

**Table 3.24. Electricity Consumption and Conditional Energy Intensity
for Buildings Heated with Electricity, 1992**

Building Characteristics	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/sq. ft.)			RSE Row Factor
	All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	0.9	1.1	1.5	0.9	1.0	1.3	0.7	0.8	
All Buildings	352	234	118	25,636	15,502	10,134	13.7	15.1	11.7	6.69
Building Floorspace (square feet)										
1,001 to 5,000	45	40	6	2,162	1,684	478	20.9	23.5	11.7	10.56
5,001 to 10,000	32	27	5	2,427	1,719	708	13.2	15.6	7.6	13.38
10,001 to 25,000	44	31	13	3,648	2,411	1,237	12.0	12.9	10.2	11.53
25,001 to 50,000	49	36	13	3,599	2,245	1,354	13.7	16.0	9.8	14.01
50,001 to 100,000	37	24	13	2,825	1,788	1,036	13.0	13.5	12.2	14.70
100,001 to 200,000	45	29	16	3,260	1,803	1,458	13.7	16.1	10.8	18.57
200,001 to 500,000	42	18	24	3,198	1,428	1,770	13.3	12.9	13.6	17.91
Over 500,000	58	30	29	4,517	2,424	2,093	12.9	12.2	13.8	22.35
Principal Building Activity										
Education	25	12	13	2,159	998	1,161	11.4	11.6	11.3	17.61
Food Sales	14	14	Q	285	282	Q	49.4	49.7	Q	21.57
Food Service	15	12	Q	407	307	Q	37.7	39.1	Q	21.19
Health Care	15	3	12	667	198	469	22.9	16.5	25.6	18.95
Lodging	32	25	Q	1,516	1,125	392	21.3	22.0	19.1	22.64
Mercantile and Service	66	40	26	5,122	2,858	2,264	12.9	14.1	11.5	13.39
Office	105	75	30	5,445	3,746	1,698	19.3	20.0	17.7	11.01
Parking Garage	4	4	Q	730	706	Q	Q	Q	Q	42.91
Public Assembly	28	22	6	2,267	1,637	630	12.5	13.7	9.2	18.68
Public Order and Safety	2	Q	Q	184	Q	Q	11.2	Q	Q	27.71
Religious Worship	4	3	1	1,361	602	759	3.0	4.3	2.0	16.70
Warehouse and Storage	29	16	12	4,304	2,121	2,182	6.7	7.7	5.7	16.99
Other	7	Q	Q	267	Q	Q	28.0	Q	Q	27.90
Vacant	5	3	Q	924	683	Q	5.2	5.1	Q	24.67
Year Constructed										
1899 or Before	4	Q	1	419	Q	173	8.7	Q	6.7	24.77
1900 to 1919	6	Q	3	846	Q	595	6.9	Q	4.8	26.44
1920 to 1945	23	7	15	2,197	790	1,407	10.3	9.5	10.7	25.74
1946 to 1959	33	20	14	3,116	1,493	1,624	10.6	13.1	8.4	16.53
1960 to 1969	52	25	27	3,880	1,893	1,987	13.4	13.4	13.4	13.42
1970 to 1979	95	64	31	6,191	3,800	2,391	15.4	16.8	13.1	10.98
1980 to 1989	124	101	23	7,958	6,230	1,728	15.6	16.2	13.4	11.12
1990 to 1992	16	11	4	1,030	800	230	15.3	14.3	18.8	19.43
Census Region and Division										
Northeast	56	25	31	4,505	1,768	2,737	12.4	14.0	11.4	19.83
New England	14	8	6	1,071	568	503	13.0	13.5	12.4	26.07
Middle Atlantic	42	17	25	3,434	1,200	2,234	12.2	14.2	11.2	25.92
Midwest	54	26	28	4,673	2,169	2,504	11.6	12.1	11.2	12.94
East North Central	36	16	19	3,031	1,369	1,662	11.7	11.9	11.6	18.96
West North Central	19	10	9	1,642	800	841	11.3	12.4	10.3	18.46
South	164	131	33	11,185	8,529	2,657	14.7	15.4	12.5	10.12
South Atlantic	81	63	18	5,657	4,256	1,402	14.2	14.8	12.6	14.58
East South Central	36	28	9	2,084	1,488	597	17.5	18.8	14.2	15.28
West South Central	47	40	7	3,444	2,786	658	13.7	14.4	10.7	14.00
West	78	52	26	5,273	3,036	2,237	14.8	17.2	11.5	11.54
Mountain	22	18	5	1,401	996	405	16.0	18.0	11.2	24.48
Pacific	56	34	21	3,872	2,040	1,832	14.4	16.9	11.6	12.54

See footnotes at end of table.

**Table 3.24. Electricity Consumption and Conditional Energy Intensity
for Buildings Heated with Electricity, 1992 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/sq. ft.)			RSE Row Factor
	All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	0.9	1.1	1.5	0.9	1.0	1.3	0.7	0.8	
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	14	10	5	1,268	641	627	11.4	15.1	7.5	21.06
5,500-7,000 HDD	64	30	34	5,460	2,305	3,154	11.7	12.9	10.8	16.93
4,000-5,499 HDD	81	49	32	6,098	2,955	3,143	13.3	16.5	10.2	13.84
Fewer than 4,000 HDD	95	62	34	5,940	3,656	2,284	16.1	16.9	14.7	12.99
More than 2,000 CDD and --										
Fewer than 4,000 HDD	98	84	14	6,871	5,945	926	14.2	14.2	14.7	15.18
Energy Sources (more than one may apply)										
Electricity	352	234	118	25,636	15,502	10,134	13.7	15.1	11.7	6.69
Natural Gas	189	87	103	13,901	5,245	8,655	13.6	16.5	11.9	9.03
Fuel Oil	88	48	40	4,872	2,482	2,390	18.0	19.2	16.7	15.10
District Heat	20	Q	18	985	Q	908	20.0	Q	19.7	18.51
District Chilled Water	10	3	7	476	136	340	21.3	21.3	21.3	25.46
Propane	24	13	11	1,550	791	759	15.4	15.9	14.9	23.33
Any Other	5	Q	3	753	Q	571	7.1	Q	4.6	32.86
Energy End Uses (more than one may apply)										
Heated Buildings	352	234	118	25,636	15,502	10,134	13.7	15.1	11.7	6.69
Buildings with A/C	345	229	116	24,123	14,511	9,612	14.3	15.8	12.1	6.82
Buildings with Water Heating	341	225	116	23,996	14,200	9,796	14.2	15.9	11.8	6.93
Buildings with Cooking	176	107	69	10,147	5,738	4,409	17.4	18.6	15.7	10.01
Buildings with Manufacturing	13	7	6	1,178	425	753	11.1	15.6	8.5	27.29
Workers (main shift)										
Less than 5	57	52	5	5,498	4,410	1,088	10.4	11.8	5.0	11.93
5 to 9	29	22	7	2,930	1,869	1,061	9.9	11.7	6.7	11.32
10 to 19	35	26	9	2,907	1,920	987	12.1	13.8	8.7	13.91
20 to 49	55	39	16	3,833	2,151	1,683	14.4	18.3	9.5	11.19
50 to 99	42	26	15	3,017	1,569	1,447	13.8	16.9	10.5	20.02
100 or More	134	68	66	7,452	3,584	3,868	18.0	19.1	17.0	13.11
Weekly Operating Hours										
39 or Fewer	8	6	2	1,641	1,006	635	4.9	5.9	3.3	14.61
40 to 48	65	44	20	5,464	3,426	2,038	11.8	12.9	10.0	13.07
49 to 60	58	39	18	5,180	3,002	2,178	11.1	13.0	8.4	11.72
61 to 84	57	39	18	5,114	3,065	2,049	11.1	12.7	8.7	13.67
85 to 167	63	37	26	3,476	1,649	1,827	18.3	22.4	14.5	14.11
Open Continuously	102	69	33	4,761	3,354	1,408	21.4	20.6	23.4	11.43
Ownership and Occupancy										
Nongovernment Owned	295	208	87	21,311	13,424	7,887	13.8	15.5	11.0	7.39
Owner Occupied	218	150	68	14,691	8,825	5,867	14.9	17.1	11.5	7.97
Single Establishment	167	121	47	10,723	6,596	4,127	15.6	18.3	11.3	8.68
Multiple Establishment	51	30	21	3,968	2,228	1,740	12.8	13.4	12.0	15.88
Nonowner Occupied	75	56	19	6,252	4,317	1,935	12.0	13.0	9.8	14.59
Single Establishment	38	31	7	3,076	2,213	863	12.4	14.2	Q	22.34
Multiple Establishment	37	25	12	3,176	2,104	1,072	11.6	11.8	11.2	17.04
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Government Owned	58	26	31	4,325	2,078	2,247	13.3	12.6	13.9	14.17

See footnotes at end of table.

**Table 3.24. Electricity Consumption and Conditional Energy Intensity
for Buildings Heated with Electricity, 1992 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/sq. ft.)			RSE Row Factor
	All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	0.9	1.1	1.5	0.9	1.0	1.3	0.7	0.8	
Predominant Exterior Wall Material										
Masonry	243	163	79	18,048	10,902	7,147	13.4	15.0	11.1	7.19
Siding or Shingles	17	12	5	1,366	822	544	12.4	15.1	8.4	13.61
Metal Panels	33	22	11	2,703	1,657	1,045	12.3	13.2	10.8	19.60
Concrete Panels	33	19	14	2,212	1,219	993	15.0	15.3	14.6	19.76
Window Glass	21	13	Q	979	636	343	21.5	21.1	22.1	24.44
Other	6	5	Q	328	266	Q	17.0	17.9	Q	36.57
Predominant Roof Material										
Built-Up	175	117	58	12,420	7,599	4,821	14.1	15.4	12.1	9.52
Shingles (Not Wood)	38	29	8	3,227	2,100	1,127	11.7	14.0	7.3	11.69
Metal Surfacing	32	26	6	3,116	2,169	947	10.1	11.8	6.4	15.77
Synthetic or Rubber	76	36	40	4,365	1,837	2,528	17.4	19.7	15.7	10.77
Other	32	26	6	2,508	1,797	711	12.8	14.6	8.3	21.23
Space-Heating Energy Source										
Electricity	352	234	118	25,636	15,502	10,134	13.7	15.1	11.7	6.69
Electricity Main	234	234	Q	15,502	15,502	Q	15.1	15.1	Q	6.79
Electricity Secondary	118	Q	118	10,134	Q	10,134	11.7	Q	11.7	8.90
Other Excluding Electricity	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Main Space-Heating Energy Source										
Electricity	234	234	Q	15,502	15,502	Q	15.1	15.1	Q	6.79
Natural Gas	90	Q	90	7,660	Q	7,660	11.7	Q	11.7	11.73
Fuel Oil	7	Q	7	839	Q	839	8.3	Q	8.3	14.89
District Heat	18	Q	18	895	Q	895	19.8	Q	19.8	14.64
Propane	2	Q	2	279	Q	279	6.2	Q	6.2	24.17
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Main Heating										
Electricity Only	5	Q	5	505	Q	505	9.5	Q	9.5	19.06
Natural Gas Only	16	13	2	1,410	952	458	11.2	14.0	Q	20.73
Fuel Oil Only	25	3	22	1,425	193	1,232	17.3	15.3	17.7	24.53
Propane Only	7	4	3	596	259	337	11.2	16.0	7.5	25.41
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	297	213	84	21,471	14,021	7,450	13.9	15.2	11.3	7.31
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Source										
Electricity	340	227	114	23,798	14,385	9,413	14.3	15.8	12.1	6.93
Other Excluding Electricity	5	2	Q	325	126	Q	15.5	17.4	Q	31.65
A/C Not Performed	7	6	2	1,513	991	522	4.8	5.6	3.2	20.19
Water-Heating Energy Source										
Electricity	216	172	44	15,574	11,365	4,209	13.9	15.1	10.4	9.33
Other Excluding Electricity	125	53	72	8,423	2,835	5,587	14.8	18.7	12.9	10.12
Water Heating Not Performed	11	9	2	1,640	1,302	338	7.0	7.1	6.3	16.20
Cooking Energy Source										
Electricity	118	78	40	6,707	4,114	2,594	17.7	19.0	15.5	12.50
Other Excluding Electricity	58	29	29	3,440	1,625	1,815	16.8	17.7	16.0	13.63
Cooking Not Performed	176	127	49	15,489	9,764	5,725	11.4	13.0	8.5	7.95

See footnotes at end of table.

**Table 3.24. Electricity Consumption and Conditional Energy Intensity
for Buildings Heated with Electricity, 1992 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/sq. ft.)			RSE Row Factor
	All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	0.9	1.1	1.5	0.9	1.0	1.3	0.7	0.8	
Percent of Floorspace Heated										
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	45	31	13	6,084	4,116	1,968	7.3	7.6	6.8	15.78
51 to 99	70	42	28	4,569	2,406	2,163	15.4	17.6	12.9	12.81
100	238	161	77	14,983	8,980	6,003	15.9	17.9	12.8	7.74
Percent of Floorspace Cooled										
Not Cooled	7	6	2	1,513	991	522	4.8	5.6	3.2	20.19
1 to 50	54	29	25	8,320	4,066	4,255	6.4	7.1	5.8	11.12
51 to 99	106	58	49	5,903	2,961	2,942	18.0	19.6	16.5	8.86
100	185	142	43	9,899	7,484	2,415	18.7	18.9	18.0	10.03
Percent Lit when Open										
Not Lit	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	15	12	3	2,577	1,556	1,021	5.9	7.8	3.0	15.86
51 to 99	88	59	29	7,106	4,441	2,665	12.4	13.3	10.7	10.67
100	248	162	86	15,627	9,271	6,356	15.9	17.5	13.6	8.12
Percent Lit when Closed										
Not Lit	170	117	53	12,197	7,958	4,239	13.9	14.7	12.6	8.92
1 to 50	172	109	62	12,726	7,061	5,665	13.5	15.5	11.0	9.50
51 to 99	6	5	Q	441	317	Q	14.6	15.9	Q	24.90
100	4	Q	Q	272	Q	Q	15.8	Q	Q	32.68
Heating Equipment (more than one may apply)										
Heat Pumps	127	82	45	8,243	4,723	3,520	15.4	17.3	12.9	10.33
Furnaces	61	32	30	6,018	2,201	3,817	10.2	14.5	7.8	11.59
Individual Space Heaters	160	93	67	12,980	6,528	6,452	12.3	14.2	10.4	8.53
District Heat	20	Q	18	970	Q	901	20.2	Q	19.8	14.46
Boilers	91	35	56	6,583	2,371	4,211	13.9	14.7	13.4	13.26
Packaged Heating Units	119	74	46	8,375	4,591	3,784	14.2	16.0	12.1	11.68
Other	12	10	Q	491	363	Q	25.2	28.6	Q	23.71
Cooling Equipment (more than one may apply)										
Residential-Type Central A/C	41	19	22	3,203	1,270	1,933	12.9	15.3	11.3	15.32
Heat Pumps	121	77	44	7,854	4,498	3,356	15.4	17.2	13.0	10.71
Individual A/C	93	51	42	8,061	3,619	4,442	11.5	14.1	9.5	11.26
District Chilled Water	10	3	7	476	136	340	21.3	21.3	21.3	25.46
Central Chillers	98	54	45	5,382	3,188	2,194	18.2	16.8	20.3	12.48
Packaged A/C Units	177	106	71	11,068	6,154	4,914	16.0	17.2	14.4	9.09
Swamp Coolers	14	10	Q	892	649	Q	16.1	15.0	Q	34.29
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Lighting Equipment (more than one may apply)										
Incandescent	226	137	88	15,426	8,391	7,035	14.6	16.4	12.5	8.20
Standard Fluorescent	345	228	117	24,794	14,788	10,006	13.9	15.4	11.7	6.76
Compact Fluorescent	81	40	41	4,216	2,116	2,100	19.1	18.8	19.4	14.16
High-Intensity Discharge	103	55	48	7,708	4,027	3,680	13.3	13.5	13.1	12.40
Other	11	5	Q	863	393	470	12.9	12.7	Q	30.62

See footnotes at end of table.

**Table 3.24. Electricity Consumption and Conditional Energy Intensity
for Buildings Heated with Electricity, 1992 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/sq. ft.)			RSE Row Factor
	All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		All Buildings Heated with Elec- tricity	Buildings Heated with Electricity		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	0.9	1.1	1.5	0.9	1.0	1.3	0.7	0.8	
Annual Consumption (kilowatthours)										
10,000 or Less	1	1	(*)	809	540	269	1.5	1.5	1.5	13.21
10,001 to 50,000	15	10	4	3,440	2,101	1,339	4.2	5.0	3.1	9.13
50,001 to 100,000	19	14	5	2,750	1,892	858	6.8	7.6	5.3	11.77
100,001 to 500,000	80	63	17	6,028	3,885	2,144	13.3	16.2	8.1	8.04
500,001 to 1,000,000	37	25	12	2,528	1,481	1,047	14.5	16.8	11.2	15.07
1,000,001 to 5,000,000	99	69	30	5,545	3,216	2,329	17.9	21.6	12.8	14.18
Over 5,000,000	102	52	50	4,536	2,387	2,149	22.5	21.7	23.3	14.61
Peak Electricity Demand (kilowatts)										
10 or Less	2	1	Q	420	295	Q	3.6	3.4	Q	20.17
11 to 25	7	5	2	1,294	782	512	5.7	6.4	4.7	18.85
26 to 50	19	15	5	1,776	984	792	10.9	14.9	6.0	14.79
51 to 100	31	25	7	2,658	1,789	868	11.8	13.8	7.5	14.38
101 to 250	48	34	15	3,269	1,936	1,333	14.8	17.4	10.9	14.50
251 to 1,000	87	63	24	5,142	2,910	2,233	16.9	21.6	10.8	15.92
Over 1,000	92	54	38	4,366	2,850	1,515	21.0	18.9	24.9	16.01
Season of Peak Electricity Demand										
Summer	168	107	61	10,446	6,232	4,214	16.1	17.2	14.4	10.64
Winter	110	84	26	7,743	5,026	2,718	14.2	16.8	9.5	11.35
Summer and Winter	9	4	Q	735	288	Q	11.6	14.5	Q	31.55
Building Generates Electricity										
Yes	97	57	40	5,070	2,907	2,163	19.1	19.7	18.4	13.47
No	255	177	78	20,566	12,595	7,972	12.4	14.1	9.8	6.82

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

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • 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. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1992 Commercial Buildings Energy Consumption Survey.

**Table 3.39. Natural Gas Consumption and Conditional Energy Intensity
for Buildings Heated with Natural Gas, 1992**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)		Total Floorspace of Buildings Using Natural Gas (million square feet)		Natural Gas Energy Intensity (cubic feet/sq. ft.)		RSE Row Factor
	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	
	1.2	1.2	0.8	0.9	1.0	1.0	
RSE Column Factor:							
All Buildings	1,884	1,770	38,467	35,129	49.0	50.4	6.41
Building Floorspace (square feet)							
1,001 to 5,000	274	267	3,399	3,241	80.6	82.4	10.11
5,001 to 10,000	208	202	3,889	3,644	53.6	55.5	7.16
10,001 to 25,000	397	386	6,105	5,763	65.0	67.0	13.07
25,001 to 50,000	280	269	5,648	5,377	49.5	49.9	16.47
50,001 to 100,000	216	201	5,033	4,547	43.0	44.1	10.60
100,001 to 200,000	187	172	6,212	5,420	30.2	31.8	12.06
200,001 to 500,000	189	177	4,544	4,225	41.5	41.8	18.51
Over 500,000	132	97	3,637	2,912	36.3	33.4	24.62
Principal Building Activity							
Education	267	259	5,957	5,642	44.8	45.9	9.75
Food Sales	22	22	445	398	49.6	54.3	23.24
Food Service	117	117	855	850	137.3	137.7	13.96
Health Care	166	150	1,223	1,017	135.5	147.8	17.09
Lodging	125	108	1,298	1,004	96.7	107.8	21.09
Mercantile and Service	335	318	8,275	7,264	40.5	43.7	13.17
Office	365	352	6,528	5,924	55.9	59.4	16.70
Parking Garage	Q	Q	Q	Q	Q	Q	NF
Public Assembly	87	80	2,267	2,024	38.3	39.3	14.24
Public Order and Safety	36	35	480	468	74.1	74.5	23.61
Religious Worship	61	59	2,672	2,612	22.8	22.7	12.39
Warehouse and Storage	181	175	5,920	5,612	30.5	31.2	12.87
Other	75	51	633	535	119.1	95.8	27.17
Vacant	38	36	1,583	1,450	24.3	25.1	24.35
Year Constructed							
1899 or Before	57	53	1,150	1,070	49.9	49.2	17.93
1900 to 1919	88	84	2,345	2,292	37.6	36.5	16.30
1920 to 1945	278	245	4,960	4,513	56.1	54.3	13.99
1946 to 1959	323	315	6,509	6,115	49.7	51.4	14.87
1960 to 1969	376	361	7,858	7,223	47.8	50.0	11.57
1970 to 1979	446	422	7,649	7,026	58.3	60.1	13.94
1980 to 1989	274	252	6,671	5,665	41.1	44.5	13.15
1990 to 1992	41	39	1,325	1,225	30.8	31.7	19.11
Census Region and Division							
Northeast	318	301	6,871	6,049	46.3	49.8	13.69
New England	60	57	1,153	805	52.0	70.6	21.48
Middle Atlantic	258	245	5,718	5,244	45.2	46.7	15.96
Midwest	667	638	12,289	11,459	54.3	55.7	7.76
East North Central	475	457	7,830	7,356	60.7	62.1	9.50
West North Central	193	182	4,459	4,103	43.2	44.3	15.60
South	603	554	11,563	10,637	52.2	52.1	14.78
South Atlantic	207	197	3,945	3,627	52.5	54.2	27.80
East South Central	130	120	2,883	2,665	45.2	45.2	15.65
West South Central	266	237	4,735	4,345	56.2	54.5	22.99
West	294	277	7,744	6,984	38.0	39.6	12.79
Mountain	107	98	2,183	2,029	48.9	48.3	15.01
Pacific	188	179	5,561	4,956	33.8	36.1	17.77
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	175	157	3,360	3,010	52.2	52.2	15.96
5,500-7,000 HDD	681	656	12,265	11,366	55.5	57.7	8.67
4,000-5,499 HDD	380	356	8,528	7,595	44.6	46.8	16.35
Fewer than 4,000 HDD	376	365	9,373	8,783	40.1	41.5	17.70
More than 2,000 CDD and --							
Fewer than 4,000 HDD	272	237	4,941	4,375	55.1	54.1	22.63

See footnotes at end of table.

**Table 3.39. Natural Gas Consumption and Conditional Energy Intensity
for Buildings Heated with Natural Gas, 1992 (Continued)**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)		Total Floorspace of Buildings Using Natural Gas (million square feet)		Natural Gas Energy Intensity (cubic feet/sq. ft.)		RSE Row Factor
	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	
	1.2	1.2	0.8	0.9	1.0	1.0	
RSE Column Factor:							
Energy Sources (more than one may apply)							
Electricity	1,883	1,770	38,460	35,122	49.0	50.4	6.34
Natural Gas	1,884	1,770	38,467	35,129	49.0	50.4	6.41
Fuel Oil	350	318	5,951	4,680	58.8	68.0	13.69
District Heat	36	Q	549	Q	65.2	Q	33.35
District Chilled Water	15	Q	338	Q	44.4	Q	30.62
Propane	36	34	725	675	50.0	50.3	25.04
Any Other	16	12	649	302	23.9	39.3	24.78
Energy End Uses (more than one may apply)							
Heated Buildings	1,884	1,770	38,467	35,129	49.0	50.4	6.41
Buildings with A/C	1,725	1,620	35,258	32,106	48.9	50.5	6.84
Buildings with Water Heating	1,834	1,721	36,621	33,374	50.1	51.6	6.52
Buildings with Cooking	818	764	14,606	12,900	56.0	59.2	8.20
Buildings with Manufacturing	145	118	2,196	2,002	66.1	59.2	20.96
Workers (main shift)							
Less than 5	267	259	7,077	6,712	37.8	38.7	7.75
5 to 9	272	267	4,112	3,946	66.1	67.6	17.40
10 to 19	241	229	4,808	4,504	50.1	50.9	14.63
20 to 49	400	384	7,502	7,024	53.3	54.7	13.08
50 to 99	242	202	5,274	4,514	45.9	44.7	16.37
100 or More	462	429	9,695	8,429	47.6	50.9	11.10
Weekly Operating Hours							
39 or Fewer	125	123	3,471	3,368	36.1	36.5	12.85
40 to 48	360	349	8,680	8,127	41.4	42.9	9.96
49 to 60	373	339	8,604	8,083	43.3	41.9	12.32
61 to 84	357	337	7,742	6,715	46.1	50.2	14.22
85 to 167	258	248	5,509	5,039	46.8	49.1	12.01
Open Continuously	411	375	4,462	3,797	92.2	98.8	15.44
Ownership and Occupancy							
Nongovernment Owned	1,448	1,349	29,323	26,528	49.4	50.8	7.25
Owner Occupied	1,152	1,069	22,329	20,094	51.6	53.2	7.20
Single Establishment	995	921	17,116	15,527	58.1	59.3	7.84
Multiple Establishment	156	148	5,212	4,567	30.0	32.4	13.25
Nonowner Occupied	279	264	6,570	6,059	42.5	43.6	17.32
Single Establishment	152	148	2,566	2,368	59.4	62.3	28.04
Multiple Establishment	127	117	4,003	3,691	31.7	31.6	20.12
Vacant	17	15	424	374	39.5	41.1	31.87
Government Owned	436	421	9,145	8,601	47.7	49.0	10.01
Predominant Exterior Wall Material							
Masonry	1,436	1,361	29,036	26,529	49.4	51.3	6.99
Siding or Shingles	89	86	1,772	1,584	50.2	54.1	13.59
Metal Panels	214	185	3,238	2,930	66.0	63.1	23.49
Concrete Panels	102	98	2,969	2,749	34.4	35.7	17.93
Window Glass	27	24	825	749	32.4	32.1	22.92
Other	17	17	628	589	26.6	28.4	23.57
Predominant Roof Material							
Built-Up	883	835	17,897	16,323	49.3	51.2	9.21
Shingles (Not Wood)	282	269	5,895	5,590	47.8	48.1	11.27
Metal Surfacing	227	196	4,086	3,614	55.5	54.3	20.05
Synthetic or Rubber	381	366	7,765	7,163	49.0	51.1	10.46
Other	111	104	2,824	2,439	39.4	42.7	15.90

See footnotes at end of table.

**Table 3.39. Natural Gas Consumption and Conditional Energy Intensity
for Buildings Heated with Natural Gas, 1992 (Continued)**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)		Total Floorspace of Buildings Using Natural Gas (million square feet)		Natural Gas Energy Intensity (cubic feet/sq. ft.)		RSE Row Factor
	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	
RSE Column Factor:	1.2	1.2	0.8	0.9	1.0	1.0	
Space-Heating Energy Source							
Natural Gas	1,884	1,770	38,467	35,129	49.0	50.4	6.41
Natural Gas Main	1,770	1,770	35,129	35,129	50.4	50.4	6.57
Natural Gas Secondary	113	Q	3,338	Q	34.0	Q	23.17
Other Excluding Natural Gas	Q	Q	Q	Q	Q	Q	NF
Building Not Heated	Q	Q	Q	Q	Q	Q	NF
Primary Space-Heating Energy Source							
Electricity	56	Q	2,178	Q	25.7	Q	17.60
Natural Gas	1,770	1,770	35,129	35,129	50.4	50.4	6.57
Fuel Oil	8	Q	450	Q	16.9	Q	31.85
District Heat	23	Q	315	Q	73.1	Q	29.26
Propane	Q	Q	Q	Q	Q	Q	NF
Wood	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Primary Heating							
Electricity Only	152	152	2,096	2,096	72.6	72.6	26.85
Natural Gas Only	8	Q	608	Q	13.4	Q	33.68
Fuel Oil Only	323	314	4,672	4,586	69.1	68.4	13.82
Propane Only	74	71	1,511	1,477	49.0	48.2	21.90
Any Other Single Energy Source	9	9	231	231	38.9	38.9	22.68
More than One Energy Source	32	30	603	581	53.2	51.5	23.49
No Replacement Energy Source	1,285	1,194	28,746	26,158	44.7	45.7	7.06
Building Not Heated	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Source							
Natural Gas	174	166	1,816	1,687	95.6	98.4	24.07
Other Excluding Natural Gas	1,552	1,454	33,442	30,419	46.4	47.8	6.66
A/C Not Performed	158	150	3,209	3,023	49.3	49.7	13.22
Water-Heating Energy Source							
Natural Gas	1,427	1,377	26,313	24,868	54.2	55.4	7.03
Other Excluding Natural Gas	407	344	10,307	8,505	39.5	40.4	14.39
Water Heating Not Performed	50	49	1,846	1,755	26.9	28.0	10.37
Cooking Energy Source							
Natural Gas	699	655	11,868	10,606	58.9	61.7	9.13
Other Excluding Natural Gas	118	109	2,738	2,293	43.3	47.6	15.33
Cooking Not Performed	1,066	1,006	23,862	22,229	44.7	45.3	8.43
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	NF
1 to 50	154	122	6,667	5,863	23.0	20.9	16.12
51 to 99	315	303	6,596	6,064	47.8	49.9	17.36
100	1,415	1,345	25,204	23,202	56.1	58.0	6.78
Heating Equipment (more than one may apply)							
Heat Pumps	153	128	3,633	2,541	42.0	50.4	23.23
Furnaces	674	628	13,783	12,641	48.9	49.7	11.25
Individual Space Heaters	606	546	13,947	12,515	43.5	43.6	10.51
District Heat	54	Q	553	Q	97.9	Q	35.40
Boilers	893	867	15,949	14,709	56.0	59.0	7.55
Packaged Heating Units	512	486	11,521	10,606	44.5	45.8	10.27
Other	Q	Q	549	474	Q	Q	33.27

See footnotes at end of table.

**Table 3.39. Natural Gas Consumption and Conditional Energy Intensity
for Buildings Heated with Natural Gas, 1992 (Continued)**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)		Total Floorspace of Buildings Using Natural Gas (million square feet)		Natural Gas Energy Intensity (cubic feet/sq. ft.)		RSE Row Factor
	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	All Buildings Heated with Natural Gas	Buildings with Natural Gas Main Heating	
RSE Column Factor:	1.2	1.2	0.8	0.9	1.0	1.0	
Annual Consumption (hundred cubic feet)							
1,000 or Less	39	36	4,287	3,715	9.2	9.8	9.81
1,001 to 5,000	245	235	9,554	8,954	25.6	26.2	5.79
5,001 to 10,000	204	197	4,742	4,472	43.0	44.2	7.29
10,001 to 25,000	319	307	7,303	6,673	43.7	46.0	8.89
25,001 to 50,000	239	226	4,836	4,251	49.4	53.1	10.29
50,001 to 100,000	200	179	2,841	2,448	70.4	73.0	14.97
Over 100,000	638	591	4,905	4,616	130.1	127.9	17.25
Gas Transported for the Account of Others							
Used in Building	308	277	2,791	2,545	110.4	108.9	23.32
Not Used in Building	1,575	1,493	35,677	32,584	44.2	45.8	6.29

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • 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. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1992 Commercial Buildings Energy Consumption Survey.

Table 3.45. Fuel Oil Consumption and Conditional Energy Intensity for Buildings Heated with Fuel Oil, 1992

Building Characteristics	Total Fuel Oil Consumption (million gallons)			Total Floorspace of Buildings Using Fuel Oil (million square feet)			Fuel Oil Energy Intensity (gallons/sq. ft.)			RSE Row Factor
	All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	1.0	1.1	1.7	0.8	0.9	1.1	0.7	0.6	
All Buildings	1,877	1,677	200	7,323	4,404	2,919	0.26	0.38	0.07	14.62
Building Floorspace (square feet)										
1,001 to 10,000	603	560	Q	1,620	1,406	Q	0.37	0.40	Q	15.32
10,001 to 100,000	772	718	55	2,764	1,868	895	0.28	0.38	0.06	19.67
Over 100,000	502	399	102	2,939	1,130	1,810	0.17	0.35	0.06	24.20
Principal Building Activity										
Education	439	414	Q	1,548	996	Q	0.28	0.42	Q	16.93
Mercantile and Service	382	357	Q	1,128	833	Q	0.34	0.43	Q	26.05
Office	323	307	16	1,345	998	346	0.24	0.31	0.05	23.00
Public Assembly	107	Q	Q	509	Q	Q	0.21	Q	Q	48.12
Warehouse and Storage	157	121	Q	683	366	Q	0.23	0.33	Q	33.75
All Others	470	385	Q	2,110	976	1,134	0.22	0.39	Q	27.21
Year Constructed										
1945 or Before	643	543	Q	2,348	1,555	794	0.27	0.35	0.13	23.68
1946 to 1959	426	415	Q	1,201	996	Q	0.35	0.42	Q	20.00
1960 to 1969	339	301	38	1,505	739	766	0.23	0.41	0.05	28.05
1970 to 1979	338	299	38	1,484	700	784	0.23	0.43	0.05	26.86
1980 to 1989	109	101	Q	660	350	Q	0.17	0.29	Q	30.07
1990 to 1992	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Census Region and Division										
Northeast	1,369	1,256	113	4,228	3,202	1,026	0.32	0.39	0.11	17.26
New England	630	559	Q	1,718	1,366	Q	0.37	0.41	Q	23.57
Middle Atlantic	739	697	42	2,509	1,835	674	0.29	0.38	0.06	19.54
Midwest	168	146	Q	1,225	426	799	0.14	0.34	Q	41.33
East North Central	85	64	Q	610	283	Q	0.14	0.22	Q	31.59
West North Central	Q	Q	Q	615	Q	Q	Q	Q	(*)	37.64
South	310	248	62	1,618	728	890	0.19	0.34	0.07	29.75
South Atlantic	267	225	42	1,332	627	705	0.20	0.36	Q	35.15
East South Central	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
West South Central	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
West	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mountain	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Pacific	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Climate Zone: 45-Year Average										
Fewer than 2,000 CDD and --										
More than 7,000 HDD	322	309	Q	1,283	861	423	0.25	0.36	Q	37.59
5,500-7,000 HDD	660	559	Q	2,322	1,360	962	0.28	0.41	0.11	23.35
4,000-5,499 HDD	783	751	33	2,827	1,984	843	0.28	0.38	0.04	17.77
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	0.09	Q	Q	62.20
More than 2,000 CDD and --										
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy Sources (more than one may apply)										
Electricity	1,877	1,677	200	7,322	4,404	2,919	0.26	0.38	0.07	15.00
Natural Gas	721	548	174	3,861	1,262	2,598	0.19	0.43	0.07	23.76
Fuel Oil	1,877	1,677	200	7,323	4,404	2,919	0.26	0.38	0.07	14.62
District Heat	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
District Chilled Water	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Propane	245	233	Q	935	664	Q	0.26	0.35	Q	27.21
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.45. Fuel Oil Consumption and Conditional Energy Intensity for Buildings Heated with Fuel Oil, 1992 (Continued)

Building Characteristics	Total Fuel Oil Consumption (million gallons)			Total Floorspace of Buildings Using Fuel Oil (million square feet)			Fuel Oil Energy Intensity (gallons/sq. ft.)			RSE Row Factor
	All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	1.0	1.1	1.7	0.8	0.9	1.1	0.7	0.6	
Energy End Uses (more than one may apply)										
Heated Buildings	1,877	1,677	200	7,323	4,404	2,919	0.26	0.38	0.07	14.62
Buildings with A/C	1,497	1,309	187	6,296	3,528	2,768	0.24	0.37	0.07	15.80
Buildings with Water Heating	1,734	1,544	190	6,785	3,899	2,885	0.26	0.40	0.07	14.71
Buildings with Cooking	741	663	79	3,484	1,704	1,780	0.21	0.39	0.04	18.50
Buildings with Manufacturing	197	Q	Q	505	Q	Q	0.39	Q	Q	41.77
Workers (main shift)										
Less than 10	640	588	51	2,244	1,768	476	0.29	0.33	0.11	19.84
10 to 99	751	705	46	2,263	1,556	707	0.33	0.45	0.06	17.78
100 or More	486	383	103	2,817	1,080	1,736	0.17	0.36	0.06	25.82
Weekly Operating Hours										
48 or Fewer	738	698	41	2,560	2,006	554	0.29	0.35	Q	20.01
49 to 84	558	496	62	2,192	1,347	845	0.25	0.37	0.07	15.76
85 to 168	581	484	Q	2,570	1,050	1,520	0.23	0.46	0.06	27.95
Ownership and Occupancy										
Nongovernment Owned	1,173	1,032	140	4,933	3,150	1,784	0.24	0.33	0.08	17.03
Owner Occupied	1,035	909	126	4,017	2,568	1,450	0.26	0.35	0.09	18.27
Single Establishment	786	715	71	3,191	2,067	1,124	0.25	0.35	0.06	17.10
Multiple Establishment	249	194	Q	827	501	Q	0.30	0.39	Q	34.10
Nonowner Occupied	132	118	Q	787	453	Q	0.17	0.26	Q	30.86
Single Establishment	41	40	Q	308	187	Q	0.13	0.21	Q	37.38
Multiple Establishment	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Government Owned	704	645	59	2,390	1,254	1,135	0.29	0.51	0.05	22.03
Predominant Exterior Wall Material										
Masonry	1,566	1,400	165	5,825	3,493	2,332	0.27	0.40	0.07	16.44
Siding or Shingles	151	144	Q	534	475	Q	0.28	0.30	Q	19.19
Metal Panels	102	82	Q	481	271	Q	0.21	0.30	Q	42.54
Concrete Panels	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Window Glass	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Predominant Roof Material										
Built-Up	720	640	80	2,824	1,386	1,438	0.25	0.46	0.06	21.45
Shingles (Not Wood)	347	335	Q	1,421	1,180	Q	0.24	0.28	Q	17.62
Metal Surfacing	137	114	Q	509	352	Q	0.27	0.32	Q	28.51
Synthetic or Rubber	514	482	32	1,924	1,143	781	0.27	0.42	0.04	25.19
Other	159	107	Q	645	343	Q	0.25	0.31	Q	35.66
Space-Heating Energy Source										
Fuel Oil	1,877	1,677	200	7,323	4,404	2,919	0.26	0.38	0.07	14.62
Fuel Oil Main	1,677	1,677	Q	4,404	4,404	Q	0.38	0.38	Q	14.14
Fuel Oil Secondary	200	Q	200	2,919	Q	2,919	0.07	Q	0.07	21.76
Other Excluding Fuel Oil	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Main Space-Heating Energy Source										
Electricity	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Natural Gas	121	Q	121	2,212	Q	2,212	0.05	Q	0.05	18.55
Fuel Oil	1,677	1,677	Q	4,404	4,404	Q	0.38	0.38	Q	14.14
District Heat	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.45. Fuel Oil Consumption and Conditional Energy Intensity for Buildings Heated with Fuel Oil, 1992 (Continued)

Building Characteristics	Total Fuel Oil Consumption (million gallons)			Total Floorspace of Buildings Using Fuel Oil (million square feet)			Fuel Oil Energy Intensity (gallons/sq. ft.)			RSE Row Factor
	All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	1.0	1.1	1.7	0.8	0.9	1.1	0.7	0.6	
Replacement Energy Source for Main Heating										
Electricity Only	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Natural Gas Only	338	336	Q	730	702	Q	0.46	0.48	Q	31.61
Fuel Oil Only	89	Q	72	2,160	Q	2,151	0.04	Q	0.03	23.67
Propane Only	91	91	Q	260	257	Q	0.35	0.35	Q	28.10
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	1,260	1,138	123	3,726	3,053	673	0.34	0.37	0.18	17.74
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Water-Heating Energy Source										
Fuel Oil	986	956	Q	2,401	2,115	Q	0.41	0.45	Q	18.01
Other Excluding Fuel Oil	748	588	160	4,383	1,784	2,599	0.17	0.33	0.06	17.39
Water Heating Not Performed	143	133	Q	538	505	Q	0.27	0.26	Q	27.10
Percent of Floorspace Heated										
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	183	121	Q	741	526	Q	0.25	0.23	Q	35.52
51 to 99	295	263	Q	1,444	815	628	0.20	0.32	Q	23.46
100	1,399	1,294	105	5,138	3,062	2,076	0.27	0.42	0.05	15.77
Heating Equipment (more than one may apply)										
Heat Pumps	115	Q	16	602	Q	327	0.19	Q	Q	35.74
Furnaces	418	374	43	1,745	1,291	454	0.24	0.29	0.10	19.86
Individual Space Heaters	508	435	73	2,098	1,265	833	0.24	0.34	0.09	20.91
District Heat	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Boilers	1,423	1,330	94	5,250	3,120	2,130	0.27	0.43	0.04	14.83
Packaged Heating Units	107	Q	Q	627	Q	Q	0.17	Q	Q	33.37
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy Conservation Features (more than one may apply)										
Any Conservation Features	1,867	1,668	199	7,246	4,357	2,889	0.26	0.38	0.07	14.65
Building Shell	1,785	1,601	185	7,142	4,265	2,878	0.25	0.38	0.06	15.18
HVAC	1,651	1,477	175	6,282	3,732	2,550	0.26	0.40	0.07	15.50
Lighting	805	713	92	3,798	1,946	1,852	0.21	0.37	0.05	18.47
Other	335	272	Q	960	492	Q	0.35	0.55	Q	30.05
Energy Management Practices (more than one may apply)										
Energy Management and Control System	384	344	40	1,841	684	1,157	0.21	0.50	0.03	26.97
Demand-Side Management ¹ Participation	479	432	47	2,031	949	1,083	0.24	0.45	0.04	23.93
Energy Audit	526	461	65	2,248	1,271	978	0.23	0.36	0.07	24.14
Building Energy Manager	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.45. Fuel Oil Consumption and Conditional Energy Intensity for Buildings Heated with Fuel Oil, 1992 (Continued)

Building Characteristics	Total Fuel Oil Consumption (million gallons)			Total Floorspace of Buildings Using Fuel Oil (million square feet)			Fuel Oil Energy Intensity (gallons/sq. ft.)			RSE Row Factor
	All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		All Buildings Heated with Fuel Oil	Buildings Heated with Fuel Oil		
		Main Heating	Secondary Heating		Main Heating	Secondary Heating		Main Heating	Secondary Heating	
	RSE Column Factor:	1.0	1.1	1.7	0.8	0.9	1.1	0.7	0.6	
Annual Consumption (gallons)										
1,000 or less	94	78	16	2,058	547	1,511	0.05	0.14	0.01	19.18
1,001 to 5,000	438	399	Q	1,799	1,288	Q	0.24	0.31	Q	16.96
5,001 to 10,000	241	208	Q	953	604	Q	0.25	0.34	Q	26.94
10,001 to 25,000	278	256	Q	728	561	Q	0.38	0.46	Q	25.43
Over 25,000	826	737	Q	1,784	1,403	Q	0.46	0.53	Q	23.13

¹ These Demand-Side Management (DSM) data, which include utility-sponsored programs, in-house programs, and third-party sponsored programs, were reported by the building respondent on the Building Questionnaire (Form EIA-871A). The electric utility-sponsored DSM data reported by the electricity suppliers (Form EIA-871E-1b) are presented in the "At a Glance" section and Table 3.49 of this section. See Appendix B, "Nonsampling and Sampling Errors," for a discussion of the differences between the energy supplier-reported data and building respondent-reported data.

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

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • 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. • HVAC = Heating, Ventilation, and Air Conditioning. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1992 Commercial Buildings Energy Consumption Survey.