

Table 3.34. Energy Conservation Features in FBSS Building in Federal Region 3, Number of Buildings and Floorspace, 1993

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
All Buildings	312	309	290	303	210	94,880	94,361	84,557	93,543	80,953
Building Floorspace (square feet)										
10,000 to 50,000	94	94	91	92	52	2,564	2,564	2,451	2,541	1,401
50,001 to 200,000	117	115	110	112	74	13,166	12,906	12,381	12,538	8,315
Over 200,000	101	100	89	99	84	79,149	78,891	69,724	78,464	71,238
Principal Building Activity										
Education	8	8	8	8	5	598	598	598	598	459
Health Care	41	41	41	40	31	14,559	14,559	14,559	14,412	12,538
Laboratory	37	37	37	37	13	5,165	5,165	5,165	5,165	2,654
Lodging	13	13	12	13	6	2,558	2,558	1,077	2,558	605
Mercantile and Service	46	46	44	45	29	7,966	7,966	7,863	7,907	6,050
Office	124	124	111	120	103	56,881	56,881	48,877	56,269	53,853
All Others	43	40	37	40	23	7,152	6,633	6,418	6,633	4,795
Year Constructed										
1959 or Before	142	140	128	136	98	43,829	43,510	37,203	43,129	37,505
1960 to 1969	70	70	65	69	41	19,564	19,564	16,273	19,138	14,596
1970 to 1979	47	47	46	47	32	17,737	17,737	17,679	17,737	16,630
1980 to 1989	38	37	37	36	29	8,975	8,775	8,775	8,765	8,058
1990 to 1993	15	15	14	15	10	4,774	4,774	4,626	4,774	4,163
Federal Agency										
Department of Defense	22	21	20	21	14	13,988	13,928	12,447	13,928	12,088
General Services Administration	83	82	69	81	73	46,205	45,946	37,942	45,519	43,692
United States Postal Service	57	57	55	55	36	9,392	9,392	9,289	9,319	6,866
Veterans Administration	56	55	54	53	40	13,306	13,106	12,958	12,949	10,241
All Others	94	94	92	93	47	11,989	11,989	11,921	11,827	8,067
Energy Sources (more than one may apply)										
Electricity	311	308	289	302	209	94,161	93,642	83,838	92,824	80,234
Natural Gas	139	139	130	136	100	58,674	58,674	53,375	58,454	52,264
Fuel Oil	89	89	86	88	63	39,300	39,300	37,719	39,153	35,096
District Heat	154	153	142	151	103	63,991	63,931	57,611	63,342	56,414
District Chilled Water	57	57	57	56	35	22,922	22,922	22,922	22,495	19,908
Propane	5	5	5	5	4	941	941	941	941	905
Any Other	8	8	6	8	6	4,470	4,470	2,941	4,470	4,293
Energy End Uses (more than one may apply)										
Heating	307	306	287	300	207	94,063	94,003	84,198	93,184	80,595
Air Conditioning	305	304	285	298	207	93,454	93,394	83,590	92,576	80,039
Water Heating	303	302	284	296	205	93,138	93,078	83,299	92,260	80,064
Cooking	108	108	103	107	91	69,947	69,947	64,665	69,520	63,750
Manufacturing	50	49	48	48	35	27,041	26,981	26,923	26,922	24,375
Workers (main shift)										
Less than 50	71	69	64	66	35	4,102	3,643	3,113	3,194	1,978
50 to 99	39	39	38	39	26	1,903	1,903	1,858	1,903	1,354
100 to 499	107	106	103	103	68	13,632	13,572	13,300	13,203	8,973
500 or More	95	95	85	95	81	75,243	75,243	66,285	75,243	68,648
Weekly Operating Hours										
48 or Fewer	51	50	44	47	35	9,694	9,634	5,910	9,036	8,377
49 to 60	76	76	73	76	55	25,540	25,540	24,449	25,540	23,182
61 to 167	60	60	54	59	40	11,993	11,993	8,720	11,980	10,939
Open Continuously	125	123	119	121	80	47,653	47,194	45,477	46,987	38,455

See footnotes at end of table.

Table 3.34. Energy Conservation Features in FBSS Building in Federal Region 3, Number of Buildings and Floorspace, 1993 (Continued)

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
Percent Window Glass										
50 or Less	269	266	249	261	173	79,002	78,483	69,326	78,091	67,002
51 to 100	42	42	40	41	36	14,878	14,878	14,231	14,452	12,952
Don't Know	1	1	1	1	1	1,000	1,000	1,000	1,000	1,000
Multibuilding Facility										
Yes	176	174	163	170	110	43,861	43,601	38,067	42,806	33,289
No	136	135	127	133	100	51,018	50,760	46,490	50,737	47,664
Percent of Floorspace Heated										
Not Heated	5	3	3	3	3	817	359	359	359	359
1 to 50	12	12	11	10	7	5,787	5,787	5,639	5,350	5,127
51 to 100	295	294	276	290	200	88,275	88,215	78,559	87,834	75,468
Percent of Floorspace Cooled										
Not Cooled	13	11	10	11	7	3,582	3,123	1,641	3,123	1,209
1 to 50	30	30	25	29	18	9,874	9,874	9,351	9,864	9,047
51 to 100	269	268	255	263	185	81,424	81,364	73,565	80,556	70,697
Percent Lit When Open										
1 to 50	11	11	9	10	5	663	663	515	653	297
51 to 100	300	297	280	293	205	94,070	93,551	83,895	92,890	80,656
No Operating Hours	1	1	1	NC	NC	147	147	147	NC	NC
Don't Know	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Heating Equipment (more than one may apply)										
Heat Pumps	34	34	34	32	28	10,922	10,922	10,922	10,485	10,724
Furnaces	16	16	15	15	8	1,694	1,694	1,636	1,635	1,332
Individual Space Heaters	75	75	69	73	56	34,923	34,923	32,183	34,717	31,690
District Heat	167	166	152	164	107	67,704	67,644	59,221	67,055	57,181
Boilers	93	93	89	91	69	20,082	20,082	18,726	20,009	18,347
Packaged-Heating Units	25	25	25	24	17	6,006	6,006	6,006	5,579	4,321
Cooling Equipment (more than one may apply)										
Residential-Type Central A/C	30	30	25	29	19	19,073	19,073	16,160	19,060	16,883
Heat Pumps	37	37	34	35	29	11,388	11,388	9,517	10,951	11,170
Individual A/C	80	80	72	79	60	28,082	28,082	25,938	28,023	23,933
District Chilled Water	72	72	71	72	45	28,194	28,194	28,046	28,194	23,915
Central Chillers	158	158	146	155	120	63,914	63,914	56,118	63,281	57,368
Packaged-A/C Units	127	127	117	125	94	56,664	56,664	51,507	56,075	51,246
Swamp Coolers	3	3	3	3	3	378	378	378	378	378
Lighting Equipment (more than one may apply)										
Incandescent	184	182	170	180	133	64,981	64,662	57,532	64,593	57,794
Standard Fluorescent	300	299	281	294	205	91,986	91,926	82,147	91,255	80,314
Compact Fluorescent	80	80	72	80	72	49,455	49,455	42,933	49,455	48,012
High-Intensity Discharge	111	109	102	109	82	52,593	52,134	48,685	52,134	47,858
Electronic Ballast	135	135	126	135	115	65,560	65,560	60,177	65,560	62,397
Energy Management Practices (more than one may apply)										
Energy Management and Control System	132	132	127	132	105	61,891	61,891	57,447	61,891	55,202
Energy Conservation Programs ¹	99	97	87	97	84	59,284	59,024	51,419	59,024	56,297
Energy Audit	99	98	90	98	74	37,621	37,421	33,287	37,421	34,439
HVAC Maintenance Staff ²	97	96	84	96	67	52,924	52,665	43,488	52,665	44,519

See footnotes at end of table.

Table 3.34. Energy Conservation Features in FBSS Building in Federal Region 3, Number of Buildings and Floorspace, 1993 (Continued)

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
Off-Hours Reduction in Equipment (more than one may apply)										
Heating	144	144	130	140	107	43,828	43,828	35,766	43,217	40,223
Cooling	145	145	130	141	109	43,757	43,757	35,669	43,145	40,171
Hot Water	77	77	69	76	65	26,018	26,018	21,230	25,591	24,187
Lighting	162	162	148	159	119	44,717	44,717	36,688	44,118	41,127

¹ Building participates in any programs sponsored by the Federal Energy Management Program, in-house, utility, or third party.

² HVAC maintenance staff means at least one person spends at least half their working hours maintaining the heating/cooling equipment.

NC = No cases in responding sample.

Notes: • Total workers are the number of workers during the main shift. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • These data are from 881 federally owned buildings having the following criteria: (1) located in Federal Regions 3, 6, or 9; (2) larger than 10,000 square feet; and (3) used for a commercial purpose, other than warehouse and storage. In addition, 9 out of 10 selected buildings were from agencies other than the Department of Defense. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • A/C = Air Conditioning. • FBSS = Federal Buildings Supplemental Survey. • HVAC = Heating, Ventilation, and Air Conditioning. • Data are for Fiscal Year 1993 (October 1, 1992 through September 30, 1993). • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, 1993 Federal Buildings Supplemental Survey.

Table 3.35. Energy Conservation Features in FBSS Buildings in Federal Region 6, Number of Buildings and Floorspace, 1993

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
All Buildings	243	242	228	236	136	35,816	35,734	33,946	35,425	25,654
Building Floorspace (square feet)										
10,000 to 50,000	107	107	102	103	55	2,591	2,591	2,454	2,525	1,450
50,001 to 200,000	86	85	79	83	42	9,548	9,466	8,763	9,224	4,717
Over 200,000	50	50	47	50	39	23,677	23,677	22,728	23,677	19,487
Principal Building Activity										
Education	6	6	6	6	6	168	168	168	168	168
Health Care	35	35	32	34	24	12,094	12,094	11,738	11,951	10,284
Laboratory	29	29	27	29	8	3,331	3,331	3,131	3,331	715
Lodging	16	16	14	16	11	942	942	757	942	704
Mercantile and Service	49	49	48	48	30	6,236	6,236	5,791	6,136	4,474
Office	76	76	73	73	43	10,799	10,799	10,616	10,752	8,453
All Others	32	31	28	30	14	2,247	2,165	1,745	2,146	856
Year Constructed										
1959 or Before	103	102	94	100	52	13,258	13,176	11,805	13,023	7,543
1960 to 1969	38	38	36	36	26	6,386	6,386	6,107	6,356	5,577
1970 to 1979	34	34	34	33	20	6,175	6,175	6,175	6,075	4,743
1980 to 1989	57	57	54	57	31	6,903	6,903	6,822	6,903	4,785
1990 to 1993	11	11	10	10	7	3,095	3,095	3,037	3,070	3,006
Federal Agency										
Department of Defense	22	22	21	20	12	1,668	1,668	1,658	1,501	1,042
General Services Administration	35	35	35	35	28	7,888	7,888	7,888	7,888	7,128
United States Postal Service	61	61	57	59	37	7,027	7,027	6,396	6,916	4,947
Veterans Administration	36	36	33	36	24	11,375	11,375	11,019	11,375	9,709
All Others	89	88	82	86	35	7,858	7,776	6,984	7,746	2,828
Energy Sources (more than one may apply)										
Electricity	243	242	228	236	136	35,816	35,734	33,946	35,425	25,654
Natural Gas	168	168	163	163	98	24,827	24,827	24,186	24,544	18,117
Fuel Oil	18	18	17	17	14	4,740	4,740	4,294	4,598	4,492
District Heat	68	68	59	68	33	13,437	13,437	12,289	13,437	9,527
District Chilled Water	30	30	27	30	21	7,980	7,980	7,624	7,980	7,497
Propane	5	5	5	5	1	200	200	200	200	135
Any Other	8	8	8	8	7	2,850	2,850	2,850	2,850	2,709
Energy End Uses (more than one may apply)										
Heating	242	242	228	236	136	35,734	35,734	33,946	35,425	25,654
Air Conditioning	241	241	227	235	135	35,273	35,273	33,485	34,965	25,193
Water Heating	238	238	224	233	133	35,221	35,221	33,432	34,932	25,154
Cooking	63	63	62	63	48	19,213	19,213	19,203	19,213	16,821
Manufacturing	28	28	27	27	22	5,335	5,335	4,890	5,316	4,471
Workers (main shift)										
Less than 50	70	69	63	66	34	2,548	2,466	2,074	2,425	1,226
50 to 99	44	44	41	43	24	2,026	2,026	1,874	1,926	1,253
100 to 499	80	80	76	78	39	9,029	9,029	8,231	8,862	4,083
500 or More	49	49	48	49	39	22,213	22,213	21,767	22,213	19,091
Weekly Operating Hours										
48 or Fewer	39	38	33	35	22	2,740	2,658	2,245	2,486	1,802
49 to 60	46	46	45	46	28	6,460	6,460	6,447	6,460	5,279
61 to 167	78	78	75	75	32	8,051	8,051	7,636	7,915	3,672
Open Continuously	80	80	75	80	54	18,565	18,565	17,618	18,565	14,901

See footnotes at end of table.

Table 3.35. Energy Conservation Features in FBSS Buildings in Federal Region 6, Number of Buildings and Floorspace, 1993 (Continued)

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
Percent Window Glass										
50 or Less	204	203	189	197	125	29,836	29,754	27,965	29,445	23,491
51 to 100	16	16	16	16	11	3,429	3,429	3,429	3,429	2,163
Don't Know	23	23	23	23	NC	2,552	2,552	2,552	2,552	NC
Multibuilding Facility										
Yes	148	147	137	145	75	24,441	24,359	22,765	24,328	17,836
No	95	95	91	91	61	11,375	11,375	11,180	11,097	7,819
Percent of Floorspace Heated										
Not Heated	1	NC	NC	NC	NC	82	NC	NC	NC	NC
1 to 50	11	11	10	11	8	1,288	1,288	1,123	1,288	1,197
51 to 100	231	231	218	225	128	34,446	34,446	32,823	34,138	24,457
Percent of Floorspace Cooled										
Not Cooled	3	2	2	2	1	554	472	472	472	461
1 to 50	26	26	24	25	13	1,951	1,951	1,747	1,931	1,120
51 to 100	214	214	202	209	122	33,312	33,312	31,726	33,023	24,073
Percent Lit When Open										
1 to 50	15	15	12	15	7	1,062	1,062	873	1,062	485
51 to 100	227	227	216	221	129	34,672	34,672	33,072	34,364	25,169
No Operating Hours	1	NC	NC	NC	NC	82	NC	NC	NC	NC
Don't Know	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Heating Equipment (more than one may apply)										
Heat Pumps	10	10	10	9	7	964	964	964	939	910
Furnaces	18	18	18	16	11	791	791	791	680	429
Individual Space Heaters	30	30	30	28	20	5,408	5,408	5,408	5,377	4,370
District Heat	82	82	73	82	42	15,205	15,205	14,057	15,205	10,979
Boilers	102	102	99	101	57	16,718	16,718	16,100	16,576	11,447
Packaged-Heating Units	59	59	57	58	39	7,574	7,574	7,550	7,563	5,574
Cooling Equipment (more than one may apply)										
Residential-Type Central A/C	29	29	28	27	19	4,706	4,706	4,579	4,595	4,166
Heat Pumps	11	11	11	10	9	1,549	1,549	1,549	1,524	1,507
Individual A/C	50	50	46	48	23	6,950	6,950	6,405	6,919	3,509
District Chilled Water	44	44	40	44	24	10,856	10,856	10,258	10,856	9,134
Central Chillers	122	122	116	121	72	21,596	21,596	20,632	21,454	14,852
Packaged-A/C Units	97	97	93	96	59	14,104	14,104	13,783	14,094	10,742
Swamp Coolers	12	12	12	12	9	2,015	2,015	2,015	2,015	1,750
Lighting Equipment (more than one may apply)										
Incandescent	135	135	128	133	68	20,248	20,248	19,082	20,087	12,950
Standard Fluorescent	235	235	222	229	132	35,057	35,057	33,281	34,748	25,288
Compact Fluorescent	29	29	28	29	25	7,942	7,942	7,807	7,942	6,370
High-Intensity Discharge	64	64	64	64	36	16,188	16,188	16,188	16,188	11,208
Electronic Ballast	59	59	57	59	51	15,861	15,861	15,378	15,861	14,240
Energy Management Practices (more than one may apply)										
Energy Management and Control System	96	96	94	96	59	23,099	23,099	22,678	23,099	17,983
Energy Conservation Programs ¹	48	48	47	47	36	13,513	13,513	13,067	13,488	12,677
Energy Audit	64	64	62	61	45	11,690	11,690	11,231	11,643	8,781
HVAC Maintenance Staff ²	57	57	56	56	40	15,538	15,538	15,092	15,396	12,576

See footnotes at end of table.

Table 3.35. Energy Conservation Features in FBSS Buildings in Federal Region 6, Number of Buildings and Floorspace, 1993 (Continued)

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
Off-Hours Reduction in Equipment (more than one may apply)										
Heating	123	123	115	117	75	13,162	13,162	12,360	12,854	9,864
Cooling	124	124	116	118	77	13,864	13,864	13,061	13,555	10,589
Hot Water	33	33	33	31	21	4,554	4,554	4,554	4,518	3,532
Lighting	120	120	112	114	74	12,847	12,847	12,045	12,538	9,586

¹ Building participates in any programs sponsored by the Federal Energy Management Program, in-house, utility, or third party.

² HVAC maintenance staff means at least one person spends at least half their working hours maintaining the heating/cooling equipment.

NC = No cases in responding sample.

Notes: • Total workers are the number of workers during the main shift. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • These data are from 881 federally owned buildings having the following criteria: (1) located in Federal Regions 3, 6, or 9; (2) larger than 10,000 square feet; and (3) used for a commercial purpose, other than warehouse and storage. In addition, 9 out of 10 selected buildings were from agencies other than the Department of Defense. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • A/C = Air Conditioning. • FBSS = Federal Buildings Supplemental Survey. • HVAC = Heating, Ventilation, and Air Conditioning. • Data are for Fiscal Year 1993 (October 1, 1992 through September 30, 1993). • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, 1993 Federal Buildings Supplemental Survey.

Table 3.36. Energy Conservation Features in FBSS Buildings in Federal Region 9, Number of Buildings and Floorspace, 1993

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
All Buildings	326	319	248	307	217	44,316	44,023	34,105	43,116	34,825
Building Floorspace (square feet)										
10,000 to 50,000	148	143	116	136	81	3,858	3,711	3,079	3,506	2,086
50,001 to 200,000	123	121	90	117	91	12,680	12,534	9,234	12,092	9,914
Over 200,000	55	55	42	54	45	27,778	27,778	21,791	27,518	22,824
Principal Building Activity										
Education	12	12	8	12	4	628	628	434	628	234
Health Care	48	47	42	47	35	9,903	9,890	9,618	9,890	8,631
Laboratory	31	31	15	31	25	2,601	2,601	911	2,601	2,266
Lodging	22	19	19	17	6	1,220	1,116	1,116	832	357
Mercantile and Service	63	62	60	58	45	8,194	8,115	7,525	7,916	6,681
Office	92	91	59	89	66	16,380	16,314	9,826	16,223	13,419
All Others	58	57	45	53	36	5,390	5,360	4,674	5,026	3,236
Year Constructed										
1959 or Before	130	126	97	121	71	13,553	13,404	10,689	13,047	8,530
1960 to 1969	55	55	41	53	44	9,082	9,082	7,024	9,014	8,462
1970 to 1979	62	60	46	58	45	12,041	11,978	8,200	11,702	9,358
1980 to 1989	65	64	52	62	46	7,955	7,875	6,668	7,812	7,082
1990 to 1993	14	14	12	13	11	1,684	1,684	1,524	1,541	1,392
Federal Agency										
Department of Defense	78	71	56	61	31	8,489	8,196	6,964	7,448	4,260
General Services Administration	39	39	18	39	35	12,505	12,505	6,919	12,505	11,109
United States Postal Service	63	63	62	62	45	8,387	8,387	7,845	8,371	7,011
Veterans Administration	56	56	49	55	42	8,824	8,824	8,326	8,681	7,466
All Others	90	90	63	90	64	6,111	6,111	4,050	6,111	4,978
Energy Sources (more than one may apply)										
Electricity	325	318	247	306	216	44,296	44,004	34,085	43,096	34,805
Natural Gas	225	224	175	216	169	34,703	34,669	27,083	34,130	29,144
Fuel Oil	54	53	37	53	40	11,127	11,060	9,415	11,060	9,379
District Heat	74	71	61	71	45	11,757	11,675	9,705	11,675	9,252
District Chilled Water	27	27	24	27	20	6,362	6,362	5,629	6,362	5,484
Propane	10	10	9	10	3	1,117	1,117	1,106	1,117	815
Any Other	5	5	3	5	4	2,606	2,606	2,537	2,606	2,595
Energy End Uses (more than one may apply)										
Heating	304	299	234	290	207	41,921	41,775	32,838	41,197	32,968
Air Conditioning	292	291	228	282	205	41,907	41,894	32,754	41,282	33,846
Water Heating	315	309	244	299	214	42,984	42,771	33,733	42,140	34,007
Cooking	70	70	63	68	51	20,045	20,045	17,163	19,972	17,125
Manufacturing	30	30	25	30	22	7,693	7,693	6,948	7,693	5,539
Workers (main shift)										
Less than 50	93	89	66	83	44	3,684	3,579	2,334	3,184	1,841
50 to 99	49	48	38	46	31	2,161	2,120	1,414	2,083	1,429
100 to 499	134	132	104	128	98	14,017	13,871	10,879	13,395	10,897
500 or More	50	50	40	50	44	24,454	24,454	19,477	24,454	20,658
Weekly Operating Hours										
48 or Fewer	80	77	58	73	40	4,822	4,751	3,485	4,507	2,935
49 to 60	65	63	42	62	52	13,424	13,278	8,153	13,165	11,802
61 to 167	68	68	64	64	45	5,706	5,706	5,331	5,582	4,033
Open Continuously	113	111	84	108	80	20,364	20,289	17,136	19,862	16,054

See footnotes at end of table.

Table 3.36. Energy Conservation Features in FBSS Buildings in Federal Region 9, Number of Buildings and Floorspace, 1993 (Continued)

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
Percent Window Glass										
50 or Less	298	291	228	279	194	37,432	37,140	29,203	36,233	28,124
51 to 100	26	26	20	26	23	6,800	6,800	4,902	6,800	6,701
Don't Know	2	2	NC	2	NC	84	84	NC	84	NC
Multibuilding Facility										
Yes	200	195	144	187	123	26,821	26,575	21,499	25,764	19,635
No	126	124	104	120	94	17,495	17,448	12,605	17,352	15,190
Percent of Floorspace Heated										
Not Heated	22	20	14	17	10	2,394	2,248	1,267	1,919	1,856
1 to 50	28	27	22	26	17	3,751	3,722	3,056	3,683	1,754
51 to 100	276	272	212	264	190	38,170	38,053	29,782	37,514	31,215
Percent of Floorspace Cooled										
Not Cooled	40	34	25	31	16	2,956	2,676	1,840	2,381	1,420
1 to 50	55	55	42	54	33	7,304	7,304	5,776	7,265	4,415
51 to 100	231	230	181	222	168	34,056	34,044	26,489	33,470	28,990
Percent Lit When Open										
1 to 50	20	19	15	17	8	1,847	1,817	1,235	1,518	822
51 to 100	304	299	233	289	209	42,375	42,142	32,870	41,533	34,002
No Operating Hours	1	NC	NC	NC	NC	29	NC	NC	NC	NC
Don't Know	1	1	NC	1	NC	64	64	NC	64	NC
Heating Equipment (more than one may apply)										
Heat Pumps	40	40	31	39	29	3,081	3,081	2,731	3,060	2,684
Furnaces	25	25	20	22	15	1,204	1,204	1,037	1,026	816
Individual Space Heaters	33	33	31	32	23	4,933	4,933	4,907	4,894	3,962
District Heat	71	69	59	69	41	12,712	12,659	10,381	12,659	8,815
Boilers	146	145	107	143	113	24,010	23,976	17,304	23,697	20,724
Packaged-Heating Units	67	67	65	65	52	5,997	5,997	5,848	5,939	4,692
Cooling Equipment (more than one may apply)										
Residential-Type Central A/C	24	24	21	22	15	1,900	1,900	1,670	1,847	1,693
Heat Pumps	32	32	26	32	25	2,724	2,724	2,320	2,724	2,439
Individual A/C	52	52	38	49	32	5,723	5,723	4,149	5,520	4,449
District Chilled Water	31	31	27	31	21	7,647	7,647	7,342	7,647	5,559
Central Chillers	139	139	106	136	114	27,723	27,723	20,592	27,301	24,098
Packaged-A/C Units	151	151	120	147	121	23,989	23,989	18,416	23,777	20,584
Swamp Coolers	30	29	24	28	17	3,165	3,153	2,509	3,114	2,036
Lighting Equipment (more than one may apply)										
Incandescent	161	158	129	151	113	20,475	20,362	16,849	19,929	16,640
Standard Fluorescent	309	304	240	294	211	42,850	42,621	33,355	42,116	34,469
Compact Fluorescent	73	73	39	72	68	17,339	17,339	11,745	17,207	16,956
High-Intensity Discharge	75	73	57	69	55	18,736	18,626	16,115	18,199	15,564
Electronic Ballast	105	105	81	102	89	23,307	23,307	18,775	23,106	20,342
Energy Management Practices (more than one may apply)										
Energy Management and Control System	71	71	59	70	60	18,231	18,231	15,836	17,971	15,999
Energy Conservation Programs ¹	124	122	99	119	101	24,699	24,624	19,745	24,535	20,778
Energy Audit	99	98	82	91	67	17,444	17,432	14,266	16,780	13,223
HVAC Maintenance Staff ²	52	52	40	51	41	14,570	14,570	11,712	14,532	12,803

See footnotes at end of table.

Table 3.36. Energy Conservation Features in FBSS Buildings in Federal Region 9, Number of Buildings and Floorspace, 1993 (Continued)

Building Characteristics	Number of Buildings					Total Floorspace (thousand square feet)				
	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting	All Buildings	Any Conservation Feature	Building Shell	HVAC	Lighting
Off-Hours Reduction in Equipment (more than one may apply)										
Heating	151	149	120	144	106	19,631	19,590	13,808	19,425	16,304
Cooling	157	156	124	151	108	19,219	19,207	13,253	19,007	15,693
Hot Water	68	67	46	66	57	13,614	13,585	8,258	13,566	11,978
Lighting	172	170	134	163	116	21,155	21,063	14,822	20,711	17,272

¹ Building participates in any programs sponsored by the Federal Energy Management Program, in-house, utility, or third party.

² HVAC maintenance staff means at least one person spends at least half their working hours maintaining the heating/cooling equipment.

NC = No cases in responding sample.

Notes: • Total workers are the number of workers during the main shift. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • These data are from 881 federally owned buildings having the following criteria: (1) located in Federal Regions 3, 6, or 9; (2) larger than 10,000 square feet; and (3) used for a commercial purpose, other than warehouse and storage. In addition, 9 out of 10 selected buildings were from agencies other than the Department of Defense. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • A/C = Air Conditioning. • FBSS = Federal Buildings Supplemental Survey. • HVAC = Heating, Ventilation, and Air Conditioning. • Data are for Fiscal Year 1993 (October 1, 1992 through September 30, 1993). • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, 1993 Federal Buildings Supplemental Survey.