	Q	44.7
Year Constructed										
1899 or Before	169	Q	Q	Q	Q	Q	12	25	Q	37.1
1900 to 1919	255	11	8	Q	Q	Q	18	26	Q	36.2
1920 to 1945	724	14	9	Q	Q	Q	45	76	Q	25.0
1946 to 1959	880	32	24	Q	5	Q	55	95	11	18.3
1960 to 1969	783	38	32	6	5	Q	53	99	8	19.5
1970 to 1979	982	49	48	13	8	Q	74	112	15	18.4
1980 to 1989	884	55	55	17	10	Q	51	81	5	17.8
1990 to 1992	128	20	19	6	2	1	7	7	Q	30.8
Census Region										
Northeast	771	37	23	11	8	1	99	132	8	21.6
Midwest	1,202	66	55	11	9	6	68	122	11	17.7
South	1,963	63	68	15	11	Q	72	157	14	17.8
West	870	57	51	18	6	Q	75	110	16	20.1
Energy Sources (more than one may apply)										
Electricity	4,616	222	197	55	34	12	315	520	49	10.3
Natural Gas	2,665	169	148	37	21	10	195	336	31	11.4
Fuel Oil	559	35	29	13	11	Q	65	85	6	22.2
District Heat	95	25	20	4	5	Q	30	27	6	24.2
District Chilled Water	28	12	13	Q	2	Q	11	9	4	33.6
Propane	337	5	4	Q	Q	Q	18	32	Q	41.1
Any Other	163	Q	Q	Q	Q	Q	Q	Q	Q	32.7
Energy End Uses (more than one may apply)										
Heated Buildings	4,178	222	197	55	34	12	313	505	49	10.3
Air-Conditioned Buildings	3,502	204	197	47	31	12	267	425	42	10.2
Buildings with Water Heating	3,502	215	190	52	34	12	288	453	47	10.4
Buildings with Cooking	734	76	65	22	15	5	95	131	12	14.9
Buildings with Manufacturing	121	7	4	Q	Q	Q	16	25	Q	41.5

See footnotes at end of table.

Table A60. Energy Management Practices, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.8	0.8	1.4	1.5	2.6	0.8	0.7	1.6	
Floors										
One	3,007	81	78	24	14	Q	132	259	24	16.0
Two	1,154	78	65	17	7	3	91	144	9	16.2
Three	446	30	25	7	5	Q	51	72	9	19.6
Four to Nine	186	28	24	5	6	1	35	41	6	18.7
Ten or More	13	6	5	2	2	Q	5	5	1	25.8
Workers (main shift)										
Less than 5	2,718	36	27	13	Q	Q	103	178	15	21.8
5 to 9	895	27	27	Q	Q	Q	68	102	Q	19.7
10 to 19	561	45	41	Q	Q	Q	41	92	Q	19.6
20 to 49	405	50	42	8	9	Q	52	85	12	17.3
50 to 99	130	27	22	8	5	Q	24	33	6	18.0
100 to 249	64	22	22	9	6	2	18	21	2	16.5
250 or More	31	16	16	5	2	1	9	11	2	16.6
Weekly Operating Hours										
39 or Fewer	1,039	23	14	Q	Q	Q	31	70	Q	24.7
40 to 48	1,278	68	61	9	7	Q	90	142	15	16.8
49 to 60	1,004	49	47	8	3	3	60	90	8	17.6
61 to 84	645	34	31	10	8	1	56	88	4	18.7
85 to 167	478	29	26	14	5	Q	48	75	6	20.7
Open Continuously	362	19	18	7	9	Q	30	57	8	24.9
Ownership and Occupancy										
Nongovernment Owned	4,206	153	142	41	20	11	229	399	32	11.6
Owner Occupied	3,192	128	119	32	17	10	199	334	27	12.7
Nonowner Occupied	817	23	24	9	Q	Q	27	64	3	20.6
Unoccupied	197	Q	Q	Q	Q	Q	Q	Q	Q	30.1
Government Owned	599	69	54	14	14	Q	86	122	18	17.5
Space-Heating Energy Source (more than one may apply)										
Electricity	1,513	79	75	24	13	6	109	202	22	15.1
Natural Gas	2,405	147	132	32	19	7	172	299	28	12.1
Fuel Oil	479	18	12	Q	5	Q	52	67	Q	27.8
District Heat	94	24	20	Q	5	Q	29	27	6	23.3
Propane	255	Q	Q	Q	Q	Q	12	17	Q	45.2
Wood	102	Q	Q	Q	Q	Q	Q	Q	Q	50.0
Any Other	39	Q	Q	Q	Q	Q	Q	Q	Q	103.8
Cooling Energy Sources (more than one may apply)										
Electricity	3,404	188	180	45	29	12	252	413	39	10.4
Natural Gas	106	11	11	Q	Q	Q	12	18	Q	34.4
District Chilled Water	28	12	13	Q	2	Q	11	9	4	33.6
Water-Heating Energy Sources (more than one may apply)										
Electricity	1,696	86	85	23	16	Q	134	195	18	14.2
Natural Gas	1,647	114	98	26	14	7	130	225	27	13.7
Fuel Oil	126	Q	2	Q	Q	Q	20	27	Q	42.7
District Heat	38	17	13	2	4	Q	15	10	3	27.6
Propane	80	Q	Q	Q	Q	Q	Q	Q	Q	67.7
Cooking Energy Sources (more than one may apply)										
Electricity	356	36	31	12	9	Q	49	65	6	19.9
Natural Gas	431	52	44	14	9	4	56	76	8	17.8
Propane	70	Q	Q	Q	Q	Q	11	14	Q	45.3

See footnotes at end of table.

Table A60. Energy Management Practices, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.8	0.8	1.4	1.5	2.6	0.8	0.7	1.6	
Percent of Floorspace Heated										
Not Heated	653	Q	Q	Q	Q	Q	Q	17	Q	27.7
1 to 50	688	11	7	4	Q	Q	34	51	7	27.2
51 to 99	618	34	32	11	5	Q	45	78	6	21.6
100	2,846	178	158	39	28	9	234	376	36	11.1
Percent of Floorspace Cooled										
Not Cooled	1,304	18	Q	Q	Q	Q	48	97	Q	26.1
1 to 50	1,176	41	27	5	5	Q	82	134	7	17.8
51 to 99	658	49	50	12	8	3	72	107	14	16.9
100	1,668	115	120	30	18	8	113	184	22	14.0
Percent Lit when Open										
Not Lit	413	Q	Q	Q	Q	Q	Q	Q	Q	28.0
1 to 50	881	14	7	Q	Q	Q	48	76	Q	22.5
51 to 99	813	55	46	15	11	3	90	121	9	17.6
100	2,699	154	143	38	23	9	177	321	36	12.0
Percent Lit when Closed										
Not Lit	2,987	101	84	25	18	Q	157	293	32	14.2
1 to 50	1,689	118	110	29	17	6	153	213	18	12.1
51 to 99	43	2	2	Q	Q	Q	Q	7	Q	44.9
100	87	Q	Q	Q	Q	Q	Q	Q	Q	45.7
Heating Equipment (more than one may apply)										
Heat Pumps	449	27	25	5	2	1	33	60	5	21.7
Furnaces	1,692	66	61	12	Q	Q	109	163	Q	16.3
Individual Space Heaters	1,464	60	52	16	8	6	102	167	15	17.3
District Heat	93	24	20	Q	5	Q	29	27	6	23.3
Boilers	624	62	46	18	14	3	89	132	13	13.9
Packaged Heating Units	870	65	66	19	7	4	67	113	15	16.5
Other	42	9	9	Q	Q	Q	Q	7	Q	55.4
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	816	38	37	5	Q	Q	60	68	Q	24.8
Heat Pumps	454	27	25	5	2	1	36	59	5	22.2
Individual Air Conditioners	1,023	30	22	Q	7	Q	71	121	9	19.4
District Chilled Water	28	12	13	Q	2	Q	11	9	4	33.6
Central Chillers	142	37	38	10	10	2	30	39	5	15.8
Packaged Air-Conditioning Units	1,459	105	105	29	13	8	119	206	23	14.2
Swamp Coolers	179	7	6	Q	Q	Q	6	18	Q	48.7
Other	8	Q	Q	Q	Q	Q	Q	Q	Q	126.2
Lighting Equipment Types (more than one may apply)										
Incandescent	2,509	127	107	25	17	8	190	300	26	12.5
Standard Fluorescent	4,065	220	195	55	34	12	301	492	48	10.3
Compact Fluorescent	206	27	22	11	7	1	57	55	4	17.3
High-Intensity Discharge	354	43	36	13	7	3	56	73	5	13.1
Other	78	Q	Q	Q	Q	Q	8	Q	Q	48.5

See footnotes at end of table.

Table A60. Energy Management Practices, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.8	0.8	1.4	1.5	2.6	0.8	0.7	1.6	
Water-Heating Equipment (more than one may apply)										
Centralized System	1,994	129	109	32	23	7	172	264	32	14.1
Self-Heating Tank	1,799	107	91	28	16	6	147	224	28	15.6
Heated by Space-Heating Equipment	103	12	9	Q	2	Q	14	23	Q	34.1
Other	106	12	10	2	5	Q	17	23	3	26.6
Distributed System	1,557	92	88	22	14	6	121	204	16	15.1
Residential-Type Storage Tank	1,489	80	77	16	9	4	108	193	13	15.0
Point-of-Use	56	9	9	Q	Q	Q	12	9	Q	43.9
Other	24	5	4	Q	Q	Q	4	5	Q	45.0

(*) = 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 A61. Energy Management Practices, Floorspace, 1992
(Million Square Feet)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.9	0.9	1.4	1.7	1.8	0.8	0.7	1.5	
All Buildings	67,876	13,412	12,489	5,162	3,897	887	11,310	14,779	2,311	11.1
Building Floorspace (square feet)										
1,001 to 5,000	7,327	139	136	Q	Q	Q	321	623	Q	18.8
5,001 to 10,000	7,199	290	241	Q	Q	Q	485	785	Q	17.2
10,001 to 25,000	10,375	868	730	218	161	Q	1,075	1,540	94	16.4
25,001 to 50,000	10,069	1,058	931	195	210	Q	1,105	1,820	194	19.4
50,001 to 100,000	8,062	1,944	1,626	578	324	Q	1,581	2,271	418	16.4
100,001 to 200,000	9,678	2,478	2,329	997	529	Q	1,960	2,345	304	17.1
200,001 to 500,000	7,889	3,254	3,097	913	840	152	2,548	2,891	508	19.3
Over 500,000	7,278	3,381	3,399	2,194	Q	368	2,235	2,504	658	32.1
Principal Building Activity										
Education	8,470	2,891	2,156	504	927	Q	2,560	2,810	482	17.9
Food Sales	757	Q	Q	Q	Q	Q	Q	Q	Q	39.0
Food Service	1,491	118	Q	Q	Q	Q	159	174	Q	34.1
Health Care	1,763	918	936	Q	225	Q	911	804	Q	24.1
Lodging	2,891	386	454	Q	Q	Q	707	878	Q	37.2
Mercantile and Service	12,402	1,674	1,682	1,315	Q	Q	1,728	1,878	Q	23.5
Office	12,319	4,400	4,231	1,459	836	430	2,707	3,793	560	13.1
Parking Garage	1,652	Q	Q	Q	Q	Q	Q	Q	Q	66.6
Public Assembly	4,556	Q	Q	Q	Q	Q	700	807	Q	35.2
Public Order and Safety	820	Q	Q	Q	Q	Q	Q	Q	Q	58.2
Religious Worship	3,747	261	199	Q	Q	Q	402	418	Q	34.8
Warehouse and Storage	11,484	512	466	Q	Q	Q	648	1,477	Q	26.4
Other	1,130	317	317	Q	Q	Q	221	Q	Q	41.8
Vacant	4,396	142	Q	Q	Q	Q	126	705	Q	43.2
Year Constructed										
1899 or Before	1,721	Q	Q	Q	Q	Q	161	360	Q	37.2
1900 to 1919	3,608	498	283	Q	Q	Q	476	905	Q	42.0
1920 to 1945	8,712	790	681	Q	Q	Q	1,244	1,763	Q	25.2
1946 to 1959	10,421	1,166	976	Q	235	Q	1,331	2,255	308	17.3
1960 to 1969	12,612	2,448	2,166	563	450	Q	2,793	3,060	376	17.5
1970 to 1979	14,014	2,994	2,953	955	790	Q	2,741	3,331	790	16.1
1980 to 1989	14,287	4,211	4,135	2,617	Q	353	2,060	2,775	318	19.3
1990 to 1992	2,502	1,196	1,218	543	303	114	504	330	56	21.7
Census Region										
Northeast	13,400	2,285	1,688	787	907	302	3,436	4,136	340	20.3
Midwest	17,280	4,123	3,735	1,190	931	259	3,279	3,944	647	15.6
South	24,577	4,158	4,437	Q	Q	132	2,600	3,810	966	19.2
West	12,619	2,846	2,629	1,254	519	193	1,994	2,890	359	14.6
Energy Sources (more than one may apply)										
Electricity	66,549	13,412	12,489	5,162	3,897	887	11,310	14,734	2,311	11.2
Natural Gas	45,097	9,805	9,008	3,462	2,488	794	8,665	10,911	1,682	10.2
Fuel Oil	13,218	4,971	4,920	2,126	1,698	477	4,148	4,533	673	14.3
District Heat	5,339	2,389	2,047	513	583	Q	1,676	1,899	864	19.3
District Chilled Water	2,066	1,024	1,028	340	269	Q	644	514	622	24.7
Propane	3,393	313	402	Q	Q	Q	529	810	Q	31.9
Any Other	1,551	Q	Q	Q	Q	Q	Q	Q	Q	46.1
Energy End Uses (more than one may apply)										
Heated Buildings	61,996	13,412	12,462	5,134	3,897	878	11,248	14,348	2,311	11.3
Air-Conditioned Buildings	57,041	12,933	12,489	4,990	3,774	887	10,667	13,636	2,222	11.5
Buildings with Water Heating	58,479	13,323	12,404	5,118	3,897	887	11,030	14,086	2,285	11.4
Buildings with Cooking	23,065	8,753	8,099	3,698	3,172	579	6,788	7,392	1,108	16.0
Buildings with Manufacturing	3,174	400	328	Q	Q	Q	712	1,076	Q	30.5

See footnotes at end of table.

Table A61. Energy Management Practices, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Partici- pation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.9	0.9	1.4	1.7	1.8	0.8	0.7	1.5	
Floors										
One	25,424	2,854	2,659	Q	Q	Q	1,686	3,070	340	19.8
Two	18,025	2,939	2,662	1,254	433	253	3,025	3,842	332	15.5
Three	9,877	1,813	1,619	601	540	Q	1,958	2,571	407	19.2
Four to Nine	10,377	3,393	3,249	978	794	197	3,073	3,407	769	16.1
Ten or More	4,173	2,413	2,301	853	846	291	1,567	1,889	462	23.4
Workers (main shift)										
Less than 5	17,944	Q	Q	Q	Q	Q	1,073	1,550	Q	27.3
5 to 9	7,524	334	273	Q	Q	Q	713	1,073	Q	21.3
10 to 19	8,077	666	568	Q	Q	Q	461	1,095	Q	20.0
20 to 49	10,556	1,498	1,196	254	387	Q	1,630	2,497	281	16.9
50 to 99	7,763	1,900	1,545	653	349	Q	1,701	2,376	561	19.1
100 to 249	7,378	3,010	2,986	1,325	949	209	2,303	2,628	245	18.3
250 or More	8,633	4,787	4,773	1,776	1,197	458	3,428	3,560	789	16.4
Weekly Operating Hours										
39 or Fewer	8,246	476	252	Q	Q	Q	660	1,245	Q	26.7
40 to 48	14,998	2,317	2,119	522	525	Q	1,762	2,496	347	15.7
49 to 60	14,046	2,679	2,558	731	360	257	1,932	2,811	392	15.2
61 to 84	12,062	2,796	2,706	1,362	785	129	2,499	3,244	290	15.9
85 to 167	8,467	2,065	1,647	830	525	Q	2,413	2,044	370	21.4
Open Continuously	10,057	3,080	3,207	Q	Q	162	2,044	2,938	671	24.2
Ownership and Occupancy										
Nongovernment Owned	52,752	8,803	8,651	4,305	2,647	734	7,030	10,274	1,534	13.3
Owner Occupied	38,403	6,515	6,408	2,660	1,529	592	5,883	8,475	1,398	10.9
Nonowner Occupied	12,273	2,253	2,243	Q	Q	Q	1,105	1,753	129	28.9
Unoccupied	2,077	Q	Q	Q	Q	Q	Q	Q	Q	29.8
Government Owned	15,124	4,610	3,838	857	1,250	153	4,279	4,505	777	15.5
Space-Heating Energy Source (more than one may apply)										
Electricity	25,636	6,142	6,142	3,164	Q	365	4,570	6,331	747	17.4
Natural Gas	38,524	7,707	7,295	2,721	1,971	536	7,325	8,765	1,340	11.5
Fuel Oil	7,334	1,747	1,502	319	663	Q	2,042	2,248	200	20.5
District Heat	5,242	2,349	2,040	492	550	Q	1,607	1,880	864	19.6
Propane	1,568	Q	Q	Q	Q	Q	188	222	Q	50.4
Wood	504	Q	Q	Q	Q	Q	Q	Q	Q	37.4
Any Other	661	Q	Q	Q	Q	Q	Q	Q	Q	98.0
Cooling Energy Sources (more than one may apply)										
Electricity	54,628	12,115	11,656	4,697	3,465	882	10,015	13,101	1,773	11.7
Natural Gas	1,906	413	443	Q	Q	Q	461	629	Q	41.5
District Chilled Water	2,066	1,024	1,028	340	269	Q	644	514	622	24.7
Water-Heating Energy Sources (more than one may apply)										
Electricity	25,482	5,493	5,494	2,990	Q	287	3,830	5,518	632	17.0
Natural Gas	29,962	6,438	5,892	2,073	1,607	491	6,124	7,085	1,242	11.6
Fuel Oil	2,470	421	227	Q	Q	Q	616	776	Q	37.4
District Heat	3,308	1,799	1,586	354	423	Q	1,135	1,378	445	24.5
Propane	659	Q	Q	Q	Q	Q	Q	Q	Q	59.1
Cooking Energy Sources (more than one may apply)										
Electricity	12,183	5,455	5,183	2,784	2,142	306	3,729	3,562	429	21.4
Natural Gas	15,233	5,300	4,802	1,836	1,737	448	4,906	5,155	784	15.7
Propane	1,039	Q	Q	Q	Q	Q	231	358	Q	49.2

See footnotes at end of table.

Table A61. Energy Management Practices, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.9	0.9	1.4	1.7	1.8	0.8	0.7	1.5	
Percent of Floorspace Heated										
Not Heated	6,211	Q	Q	Q	Q	Q	Q	512	Q	43.5
1 to 50	11,195	644	682	513	Q	Q	1,360	1,707	323	35.9
51 to 99	10,211	2,631	2,358	1,017	749	297	1,878	2,709	289	17.1
100	40,260	10,138	9,422	3,604	2,847	466	8,010	9,852	1,699	12.9
Percent of Floorspace Cooled										
Not Cooled	10,835	479	Q	Q	Q	Q	643	1,143	Q	26.4
1 to 50	21,715	2,072	1,459	727	601	Q	3,141	4,763	635	21.0
51 to 99	13,872	4,634	4,570	1,417	1,138	400	3,605	4,251	489	14.5
100	21,454	6,228	6,461	2,846	Q	316	3,920	4,622	1,098	17.1
Percent Lit when Open										
Not Lit	3,280	Q	Q	Q	Q	Q	Q	Q	Q	26.9
1 to 50	9,980	331	256	76	Q	Q	1,018	1,312	Q	26.9
51 to 99	14,224	4,293	3,781	2,141	Q	288	3,058	3,996	348	23.7
100	40,393	8,764	8,448	2,944	1,913	550	7,232	9,411	1,688	10.0
Percent Lit when Closed										
Not Lit	34,486	5,410	5,050	2,291	2,140	351	4,414	6,427	1,189	17.4
1 to 50	31,482	7,672	7,095	2,772	1,724	511	6,492	7,909	1,022	11.9
51 to 99	1,021	254	276	Q	Q	Q	Q	328	Q	44.2
100	887	Q	Q	Q	Q	Q	Q	Q	Q	48.0
Heating Equipment (more than one may apply)										
Heat Pumps	8,269	1,789	1,865	664	364	162	1,568	2,295	355	19.3
Furnaces	16,909	1,501	1,404	564	Q	Q	2,325	2,772	Q	16.6
Individual Space Heaters	22,380	4,473	4,307	1,616	645	399	4,194	5,725	758	13.4
District Heat	5,225	2,349	2,040	492	550	Q	1,607	1,880	864	19.6
Boilers	20,664	6,709	6,163	2,658	2,627	495	5,475	6,211	863	17.5
Packaged Heating Units	16,000	3,372	3,282	1,641	813	422	3,063	3,568	536	15.3
Other	903	427	427	Q	Q	Q	Q	414	Q	41.6
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	9,021	1,216	1,254	246	Q	Q	1,687	1,732	Q	19.9
Heat Pumps	8,406	1,648	1,729	581	327	159	1,578	2,261	359	19.1
Individual Air Conditioners	17,979	3,028	2,473	Q	Q	Q	3,362	4,490	408	25.7
District Chilled Water	2,066	1,024	1,028	340	269	Q	644	514	622	24.7
Central Chillers	12,991	7,088	7,255	3,059	2,624	362	4,419	5,027	836	17.5
Packaged Air-Conditioning Units	27,830	5,858	5,648	2,217	1,196	502	4,951	7,052	1,020	11.5
Swamp Coolers	2,085	423	412	Q	Q	Q	197	363	Q	40.5
Other	268	Q	Q	Q	Q	Q	Q	Q	Q	93.7
Lighting Equipment Types (more than one may apply)										
Incandescent	39,221	8,456	7,833	2,901	2,308	746	8,577	9,683	1,586	10.7
Standard Fluorescent	62,074	13,279	12,379	5,146	3,857	886	11,161	14,501	2,298	11.3
Compact Fluorescent	8,336	3,450	3,358	1,615	1,153	277	3,657	3,422	623	16.0
High-Intensity Discharge	17,570	5,343	4,970	2,277	1,641	627	5,238	5,745	874	13.3
Other	1,612	371	344	159	Q	Q	340	439	Q	42.7

See footnotes at end of table.

Table A61. Energy Management Practices, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Energy Management Control System: (more than one may apply)					DSM Participation	Energy Audit	Building Energy Manager	RSE Row Factor
		Heating	Cooling	Lighting	Hot Water	Other				
RSE Column Factor:	0.4	0.9	0.9	1.4	1.7	1.8	0.8	0.7	1.5	
Water-Heating Equipment (more than one may apply)										
Centralized System	31,599	8,669	7,911	2,945	3,016	583	6,484	8,229	1,561	15.7
Self-Heating Tank	24,464	5,662	5,253	2,420	2,063	324	4,637	5,654	1,057	19.0
Heated by Space-Heating Equipment	3,722	1,611	1,352	260	419	Q	832	1,322	Q	26.6
Other	4,032	1,697	1,566	345	572	137	1,224	1,483	372	20.4
Distributed System	29,502	6,253	6,098	3,231	Q	367	4,944	6,660	818	16.4
Residential-Type Storage Tank	25,809	4,491	4,330	1,919	794	340	3,745	5,761	636	13.8
Point-of-Use	3,367	Q	Q	Q	Q	Q	1,014	794	Q	59.5
Other	1,259	496	492	268	Q	Q	410	453	Q	36.7

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 A62. Reduction in Equipment Use During Off Hours, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.7	0.8	0.8	1.5	0.8	1.8	
All Buildings	4,806	3,400	2,872	578	4,089	547	4.7
Building Floorspace (square feet)							
1,001 to 5,000	2,681	1,845	1,499	277	2,248	299	6.5
5,001 to 10,000	975	746	635	127	857	112	6.0
10,001 to 25,000	647	469	417	97	569	83	7.1
25,001 to 50,000	280	181	169	40	234	26	10.0
50,001 to 100,000	116	88	83	24	98	13	9.0
100,001 to 200,000	71	49	47	10	61	11	11.8
200,001 to 500,000	26	16	15	4	18	3	14.5
Over 500,000	9	5	5	1	5	1	22.5
Principal Building Activity							
Education	301	274	231	57	300	32	10.1
Food Sales	130	76	74	Q	100	Q	20.0
Food Service	260	209	215	52	241	78	10.2
Health Care	63	42	45	Q	51	Q	21.5
Lodging	154	Q	Q	Q	Q	Q	14.5
Mercantile and Service	1,272	1,056	800	153	1,203	175	6.7
Office	749	628	621	84	722	115	7.8
Parking Garage	24	12	10	Q	15	Q	40.1
Public Assembly	278	222	182	56	269	23	10.3
Public Order and Safety	60	16	Q	Q	19	Q	36.2
Religious Worship	366	350	275	62	362	24	12.7
Warehouse and Storage	761	368	287	41	591	56	10.0
Other	69	26	24	Q	50	Q	23.8
Vacant	319	111	88	40	151	16	12.8
Year Constructed							
1899 or Before	169	125	100	26	154	19	16.7
1900 to 1919	255	194	147	29	225	28	14.7
1920 to 1945	724	513	418	101	619	68	8.8
1946 to 1959	880	632	540	103	752	97	7.7
1960 to 1969	783	539	453	102	653	63	8.2
1970 to 1979	982	702	607	101	838	149	7.8
1980 to 1989	884	604	532	104	745	109	7.7
1990 to 1992	128	90	74	12	104	15	18.2
Census Region							
Northeast	771	570	434	150	671	125	9.8
Midwest	1,202	834	628	113	1,034	113	10.5
South	1,963	1,386	1,310	176	1,647	174	7.6
West	870	609	500	139	737	135	12.3
Energy Sources (more than one may apply)							
Electricity	4,616	3,398	2,872	578	4,079	547	4.7
Natural Gas	2,665	2,140	1,872	353	2,400	327	6.4
Fuel Oil	559	450	298	102	500	71	11.9
District Heat	95	63	60	13	75	6	16.1
District Chilled Water	28	20	20	4	23	Q	26.0
Propane	337	274	196	55	304	66	15.8
Any Other	163	130	47	Q	139	Q	17.2

See footnotes at end of table.

Table A62. Reduction in Equipment Use During Off Hours, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.7	0.8	0.8	1.5	0.8	1.8	
Energy End Uses (more than one may apply)							
Heated Buildings	4,178	3,400	2,821	557	3,768	523	4.8
Air-Conditioned Buildings	3,502	2,804	2,872	445	3,168	446	4.8
Buildings with Water Heating	3,502	2,745	2,425	578	3,125	452	4.9
Buildings with Cooking	734	560	532	160	639	132	7.4
Buildings with Manufacturing	121	98	78	20	111	30	18.1
Floors							
One	3,007	2,074	1,733	316	2,528	337	6.3
Two	1,154	888	752	169	1,021	124	5.8
Three	446	309	265	61	380	63	10.3
Four to Nine	186	120	112	29	151	22	13.8
Ten or More	13	9	9	4	9	2	20.4
Workers (main shift)							
Less than 5	2,718	1,733	1,336	268	2,170	236	6.8
5 to 9	895	734	659	110	841	139	6.3
10 to 19	561	448	413	90	521	91	8.1
20 to 49	405	318	305	63	362	49	7.5
50 to 99	130	99	92	30	117	19	10.0
100 to 249	64	47	46	11	54	8	11.7
250 or More	31	21	22	6	25	5	14.0
Weekly Operating Hours							
39 or Fewer	1,039	656	485	144	809	57	9.0
40 to 48	1,278	1,044	884	152	1,247	160	6.5
49 to 60	1,004	824	700	113	968	157	6.7
61 to 84	645	535	471	89	621	99	6.3
85 to 167	478	340	333	80	444	74	9.2
Open Continuously	362	Q	Q	Q	Q	Q	10.1
Ownership and Occupancy							
Nongovernment Owned	4,206	2,991	2,550	505	3,596	495	4.8
Owner Occupied	3,192	2,332	1,960	395	2,785	372	5.2
Nonowner Occupied	817	613	557	82	743	117	8.1
Unoccupied	197	46	34	28	68	Q	18.6
Government Owned	599	408	321	73	494	52	8.8
Primary Space-Heating Energy Source							
Electricity	1,107	830	758	155	940	131	7.7
Natural Gas	2,276	1,890	1,631	281	2,088	278	6.7
Fuel Oil	394	345	216	73	374	59	13.8
District Heat	91	60	57	12	72	6	16.3
Propane	217	192	133	29	206	39	20.9
Wood	68	61	Q	Q	64	Q	28.8
Any Other	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Sources (more than one may apply)							
Electricity	3,404	2,722	2,790	438	3,077	430	4.8
Natural Gas	106	87	87	10	100	21	13.6
District Chilled Water	28	20	20	4	23	Q	26.0

See footnotes at end of table.

Table A62. Reduction in Equipment Use During Off Hours, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.7	0.8	0.8	1.5	0.8	1.8	
Water-Heating Energy Sources (more than one may apply)							
Electricity	1,696	1,341	1,186	298	1,539	214	5.7
Natural Gas	1,647	1,286	1,163	239	1,450	210	7.6
Fuel Oil	126	103	73	39	119	20	19.0
District Heat	38	22	19	6	27	Q	21.4
Propane	80	62	47	17	70	Q	26.8
Cooking Energy Sources (more than one may apply)							
Electricity	356	260	252	71	306	74	10.2
Natural Gas	431	340	320	91	370	70	9.7
Propane	70	49	48	20	63	Q	22.2
Percent of Floorspace Heated							
Not Heated	653	Q	53	22	340	24	17.1
1 to 50	688	581	427	94	626	79	8.9
51 to 99	618	525	452	78	561	102	8.2
100	2,846	2,280	1,939	385	2,562	342	5.1
Percent of Floorspace Cooled							
Not Cooled	1,304	596	Q	133	922	101	8.7
1 to 50	1,176	964	1,001	172	1,090	156	6.3
51 to 99	658	517	535	77	580	101	8.5
100	1,668	1,323	1,335	195	1,498	189	6.6
Percent Lit when Open							
Not Lit	413	67	41	30	101	Q	17.0
1 to 50	881	645	498	84	802	82	7.7
51 to 99	813	648	562	114	752	121	7.2
100	2,699	2,040	1,771	350	2,434	338	5.4
Percent Lit when Closed							
Not Lit	2,987	1,884	1,475	322	2,345	286	6.1
1 to 50	1,689	1,435	1,326	238	1,662	253	5.6
51 to 99	43	32	30	Q	34	Q	22.6
100	87	49	41	Q	48	Q	23.2
Heating Equipment (more than one may apply)							
Heat Pumps	449	335	328	64	392	43	12.0
Furnaces	1,692	1,437	1,191	199	1,575	215	6.8
Individual Space Heaters	1,464	1,187	881	154	1,289	200	7.6
District Heat	93	61	59	13	73	6	16.1
Boilers	624	477	388	127	546	88	6.6
Packaged Heating Units	870	721	712	131	795	122	9.4
Other	42	30	27	Q	36	Q	32.7
Cooling Equipment (more than one may apply)							
Residential-Type Central							
Air Conditioners	816	673	687	86	757	98	10.2
Heat Pumps	454	337	334	63	397	43	11.9
Individual Air							
Conditioners	1,023	787	825	123	899	138	7.6
District Chilled Water	28	20	20	4	23	Q	26.0
Central Chillers	142	103	106	28	118	16	13.2
Packaged Air-Conditioning							
Units	1,459	1,178	1,214	187	1,331	195	7.0
Swamp Coolers	179	149	152	23	167	27	24.6
Other	8	Q	Q	Q	8	Q	59.2

See footnotes at end of table.

Table A62. Reduction in Equipment Use During Off Hours, Number of Buildings, 1992 (Continued)
(Thousand)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.7	0.8	0.8	1.5	0.8	1.8	
Lighting Equipment Types (more than one may apply)							
Incandescent	2,509	1,862	1,559	331	2,231	334	5.8
Standard Fluorescent	4,065	3,144	2,696	520	3,709	522	4.6
Compact Fluorescent	206	157	139	36	174	42	13.3
High-Intensity Discharge	354	258	229	43	316	53	8.4
Other	78	66	61	8	76	21	19.4
Water-Heating Equipment (more than one may apply)							
Centralized System	1,994	1,550	1,345	332	1,788	299	7.9
Self-Heating Tank	1,799	1,405	1,215	292	1,623	277	8.5
Heated by Space-Heating Equipment	103	84	72	18	92	19	18.8
Other	106	69	63	26	82	4	20.5
Distributed System	1,557	1,233	1,111	258	1,379	157	8.1
Residential-Type Storage Tank	1,489	1,188	1,069	246	1,327	153	8.4
Point-of-Use Heaters	56	42	41	11	45	7	17.0
Other	24	12	10	2	16	Q	23.3
Energy Conservation Features (more than one may apply)							
Any Conservation Features	4,357	3,243	2,761	568	3,812	523	4.9
Building Shell	4,223	3,146	2,683	555	3,698	508	5.0
HVAC	2,604	2,046	1,807	377	2,327	327	5.3
Lighting	1,178	907	813	189	1,036	163	6.5
Other	264	215	179	38	229	42	12.2
Off-Hour Equipment Reduction (more than one may apply)							
Heating	3,400	3,400	2,736	544	3,349	486	4.9
Cooling	2,872	2,736	2,872	435	2,827	407	4.9
Hot Water	578	544	435	578	574	106	7.7
Lighting	4,089	3,349	2,827	574	4,089	541	4.7
Other	547	486	407	106	541	547	10.1

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 A63. Reduction in Equipment Use During Off Hours, Floorspace, 1992
(Million Square Feet)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.8	0.8	0.8	1.3	0.8	1.9	
All Buildings	67,876	46,248	42,768	9,966	54,944	7,996	4.7
Building Floorspace (square feet)							
1,001 to 5,000	7,327	5,109	4,160	813	6,183	839	7.0
5,001 to 10,000	7,199	5,502	4,691	968	6,328	803	5.9
10,001 to 25,000	10,375	7,504	6,690	1,546	9,130	1,333	6.8
25,001 to 50,000	10,069	6,566	6,097	1,463	8,460	872	10.2
50,001 to 100,000	8,062	6,191	5,824	1,664	6,850	935	8.9
100,001 to 200,000	9,678	6,622	6,368	1,353	8,245	1,435	11.5
200,001 to 500,000	7,889	4,637	4,643	1,210	5,300	817	14.6
Over 500,000	7,278	4,118	4,295	949	4,448	962	21.4
Principal Building Activity							
Education	8,470	7,703	6,846	2,567	8,368	1,117	8.8
Food Sales	757	359	352	Q	529	Q	23.0
Food Service	1,491	1,165	1,177	277	1,370	435	12.1
Health Care	1,763	420	440	Q	477	Q	20.7
Lodging	2,891	Q	Q	Q	Q	Q	17.2
Mercantile and Service	12,402	10,411	9,412	1,831	11,888	1,684	11.1
Office	12,319	10,221	10,153	2,179	11,612	2,052	7.5
Parking Garage	1,652	224	180	Q	360	Q	40.7
Public Assembly	4,556	2,856	2,562	738	3,299	229	15.6
Public Order and Safety	820	158	Q	Q	188	Q	31.8
Religious Worship	3,747	3,467	2,967	553	3,628	183	16.0
Warehouse and Storage	11,484	6,828	6,283	1,012	9,796	1,334	13.2
Other	1,130	512	603	Q	829	Q	22.8
Vacant	4,396	1,853	1,555	457	2,453	681	20.2
Year Constructed							
1899 or Before	1,721	1,231	1,047	193	1,615	182	16.6
1900 to 1919	3,608	2,571	2,183	433	3,158	644	20.4
1920 to 1945	8,712	5,927	5,264	1,345	7,275	1,138	14.5
1946 to 1959	10,421	7,385	6,666	1,447	8,738	1,199	9.3
1960 to 1969	12,612	8,816	8,373	2,070	10,456	1,142	10.5
1970 to 1979	14,014	9,221	8,756	1,947	10,971	1,711	7.4
1980 to 1989	14,287	9,235	8,776	2,153	10,724	1,589	10.3
1990 to 1992	2,502	1,862	1,703	380	2,007	390	16.0
Census Region							
Northeast	13,400	9,784	8,647	3,239	11,022	2,092	11.7
Midwest	17,280	11,672	10,289	1,513	13,927	1,101	8.7
South	24,577	15,849	15,770	3,068	19,511	2,784	7.4
West	12,619	8,943	8,062	2,146	10,483	2,019	8.8
Energy Sources (more than one may apply)							
Electricity	66,549	46,241	42,768	9,966	54,790	7,996	4.8
Natural Gas	45,097	33,985	31,820	7,212	38,038	5,361	5.9
Fuel Oil	13,218	8,778	8,045	3,172	9,855	1,546	8.9
District Heat	5,339	2,877	2,703	597	3,208	474	15.2
District Chilled Water	2,066	1,058	1,061	326	1,149	Q	21.7
Propane	3,393	2,420	2,039	630	2,719	564	15.8
Any Other	1,551	1,182	824	Q	1,285	Q	28.9

See footnotes at end of table.

Table A63. Reduction in Equipment Use During Off Hours, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.8	0.8	0.8	1.3	0.8	1.9	
Energy End Uses (more than one may apply)							
Heated Buildings	61,996	46,248	42,090	9,854	51,638	7,839	4.9
Air-Conditioned Buildings	57,041	41,926	42,768	8,831	47,342	7,291	5.1
Buildings with Water Heating	58,479	42,817	40,185	9,966	48,476	7,424	5.0
Buildings with Cooking	23,065	15,994	15,633	4,555	17,764	2,854	8.1
Buildings with Manufacturing	3,174	2,453	2,277	438	2,703	712	16.0
Floors							
One	25,424	17,330	15,529	2,961	21,177	3,303	7.0
Two	18,025	14,059	12,948	2,892	15,994	2,071	7.3
Three	9,877	6,751	6,435	1,503	8,169	1,008	9.8
Four to Nine	10,377	5,181	4,887	1,513	6,520	957	12.3
Ten or More	4,173	2,927	2,968	1,098	3,085	657	18.8
Workers (main shift)							
Less than 5	17,944	9,628	7,658	1,602	12,716	1,151	8.6
5 to 9	7,524	5,842	5,193	904	6,833	1,055	8.3
10 to 19	8,077	5,649	5,169	1,216	7,168	1,067	9.2
20 to 49	10,556	8,030	7,747	1,724	9,110	1,235	8.4
50 to 99	7,763	6,026	5,799	1,366	6,733	1,234	12.5
100 to 249	7,378	5,194	5,108	1,363	5,861	1,054	13.8
250 or More	8,633	5,878	6,095	1,791	6,523	1,199	14.0
Weekly Operating Hours							
39 or Fewer	8,246	5,241	4,078	1,500	6,324	695	11.9
40 to 48	14,998	11,764	10,698	2,409	14,685	1,877	7.0
49 to 60	14,046	12,021	11,114	2,356	13,832	2,284	7.0
61 to 84	12,062	10,403	10,219	2,277	11,916	2,062	10.4
85 to 167	8,467	6,819	6,660	1,425	8,187	1,078	11.6
Open Continuously	10,057	Q	Q	Q	Q	Q	17.6
Ownership and Occupancy							
Nongovernment Owned	52,752	35,676	33,041	7,052	43,036	6,228	5.3
Owner Occupied	38,403	26,466	24,214	5,029	31,884	4,231	4.8
Nonowner Occupied	12,273	8,684	8,430	1,765	10,338	1,939	10.5
Unoccupied	2,077	526	398	258	814	Q	21.8
Government Owned	15,124	10,572	9,727	2,914	11,908	1,767	8.9
Primary Space-Heating Energy Source							
Electricity	15,502	10,439	9,788	2,604	11,948	1,913	8.8
Natural Gas	35,161	27,746	25,608	5,139	30,879	4,426	6.8
Fuel Oil	4,415	3,707	2,935	1,300	4,004	680	15.7
District Heat	5,014	2,659	2,489	564	2,971	458	16.0
Propane	1,101	955	734	170	1,049	276	23.2
Wood	257	218	Q	Q	242	Q	24.0
Any Other	546	525	Q	Q	546	Q	58.7
Cooling Energy Sources (more than one may apply)							
Electricity	54,628	40,349	41,173	8,479	45,643	7,000	5.2
Natural Gas	1,906	1,329	1,320	186	1,534	501	20.0
District Chilled Water	2,066	1,058	1,061	326	1,149	Q	21.7

See footnotes at end of table.

Table A63. Reduction in Equipment Use During Off Hours, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.8	0.8	0.8	1.3	0.8	1.9	
Water-Heating Energy Sources (more than one may apply)							
Electricity	25,482	18,864	18,052	4,279	22,061	3,497	7.6
Natural Gas	29,962	21,990	20,532	4,908	24,389	3,609	6.9
Fuel Oil	2,470	2,008	1,623	964	2,107	367	20.9
District Heat	3,308	1,739	1,651	387	1,980	Q	20.0
Propane	659	557	454	270	581	Q	31.1
Cooking Energy Sources (more than one may apply)							
Electricity	12,183	8,627	8,325	2,430	9,461	1,811	12.0
Natural Gas	15,233	10,693	10,612	2,985	11,858	1,631	10.1
Propane	1,039	729	710	288	820	Q	29.0
Percent of Floorspace Heated							
Not Heated	6,211	Q	771	115	3,551	156	22.6
1 to 50	11,195	8,552	7,616	1,340	9,474	1,725	13.5
51 to 99	10,211	8,053	7,616	1,926	8,837	1,765	9.0
100	40,260	29,493	26,765	6,585	33,082	4,350	5.1
Percent of Floorspace Cooled							
Not Cooled	10,835	4,322	Q	1,135	7,602	704	10.5
1 to 50	21,715	16,548	16,782	3,304	18,829	3,095	8.0
51 to 99	13,872	10,204	10,766	2,410	11,369	1,993	9.4
100	21,454	15,174	15,221	3,117	17,144	2,204	7.0
Percent Lit when Open							
Not Lit	3,280	549	376	261	931	Q	21.0
1 to 50	9,980	7,112	6,132	941	9,075	1,117	10.5
51 to 99	14,224	10,292	9,896	2,617	11,767	1,611	8.2
100	40,393	28,295	26,364	6,147	33,171	5,205	5.9
Percent Lit when Closed							
Not Lit	34,486	17,880	15,259	3,706	22,449	2,900	6.6
1 to 50	31,482	27,215	26,285	5,934	31,126	4,871	5.8
51 to 99	1,021	748	827	Q	903	Q	22.4
100	887	405	398	Q	466	Q	25.8
Heating Equipment (more than one may apply)							
Heat Pumps	8,269	5,587	5,605	1,275	6,607	754	10.5
Furnaces	16,909	14,148	12,673	1,850	15,547	2,412	8.2
Individual Space Heaters	22,380	16,889	15,017	2,635	18,578	3,427	7.5
District Heat	5,225	2,830	2,663	586	3,146	474	15.3
Boilers	20,664	14,367	13,369	4,512	16,319	2,301	7.5
Packaged Heating Units	16,000	12,862	12,835	2,623	14,078	2,221	9.6
Other	903	564	542	Q	647	Q	29.3
Cooling Equipment (more than one may apply)							
Residential-Type Central							
Air Conditioners	9,021	7,011	7,147	1,126	7,900	1,102	9.3
Heat Pumps	8,406	5,753	5,822	1,330	6,732	773	10.3
Individual Air							
Conditioners	17,979	11,708	12,112	2,306	13,493	2,177	10.4
District Chilled Water	2,066	1,058	1,061	326	1,149	Q	21.7
Central Chillers	12,991	7,870	8,233	2,525	8,883	1,575	10.1
Packaged Air-Conditioning							
Units	27,830	20,867	21,335	4,190	23,440	3,983	6.5
Swamp Coolers	2,085	1,614	1,639	253	1,758	Q	24.9
Other	268	Q	Q	Q	237	Q	52.1

See footnotes at end of table.

Table A63. Reduction in Equipment Use During Off Hours, Floorspace, 1992 (Continued)
(Million Square Feet)

Building Characteristics	All Buildings	Off-Hour Equipment Reduction (more than one may apply)					RSE Row Factor
		Heating	Cooling	Hot Water	Lighting	Other	
RSE Column Factor:	0.8	0.8	0.8	1.3	0.8	1.9	
Lighting Equipment Types (more than one may apply)							
Incandescent	39,221	27,823	25,769	6,665	32,756	4,989	6.0
Standard Fluorescent	62,074	44,726	41,757	9,483	51,840	7,831	4.8
Compact Fluorescent	8,336	5,812	5,617	1,659	6,317	1,170	11.5
High-Intensity Discharge	17,570	12,443	11,986	3,081	14,013	2,170	9.5
Other	1,612	1,208	1,150	158	1,325	228	20.2
Water-Heating Equipment (more than one may apply)							
Centralized System	31,599	21,660	20,206	5,736	25,008	4,100	6.6
Self-Heating Tank	24,464	16,996	15,694	4,453	19,951	3,368	7.7
Heated by Space-Heating Equipment	3,722	2,410	2,303	604	2,577	484	19.4
Other	4,032	2,435	2,379	754	2,723	264	16.6
Distributed System	29,502	22,288	21,047	4,556	24,757	3,618	7.8
Residential-Type Storage Tank	25,809	20,255	19,122	4,167	22,633	3,312	7.9
Point-of-Use Heaters	3,367	1,932	1,849	332	2,009	Q	29.1
Other	1,259	723	688	151	767	Q	24.3
Energy Conservation Features (more than one may apply)							
Any Conservation Features	64,403	45,323	42,049	9,901	52,836	7,887	4.9
Building Shell	62,056	44,055	40,921	9,745	51,227	7,741	4.9
HVAC	50,281	36,041	34,136	8,391	40,914	5,783	4.9
Lighting	29,453	20,997	20,334	4,955	23,627	3,616	6.6
Other	5,952	4,236	3,851	982	4,467	783	10.0
Off-Hour Equipment Reduction (more than one may apply)							
Heating	46,248	46,248	40,965	9,705	45,945	7,182	4.9
Cooling	42,768	40,965	42,768	8,608	42,420	6,617	5.2
Hot Water	9,966	9,705	8,608	9,966	9,929	2,040	7.1
Lighting	54,944	45,945	42,420	9,929	54,944	7,957	4.6
Other	7,996	7,182	6,617	2,040	7,957	7,996	12.2

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 A64. Participation in Lighting Demand-Side Management (DSM) Program,
Number of Buildings, 1992**
(Thousand)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with Lighting DSM Programs	Type of Lighting Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.3	0.8	0.9	1.3	1.3	1.3	1.8	
All Buildings	4,806	315	228	73	98	105	30	10.2
Building Floorspace (square feet)								
1,001 to 5,000	2,681	103	75	18	32	36	Q	17.8
5,001 to 10,000	975	66	47	17	26	24	Q	18.8
10,001 to 25,000	647	68	46	14	20	18	Q	16.7
25,001 to 50,000	280	30	25	10	10	11	Q	18.1
50,001 to 100,000	116	23	16	7	5	8	Q	16.9
100,001 to 200,000	71	14	9	3	2	4	3	20.1
200,001 to 500,000	26	9	8	3	2	3	2	21.2
Over 500,000	9	2	2	1	1	1	Q	22.2
Principal Building Activity								
Education	301	54	37	16	14	24	5	19.3
Food Sales	130	Q	Q	Q	Q	Q	Q	38.9
Food Service	260	24	18	Q	Q	Q	Q	25.7
Health Care	63	11	10	Q	Q	6	Q	35.0
Lodging	154	21	18	Q	Q	Q	Q	30.4
Mercantile and Service	1,272	50	40	14	18	15	Q	22.6
Office	749	62	47	21	26	17	6	16.8
Parking Garage	24	Q	Q	Q	Q	Q	Q	67.6
Public Assembly	278	24	14	Q	Q	Q	Q	22.1
Public Order and Safety	60	Q	Q	Q	Q	Q	Q	53.3
Religious Worship	366	15	Q	Q	Q	Q	Q	31.1
Warehouse and Storage	761	24	17	Q	Q	9	Q	29.4
Other	69	Q	Q	Q	Q	Q	Q	46.5
Vacant	319	7	Q	Q	Q	Q	Q	36.4
Year Constructed								
1899 or Before	169	12	9	Q	Q	Q	Q	39.5
1900 to 1919	255	18	14	Q	Q	Q	Q	34.5
1920 to 1945	724	45	36	11	18	17	Q	24.3
1946 to 1959	880	55	42	16	11	16	Q	18.6
1960 to 1969	783	53	39	8	14	25	4	19.8
1970 to 1979	982	74	53	15	24	24	8	17.7
1980 to 1989	884	51	31	10	18	12	5	20.5
1990 to 1992	128	7	4	2	1	Q	Q	35.2
Census Region								
Northeast	771	99	85	30	41	45	9	18.3
Midwest	1,202	68	49	14	10	32	4	21.8
South	1,963	72	44	10	22	7	10	20.7
West	870	75	50	19	25	21	8	20.9
Energy Sources (more than one may apply)								
Electricity	4,616	315	228	73	98	105	30	10.2
Natural Gas	2,665	195	144	55	55	69	19	12.3
Fuel Oil	559	65	50	16	25	20	6	18.1
District Heat	95	30	21	4	9	14	3	25.1
District Chilled Water	28	11	6	Q	4	Q	Q	40.5
Propane	337	18	14	Q	Q	Q	Q	35.7
Any Other	163	Q	Q	Q	Q	Q	Q	33.3

See footnotes at end of table.

Table A64. Participation in Lighting Demand-Side Management (DSM) Program, Number of Buildings, 1992 (Continued)

(Thousand)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with Lighting DSM Programs	Type of Lighting Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.3	0.8	0.9	1.3	1.3	1.3	1.8	
Ownership and Occupancy								
Nongovernment Owned	4,206	229	165	50	75	79	19	11.9
Owner Occupied	3,192	199	146	42	68	73	17	12.5
Nonowner Occupied	817	27	19	8	7	7	Q	24.9
Unoccupied	197	Q	Q	Q	Q	Q	Q	30.5
Government Owned	599	86	62	22	23	25	11	17.8

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 A65. Participation in Lighting Demand-Side Management (DSM) Program, Floorspace, 1992
(Million Square Feet)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with Lighting DSM Programs	Type of Lighting Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.4	0.8	0.9	1.3	1.1	1.1	2.1	
All Buildings	67,876	11,310	8,805	3,168	2,691	3,785	1,946	9.3
Building Floorspace (square feet)								
1,001 to 5,000	7,327	321	225	60	94	113	Q	18.9
5,001 to 10,000	7,199	485	345	130	188	175	Q	19.0
10,001 to 25,000	10,375	1,075	704	225	302	298	Q	16.9
25,001 to 50,000	10,069	1,105	951	373	385	427	Q	18.2
50,001 to 100,000	8,062	1,581	1,128	501	357	549	Q	17.5
100,001 to 200,000	9,678	1,960	1,235	468	322	584	390	20.5
200,001 to 500,000	7,889	2,548	2,247	854	544	1,018	445	21.7
Over 500,000	7,278	2,235	1,970	557	499	620	Q	21.6
Principal Building Activity								
Education	8,470	2,560	1,933	791	608	1,083	293	19.9
Food Sales	757	Q	Q	Q	Q	Q	Q	39.4
Food Service	1,491	159	112	Q	Q	Q	Q	30.8
Health Care	1,763	911	715	Q	Q	343	Q	25.3
Lodging	2,891	707	515	Q	Q	Q	Q	34.7
Mercantile and Service	12,402	1,728	1,482	368	292	311	Q	26.2
Office	12,319	2,707	2,062	924	888	901	347	13.0
Parking Garage	1,652	Q	Q	Q	Q	Q	Q	67.3
Public Assembly	4,556	700	432	Q	Q	Q	Q	34.2
Public Order and Safety	820	Q	Q	Q	Q	Q	Q	58.8
Religious Worship	3,747	402	Q	Q	Q	Q	Q	39.7
Warehouse and Storage	11,484	648	537	Q	Q	256	Q	25.1
Other	1,130	221	194	Q	Q	Q	Q	43.5
Vacant	4,396	126	Q	Q	Q	Q	Q	37.8
Year Constructed								
1899 or Before	1,721	161	144	Q	Q	Q	Q	34.5
1900 to 1919	3,608	476	374	Q	Q	Q	Q	35.6
1920 to 1945	8,712	1,244	871	364	270	431	Q	22.6
1946 to 1959	10,421	1,331	1,105	420	233	489	Q	21.9
1960 to 1969	12,612	2,793	2,236	528	655	869	991	20.3
1970 to 1979	14,014	2,741	2,314	943	655	984	424	16.3
1980 to 1989	14,287	2,060	1,359	514	497	589	161	17.3
1990 to 1992	2,502	504	402	255	142	131	Q	26.0
Census Region								
Northeast	13,400	3,436	3,014	1,018	1,001	1,597	Q	16.2
Midwest	17,280	3,279	2,620	1,068	537	1,039	448	18.9
South	24,577	2,600	1,740	562	559	433	478	17.6
West	12,619	1,994	1,431	520	594	715	310	14.8
Energy Sources (more than one may apply)								
Electricity	66,549	11,310	8,805	3,168	2,691	3,785	1,946	9.3
Natural Gas	45,097	8,665	6,855	2,494	2,046	2,831	1,602	11.2
Fuel Oil	13,218	4,148	3,410	1,173	1,148	1,653	669	13.0
District Heat	5,339	1,676	1,305	497	349	747	391	20.0
District Chilled Water	2,066	644	479	Q	139	124	Q	31.2
Propane	3,393	529	427	Q	Q	Q	Q	33.6
Any Other	1,551	Q	Q	Q	Q	Q	Q	46.6

See footnotes at end of table.

Table A65. Participation in Lighting Demand-Side Management (DSM) Program, Floorspace, 1992 (Continued)

(Million Square Feet)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with Lighting DSM Programs	Type of Lighting Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.4	0.8	0.9	1.3	1.1	1.1	2.1	
Ownership and Occupancy								
Nongovernment Owned	52,752	7,030	5,492	1,994	1,829	2,418	946	9.2
Owner Occupied	38,403	5,883	4,691	1,755	1,617	2,077	849	9.6
Nonowner Occupied	12,273	1,105	772	239	183	341	Q	23.8
Unoccupied	2,077	Q	Q	Q	Q	Q	Q	30.2
Government Owned	15,124	4,279	3,313	1,174	862	1,366	1,000	17.6

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

Notes: • To obtain 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 A66. Participation in Heating, Ventilation and Air Conditioning (HVAC) Demand-Side Management (DSM) Program, Number of Buildings, 1992
(Thousand)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with HVAC DSM Programs	Type of HVAC Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.3	0.8	0.9	1.4	1.3	1.6	1.5	
All Buildings	4,806	315	154	56	60	48	43	10.5
Building Floorspace (square feet)								
1,001 to 5,000	2,681	103	46	20	18	20	Q	18.9
5,001 to 10,000	975	66	30	Q	Q	Q	Q	17.9
10,001 to 25,000	647	68	36	11	16	Q	11	17.7
25,001 to 50,000	280	30	14	Q	6	Q	Q	19.5
50,001 to 100,000	116	23	12	4	4	2	4	19.5
100,001 to 200,000	71	14	9	4	3	3	4	19.7
200,001 to 500,000	26	9	5	2	2	1	2	25.2
Over 500,000	9	2	2	(*)	1	1	(*)	27.0
Principal Building Activity								
Education	301	54	32	10	8	17	7	22.0
Food Sales	130	Q	Q	Q	Q	Q	Q	41.5
Food Service	260	24	Q	Q	Q	Q	Q	26.7
Health Care	63	11	4	Q	Q	Q	2	32.1
Lodging	154	21	8	Q	Q	Q	Q	34.2
Mercantile and Service	1,272	50	21	Q	12	Q	Q	22.8
Office	749	62	27	13	12	5	8	19.5
Parking Garage	24	Q	Q	Q	Q	Q	Q	72.2
Public Assembly	278	24	15	Q	Q	Q	Q	24.1
Public Order and Safety	60	Q	Q	Q	Q	Q	Q	56.9
Religious Worship	366	15	Q	Q	Q	Q	Q	33.2
Warehouse and Storage	761	24	13	Q	Q	Q	Q	28.7
Other	69	Q	Q	Q	Q	Q	Q	49.6
Vacant	319	7	Q	Q	Q	Q	Q	38.9
Year Constructed								
1899 or Before	169	12	Q	Q	Q	Q	Q	39.9
1900 to 1919	255	18	7	Q	Q	Q	Q	37.3
1920 to 1945	724	45	14	8	Q	Q	Q	26.8
1946 to 1959	880	55	24	6	Q	10	4	22.2
1960 to 1969	783	53	29	8	10	10	8	22.6
1970 to 1979	982	74	43	19	14	6	12	20.1
1980 to 1989	884	51	27	8	15	12	8	21.3
1990 to 1992	128	7	Q	1	Q	Q	Q	40.4
Census Region								
Northeast	771	99	30	11	13	7	11	21.1
Midwest	1,202	68	33	13	10	9	10	19.1
South	1,963	72	49	18	19	13	9	21.5
West	870	75	41	14	19	19	13	20.5
Energy Sources (more than one may apply)								
Electricity	4,616	315	154	56	60	48	43	10.4
Natural Gas	2,665	195	92	38	33	31	27	11.6
Fuel Oil	559	65	32	7	13	4	11	21.5
District Heat	95	30	16	4	8	6	5	28.9
District Chilled Water	28	11	6	Q	Q	Q	Q	46.4
Propane	337	18	8	Q	Q	Q	Q	40.2
Any Other	163	Q	Q	Q	Q	Q	Q	35.5

See footnotes at end of table.

Table A66. Participation in Heating, Ventilation and Air Conditioning (HVAC) Demand-Side Management (DSM) Program, Number of Buildings, 1992 (Continued)

(Thousand)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with HVAC DSM Programs	Type of HVAC Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.3	0.8	0.9	1.4	1.3	1.6	1.5	
Ownership and Occupancy								
Nongovernment Owned	4,206	229	104	41	44	27	30	11.7
Owner Occupied	3,192	199	89	34	37	22	26	12.3
Nonowner Occupied	817	27	13	7	5	5	Q	25.4
Unoccupied	197	Q	Q	Q	Q	Q	Q	32.6
Government Owned	599	86	49	15	16	21	13	19.9

(*) = 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 A67. Participation in Heating, Ventilation and Air Conditioning (HVAC) Demand-Side Management (DSM) Program, Number of Buildings, 1992
(Million Square Feet)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with HVAC DSM Programs	Type of HVAC Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.4	0.7	0.9	1.4	1.1	1.6	1.5	
All Buildings	67,876	11,310	6,370	2,389	2,395	1,775	2,086	9.9
Building Floorspace (square feet)								
1,001 to 5,000	7,327	321	152	69	60	70	Q	19.7
5,001 to 10,000	7,199	485	222	Q	Q	Q	Q	16.7
10,001 to 25,000	10,375	1,075	595	186	247	Q	177	17.6
25,001 to 50,000	10,069	1,105	541	Q	229	Q	Q	19.9
50,001 to 100,000	8,062	1,581	843	289	321	154	320	19.5
100,001 to 200,000	9,678	1,960	1,236	553	449	361	529	20.3
200,001 to 500,000	7,889	2,548	1,490	636	502	312	537	25.4
Over 500,000	7,278	2,235	1,291	430	509	498	274	23.5
Principal Building Activity								
Education	8,470	2,560	1,434	595	547	358	522	22.6
Food Sales	757	Q	Q	Q	Q	Q	Q	41.7
Food Service	1,491	159	Q	Q	Q	Q	Q	30.8
Health Care	1,763	911	663	Q	Q	Q	410	27.5
Lodging	2,891	707	510	Q	Q	Q	Q	36.9
Mercantile and Service	12,402	1,728	690	Q	287	Q	Q	25.3
Office	12,319	2,707	1,696	730	697	370	417	14.0
Parking Garage	1,652	Q	Q	Q	Q	Q	Q	71.2
Public Assembly	4,556	700	461	Q	Q	Q	Q	35.1
Public Order and Safety	820	Q	Q	Q	Q	Q	Q	62.2
Religious Worship	3,747	402	Q	Q	Q	Q	Q	42.0
Warehouse and Storage	11,484	648	320	Q	Q	Q	Q	28.8
Other	1,130	221	Q	Q	Q	Q	Q	44.2
Vacant	4,396	126	Q	Q	Q	Q	Q	40.0
Year Constructed								
1899 or Before	1,721	161	Q	Q	Q	Q	Q	35.6
1900 to 1919	3,608	476	189	Q	Q	Q	Q	38.3
1920 to 1945	8,712	1,244	741	350	Q	Q	Q	29.3
1946 to 1959	10,421	1,331	629	182	Q	159	180	21.1
1960 to 1969	12,612	2,793	1,497	369	642	308	638	19.3
1970 to 1979	14,014	2,741	1,637	796	417	480	494	20.1
1980 to 1989	14,287	2,060	1,289	436	554	388	368	19.1
1990 to 1992	2,502	504	330	196	207	141	142	26.7
Census Region								
Northeast	13,400	3,436	1,386	601	672	546	357	19.4
Midwest	17,280	3,279	1,988	742	675	393	649	20.5
South	24,577	2,600	1,777	566	555	299	619	17.5
West	12,619	1,994	1,220	479	495	537	461	16.3
Energy Sources (more than one may apply)								
Electricity	66,549	11,310	6,370	2,389	2,395	1,775	2,086	9.9
Natural Gas	45,097	8,665	4,910	1,806	1,670	1,343	1,679	11.3
Fuel Oil	13,218	4,148	2,818	797	1,076	872	1,084	14.3
District Heat	5,339	1,676	966	410	437	341	317	22.7
District Chilled Water	2,066	644	418	Q	225	131	178	25.8
Propane	3,393	529	365	Q	Q	Q	Q	35.6
Any Other	1,551	Q	Q	Q	Q	Q	Q	49.3

See footnotes at end of table.

Table A67. Participation in Heating, Ventilation and Air Conditioning (HVAC) Demand-Side Management (DSM) Program, Number of Buildings, 1992 (Continued)

(Million Square Feet)

Building Characteristics	All Buildings	All Buildings with Any DSM Programs	All Buildings with HVAC DSM Programs	Type of HVAC Assistance (more than one may apply)				RSE Row Factor
				General Information	Site-Specific Information	Incentives	Other	
RSE Column Factor:	0.4	0.7	0.9	1.4	1.1	1.6	1.5	
Ownership and Occupancy								
Nongovernment Owned	52,752	7,030	4,120	1,473	1,477	1,196	1,177	9.5
Owner Occupied	38,403	5,883	3,407	1,232	1,271	948	1,008	10.3
Nonowner Occupied	12,273	1,105	701	241	193	248	Q	24.2
Unoccupied	2,077	Q	Q	Q	Q	Q	Q	31.9
Government Owned	15,124	4,279	2,250	915	919	578	909	19.4

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

Notes: • To obtain 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.