

Table 3.3. Total Energy Expenditures by Major Fuel, 1992

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat	
	0.6	0.7	0.7	0.7	1.0	2.0	2.2	
All Buildings	4,806	67,876	71,821	57,619	9,901	1,400	2,901	6.10
Building Floorspace (square feet)								
1,001 to 5,000	2,681	7,327	10,559	8,536	1,716	252	Q	8.10
5,001 to 10,000	975	7,199	7,995	6,336	1,342	264	Q	8.38
10,001 to 25,000	647	10,375	10,126	7,758	1,882	150	336	10.72
25,001 to 50,000	280	10,069	9,864	7,619	1,559	271	Q	12.85
50,001 to 100,000	116	8,062	8,483	6,806	1,184	140	353	13.63
100,001 to 200,000	71	9,678	8,413	6,935	893	134	451	13.69
200,001 to 500,000	26	7,889	8,457	6,847	742	113	755	17.27
Over 500,000	9	7,278	7,924	6,783	582	76	483	22.90
Principal Building Activity								
Education	301	8,470	7,389	5,526	1,271	277	315	11.61
Food Sales	130	757	2,389	2,250	134	Q	Q	23.36
Food Service	260	1,491	4,280	3,359	818	Q	Q	13.08
Health Care	63	1,763	3,733	2,640	662	86	346	17.63
Lodging	154	2,891	5,459	4,030	929	79	421	20.55
Mercantile and Service	1,272	12,402	12,907	10,583	1,899	318	Q	10.27
Office	749	12,319	18,102	15,511	1,618	245	728	11.20
Parking Garage	24	1,652	811	743	43	Q	Q	44.73
Public Assembly	278	4,556	4,163	3,430	490	80	164	17.45
Public Order and Safety	60	820	998	619	173	Q	Q	30.11
Religious Worship	366	3,747	1,299	890	332	72	Q	13.67
Warehouse and Storage	761	11,484	6,750	5,386	939	139	Q	14.17
Other	69	1,130	1,954	1,479	302	Q	Q	26.09
Vacant	319	4,396	1,585	1,172	290	Q	Q	20.02
Year Constructed								
1899 or Before	169	1,721	1,447	1,029	281	60	Q	20.41
1900 to 1919	255	3,608	2,516	1,711	516	126	Q	17.55
1920 to 1945	724	8,712	7,534	5,263	1,442	283	546	13.72
1946 to 1959	880	10,421	9,797	7,477	1,665	310	346	12.36
1960 to 1969	783	12,612	14,532	11,617	1,903	262	750	11.93
1970 to 1979	982	14,014	16,459	13,659	2,187	251	363	10.35
1980 to 1989	884	14,287	16,834	14,510	1,668	90	566	12.10
1990 to 1992	128	2,502	2,702	2,354	239	Q	Q	20.34
Census Region and Division								
Northeast	771	13,400	16,226	12,250	2,014	989	973	9.66
New England	186	3,265	4,063	2,935	476	433	219	22.91
Middle Atlantic	585	10,135	12,163	9,315	1,538	556	754	13.25
Midwest	1,202	17,280	16,957	12,745	3,011	132	1,069	11.41
East North Central	749	10,712	11,040	8,308	2,076	76	580	13.28
West North Central	453	6,568	5,916	4,437	935	Q	Q	21.57
South	1,963	24,577	22,843	19,097	2,998	257	492	11.49
South Atlantic	755	10,586	10,893	9,252	1,147	213	282	16.25
East South Central	454	5,375	4,728	3,851	787	Q	Q	20.55
West South Central	754	8,616	7,222	5,994	1,064	Q	Q	22.02
West	870	12,619	15,795	13,527	1,878	Q	368	13.50
Mountain	297	3,645	4,372	3,616	559	Q	Q	24.17
Pacific	574	8,974	11,424	9,911	1,319	Q	181	15.57
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and -- More than 7,000 HDD	399	5,623	4,806	3,553	790	233	229	19.12
5,500-7,000 HDD	1,134	18,024	19,519	14,625	3,264	479	1,150	11.54
4,000-5,499 HDD	1,077	16,162	16,998	13,278	2,158	579	984	14.23
Fewer than 4,000 HDD	1,101	15,251	17,400	14,688	2,386	Q	270	18.09
More than 2,000 CDD and -- Fewer than 4,000 HDD	1,095	12,816	13,098	11,474	1,304	53	267	18.22

See footnotes at end of table.

Table 3.3. Total Energy Expenditures by Major Fuel, 1992 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat	
	0.6	0.7	0.7	0.7	1.0	2.0	2.2	
Energy Sources (more than one may apply)								
Electricity	4,611	66,525	71,817	57,619	9,900	1,398	2,901	6.22
Natural Gas	2,657	44,994	51,785	39,769	9,901	507	1,608	7.77
Fuel Oil	560	13,215	17,748	14,003	1,623	1,400	723	12.07
District Heat	95	5,245	9,106	5,746	429	Q	2,901	21.33
District Chilled Water	28	1,914	3,167	2,170	178	Q	789	25.45
Propane	337	3,393	3,561	3,085	201	187	Q	20.30
Any Other	163	1,551	992	831	100	Q	Q	23.86
Energy End Uses (more than one may apply)								
Heated Buildings	4,178	61,996	69,379	55,265	9,815	1,397	2,901	6.11
Buildings with A/C	3,502	57,041	66,430	53,825	8,969	1,103	2,533	6.44
Buildings with Water Heating	3,502	58,479	67,927	54,252	9,582	1,274	2,819	6.31
Buildings with Cooking	734	23,065	30,816	24,939	4,103	514	1,260	8.22
Buildings with Manufacturing	121	3,174	3,736	2,650	678	136	Q	18.77
Workers (main shift)								
Less than 5	2,718	17,944	11,530	9,236	1,778	335	Q	10.41
5 to 9	895	7,524	7,425	5,753	1,244	199	Q	8.30
10 to 19	561	8,077	8,608	6,736	1,413	131	327	12.78
20 to 49	405	10,556	12,382	9,374	2,302	263	443	12.65
50 to 99	130	7,763	8,554	6,953	1,206	158	237	14.47
100 or More	96	16,011	23,323	19,566	1,958	315	1,484	10.58
Weekly Operating Hours								
39 or Fewer	1,039	8,246	3,233	2,223	731	202	Q	11.94
40 to 48	1,278	14,998	13,455	10,823	1,869	352	412	9.91
49 to 60	1,004	14,046	12,678	10,197	1,888	218	376	9.74
61 to 84	645	12,062	13,532	11,389	1,666	218	260	10.17
85 to 167	478	8,467	12,026	10,031	1,521	198	277	14.13
Open Continuously	362	10,057	16,896	12,957	2,226	213	1,500	13.70
Ownership and Occupancy								
Nongovernment Owned	4,206	52,752	56,302	46,002	7,808	936	1,556	6.91
Owner Occupied	3,192	38,403	43,713	35,438	6,091	824	1,360	7.05
Single Establishment	2,864	29,992	34,881	27,862	5,236	657	1,126	8.45
Multiple Establishment	328	8,411	8,832	7,576	855	167	234	14.79
Nonowner Occupied	817	12,273	12,089	10,173	1,618	105	193	12.92
Single Establishment	495	5,565	5,623	4,627	895	36	Q	18.85
Multiple Establishment	322	6,708	6,465	5,546	723	70	Q	15.63
Vacant	197	2,077	500	392	99	Q	Q	31.76
Government Owned	599	15,124	15,519	11,617	2,094	465	1,345	9.81
Predominant Exterior Wall Material								
Masonry	3,115	48,585	51,397	40,496	7,734	1,128	2,038	6.39
Siding or Shingles	764	3,873	4,006	3,260	561	131	Q	11.40
Metal Panels	745	7,392	5,861	4,786	851	85	Q	15.75
Concrete Panels	87	4,961	5,841	4,868	528	Q	436	18.18
Window Glass	46	2,028	3,347	3,066	133	33	115	25.62
Other	47	1,037	1,370	1,143	93	Q	Q	30.23
Predominant Roof Material								
Built-Up	1,642	30,257	34,687	28,113	4,610	542	1,422	8.19
Shingles (Not Wood)	1,381	10,570	9,813	7,649	1,682	282	199	11.02
Metal Surfacing	1,037	9,019	6,427	5,194	948	112	Q	11.68
Synthetic or Rubber	386	11,702	14,644	11,633	1,908	364	739	11.40
Other	359	6,328	6,251	5,030	753	100	367	15.26

See footnotes at end of table.

Table 3.3. Total Energy Expenditures by Major Fuel, 1992 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat	
	0.6	0.7	0.7	0.7	1.0	2.0	2.2	
Floors								
One	3,007	25,424	24,083	19,785	3,501	394	Q	8.42
Two	1,154	18,025	18,040	14,763	2,686	319	Q	7.82
Three	446	9,877	10,674	8,234	1,662	351	426	11.84
Four to Nine	186	10,377	12,623	9,537	1,676	246	1,164	14.39
Ten or More	13	4,173	6,402	5,299	375	Q	637	18.83
Percent Window Glass								
25 or Less	4,193	51,356	49,909	39,804	7,277	1,015	1,813	7.10
26 to 50	490	11,815	14,726	11,654	2,077	283	712	9.13
51 to 75	94	3,206	5,483	3,829	441	67	243	16.97
76 to 100	29	1,499	2,606	2,332	106	Q	Q	34.51
Building Shape								
Square	280	3,654	3,842	3,165	441	75	160	13.72
Rectangle	3,659	39,233	41,205	33,121	5,688	816	1,579	7.34
Right Angle	333	6,071	5,483	4,377	823	140	144	12.70
Other	533	18,919	21,292	16,955	2,949	369	1,018	10.41
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	735	22,166	30,221	24,343	4,104	514	1,260	8.00
Computer Room	223	14,199	20,434	17,102	2,043	302	987	11.92
Rooms with Special Ventilation	236	8,042	11,678	9,076	1,562	210	830	12.74
Activities with Large Amounts of Hot Water	203	6,862	10,083	7,390	1,966	221	507	13.00
Space-Heating Energy Sources (more than one may apply)								
Electricity	1,513	25,636	29,489	25,856	2,720	254	659	9.40
Natural Gas	2,397	38,467	41,084	31,839	8,756	228	261	8.85
Fuel Oil	478	7,323	8,663	6,218	844	1,336	Q	12.85
District Heat	91	5,130	8,820	5,615	405	Q	2,776	16.55
Propane	255	1,568	1,300	1,249	Q	40	Q	23.72
Wood	102	504	263	214	30	Q	Q	28.60
Any Other	39	661	232	195	Q	Q	Q	50.01
Cooling Energy Sources (more than one may apply)								
Electricity	3,404	54,628	63,077	51,474	8,582	1,087	1,934	6.66
Natural Gas	106	1,906	3,002	2,173	782	Q	Q	23.86
District Chilled Water	28	1,914	3,167	2,170	178	Q	789	25.45
Water-Heating Energy Sources (more than one may apply)								
Electricity	1,696	25,482	26,508	23,303	2,324	441	441	9.48
Natural Gas	1,643	29,950	35,962	27,430	7,620	232	679	9.26
Fuel Oil	125	2,469	2,905	2,004	163	683	Q	21.05
District Heat	36	3,292	5,995	3,912	158	11	1,913	19.58
Propane	80	659	717	674	Q	Q	Q	36.23
Cooking Energy Sources (more than one may apply)								
Electricity	356	12,183	16,429	13,854	1,626	271	678	10.77
Natural Gas	430	15,204	20,650	16,095	3,562	217	776	9.25
Propane	70	1,039	1,332	1,171	Q	119	Q	27.01
Manufacturing Energy Sources (more than one may apply)								
Electricity	95	2,579	3,080	2,251	495	96	Q	20.09
Natural Gas	22	799	960	553	316	Q	Q	35.38
Other	15	343	477	286	Q	Q	Q	44.81

See footnotes at end of table.

Table 3.3. Total Energy Expenditures by Major Fuel, 1992 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Elec- tricity	Natural Gas	Fuel Oil	District Heat	
	0.6	0.7	0.7	0.7	1.0	2.0	2.2	
Percent of Floorspace Heated								
Not Heated	628	5,880	2,442	2,353	Q	Q	Q	22.86
1 to 50	713	11,525	7,115	6,038	871	142	Q	14.16
51 to 99	618	10,211	12,165	10,034	1,578	214	339	11.50
100	2,846	40,260	50,099	39,192	7,367	1,041	2,498	6.98
Percent of Floorspace Cooled								
Not Cooled	1,304	10,835	5,391	3,794	932	297	368	12.02
1 to 50	1,176	21,715	15,648	11,296	2,879	696	777	8.63
51 to 99	658	13,872	19,454	16,302	2,216	228	708	10.24
100	1,668	21,454	31,328	26,227	3,874	178	1,048	8.94
Heating Equipment (more than one may apply)								
Heat Pumps	449	8,269	10,355	8,938	1,006	92	318	14.54
Furnaces	1,692	16,909	15,953	12,330	3,209	351	Q	8.74
Individual Space Heaters	1,464	22,380	22,391	18,096	3,293	391	610	9.56
District Heat	93	5,225	9,008	5,725	474	Q	2,785	16.55
Boilers	624	20,664	22,741	17,612	4,030	1,018	Q	8.41
Packaged Heating Units	870	16,000	20,026	16,901	2,815	86	224	11.77
Other	42	903	2,049	1,601	Q	Q	Q	29.95
Heating Distribution Equipment (more than one may apply)								
Radiators or Baseboards	473	13,263	14,793	10,088	2,434	767	1,503	9.04
Ducts for Heating	2,955	45,422	53,420	43,424	7,555	742	1,700	6.92
VAV System Used	210	11,528	16,354	13,610	1,706	144	894	13.21
Individual Space Heaters	1,464	22,380	22,391	18,096	3,293	391	610	9.56
Fan Coil Units or Other	276	8,457	11,132	7,931	1,925	296	980	12.66
Cooling Equipment (more than one may apply)								
Residential-Type Central A/C	816	9,021	9,791	7,324	1,972	201	Q	12.04
Heat Pumps	454	8,406	10,729	9,139	1,093	109	388	13.93
Individual A/C	1,023	17,979	17,702	13,205	2,830	652	1,015	9.48
District Chilled Water	28	2,066	3,220	2,173	229	Q	789	25.60
Central Chillers	142	12,991	18,581	15,291	2,141	246	902	12.81
Packaged A/C Units	1,459	27,830	34,931	28,748	4,769	449	965	8.66
Swamp Coolers	179	2,085	2,843	2,292	449	Q	Q	27.85
Other	8	268	249	220	Q	Q	Q	58.31
Cooling Distribution Equipment (more than one may apply)								
Ducts for Cooling	2,733	47,755	57,807	47,542	7,526	705	2,034	6.89
VAV System Used	221	12,430	18,366	15,519	1,718	154	974	12.12
Individual A/C	1,023	17,979	17,702	13,205	2,830	652	1,015	9.48
Fan Coil Units or Other	166	6,611	8,837	6,696	1,410	175	555	17.91
Water-Heating Equipment (more than one may apply)								
Centralized System	1,994	31,599	39,145	30,437	5,716	941	2,051	8.27
Distributed System	1,557	29,502	31,733	26,294	4,225	360	854	9.73
Energy Conservation Features (more than one may apply)								
Any Conservation Features	4,357	64,403	70,720	56,750	9,688	1,391	2,892	6.20
Building Shell	4,223	62,056	68,828	55,190	9,488	1,332	2,819	6.28
HVAC	2,604	50,281	60,920	48,918	8,002	1,213	2,787	6.67
Lighting	1,178	29,453	37,614	30,760	4,537	610	1,707	8.43
Other	264	5,952	6,921	5,436	903	222	359	12.31

See footnotes at end of table.

Table 3.3. Total Energy Expenditures by Major Fuel, 1992 (Continued)

Building Characteristics	All Buildings		Total Energy Expenditures (million dollars)					RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Total of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat	
	0.6	0.7	0.7	0.7	1.0	2.0	2.2	
Energy Management Practices (more than one may apply)								
Energy Management and Control System	236	14,320	19,830	16,531	1,832	262	1,205	12.10
Demand-Side Management ¹ Participation	315	11,310	15,493	12,252	1,931	325	987	10.73
Energy Audit	521	14,779	19,319	15,598	2,359	381	981	10.07
Building Energy Manager	49	2,311	3,156	2,457	452	Q	226	23.58

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.

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. • VAV = Variable Air Volume. • 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 3.14. Total Electricity Consumption and Expenditures, 1992

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	0.9	0.9	0.8	1.1	1.1	1.1	1.1	
All Buildings	4,611	66,525	14.4	7,876	2,609	765	57,619	4.04
Building Floorspace (square feet)								
1,001 to 5,000	2,535	6,984	2.8	1,009	334	98	8,536	4.71
5,001 to 10,000	954	7,056	7.4	759	251	74	6,336	5.07
10,001 to 25,000	628	10,097	16.1	1,011	335	98	7,758	5.03
25,001 to 50,000	275	9,856	35.9	1,049	347	102	7,619	6.61
50,001 to 100,000	114	7,926	69.7	930	308	90	6,806	7.67
100,001 to 200,000	70	9,658	137.1	1,047	347	102	6,935	8.15
200,001 to 500,000	25	7,677	304.5	1,089	361	106	6,847	9.65
Over 500,000	9	7,271	770.7	980	325	95	6,783	13.75
Principal Building Activity								
Education	301	8,470	28.2	708	235	69	5,526	8.71
Food Sales	130	757	5.8	340	113	33	2,250	14.30
Food Service	260	1,491	5.7	415	138	40	3,359	9.37
Health Care	63	1,763	27.9	416	138	40	2,640	11.81
Lodging	154	2,891	18.8	571	189	55	4,030	16.26
Mercantile and Service	1,267	12,388	9.8	1,342	444	130	10,583	6.36
Office	749	12,318	16.4	2,124	704	206	15,511	7.84
Parking Garage	24	1,652	69.9	Q	Q	Q	743	33.35
Public Assembly	278	4,554	16.4	522	173	51	3,430	9.89
Public Order and Safety	60	820	13.7	84	28	8	619	25.10
Religious Worship	366	3,747	10.2	95	32	9	890	10.49
Warehouse and Storage	685	11,179	16.3	765	253	74	5,386	11.51
Other	65	1,124	17.3	235	78	23	1,479	18.37
Vacant	210	3,371	16.1	141	47	14	1,172	15.72
Year Constructed								
1899 or Before	169	1,721	10.2	116	38	11	1,029	16.90
1900 to 1919	244	3,401	14.0	202	67	20	1,711	15.29
1920 to 1945	681	8,385	12.3	655	217	64	5,263	10.58
1946 to 1959	839	10,135	12.1	1,002	332	97	7,477	9.17
1960 to 1969	757	12,473	16.5	1,593	528	155	11,617	7.76
1970 to 1979	945	13,779	14.6	1,898	629	184	13,659	6.84
1980 to 1989	853	14,148	16.6	2,080	689	202	14,510	7.08
1990 to 1992	124	2,482	20.0	330	109	32	2,354	14.25
Census Region and Division								
Northeast	755	13,235	17.5	1,264	419	123	12,250	7.13
New England	186	3,265	17.6	308	102	30	2,935	20.44
Middle Atlantic	569	9,971	17.5	956	317	93	9,315	10.68
Midwest	1,139	16,902	14.8	1,876	622	182	12,745	7.80
East North Central	723	10,574	14.6	1,134	376	110	8,308	10.59
West North Central	416	6,328	15.2	742	246	72	4,437	14.74
South	1,872	23,972	12.8	3,025	1,002	294	19,097	6.98
South Atlantic	736	10,431	14.2	1,388	460	135	9,252	9.18
East South Central	428	5,237	12.2	709	235	69	3,851	15.38
West South Central	708	8,305	11.7	927	307	90	5,994	12.08
West	845	12,415	14.7	1,710	566	166	13,527	8.10
Mountain	283	3,562	12.6	559	185	54	3,616	14.58
Pacific	562	8,853	15.7	1,151	381	112	9,911	9.68
Climate Zone: 45-Year Average								
Fewer than 2,000 CDD and --								
More than 7,000 HDD	382	5,475	14.3	585	194	57	3,553	14.02
5,500-7,000 HDD	1,089	17,719	16.3	1,873	621	182	14,625	9.28
4,000-5,499 HDD	1,039	15,965	15.4	1,800	596	175	13,278	10.50
Fewer than 4,000 HDD	1,054	14,865	14.1	1,994	661	194	14,688	12.03
More than 2,000 CDD and --								
Fewer than 4,000 HDD	1,048	12,501	11.9	1,623	537	158	11,474	10.86

See footnotes at end of table.

Table 3.14. Total Electricity Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	0.9	0.9	0.8	1.1	1.1	1.1	1.1	
Energy Sources (more than one may apply)								
Electricity	4,611	66,525	14.4	7,876	2,609	765	57,619	4.04
Natural Gas	2,655	44,987	16.9	5,341	1,769	519	39,769	5.22
Fuel Oil	557	13,208	23.7	1,981	656	192	14,003	10.36
District Heat	95	5,245	55.4	842	279	82	5,746	21.19
District Chilled Water	28	1,914	68.0	357	118	35	2,170	19.64
Propane	335	3,386	10.1	398	132	39	3,085	13.50
Any Other	159	1,541	9.7	112	37	11	831	17.89
Energy End Uses (more than one may apply)								
Heated Buildings	4,172	61,964	14.9	7,544	2,499	732	55,265	4.07
Buildings with A/C	3,502	57,041	16.3	7,384	2,446	717	53,825	4.25
Buildings with Water Heating	3,502	58,477	16.7	7,453	2,469	723	54,252	4.21
Buildings with Cooking	734	23,065	31.4	3,510	1,163	341	24,939	5.87
Buildings with Manufacturing	118	3,167	26.8	356	118	35	2,650	13.77
Workers (main shift)								
Less than 5	2,526	16,616	6.6	1,164	385	113	9,236	6.84
5 to 9	895	7,524	8.4	707	234	69	5,753	5.59
10 to 19	560	8,054	14.4	887	294	86	6,736	9.40
20 to 49	405	10,556	26.1	1,275	422	124	9,374	7.59
50 to 99	130	7,763	59.7	999	331	97	6,953	9.72
100 or More	96	16,010	167.1	2,844	942	276	19,566	7.59
Weekly Operating Hours								
39 or Fewer	886	7,065	8.0	244	81	24	2,223	8.90
40 to 48	1,268	14,945	11.8	1,457	483	141	10,823	7.68
49 to 60	992	14,020	14.1	1,293	428	125	10,197	6.19
61 to 84	641	12,028	18.8	1,454	482	141	11,389	8.16
85 to 167	475	8,455	17.8	1,356	449	132	10,031	8.30
Open Continuously	349	10,011	28.7	2,072	686	201	12,957	8.50
Ownership and Occupancy								
Nongovernment Owned	4,033	51,579	12.8	6,204	2,055	602	46,002	4.40
Owner Occupied	3,126	38,157	12.2	4,814	1,595	467	35,438	4.59
Single Establishment	2,799	29,752	10.6	3,847	1,274	373	27,862	5.40
Multiple Establishment	327	8,405	25.7	967	320	94	7,576	10.64
Nonowner Occupied	796	12,156	15.3	1,345	445	131	10,173	7.44
Single Establishment	485	5,520	11.4	673	223	65	4,627	12.18
Multiple Establishment	311	6,636	21.3	671	222	65	5,546	9.35
Vacant	112	1,265	11.3	45	15	4	392	26.99
Government Owned	578	14,946	25.9	1,672	554	162	11,617	7.28
Predominant Exterior Wall Material								
Masonry	3,033	47,814	15.8	5,520	1,828	536	40,496	4.17
Siding or Shingles	715	3,647	5.1	390	129	38	3,260	7.24
Metal Panels	690	7,125	10.3	707	234	69	4,786	12.73
Concrete Panels	85	4,906	57.7	669	222	65	4,868	11.55
Window Glass	43	2,008	46.8	424	140	41	3,066	21.78
Other	46	1,024	22.5	165	55	16	1,143	23.98
Predominant Roof Material								
Built-Up	1,593	29,757	18.7	3,900	1,292	379	28,113	5.42
Shingles (Not Wood)	1,347	10,321	7.7	951	315	92	7,649	8.66
Metal Surfacing	946	8,633	9.1	727	241	71	5,194	8.43
Synthetic or Rubber	378	11,595	30.7	1,620	537	157	11,633	7.38
Other	347	6,219	17.9	677	224	66	5,030	11.54

See footnotes at end of table.

Table 3.14. Total Electricity Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	0.9	0.9	0.8	1.1	1.1	1.1	1.1	
Space-Heating Energy Source								
Electricity	1,513	25,636	16.9	3,631	1,203	352	25,856	6.02
Electricity Main	1,107	15,502	14.0	2,414	800	234	16,781	6.66
Electricity Secondary	406	10,134	24.9	1,216	403	118	9,075	10.00
Other Excluding Electricity	2,659	36,328	13.7	3,914	1,296	380	29,409	4.96
Building Not Heated	439	4,560	10.4	331	110	32	2,353	21.74
Main Space-Heating Energy Source								
Electricity	1,107	15,502	14.0	2,414	800	234	16,781	6.66
Natural Gas	2,268	35,122	15.5	3,868	1,281	375	28,866	5.81
Fuel Oil	394	4,404	11.2	327	108	32	3,122	13.06
District Heat	89	4,749	53.5	780	258	76	5,321	14.17
Propane	217	1,101	5.1	90	30	9	777	17.64
Wood	64	246	3.8	10	3	1	98	20.85
Any Other	24	546	Q	22	7	2	124	40.17
Replacement Energy Source for Main Heating								
Electricity Only	350	2,559	7.3	229	76	22	1,825	11.27
Natural Gas Only	213	2,260	10.6	246	81	24	1,853	12.64
Fuel Oil Only	161	5,451	33.9	784	260	76	5,062	12.83
Propane Only	210	2,168	10.3	218	72	21	1,587	13.77
Any Other Single Energy Source	57	477	8.4	38	13	4	Q	32.69
More than One Energy Source	93	895	9.6	97	32	9	685	19.35
No Replacement Energy Source	3,088	48,155	15.6	5,934	1,965	576	43,853	4.48
Building Not Heated	439	4,560	10.4	331	110	32	2,353	21.74
Cooling Energy Source								
Electricity	3,404	54,628	16.0	7,022	2,326	682	51,474	4.33
Other Excluding Electricity	97	2,413	24.8	362	120	35	2,351	16.98
A/C Not Performed	1,110	9,484	8.5	492	163	48	3,794	11.91
Water-Heating Energy Source								
Electricity	1,696	25,482	15.0	3,317	1,099	322	23,303	5.72
Other Excluding Electricity	1,805	32,995	18.3	4,136	1,370	401	30,949	5.41
Water Heating Not Performed	1,110	8,047	7.3	423	140	41	3,367	13.37
Cooking Energy Source								
Electricity	356	12,183	34.2	2,005	664	195	13,854	6.73
Other Excluding Electricity	378	10,882	28.8	1,504	498	146	11,086	8.34
Cooking Not Performed	3,877	43,460	11.2	4,366	1,446	424	32,679	4.78
Manufacturing Energy Source								
Electricity	95	2,579	27.3	307	102	30	2,251	14.79
Other Excluding Electricity	24	588	24.7	50	17	5	399	23.78
Manufacturing Not Performed	4,493	63,358	14.1	7,519	2,491	730	54,969	4.14
Percent of Floorspace Heated								
Not Heated	439	4,560	10.4	331	110	32	2,353	21.74
1 to 50	711	11,507	16.2	769	255	75	6,038	9.70
51 to 99	615	10,199	16.6	1,306	433	127	10,034	7.39
100	2,846	40,258	14.1	5,469	1,812	531	39,192	4.71
Percent of Floorspace Cooled								
Not Cooled	1,110	9,484	8.5	492	163	48	3,794	11.91
1 to 50	1,176	21,715	18.5	1,439	477	140	11,296	5.54
51 to 99	658	13,872	21.1	2,259	748	219	16,302	6.80
100	1,668	21,454	12.9	3,685	1,221	358	26,227	5.82

See footnotes at end of table.

Table 3.14. Total Electricity Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	0.9	0.9	0.8	1.1	1.1	1.1	1.1	
Percent Lit when Open								
Not Lit	220	1,935	8.8	51	17	5	429	22.31
1 to 50	880	9,975	11.3	500	166	49	3,976	11.33
51 to 99	813	14,222	17.5	1,650	547	160	12,433	5.53
100	2,699	40,393	15.0	5,674	1,880	551	40,781	4.91
Percent Lit when Closed								
Not Lit	2,792	33,135	11.9	3,807	1,261	370	26,703	5.17
1 to 50	1,689	31,482	18.6	3,792	1,256	368	28,938	5.18
51 to 99	43	1,021	24.0	169	56	16	1,231	20.94
100	87	887	10.2	107	36	10	747	20.98
Heating Equipment (more than one may apply)								
Heat Pumps	449	8,269	18.4	1,312	435	127	8,938	9.04
Furnaces	1,692	16,908	10.0	1,597	529	155	12,330	5.68
Individual Space Heaters	1,459	22,364	15.3	2,550	845	248	18,096	5.73
District Heat	93	5,225	55.9	843	279	82	5,725	14.05
Boilers	624	20,664	33.1	2,504	829	243	17,612	6.31
Packaged Heating Units	870	15,999	18.4	2,203	730	214	16,901	7.35
Other	42	903	21.2	249	83	24	1,601	20.16
Cooling Equipment (more than one may apply)								
Residential-Type Central A/C	816	9,021	11.0	977	324	95	7,324	8.11
Heat Pumps	454	8,406	18.5	1,316	436	128	9,139	8.74
Individual A/C	1,023	17,979	17.6	1,744	578	169	13,205	7.25
District Chilled Water	28	2,066	72.6	357	118	35	2,173	19.90
Central Chillers	142	12,991	91.5	2,310	765	224	15,291	8.48
Packaged A/C Units	1,459	27,830	19.1	3,850	1,275	374	28,748	5.68
Swamp Coolers	179	2,085	11.7	326	108	32	2,292	17.76
Other	Q	268	35.0	37	12	4	220	40.18
Lighting Equipment (more than one may apply)								
Incandescent	2,509	39,221	15.6	4,944	1,638	480	36,084	4.64
Standard Fluorescent	4,064	62,067	15.3	7,541	2,498	732	55,275	4.01
Compact Fluorescent	206	8,335	40.4	1,385	459	134	9,997	8.99
High-Intensity Discharge	354	17,569	49.7	2,231	739	217	15,356	7.02
Other	78	1,612	20.6	199	66	19	1,508	22.24
Water-Heating Equipment (more than one may apply)								
Centralized System	1,994	31,599	15.8	4,185	1,386	406	30,437	5.42
Distributed System	1,557	29,500	18.9	3,674	1,217	357	26,294	6.63
Commercial Refrigeration Equipment (more than one may apply)								
Any Equipment	970	25,406	26.2	4,067	1,347	395	28,798	5.29
Walk-in Units	591	18,680	31.6	3,310	1,096	321	22,858	6.15
Cases and Cabinets	783	20,987	26.8	3,462	1,147	336	24,416	5.57
None	3,641	41,119	11.3	3,808	1,261	370	28,821	5.26
Personal Computers and/or Computer Terminals								
1 to 4	1,269	13,355	10.5	1,274	422	124	10,068	5.86
5 to 9	336	5,970	17.7	698	231	68	5,315	8.54
10 to 19	216	6,236	28.9	753	250	73	5,405	10.22
20 to 49	164	7,439	45.4	877	291	85	6,343	9.76
50 or More	111	14,691	132.3	2,707	897	263	18,514	7.92

See footnotes at end of table.

Table 3.14. Total Electricity Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Electricity			Electricity Consumption			Electricity Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Primary	Site		Total (million dollars)	
				Total (trillion Btu)	Total (trillion Btu)	Total (billion kWh)		
RSE Column Factor:	0.9	0.9	0.8	1.1	1.1	1.1	1.1	
Annual Consumption (kilowatthours)								
10,000 or Less	1,089	4,749	4.4	55	18	5	622	7.45
10,001 to 50,000	1,772	11,699	6.6	457	151	44	4,420	5.03
50,001 to 100,000	672	7,084	10.5	500	166	49	4,461	6.08
100,001 to 500,000	828	16,041	19.4	1,794	594	174	14,271	4.20
500,001 to 1,000,000	115	6,358	55.2	807	267	78	5,825	8.92
1,000,001 to 5,000,000	117	12,616	107.8	2,339	775	227	15,882	6.92
Over 5,000,000	17	7,978	459.6	1,924	637	187	12,138	11.19
Peak Electricity Demand (kilowatts)								
10 or Less	434	2,330	5.4	57	19	6	548	12.86
11 to 25	635	4,410	6.9	233	77	23	2,219	7.96
26 to 50	500	4,994	10.0	466	154	45	3,932	6.92
51 to 100	389	6,929	17.8	758	251	74	6,143	7.50
101 to 250	246	8,410	34.2	1,063	352	103	7,924	7.97
251 to 1,000	141	12,155	86.3	2,042	676	198	14,031	9.87
Over 1,000	30	8,184	269.8	1,860	616	181	11,712	13.92
Season of Peak Electricity Demand								
Summer	1,342	29,289	21.8	4,266	1,413	414	30,559	7.38
Winter	854	15,679	18.4	1,922	637	187	13,752	8.60
Summer and Winter	179	2,444	13.6	290	96	28	2,198	14.57
Building Generates Electricity								
Yes	153	10,373	67.7	1,914	634	186	12,741	8.74
No	4,458	56,152	12.6	5,962	1,975	579	44,878	4.23

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. • Site electricity is the amount of electricity delivered to commercial buildings. Primary electricity, which is not included in the "Total of Major Fuels" category, is site electricity plus the conversion losses in the electric generation process at the utility plant. • 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 3.30. Total Natural Gas Consumption and Expenditures, 1992

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	RSE Column Factor:	0.9	0.9	0.8	1.3	1.3	
All Buildings	2,657	44,994	16.9	2,174	2,113	9,901	5.80
Building Floorspace (square feet)							
1,001 to 5,000	1,325	3,752	2.8	321	312	1,716	6.39
5,001 to 10,000	573	4,262	7.4	251	244	1,342	5.51
10,001 to 25,000	417	6,835	16.4	438	426	1,882	7.40
25,001 to 50,000	182	6,521	35.9	324	314	1,559	10.29
50,001 to 100,000	83	5,735	69.2	255	248	1,184	8.12
100,001 to 200,000	52	7,134	137.1	206	200	893	7.28
200,001 to 500,000	18	5,600	305.1	215	209	742	13.40
Over 500,000	6	5,155	847.5	165	160	582	17.21
Principal Building Activity							
Education	197	6,856	34.7	291	283	1,271	11.07
Food Sales	70	509	7.3	24	23	134	20.10
Food Service	196	1,145	5.8	157	152	818	11.96
Health Care	45	1,544	34.1	189	184	662	18.65
Lodging	98	2,233	22.8	193	187	929	16.48
Mercantile and Service	762	9,357	12.3	381	370	1,899	10.72
Office	474	7,846	16.6	388	377	1,618	13.37
Parking Garage	11	Q	Q	9	9	43	31.62
Public Assembly	169	2,536	15.0	100	97	490	13.43
Public Order and Safety	37	582	15.7	37	36	173	25.79
Religious Worship	209	2,899	13.9	65	63	332	12.28
Warehouse and Storage	264	6,333	23.9	196	190	939	12.50
Other	29	778	27.3	84	82	302	27.00
Vacant	95	2,008	21.2	61	59	290	22.48
Year Constructed							
1899 or Before	110	1,237	11.2	62	60	281	16.44
1900 to 1919	178	2,785	15.7	102	99	516	14.52
1920 to 1945	436	5,735	13.1	310	301	1,442	13.83
1946 to 1959	516	7,300	14.1	355	345	1,665	12.59
1960 to 1969	463	8,871	19.2	426	414	1,903	10.21
1970 to 1979	513	9,217	18.0	528	513	2,187	10.75
1980 to 1989	387	8,222	21.2	345	335	1,668	9.44
1990 to 1992	53	1,625	30.8	48	47	239	17.67
Census Region and Division							
Northeast	370	8,559	23.1	354	344	2,014	12.51
New England	63	1,761	28.0	75	72	476	26.22
Middle Atlantic	307	6,798	22.1	280	272	1,538	14.62
Midwest	843	13,775	16.3	747	726	3,011	8.22
East North Central	557	8,646	15.5	516	501	2,076	11.06
West North Central	287	5,129	17.9	231	225	935	15.57
South	882	13,361	15.1	697	677	2,998	12.71
South Atlantic	185	4,744	25.7	240	233	1,147	27.10
East South Central	223	3,248	14.6	159	154	787	19.96
West South Central	474	5,369	11.3	299	290	1,064	19.03
West	562	9,299	16.6	376	365	1,878	10.67
Mountain	198	2,560	12.9	137	133	559	16.86
Pacific	364	6,738	18.5	239	232	1,319	12.61
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	229	3,686	16.1	189	184	790	14.62
5,500-7,000 HDD	763	13,718	18.0	746	725	3,264	8.41
4,000-5,499 HDD	480	10,497	21.9	447	434	2,158	17.26
Fewer than 4,000 HDD	647	11,008	17.0	469	456	2,386	14.97
More than 2,000 CDD and --							
Fewer than 4,000 HDD	539	6,084	11.3	324	314	1,304	17.17

See footnotes at end of table.

Table 3.30. Total Natural Gas Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	0.9	0.9	0.8	1.3	1.3	1.1	
Energy Sources (more than one may apply)							
Electricity	2,655	44,987	16.9	2,174	2,113	9,900	6.05
Natural Gas	2,657	44,994	16.9	2,174	2,113	9,901	5.80
Fuel Oil	130	8,426	64.9	410	399	1,623	13.28
District Heat	36	2,677	75.1	116	113	429	24.62
District Chilled Water	16	923	57.8	45	44	178	24.05
Propane	19	797	42.5	41	40	201	31.74
Any Other	43	788	18.2	18	17	100	22.57
Energy End Uses (more than one may apply)							
Heated Buildings	2,619	44,527	17.0	2,159	2,098	9,815	5.71
Buildings with A/C	2,254	41,324	18.3	1,987	1,931	8,969	6.13
Buildings with Water Heating	2,324	43,047	18.5	2,118	2,058	9,582	5.90
Buildings with Cooking	531	18,458	34.7	942	915	4,103	7.61
Buildings with Manufacturing	81	2,528	31.1	157	153	678	20.35
Workers (main shift)							
Less than 5	1,258	8,051	6.4	331	322	1,778	7.72
5 to 9	559	4,500	8.0	299	291	1,244	10.77
10 to 19	383	5,473	14.3	278	270	1,413	11.39
20 to 49	300	8,357	27.9	474	460	2,302	10.67
50 to 99	87	5,974	68.5	280	272	1,206	14.20
100 or More	70	12,638	181.1	513	498	1,958	9.32
Weekly Operating Hours							
39 or Fewer	404	4,019	10.0	151	147	731	12.46
40 to 48	755	9,529	12.6	388	377	1,869	8.75
49 to 60	597	9,553	16.0	406	395	1,888	9.80
61 to 84	403	9,132	22.6	396	385	1,666	9.24
85 to 167	299	6,509	21.8	312	303	1,521	11.27
Open Continuously	199	6,251	31.3	520	506	2,226	12.20
Ownership and Occupancy							
Nongovernment Owned	2,300	34,083	14.8	1,674	1,627	7,808	6.01
Owner Occupied	1,806	26,127	14.5	1,344	1,306	6,091	5.72
Single Establishment	1,597	19,619	12.3	1,167	1,134	5,236	6.24
Multiple Establishment	209	6,508	31.1	177	172	855	12.57
Nonowner Occupied	458	7,466	16.3	310	301	1,618	13.11
Single Establishment	261	2,869	11.0	170	166	895	20.80
Multiple Establishment	197	4,596	23.3	140	136	723	14.87
Vacant	35	490	13.8	20	19	99	33.06
Government Owned	357	10,910	30.6	500	486	2,094	9.96
Predominant Exterior Wall Material							
Masonry	1,945	34,286	17.6	1,654	1,607	7,734	6.30
Siding or Shingles	318	1,961	6.2	103	100	561	11.67
Metal Panels	292	3,449	11.8	240	233	851	15.78
Concrete Panels	50	3,557	70.8	127	124	528	16.49
Window Glass	27	1,024	38.6	30	29	133	20.56
Other	26	716	28.0	20	19	93	31.82
Predominant Roof Material							
Built-Up	1,039	21,288	20.5	997	969	4,610	8.04
Shingles (Not Wood)	752	6,511	8.7	329	320	1,682	8.37
Metal Surfacing	402	4,285	10.7	254	246	948	13.25
Synthetic or Rubber	267	9,326	34.9	445	432	1,908	10.07
Other	196	3,583	18.3	150	146	753	13.42

See footnotes at end of table.

Table 3.30. Total Natural Gas Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	0.9	0.9	0.8	1.3	1.3	1.1	
Space-Heating Energy Source							
Natural Gas	2,397	38,467	16.1	1,938	1,884	8,756	6.14
Natural Gas Main	2,269	35,129	15.5	1,822	1,770	8,277	6.36
Natural Gas Secondary	127	3,338	26.2	117	113	479	19.19
Other Excluding Natural Gas	222	6,059	27.3	220	214	1,059	10.39
Building Not Heated	38	467	12.2	Q	Q	Q	38.92
Main Space-Heating Energy Source							
Electricity	266	5,245	19.7	192	186	975	11.53
Natural Gas	2,269	35,129	15.5	1,822	1,770	8,277	6.36
Fuel Oil	37	1,262	34.2	15	15	99	21.67
District Heat	31	2,256	72.7	87	84	326	18.56
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 Main Heating							
Electricity Only	278	2,096	7.5	157	152	537	16.51
Natural Gas Only	62	959	15.4	30	30	154	20.44
Fuel Oil Only	111	4,959	44.5	356	346	1,389	13.99
Propane Only	130	1,705	13.1	81	78	340	18.10
Any Other Single Energy Source	25	371	14.7	10	10	62	33.62
More than One Energy Source	62	691	11.1	40	39	209	23.56
No Replacement Energy Source	1,949	33,746	17.3	1,485	1,443	7,124	6.43
Building Not Heated	38	467	12.2	Q	Q	Q	38.92
Cooling Energy Source							
Natural Gas	106	1,906	17.9	186	181	782	20.13
Other Excluding Natural Gas	2,148	39,418	18.4	1,801	1,750	8,186	5.95
A/C Not Performed	402	3,670	9.1	187	182	932	12.16
Water-Heating Energy Source							
Natural Gas	1,643	29,950	18.2	1,644	1,598	7,620	6.75
Other Excluding Natural Gas	681	13,096	19.2	474	461	1,962	10.25
Water Heating Not Performed	333	1,947	5.8	56	55	319	9.69
Cooking Energy Source							
Natural Gas	430	15,204	35.3	816	793	3,562	8.03
Other Excluding Natural Gas	101	3,254	32.3	126	122	541	13.21
Cooking Not Performed	2,126	26,535	12.5	1,233	1,198	5,798	7.19
Manufacturing Energy Source							
Natural Gas	22	799	36.7	78	76	316	34.44
Other Excluding Natural Gas	60	1,729	29.0	80	77	362	21.83
Manufacturing Not Performed	2,575	42,465	16.5	2,017	1,960	9,224	5.99
Percent of Floorspace Heated							
Not Heated	38	467	12.2	Q	Q	Q	38.92
1 to 50	377	7,186	19.0	175	170	871	15.76
51 to 99	425	7,685	18.1	362	352	1,578	12.13
100	1,816	29,656	16.3	1,622	1,576	7,367	6.32

See footnotes at end of table.

Table 3.30. Total Natural Gas Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Natural Gas			Natural Gas Consumption		Natural Gas Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion cubic feet)	Total (million dollars)	
	RSE Column Factor:	0.9	0.9	0.8	1.3	1.3	
Heating Equipment (more than one may apply)							
Heat Pumps	135	4,657	34.5	213	207	1,006	15.87
Furnaces	1,257	14,330	11.4	724	703	3,209	9.43
Individual Space Heaters	881	16,221	18.4	708	688	3,293	9.01
District Heat	35	2,679	76.5	135	131	474	20.18
Boilers	443	17,022	38.4	936	910	4,030	7.45
Packaged Heating Units	604	12,905	21.4	583	566	2,815	9.00
Other	23	678	29.2	Q	Q	Q	31.77
Water-Heating Equipment (more than one may apply)							
Centralized System	1,323	22,503	17.0	1,309	1,272	5,716	7.92
Distributed System	1,039	22,013	21.2	890	865	4,225	7.85
Annual Consumption (hundred cubic feet)							
1,000 or Less	834	5,311	6.4	44	43	328	8.78
1,001 to 5,000	1,117	11,453	10.2	276	268	1,572	5.53
5,001 to 10,000	329	5,663	17.2	235	229	1,232	6.82
10,001 to 25,000	231	8,046	34.8	370	360	1,817	8.51
25,001 to 50,000	84	5,522	65.6	287	279	1,448	11.53
50,001 to 100,000	33	3,311	100.7	231	224	1,018	12.74
Over 100,000	28	5,687	202.7	731	710	2,486	16.73
Gas Transported for the Account of Others							
Used in Building	58	3,281	56.4	353	343	1,318	25.20
Not Used in Building	2,599	41,713	16.1	1,821	1,770	8,583	5.53

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 3.41. Total Fuel Oil Consumption and Expenditures, 1992

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total	Total	Total	
				(trillion Btu)	(million gallons)	(million dollars)	
RSE Column Factor:	1.0	0.8	0.8	1.2	1.2	1.2	
All Buildings	560	13,215	24	272	1,955	1,400	11.90
Building Floorspace (square feet)							
1,001 to 5,000	289	831	3	40	291	252	11.84
5,001 to 10,000	125	925	7	46	331	264	13.63
10,001 to 25,000	62	978	16	27	192	150	17.32
25,001 to 50,000	38	1,367	36	55	396	271	15.16
50,001 to 100,000	21	1,539	72	30	212	140	16.24
100,001 to 200,000	11	1,571	144	28	203	134	19.14
200,001 to 500,000	10	3,025	300	26	181	113	20.49
Over 500,000	4	2,980	833	Q	Q	76	21.03
Principal Building Activity							
Education	28	1,837	67	62	441	277	17.36
Food Sales	Q	Q	Q	Q	Q	Q	NF
Food Service	Q	Q	Q	Q	Q	Q	NF
Health Care	7	1,093	148	21	147	86	37.77
Lodging	18	827	46	16	112	79	34.98
Mercantile and Service	200	2,109	11	55	396	318	18.14
Office	87	3,603	41	47	340	245	16.13
Parking Garage	Q	Q	Q	Q	Q	Q	NF
Public Assembly	29	822	29	15	107	80	38.18
Public Order and Safety	Q	Q	Q	Q	Q	Q	NF
Religious Worship	60	532	9	12	86	72	22.35
Warehouse and Storage	63	1,012	16	24	172	139	25.64
Other	Q	Q	Q	Q	Q	Q	NF
Vacant	Q	Q	Q	Q	Q	Q	NF
Year Constructed							
1899 or Before	31	344	11	10	75	60	26.44
1900 to 1919	52	764	15	24	174	126	25.48
1920 to 1945	106	1,750	16	58	413	283	23.76
1946 to 1959	107	1,647	15	60	432	310	16.10
1960 to 1969	89	2,363	26	50	359	262	22.29
1970 to 1979	91	2,735	30	49	351	251	22.39
1980 to 1989	74	2,870	39	17	124	90	22.42
1990 to 1992	8	743	Q	Q	Q	Q	39.19
Census Region and Division							
Northeast	284	5,535	20	194	1,388	989	15.34
New England	104	2,184	21	90	643	433	24.34
Middle Atlantic	180	3,351	19	103	744	556	20.95
Midwest	80	2,543	32	26	187	132	25.48
East North Central	60	1,605	27	14	101	76	24.37
West North Central	20	938	47	Q	Q	Q	36.24
South	182	3,579	20	48	343	257	22.45
South Atlantic	130	2,308	18	40	291	213	27.51
East South Central	35	565	16	Q	Q	Q	39.19
West South Central	17	706	42	Q	Q	Q	42.98
West	14	1,557	115	Q	Q	Q	25.58
Mountain	Q	Q	Q	Q	Q	Q	NF
Pacific	11	1,210	109	Q	Q	Q	28.43
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	80	1,550	19	46	327	233	35.60
5,500-7,000 HDD	185	4,211	23	96	688	479	19.89
4,000-5,499 HDD	211	4,009	19	111	797	579	18.02
Fewer than 4,000 HDD	52	2,196	42	Q	Q	Q	38.05
More than 2,000 CDD and --							
Fewer than 4,000 HDD	31	1,248	40	Q	Q	53	42.62

See footnotes at end of table.

Table 3.41. Total Fuel Oil Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total	Total	Total	
				(trillion Btu)	(million gallons)	(million dollars)	
RSE Column Factor:	1.0	0.8	0.8	1.2	1.2	1.2	
Energy Sources (more than one may apply)							
Electricity	557	13,208	24	272	1,952	1,398	12.16
Natural Gas	130	8,426	65	108	772	507	15.43
Fuel Oil	560	13,215	24	272	1,955	1,400	11.90
District Heat	11	1,288	115	Q	Q	Q	35.28
District Chilled Water	2	588	242	Q	Q	Q	35.89
Propane	61	1,243	20	37	267	187	26.85
Any Other	Q	Q	Q	Q	Q	Q	NF
Energy End Uses (more than one may apply)							
Heated Buildings	555	12,930	23	272	1,951	1,397	11.90
Buildings with A/C	378	12,076	32	218	1,564	1,103	12.43
Buildings with Water Heating	434	12,599	29	252	1,803	1,274	12.06
Buildings with Cooking	101	7,452	74	109	778	514	15.44
Buildings with Manufacturing	20	739	36	30	211	136	35.49
Workers (main shift)							
Less than 5	305	1,795	6	56	404	335	16.39
5 to 9	94	776	8	35	253	199	20.93
10 to 19	67	884	13	23	164	131	19.88
20 to 49	43	1,094	26	53	381	263	21.69
50 to 99	21	1,494	70	32	228	158	25.19
100 or More	29	7,172	248	74	524	315	15.52
Weekly Operating Hours							
39 or Fewer	119	1,136	10	36	259	202	21.93
40 to 48	147	2,449	17	68	493	352	15.48
49 to 60	131	2,473	19	39	280	218	15.05
61 to 84	76	2,317	30	41	296	218	17.52
85 to 167	41	1,695	41	38	275	198	31.06
Open Continuously	44	3,145	71	50	351	213	23.39
Ownership and Occupancy							
Nongovernment Owned	484	9,420	19	172	1,234	936	13.62
Owner Occupied	415	7,628	18	152	1,088	824	15.22
Single Establishment	367	4,949	13	116	834	657	16.06
Multiple Establishment	48	2,679	56	36	255	167	33.01
Nonowner Occupied	63	1,600	25	19	139	105	24.15
Single Establishment	40	644	16	6	45	36	28.69
Multiple Establishment	23	957	41	13	95	70	33.74
Vacant	Q	Q	Q	Q	Q	Q	NF
Government Owned	75	3,795	51	100	721	465	17.40
Predominant Exterior Wall Material							
Masonry	374	9,618	26	225	1,614	1,128	11.71
Siding or Shingles	114	631	6	22	159	131	19.10
Metal Panels	48	699	15	15	106	85	30.98
Concrete Panels	5	1,077	211	Q	Q	Q	28.42
Window Glass	9	839	Q	6	44	33	38.54
Other	10	350	34	Q	Q	Q	44.85
Predominant Roof Material							
Built-Up	171	5,783	34	105	756	542	15.66
Shingles (Not Wood)	190	1,681	9	50	361	282	15.67
Metal Surfacing	85	675	8	20	142	112	25.99
Synthetic or Rubber	73	3,768	51	75	535	364	19.50
Other	40	1,308	33	23	161	100	30.04

See footnotes at end of table.

Table 3.41. Total Fuel Oil Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million gallons)	Total (million dollars)	
RSE Column Factor:							
Space-Heating Energy Source							
Fuel Oil	478	7,323	15	262	1,877	1,336	12.55
Fuel Oil Main	394	4,404	11	233	1,677	1,211	13.67
Fuel Oil Secondary	84	2,919	35	28	200	125	20.70
Other Excluding Fuel Oil	77	5,607	73	10	74	61	23.45
Building Not Heated	Q	Q	Q	Q	Q	Q	NF
Main Space-Heating Energy Source							
Electricity	51	2,482	49	7	51	40	24.52
Natural Gas	75	4,680	63	22	156	112	16.99
Fuel Oil	394	4,404	11	233	1,677	1,211	13.67
District Heat	11	1,104	105	Q	Q	Q	33.99
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 Main Heating							
Electricity Only	Q	Q	Q	Q	Q	Q	NF
Natural Gas Only	55	882	16	48	345	232	24.66
Fuel Oil Only	46	2,730	60	15	107	71	24.88
Propane Only	42	361	9	13	97	77	28.22
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	347	8,392	24	182	1,302	939	13.13
Building Not Heated	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	NF
Other Excluding Fuel Oil	377	11,962	32	215	1,540	1,087	12.50
A/C Not Performed	182	1,138	6	54	391	297	14.10
Water-Heating Energy Source							
Fuel Oil	125	2,469	20	138	992	683	17.12
Other Excluding Fuel Oil	309	10,131	33	113	811	591	12.99
Water Heating Not Performed	125	615	5	21	151	126	21.34
Cooking Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	NF
Other Excluding Fuel Oil	100	7,361	74	99	705	469	14.44
Cooking Not Performed	459	5,762	13	164	1,177	886	13.35
Manufacturing Energy Source							
Fuel Oil	Q	Q	Q	Q	Q	Q	NF
Other Excluding Fuel Oil	14	681	50	21	151	96	39.61
Manufacturing Not Performed	539	12,475	23	243	1,744	1,264	11.67
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	NF
1 to 50	92	1,479	16	27	191	142	31.64
51 to 99	85	2,694	32	43	309	214	17.65
100	377	8,757	23	202	1,451	1,041	13.35

See footnotes at end of table.

Table 3.41. Total Fuel Oil Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using Fuel Oil			Fuel Oil Consumption		Fuel Oil Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million gallons)	Total (million dollars)	
RSE Column Factor:	1.0	0.8	0.8	1.2	1.2	1.2	
Heating Equipment (more than one may apply)							
Heat Pumps	26	1,579	61	19	135	92	26.36
Furnaces	266	2,240	8	59	429	351	15.87
Individual Space Heaters	189	4,694	25	74	531	391	16.30
District Heat	11	1,249	112	Q	Q	Q	30.00
Boilers	220	7,844	36	204	1,462	1,018	12.59
Packaged Heating Units	29	1,974	67	18	129	86	21.08
Other	Q	Q	Q	Q	Q	Q	NF
Energy Conservation Features (more than one may apply)							
Any Conservation Features	541	13,119	24	271	1,944	1,391	11.92
Building Shell	525	13,000	25	260	1,863	1,332	12.29
HVAC	397	12,099	31	240	1,718	1,213	12.58
Lighting	190	8,608	45	121	864	610	16.46
Other	56	1,830	33	48	341	222	25.51
Energy Management Practices (more than one may apply)							
Energy Management and Control System	37	5,373	147	58	413	262	21.81
Demand-Side Management ¹ Participation	65	4,135	64	70	499	325	19.87
Energy Audit	85	4,531	53	77	550	381	19.80
Building Energy Manager	6	673	118	Q	Q	Q	43.42
Annual Consumption (gallons)							
1,000 or less	277	6,228	22	15	108	101	14.80
1,001 to 5,000	215	2,744	13	64	460	395	13.76
5,001 to 10,000	35	1,406	40	35	249	186	22.45
10,001 to 25,000	19	907	48	41	295	207	20.33
Over 25,000	12	1,929	155	118	842	511	20.47

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.

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.

Table 3.46. Total District Heat Consumption and Expenditures, 1992

Building Characteristics	All Buildings Using District Heat			District Heat Consumption		District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion pounds)	Total (million dollars)	
	1.1	1.0	0.9	1.0	1.0	1.0	
All Buildings	95	5,245	55	435	435	2,901	15.98
Building Floorspace (square feet)							
1,001 to 5,000	Q	Q	Q	Q	Q	Q	NF
5,001 to 10,000	Q	Q	Q	Q	Q	Q	NF
10,001 to 25,000	28	450	16	65	65	336	28.29
25,001 to 50,000	16	545	35	Q	Q	Q	16.68
50,001 to 100,000	9	638	68	50	50	353	24.21
100,001 to 200,000	6	780	123	59	59	451	22.37
200,001 to 500,000	5	1,532	324	109	109	755	22.14
Over 500,000	1	1,172	888	70	70	483	24.50
Principal Building Activity							
Education	21	688	33	49	49	315	29.02
Food Sales	Q	Q	Q	Q	Q	Q	NF
Food Service	Q	Q	Q	Q	Q	Q	NF
Health Care	Q	403	178	55	55	346	27.70
Lodging	9	580	64	65	65	421	37.05
Mercantile and Service	Q	Q	Q	Q	Q	Q	NF
Office	24	1,712	72	109	109	728	27.49
Parking Garage	Q	Q	Q	Q	Q	Q	NF
Public Assembly	10	348	34	23	23	164	31.63
Public Order and Safety	Q	Q	Q	Q	Q	Q	NF
Religious Worship	Q	Q	Q	Q	Q	Q	NF
Warehouse and Storage	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	NF
Vacant	Q	Q	Q	Q	Q	Q	NF
Year Constructed							
1899 or Before	Q	Q	Q	Q	Q	Q	NF
1900 to 1919	Q	Q	Q	Q	Q	Q	NF
1920 to 1945	13	1,057	83	82	82	546	28.31
1946 to 1959	22	566	25	54	54	346	30.23
1960 to 1969	22	1,419	63	121	121	750	30.22
1970 to 1979	9	976	107	55	55	363	25.93
1980 to 1989	11	681	Q	Q	Q	566	38.10
1990 to 1992	Q	Q	Q	Q	Q	Q	NF
Census Region and Division							
Northeast	23	1,559	68	123	123	973	19.49
New England	Q	413	Q	32	32	219	40.16
Middle Atlantic	17	1,146	66	91	91	754	18.49
Midwest	24	1,884	80	183	183	1,069	30.26
East North Central	10	991	97	103	103	580	32.07
West North Central	13	893	67	79	79	Q	45.70
South	27	890	33	78	78	492	34.19
South Atlantic	Q	436	Q	35	35	282	42.12
East South Central	Q	Q	Q	Q	Q	Q	NF
West South Central	Q	Q	Q	Q	Q	Q	NF
West	21	912	44	51	51	368	31.69
Mountain	Q	Q	Q	Q	Q	Q	NF
Pacific	12	548	46	27	27	181	35.46
Climate Zone: 45-Year Average							
Fewer than 2,000 CDD and --							
More than 7,000 HDD	10	513	51	49	49	229	34.80
5,500-7,000 HDD	29	1,944	67	179	179	1,150	25.76
4,000-5,499 HDD	27	1,691	63	121	121	984	26.07
Fewer than 4,000 HDD	13	595	46	37	37	270	42.01
More than 2,000 CDD and --							
Fewer than 4,000 HDD	16	503	Q	49	49	267	41.58

See footnotes at end of table.

Table 3.46. Total District Heat Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using District Heat			District Heat Consumption		District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion pounds)	Total (million dollars)	
RSE Column Factor:	1.1	1.0	0.9	1.0	1.0	1.0	
Energy Sources (more than one may apply)							
Electricity	95	5,245	55	435	435	2,901	17.90
Natural Gas	36	2,677	75	212	212	1,608	21.29
Fuel Oil	11	1,288	115	102	102	723	28.14
District Heat	95	5,245	55	435	435	2,901	15.98
District Chilled Water	23	1,585	68	122	122	789	27.36
Propane	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	NF
Energy End Uses (more than one may apply)							
Heated Buildings	94	5,230	55	435	435	2,901	15.98
Buildings with A/C	81	4,707	58	382	382	2,533	17.39
Buildings with Water Heating	81	5,098	63	421	421	2,819	16.24
Buildings with Cooking	19	2,280	123	169	169	1,260	18.76
Buildings with Manufacturing	Q	Q	Q	Q	Q	Q	NF
Workers (main shift)							
Less than 5	22	Q	Q	26	26	Q	46.01
5 to 9	14	320	23	Q	Q	Q	41.65
10 to 19	22	494	22	41	41	327	32.25
20 to 49	17	518	31	67	67	443	27.14
50 to 99	10	728	72	45	45	237	29.12
100 or More	10	2,789	267	202	202	1,484	19.33
Weekly Operating Hours							
39 or Fewer	Q	Q	Q	Q	Q	Q	NF
40 to 48	34	806	24	72	72	412	31.37
49 to 60	16	981	62	Q	Q	376	31.43
61 to 84	9	702	82	43	43	260	37.44
85 to 167	7	508	69	40	40	277	37.54
Open Continuously	19	1,888	100	210	210	1,500	22.73
Ownership and Occupancy							
Nongovernment Owned	44	2,814	64	242	242	1,556	22.16
Owner Occupied	34	2,462	72	222	222	1,360	22.72
Single Establishment	31	1,836	60	193	193	1,126	27.07
Multiple Establishment	4	625	168	29	29	234	37.21
Nonowner Occupied	Q	350	39	20	20	193	34.58
Single Establishment	Q	Q	Q	Q	Q	Q	NF
Multiple Establishment	Q	Q	Q	Q	Q	Q	NF
Vacant	Q	Q	Q	Q	Q	Q	NF
Government Owned	51	2,431	48	193	193	1,345	19.82
Predominant Exterior Wall Material							
Masonry	76	3,753	49	309	309	2,038	14.71
Siding or Shingles	Q	Q	Q	Q	Q	Q	NF
Metal Panels	Q	Q	Q	Q	Q	Q	NF
Concrete Panels	7	699	99	57	57	436	32.66
Window Glass	Q	Q	345	Q	Q	115	24.78
Other	Q	Q	Q	Q	Q	Q	NF
Predominant Roof Material							
Built-Up	40	2,412	60	200	200	1,422	17.53
Shingles (Not Wood)	10	Q	Q	40	40	199	43.55
Metal Surfacing	Q	Q	Q	Q	Q	Q	NF
Synthetic or Rubber	14	1,477	104	109	109	739	28.51
Other	19	647	Q	50	50	367	41.89

See footnotes at end of table.

Table 3.46. Total District Heat Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using District Heat			District Heat Consumption		District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion pounds)	Total (million dollars)	
	1.1	1.0	0.9	1.0	1.0	1.0	
Space-Heating Energy Source							
District Heat	91	5,130	56	404	404	2,776	15.71
District Heat Main	89	4,749	54	393	393	2,702	15.35
District Heat Secondary	4	Q	0	19	19	131	40.68
Other Excluding District Heat	Q	Q	Q	Q	Q	Q	NF
Building Not Heated	Q	Q	Q	Q	Q	Q	NF
Main Space-Heating Energy Source							
Electricity	Q	Q	Q	Q	Q	Q	NF
Natural Gas	Q	Q	Q	Q	Q	Q	NF
Fuel Oil	Q	Q	Q	Q	Q	Q	NF
District Heat	89	4,749	54	393	393	2,702	15.35
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
Cooling Energy Source							
District Heat	(*)	210	464	18	18	173	26.95
Other Excluding District Heat	81	4,497	56	364	364	2,361	18.00
A/C Not Performed	13	538	40	53	53	368	26.07
Water-Heating Energy Source							
District Heat	36	3,292	91	299	299	1,913	18.11
Other Excluding District Heat	45	1,806	40	121	121	906	25.89
Water Heating Not Performed	Q	Q	Q	Q	Q	Q	NF
Cooking Energy Source							
District Heat	6	809	131	71	71	551	25.60
Other Excluding District Heat	12	1,471	118	98	98	709	23.15
Cooking Not Performed	76	2,965	39	266	266	1,641	23.41
Manufacturing Energy Source							
District Heat	Q	Q	Q	Q	Q	Q	NF
Other Excluding District Heat	Q	Q	Q	Q	Q	Q	NF
Manufacturing Not Performed	88	4,837	55	385	385	2,629	15.57
Percent of Floorspace Heated							
Not Heated	Q	Q	Q	Q	Q	Q	NF
1 to 50	Q	Q	Q	Q	Q	Q	NF
51 to 99	9	815	Q	46	46	339	35.07
100	81	4,105	50	378	378	2,498	18.05
Heating Equipment (more than one may apply)							
Heat Pumps	8	450	55	37	37	318	39.03
Furnaces	Q	Q	Q	Q	Q	Q	NF
Individual Space Heaters	15	1,114	74	97	97	610	34.45
District Heat	93	5,145	55	407	407	2,785	15.23
Boilers	Q	Q	Q	Q	Q	Q	NF
Packaged Heating Units	Q	279	Q	26	26	224	22.92
Other	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.46. Total District Heat Consumption and Expenditures, 1992 (Continued)

Building Characteristics	All Buildings Using District Heat			District Heat Consumption		District Heat Expenditures	RSE Row Factor
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (billion pounds)	Total (million dollars)	
	1.1	1.0	0.9	1.0	1.0	1.0	
Energy Conservation Features (more than one may apply)							
Any Conservation Features	94	5,222	56	434	434	2,892	15.99
Building Shell	90	5,041	56	424	424	2,819	16.23
HVAC	86	5,067	59	415	415	2,787	16.08
Lighting	50	3,046	61	249	249	1,707	17.48
Other	10	687	Q	49	49	359	30.18
Energy Management Practices (more than one may apply)							
Energy Management and Control System	26	2,523	99	195	195	1,205	22.63
Demand-Side Management ¹ Participation	30	1,598	53	163	163	987	19.34
Energy Audit	27	1,821	67	146	146	981	19.93
Building Energy Manager	5	786	145	46	46	226	32.50

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.