

**Table 3.22. Refrigeration Equipment in FBSS Buildings in Federal Region 3,  
Number of Buildings and Floorspace, 1993**

Building Characteristics	Number of Buildings				Total Floorspace (thousand square feet)			
	All Buildings	Any Refrigeration Equipment	Walk-in	Cases and Cabinets	All Buildings	Any Refrigeration Equipment	Walk-in	Cases and Cabinets
<b>All Buildings</b> .....	<b>312</b>	<b>109</b>	<b>78</b>	<b>87</b>	<b>94,880</b>	<b>61,731</b>	<b>54,223</b>	<b>53,454</b>
<b>Building Floorspace (square feet)</b>								
10,000 to 50,000 .....	94	21	12	14	2,564	611	393	446
50,001 to 200,000 .....	117	25	15	20	13,166	3,269	2,137	2,499
Over 200,000 .....	101	63	51	53	79,149	57,851	51,693	50,509
<b>Principal Building Activity</b>								
Education .....	8	3	2	3	598	333	296	333
Health Care .....	41	20	18	16	14,559	12,538	12,365	11,551
Laboratory .....	37	13	12	10	5,165	1,612	1,560	1,340
Lodging .....	13	6	4	4	2,558	545	492	492
Mercantile and Service .....	46	13	4	8	7,966	5,406	2,723	2,727
Office .....	124	45	33	38	56,881	38,733	34,471	34,464
All Others .....	43	9	5	8	7,152	2,563	2,316	2,547
<b>Year Constructed</b>								
1959 or Before .....	142	52	42	40	43,829	29,060	26,998	24,902
1960 to 1969 .....	70	17	13	15	19,564	11,392	10,715	10,916
1970 to 1979 .....	47	18	10	13	17,737	11,923	9,426	9,355
1980 to 1989 .....	38	17	10	14	8,975	6,503	4,908	5,429
1990 to 1993 .....	15	5	3	5	4,774	2,852	2,176	2,852
<b>Federal Agency</b>								
Department of Defense .....	22	12	8	10	13,988	11,914	11,729	10,698
General Services Administration .....	83	36	26	32	46,205	29,362	25,234	26,480
United States Postal Service .....	57	15	6	9	9,392	6,596	3,913	3,757
Veterans Administration .....	56	20	19	16	13,306	9,510	9,402	8,523
All Others .....	94	26	19	20	11,989	4,348	3,945	3,995
<b>Workers (main shift)</b>								
Less than 50 .....	71	13	6	7	4,102	436	195	298
50 to 99 .....	39	10	7	9	1,903	602	472	576
100 to 499 .....	107	26	20	21	13,632	4,120	3,582	3,291
500 or More .....	95	60	45	50	75,243	56,572	49,974	49,289
<b>Weekly Operating Hours</b>								
48 or Fewer .....	51	15	8	12	9,694	3,253	2,424	3,186
49 to 60 .....	76	26	19	20	25,540	16,534	14,755	13,772
61 to 167 .....	60	12	6	10	11,993	5,103	4,581	5,068
Open Continuously .....	125	56	45	45	47,653	36,841	32,463	31,428
<b>Multibuilding Facility</b>								
Yes .....	176	62	50	48	43,861	25,949	23,440	21,708
No .....	136	47	28	39	51,018	35,782	30,783	31,745
<b>Energy Management Practices (more than one may apply)</b>								
Energy Management and Control System .....	132	62	45	53	61,891	45,906	39,610	40,299
Energy Conservation Programs <sup>1</sup> .....	99	45	34	38	59,284	42,794	39,087	39,676
Energy Audit .....	99	37	30	32	37,621	25,972	24,329	23,964
HVAC Maintenance Staff <sup>2</sup> .....	97	45	37	38	52,924	36,640	33,334	31,884

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

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

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. • 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 3.23. Refrigeration Equipment 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 Refrigeration Equipment	Walk-in	Cases and Cabinets	All Buildings	Any Refrigeration Equipment	Walk-in	Cases and Cabinets
<b>All Buildings</b> .....	<b>243</b>	<b>70</b>	<b>40</b>	<b>44</b>	<b>35,816</b>	<b>17,917</b>	<b>12,381</b>	<b>14,125</b>
<b>Building Floorspace (square feet)</b>								
10,000 to 50,000 .....	107	18	9	10	2,591	541	297	309
50,001 to 200,000 .....	86	28	18	15	9,548	3,104	1,993	1,512
Over 200,000 .....	50	24	13	19	23,677	14,273	10,091	12,304
<b>Principal Building Activity</b>								
Education .....	6	2	1	1	168	73	55	55
Health Care .....	35	21	17	20	12,094	11,045	10,026	10,870
Laboratory .....	29	14	6	3	3,331	1,460	489	134
Lodging .....	16	5	4	2	942	495	432	212
Mercantile and Service .....	49	7	NC	4	6,236	1,990	NC	1,309
Office .....	76	12	5	8	10,799	2,255	827	1,200
All Others .....	32	9	7	6	2,247	599	552	345
<b>Year Constructed</b>								
1959 or Before .....	103	30	19	20	13,258	5,477	4,539	4,537
1960 to 1969 .....	38	12	6	7	6,386	2,183	898	1,099
1970 to 1979 .....	34	12	6	8	6,175	3,463	1,790	2,703
1980 to 1989 .....	57	14	7	7	6,903	4,071	2,431	3,064
1990 to 1993 .....	11	2	2	2	3,095	2,723	2,723	2,723
<b>Federal Agency</b>								
Department of Defense .....	22	7	3	6	1,668	951	835	936
General Services Administration ...	35	4	2	2	7,888	1,651	614	757
United States Postal Service .....	61	8	NC	5	7,027	2,261	NC	1,580
Veterans Administration .....	36	21	15	18	11,375	10,288	9,169	9,905
All Others .....	89	30	20	13	7,858	2,767	1,763	948
<b>Workers (main shift)</b>								
Less than 50 .....	70	12	6	5	2,548	597	314	252
50 to 99 .....	44	11	7	6	2,026	703	520	283
100 to 499 .....	80	23	13	13	9,029	2,639	1,428	1,156
500 or More .....	49	24	14	20	22,213	13,979	10,119	12,434
<b>Weekly Operating Hours</b>								
48 or Fewer .....	39	10	7	7	2,740	825	614	487
49 to 60 .....	46	13	4	6	6,460	2,131	1,206	1,659
61 to 167 .....	78	11	4	3	8,051	1,471	211	83
Open Continuously .....	80	36	25	28	18,565	13,491	10,350	11,897
<b>Multibuilding Facility</b>								
Yes .....	148	52	30	31	24,441	12,886	8,881	9,701
No .....	95	18	10	13	11,375	5,031	3,499	4,424
<b>Energy Management Practices (more than one may apply)</b>								
Energy Management and Control System .....	96	43	23	29	23,099	15,512	10,672	12,539
Energy Conservation Programs <sup>1</sup> .....	48	23	12	18	13,513	10,486	7,573	8,774
Energy Audit .....	64	14	10	9	11,690	5,304	3,849	3,958
HVAC Maintenance Staff <sup>2</sup> .....	57	15	13	13	15,538	7,950	7,464	7,804

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

<sup>2</sup> 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. • 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 3.24. Refrigeration Equipment 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 Refrigeration Equipment	Walk-in	Cases and Cabinets	All Buildings	Any Refrigeration Equipment	Walk-in	Cases and Cabinets
<b>All Buildings</b> .....	<b>326</b>	<b>63</b>	<b>44</b>	<b>50</b>	<b>44,316</b>	<b>18,781</b>	<b>12,536</b>	<b>14,928</b>
<b>Building Floorspace (square feet)</b>								
10,000 to 50,000 .....	148	14	11	12	3,858	336	237	299
50,001 to 200,000 .....	123	22	17	19	12,680	2,380	1,883	2,188
Over 200,000 .....	55	27	16	19	27,778	16,065	10,416	12,441
<b>Principal Building Activity</b>								
Education .....	12	2	2	2	628	94	94	94
Health Care .....	48	18	15	15	9,903	7,062	6,811	6,349
Laboratory .....	31	4	4	4	2,601	325	325	325
Lodging .....	22	4	4	3	1,220	131	131	72
Mercantile and Service .....	63	11	6	8	8,194	3,921	2,372	2,793
Office .....	92	11	3	9	16,380	4,880	1,919	4,435
All Others .....	58	13	10	9	5,390	2,368	885	860
<b>Year Constructed</b>								
1959 or Before .....	130	19	14	15	13,553	3,577	1,552	1,725
1960 to 1969 .....	55	13	8	11	9,082	3,410	2,083	3,018
1970 to 1979 .....	62	14	12	12	12,041	6,298	4,796	5,904
1980 to 1989 .....	65	14	9	11	7,955	4,647	3,788	3,963
1990 to 1993 .....	14	3	1	1	1,684	848	(*)	(*)
<b>Federal Agency</b>								
Department of Defense .....	78	12	7	9	8,489	3,726	1,758	2,187
General Services Administration ...	39	8	3	7	12,505	4,332	1,867	3,955
United States Postal Service .....	63	9	4	6	8,387	3,785	2,236	2,657
Veterans Administration .....	56	17	15	13	8,824	5,394	5,228	4,623
All Others .....	90	17	15	15	6,111	1,544	1,448	1,507
<b>Workers (main shift)</b>								
Less than 50 .....	93	10	10	8	3,684	234	234	197
50 to 99 .....	49	2	1	2	2,161	66	54	66
100 to 499 .....	134	24	16	20	14,017	3,029	2,054	2,525
500 or More .....	50	27	17	20	24,454	15,451	10,194	12,140
<b>Weekly Operating Hours</b>								
48 or Fewer .....	80	8	4	6	4,822	762	208	629
49 to 60 .....	65	13	6	12	13,424	4,675	1,785	4,302
61 to 167 .....	68	6	4	5	5,706	1,091	672	714
Open Continuously .....	113	36	30	27	20,364	12,253	9,871	9,282
<b>Multibuilding Facility</b>								
Yes .....	200	43	33	33	26,821	13,420	10,412	9,956
No .....	126	20	11	17	17,495	5,361	2,125	4,972
<b>Energy Management Practices (more than one may apply)</b>								
Energy Management and Control System .....	71	25	14	17	18,231	12,657	8,327	9,589
Energy Conservation Programs <sup>1</sup> .....	124	34	22	29	24,699	12,274	7,606	9,921
Energy Audit .....	99	26	17	23	17,444	9,337	6,259	7,420
HVAC Maintenance Staff <sup>2</sup> .....	52	20	14	14	14,570	8,294	6,029	6,417

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

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

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

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. • 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.

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