

Table 3.8. Expenditures by Census Region for Sum of Major Fuels, 1992

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)								RSE Row Factor
					per Million Btu				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.2	1.3	1.2	1.5	0.6	0.6	0.9	0.6	1.1	1.0	1.2	
All Buildings	16,226	16,957	22,843	15,795	14.89	10.75	12.52	15.83	1.21	0.98	0.93	1.25	6.34
Building Floorspace (square feet)													
1,001 to 5,000	1,903	2,126	4,216	2,314	18.27	11.82	14.71	17.55	1.77	1.13	1.34	1.92	9.45
5,001 to 10,000	1,629	1,618	2,394	2,354	16.14	10.96	14.56	16.54	1.22	0.92	0.88	1.71	10.65
10,001 to 25,000	1,925	2,404	3,372	2,425	15.26	10.12	10.29	13.98	1.16	0.89	0.89	1.08	11.92
25,001 to 50,000	1,971	1,871	3,764	2,258	12.21	9.96	12.61	15.46	1.00	0.79	1.02	1.11	14.43
50,001 to 100,000	2,344	1,883	2,296	1,960	14.52	10.77	12.82	15.44	1.34	0.90	0.81	1.43	13.79
100,001 to 200,000	1,314	2,292	2,518	2,289	12.66	11.30	13.18	16.04	0.82	1.12	0.68	0.99	13.91
200,001 to 500,000	2,152	2,893	1,863	1,548	14.04	10.06	11.12	15.16	1.27	1.02	0.95	1.12	18.18
Over 500,000	2,988	1,870	2,420	646	16.75	11.72	11.51	19.92	1.30	1.17	Q	0.95	21.43
Principal Building Activity													
Education	1,860	1,933	1,910	1,687	10.86	9.93	12.20	14.76	0.95	0.81	0.73	1.13	9.93
Food Sales	Q	549	720	753	Q	15.54	16.96	17.63	Q	3.01	2.94	3.60	14.14
Food Service	992	1,058	1,220	1,011	17.18	11.37	14.15	14.37	2.23	2.45	3.00	4.87	16.26
Health Care	943	1,017	1,195	579	10.91	7.20	8.82	14.55	2.44	2.09	2.00	1.98	18.83
Lodging	1,030	758	1,837	1,835	10.08	8.63	12.39	14.73	1.67	1.31	1.76	2.81	20.64
Mercantile and Service	3,098	3,224	4,130	2,454	17.44	12.68	13.60	15.67	1.11	1.02	0.98	1.11	11.93
Office	4,222	3,917	5,670	4,293	18.84	13.12	11.77	17.69	1.67	1.40	1.37	1.51	11.30
Parking Garage	Q	Q	Q	Q	Q	13.47	18.45	14.72	Q	Q	Q	Q	17.11
Public Assembly	842	794	1,743	785	14.53	10.77	14.62	13.29	1.08	0.92	Q	1.21	13.50
Public Order and Safety	424	Q	275	Q	13.51	Q	11.75	Q	1.58	Q	1.15	Q	19.00
Religious Worship	167	331	539	262	10.56	8.42	15.71	13.52	0.37	0.29	0.40	0.33	14.02
Warehouse and Storage	1,431	1,934	2,409	976	16.13	9.02	13.77	20.00	0.81	0.62	0.49	0.59	14.87
Other	366	502	737	Q	15.10	11.70	8.45	11.62	1.84	1.67	1.93	1.41	26.67
Vacant	309	318	326	633	11.28	7.50	13.38	16.96	0.44	0.30	0.20	0.61	23.33
Year Constructed													
1899 or Before	773	393	Q	Q	15.92	9.64	Q	Q	1.14	0.55	Q	Q	22.55
1900 to 1919	1,160	742	332	282	14.64	9.85	12.73	8.64	1.10	0.60	0.42	0.54	19.08
1920 to 1945	2,224	2,264	2,093	953	12.92	9.43	11.17	14.27	0.84	0.99	0.79	0.86	16.41
1946 to 1959	2,144	2,070	3,351	2,232	14.46	9.61	11.53	15.29	1.04	0.79	0.86	1.22	13.81
1960 to 1969	3,650	3,274	4,483	3,126	15.01	10.73	11.77	15.99	1.47	1.23	0.91	1.22	12.70
1970 to 1979	2,993	3,945	5,426	4,095	15.08	11.34	12.05	15.51	1.41	0.97	1.10	1.43	10.92
1980 to 1989	2,796	3,571	6,233	4,233	16.25	11.75	14.91	17.70	1.36	1.20	0.99	1.44	13.51
1990 to 1992	486	697	796	723	17.55	14.14	14.39	17.66	1.70	1.04	0.88	1.13	18.14
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	3,321	Q	527	14.09	9.49	Q	8.91	1.14	0.81	Q	0.75	14.47
5,500-7,000 HDD	7,687	10,121	Q	1,711	13.68	11.01	Q	10.69	1.11	1.08	Q	1.01	10.48
4,000-5,499 HDD	7,581	3,515	4,610	1,292	16.50	11.40	11.63	11.72	1.35	0.93	0.93	0.74	10.56
Fewer than 4,000 HDD	Q	Q	7,905	9,495	Q	Q	12.09	18.11	Q	Q	0.96	1.35	10.34
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	10,328	2,770	Q	Q	13.33	19.20	Q	Q	0.91	1.92	15.40
Energy Sources (more than one may apply)													
Electricity	16,226	16,954	22,842	15,795	14.89	10.75	12.52	15.83	1.23	1.00	0.95	1.27	5.88
Natural Gas	10,916	14,053	14,147	12,670	14.43	10.44	10.74	14.99	1.28	1.02	1.06	1.36	7.24
Fuel Oil	7,366	3,240	4,936	2,206	13.86	9.41	11.68	15.55	1.33	1.27	1.38	1.42	11.21
District Heat	2,949	3,100	1,522	1,535	13.54	9.24	9.38	12.40	1.89	1.65	1.71	1.68	18.06
District Chilled Water	501	884	956	Q	12.89	9.13	9.74	14.19	1.66	1.66	1.45	1.96	21.62
Propane	1,320	409	1,429	403	15.65	12.37	17.38	19.69	1.27	0.71	0.94	1.55	18.77
Any Other	310	157	211	314	13.94	12.80	16.42	15.87	0.70	0.62	0.47	Q	20.67

See footnotes at end of table.

Table 3.8. Expenditures by Census Region for Sum of Major Fuels, 1992 (Continued)

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)								RSE Row Factor	
					per Million Btu				per Square Foot					
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West		
	RSE Column Factor:	1.2	1.3	1.2	1.5	0.6	0.6	0.9	0.6	1.1	1.0	1.2		1.3
Energy End Uses (more than one may apply)														
Heated Buildings	16,050	16,642	21,911	14,776	14.80	10.69	12.36	15.55	1.25	1.02	1.01	1.32	6.49	
Buildings with A/C	14,826	15,520	21,715	14,369	15.24	10.90	12.46	16.09	1.33	1.08	1.02	1.40	6.68	
Buildings with Water Heating	15,722	16,502	20,745	14,957	14.80	10.73	12.20	15.61	1.27	1.07	1.06	1.36	6.61	
Buildings with Cooking	8,667	7,377	8,883	5,889	14.73	10.79	12.56	14.62	1.51	1.27	1.14	1.57	9.49	
Buildings with Manufacturing	1,215	728	1,255	538	14.44	7.86	9.07	13.27	1.61	0.81	1.21	1.11	20.93	
Workers (main shift)														
Less than 5	2,056	2,426	4,333	2,715	16.24	10.51	15.33	17.10	0.76	0.51	0.56	0.97	9.73	
5 to 9	1,429	1,892	2,654	1,450	14.54	9.90	10.82	16.58	1.08	1.01	0.88	1.10	11.61	
10 to 19	1,817	1,683	3,135	1,973	15.34	11.41	13.70	14.10	1.33	0.90	0.96	1.25	12.64	
20 to 49	2,390	2,445	4,519	3,028	12.80	9.61	11.98	15.33	1.19	0.97	1.18	1.37	11.76	
50 to 99	2,084	2,411	2,092	1,967	13.92	12.10	10.28	14.55	1.10	1.20	0.92	1.25	14.11	
100 or More	6,450	6,101	6,110	4,662	15.73	11.00	12.53	16.71	1.58	1.43	1.35	1.49	10.93	
Weekly Operating Hours														
39 or Fewer	805	776	1,164	488	12.58	8.03	14.05	14.16	0.57	0.32	0.36	0.44	12.18	
40 to 48	2,564	2,995	5,242	2,654	15.47	10.80	12.89	16.48	1.13	0.87	0.80	0.97	10.09	
49 to 60	3,062	2,690	3,865	3,062	18.34	10.77	12.06	15.52	1.17	0.77	0.77	1.04	11.12	
61 to 84	2,909	4,102	3,628	2,893	15.35	13.08	12.78	16.55	1.13	1.28	0.96	1.17	13.08	
85 to 167	3,629	2,568	2,976	2,854	16.43	11.37	14.37	15.44	1.46	1.16	1.54	1.56	11.66	
Open Continuously	3,258	3,826	5,968	3,844	11.53	9.23	11.39	15.66	1.60	1.54	1.48	2.53	14.48	
Ownership and Occupancy														
Nongovernment Owned	12,071	13,191	18,195	12,845	15.66	11.28	12.82	16.39	1.21	1.00	0.93	1.26	7.08	
Owner Occupied	9,490	10,957	13,557	9,709	14.93	11.08	12.45	16.22	1.30	1.05	1.00	1.35	7.46	
Single Establishment	7,279	8,506	11,582	7,514	14.36	10.58	12.08	15.62	1.38	1.06	1.01	1.43	8.83	
Multiple Establishment	2,211	2,450	1,975	2,196	17.17	13.21	15.13	18.71	1.08	1.01	0.97	1.16	12.94	
Nonowner Occupied	2,533	2,163	4,493	2,900	19.14	12.49	14.13	16.95	1.08	0.98	0.87	1.14	14.84	
Single Establishment	979	778	2,570	1,296	16.94	10.36	12.64	18.20	0.96	0.88	Q	1.21	18.89	
Multiple Establishment	1,554	1,384	1,923	1,604	20.86	14.13	16.77	16.05	1.17	1.04	0.74	1.09	16.45	
Vacant	Q	72	145	Q	Q	10.51	Q	Q	Q	0.14	0.18	Q	34.60	
Government Owned	4,155	3,766	4,648	2,950	13.03	9.22	11.46	13.78	1.21	0.91	0.91	1.20	10.91	
Predominant Exterior Wall Material														
Masonry	11,789	12,294	16,661	10,652	14.11	10.54	12.61	15.38	1.18	0.95	0.97	1.25	7.23	
Siding or Shingles	1,040	790	925	1,250	17.29	10.80	15.12	18.52	1.03	0.78	0.88	1.57	14.55	
Metal Panels	918	1,411	2,654	879	16.85	11.31	9.88	15.41	0.99	0.80	0.68	1.11	15.81	
Concrete Panels	1,630	900	1,325	1,986	17.48	9.92	14.23	15.21	Q	1.21	0.91	1.13	16.42	
Window Glass	655	Q	966	591	18.82	15.32	16.32	22.03	1.76	2.16	1.36	1.40	19.01	
Other	193	427	Q	Q	17.10	8.83	Q	Q	1.83	1.38	Q	Q	20.87	
Predominant Roof Material														
Built-Up	6,283	6,818	12,196	9,389	15.07	10.82	12.56	16.32	1.29	1.07	1.05	1.28	8.56	
Shingles (Not Wood)	2,366	2,704	2,914	1,828	15.33	11.50	13.19	14.81	0.97	0.84	0.92	1.04	13.11	
Metal Surfacing	699	1,614	3,116	999	18.82	10.45	10.67	15.09	0.82	0.78	0.61	1.00	13.68	
Synthetic or Rubber	5,597	4,740	2,814	1,493	14.77	10.13	13.16	14.27	1.49	1.10	1.08	1.47	10.44	
Other	1,280	1,081	1,803	2,087	12.54	12.02	14.16	16.25	0.87	0.82	0.88	1.38	16.64	
Percent Window Glass														
25 or Less	9,804	11,915	17,629	10,561	14.69	10.56	12.16	16.05	1.09	0.91	0.87	1.16	7.26	
26 to 50	4,655	2,854	3,410	3,807	14.56	10.01	13.95	14.39	1.34	1.00	1.19	1.46	10.79	
51 to 75	1,380	1,061	1,104	1,035	18.20	11.56	12.40	18.72	1.97	1.14	1.17	1.64	14.49	
76 to 100	388	Q	700	392	14.51	15.61	16.82	19.51	1.67	2.40	1.31	1.49	17.08	

See footnotes at end of table.

Table 3.8. Expenditures by Census Region for Sum of Major Fuels, 1992 (Continued)

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)								RSE Row Factor
					per Million Btu				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.2	1.3	1.2	1.5	0.6	0.6	0.9	0.6	1.1	1.0	1.2	1.3	
RSE Column Factor:													
Building Shape													
Square	876	878	1,025	1,063	16.39	9.23	13.57	18.95	1.37	1.01	0.87	1.09	15.58
Rectangle	7,539	9,757	14,169	9,740	15.63	11.18	12.64	15.94	1.14	0.96	0.95	1.31	7.94
Right Angle	1,711	1,260	1,334	1,178	16.35	10.74	13.44	15.13	1.12	0.87	0.67	1.07	12.30
Other	6,100	5,062	6,316	3,813	13.58	10.28	11.93	15.09	1.33	1.07	0.98	1.23	11.57
Space-Heating Energy Sources (more than one may apply)													
Electricity	5,970	4,704	11,714	7,101	17.27	11.65	15.20	17.09	1.33	1.01	1.05	1.35	9.74
Natural Gas	8,173	12,072	11,530	9,310	14.57	10.47	10.45	14.63	1.19	0.98	1.00	1.20	7.70
Fuel Oil	5,036	1,300	2,090	Q	12.51	7.51	10.57	Q	1.19	1.06	1.29	Q	13.71
District Heat	2,943	2,955	1,427	1,496	13.56	9.64	9.45	12.59	1.89	1.59	1.68	1.72	16.53
Propane	528	203	478	Q	23.06	16.92	22.33	Q	1.61	0.57	0.60	Q	19.55
Wood	Q	47	71	Q	Q	15.49	17.96	Q	Q	0.33	0.42	Q	25.78
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Sources (more than one may apply)													
Electricity	14,131	14,480	21,043	13,424	15.18	11.12	12.59	16.42	1.32	1.07	1.02	1.38	6.83
Natural Gas	611	690	Q	938	16.52	7.47	7.70	15.59	1.91	1.35	Q	1.44	23.26
District Chilled Water	501	884	956	Q	12.89	9.13	9.74	14.19	1.66	1.66	1.45	1.96	21.62
Water-Heating Energy Sources (more than one may apply)													
Electricity	5,129	5,219	11,131	5,028	18.28	12.62	13.76	17.00	1.17	0.93	0.98	1.21	9.94
Natural Gas	6,933	9,773	9,453	9,802	13.47	10.02	11.08	14.77	1.24	1.07	1.12	1.46	8.24
Fuel Oil	2,446	Q	183	Q	12.14	Q	8.54	Q	1.13	Q	1.08	Q	16.37
District Heat	2,085	2,302	812	795	14.12	9.83	8.48	12.23	2.11	1.81	1.81	1.37	20.27
Propane	Q	Q	226	Q	Q	Q	26.99	Q	Q	Q	1.14	Q	19.54
Cooking Energy Sources (more than one may apply)													
Electricity	4,680	3,962	4,772	3,015	15.86	11.41	13.25	15.25	1.58	1.40	1.11	1.43	12.99
Natural Gas	5,812	5,422	5,048	4,368	14.24	10.32	11.29	13.82	1.49	1.24	1.18	1.66	10.83
Propane	598	Q	570	Q	15.94	Q	20.08	Q	1.17	Q	1.51	Q	19.54
Percent of Floorspace Heated													
Not Heated	176	Q	Q	1,020	33.47	15.20	17.85	21.42	0.32	Q	0.32	0.71	27.34
1 to 50	2,003	1,131	2,156	1,824	17.28	12.91	13.36	17.90	0.78	0.52	0.48	0.80	15.62
51 to 99	3,189	2,080	3,180	3,716	16.08	11.75	11.60	15.79	1.51	0.92	1.02	1.36	12.82
100	10,859	13,430	16,574	9,235	14.10	10.39	12.40	15.06	1.33	1.13	1.18	1.50	7.25
Percent of Floorspace Cooled													
Not Cooled	1,400	1,437	1,128	1,426	11.99	9.33	13.79	13.58	0.62	0.50	0.33	0.61	13.95
1 to 50	5,207	4,358	3,943	2,141	12.61	9.30	12.25	14.77	0.92	0.69	0.61	0.65	9.83
51 to 99	5,197	5,619	4,669	3,969	16.95	11.40	12.03	16.26	1.70	1.47	1.14	1.37	11.19
100	4,421	5,543	13,103	8,260	17.47	11.98	12.68	16.39	1.79	1.31	1.23	2.01	9.74
Heating Equipment (more than one may apply)													
Heat Pumps	1,877	1,227	4,484	2,766	14.71	11.16	14.17	18.48	1.41	0.93	1.23	1.39	13.88
Furnaces	3,870	4,982	4,498	2,603	16.45	10.82	9.96	15.13	1.18	0.89	0.90	0.84	10.28
Individual Space Heaters	5,931	5,546	7,250	3,664	15.05	10.91	12.58	15.01	1.21	0.90	0.95	1.01	10.20
District Heat	2,943	3,010	1,554	1,500	13.55	9.65	8.63	12.50	1.90	1.61	1.68	1.71	16.76
Boilers	6,759	6,366	5,828	3,788	12.93	9.72	10.92	14.20	1.09	0.98	1.08	1.46	9.25
Packaged Heating Units	4,287	3,873	6,755	5,109	16.95	11.92	14.33	16.61	1.48	1.28	1.05	1.40	10.46
Other	389	505	Q	Q	16.30	14.17	Q	Q	2.16	2.47	Q	Q	22.80

See footnotes at end of table.

Table 3.8. Expenditures by Census Region for Sum of Major Fuels, 1992 (Continued)

Building Characteristics	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)								RSE Row Factor
					per Million Btu				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.2	1.3	1.2	1.5	0.6	0.6	0.9	0.6	1.1	1.0	1.2	
Heating Distribution Equipment (more than one may apply)													
Radiators or Baseboards	6,881	4,891	1,597	1,423	12.90	8.68	9.41	12.73	1.23	0.95	1.05	1.43	12.58
Ducts for Heating	10,464	12,971	17,851	12,134	15.67	11.04	12.20	15.82	1.39	1.11	1.04	1.33	7.47
VAV System Used	3,884	4,644	4,198	3,628	14.62	10.91	11.63	16.08	1.65	1.38	1.28	1.44	14.37
Individual Space Heaters	5,931	5,546	7,250	3,664	15.05	10.91	12.58	15.01	1.21	0.90	0.95	1.01	10.20
Fan Coil Units or Other	3,042	3,161	2,919	2,010	12.31	9.28	9.70	13.87	1.50	1.11	1.38	1.38	13.05
Cooling Equipment (more than one may apply)													
Residential-Type Central A/C	2,134	2,510	3,835	1,313	13.00	10.36	9.55	14.61	1.42	0.85	1.11	1.20	13.23
Heat Pumps	1,866	1,401	4,537	2,926	15.50	9.54	13.99	18.17	1.45	0.99	1.21	1.49	13.22
Individual A/C	6,960	4,041	5,000	1,702	13.90	9.15	12.48	15.38	1.20	0.86	0.88	0.96	11.28
District Chilled Water	501	936	956	Q	12.89	8.22	9.74	14.19	1.66	1.37	1.45	1.96	22.59
Central Chillers	4,047	4,654	6,101	3,778	14.33	10.93	11.56	15.39	1.61	1.47	1.26	1.54	12.78
Packaged A/C Units	8,375	7,873	10,748	7,935	15.44	11.45	13.25	16.80	1.42	1.20	1.07	1.49	7.90
Swamp Coolers	Q	Q	491	1,945	Q	Q	7.55	14.86	Q	Q	1.46	1.26	21.09
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Cooling Distribution Equipment (more than one may apply)													
Ducts for Cooling	11,565	13,504	19,492	13,246	15.67	11.17	12.45	16.07	1.41	1.15	1.04	1.47	7.15
VAV System Used	4,076	5,277	4,721	4,293	14.62	11.52	11.95	16.54	1.78	1.39	1.28	1.63	12.85
Individual A/C	6,960	4,041	5,000	1,702	13.90	9.15	12.48	15.38	1.20	0.86	0.88	0.96	11.28
Fan Coil Units or Other	2,090	2,129	2,633	1,984	12.24	8.40	9.88	15.70	1.38	1.29	1.44	1.23	14.87
Water-Heating Equipment (more than one may apply)													
Centralized System	10,464	9,765	10,947	7,969	14.55	10.16	11.29	14.88	1.33	1.08	1.18	1.46	8.45
Distributed System	5,635	7,302	11,346	7,450	15.43	11.37	13.46	16.36	1.18	1.04	0.96	1.27	9.75
Energy Conservation Features (more than one may apply)													
Any Conservation Features	16,079	16,639	22,345	15,657	14.83	10.82	12.44	15.77	1.25	1.00	0.99	1.28	6.39
Building Shell	15,737	16,249	21,654	15,187	14.77	10.77	12.41	15.74	1.25	1.01	1.00	1.30	6.45
HVAC	14,491	14,419	18,343	13,668	14.64	10.85	12.15	15.70	1.34	1.10	1.09	1.44	6.86
Lighting	9,366	8,840	10,106	9,303	14.84	11.30	12.56	16.01	1.39	1.13	1.22	1.40	8.99
Other	2,248	1,941	1,704	1,028	12.78	11.67	13.31	12.53	1.38	1.23	0.97	1.03	13.69
Energy Management Practices (more than one may apply)													
Energy Management and Control System	3,884	6,077	5,347	4,521	14.46	11.10	11.53	15.53	1.57	1.39	1.19	1.52	12.10
Demand-Side Management ¹													
Participation	5,238	3,624	3,796	2,836	13.88	9.72	9.76	15.12	1.52	1.11	1.46	1.42	11.60
Energy Audit	5,833	4,694	4,636	4,156	14.65	10.64	12.08	16.24	1.41	1.19	1.22	1.44	10.97
Building Energy Manager	622	602	1,221	712	11.23	8.58	9.66	15.92	1.83	0.93	1.26	1.98	21.63

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. • 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 3.17. Electricity Expenditures by Census Region, 1992

Building Characteristics	Total Electricity Expenditures (million dollars)				Electricity Expenditures (dollars)								RSE Row Factor
					per kWh				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.6	1.7	1.5	1.9	0.6	0.6	0.4	0.5	1.3	1.2	1.1	
All Buildings	12,250	12,745	19,097	13,527	0.10	0.07	0.07	0.08	0.93	0.75	0.80	1.09	5.00
Building Floorspace (square feet)													
1,001 to 5,000	1,491	1,578	3,510	1,958	0.12	0.08	0.08	0.09	1.44	0.89	1.17	1.69	7.78
5,001 to 10,000	1,164	1,154	2,020	1,998	0.13	0.08	0.07	0.09	0.87	0.66	0.77	1.47	8.89
10,001 to 25,000	1,416	1,702	2,675	1,964	0.11	0.07	0.07	0.08	0.86	0.66	0.73	0.89	8.18
25,001 to 50,000	1,372	1,320	2,995	1,933	0.10	0.08	0.07	0.08	0.72	0.57	0.83	0.97	10.04
50,001 to 100,000	1,755	1,405	1,946	1,699	0.10	0.07	0.06	0.08	1.01	0.68	0.71	1.25	10.33
100,001 to 200,000	945	1,797	2,245	1,948	0.09	0.07	0.06	0.08	0.59	0.88	0.61	0.84	12.02
200,001 to 500,000	1,612	2,209	1,616	1,409	0.09	0.06	0.05	0.07	0.97	0.80	0.84	1.05	14.33
Over 500,000	2,495	1,579	2,090	618	0.09	0.07	0.05	0.08	1.08	0.99	0.78	0.91	14.68
Principal Building Activity													
Education	1,185	1,447	1,501	1,393	0.10	0.08	0.07	0.09	0.60	0.61	0.57	0.93	8.76
Food Sales	Q	510	682	713	Q	0.06	0.06	0.07	Q	2.80	2.78	3.42	14.13
Food Service	760	775	1,031	794	0.11	0.08	0.07	0.08	1.71	1.80	2.53	3.82	12.36
Health Care	623	649	887	480	0.08	0.06	0.05	0.08	1.61	1.33	1.49	1.64	12.36
Lodging	604	461	1,456	1,510	0.10	0.06	0.06	0.08	0.98	0.80	1.40	2.31	15.21
Mercantile and Service	2,472	2,535	3,502	2,074	0.11	0.08	0.07	0.09	0.88	0.80	0.83	0.94	8.84
Office	3,522	3,277	4,823	3,888	0.10	0.07	0.06	0.08	1.40	1.17	1.16	1.37	8.13
Parking Garage	Q	Q	131	116	Q	Q	0.06	0.07	Q	Q	Q	Q	24.00
Public Assembly	621	570	1,615	624	0.10	0.07	0.06	0.08	0.80	0.66	0.71	0.96	11.54
Public Order and Safety	253	Q	199	Q	0.10	Q	0.06	Q	0.94	Q	0.84	Q	22.36
Religious Worship	83	178	429	199	0.12	0.09	0.09	0.10	0.18	0.16	0.31	0.25	13.07
Warehouse and Storage	1,135	1,306	2,049	896	0.10	0.06	0.07	0.09	0.65	0.44	0.42	0.57	14.40
Other	274	413	536	256	0.10	0.06	0.06	0.07	1.38	1.37	1.41	1.05	19.29
Vacant	214	159	254	545	0.11	0.07	0.07	0.09	0.37	0.20	0.23	0.60	18.77
Year Constructed													
1899 or Before	545	279	Q	Q	0.11	0.08	Q	Q	0.81	0.39	Q	Q	19.72
1900 to 1919	822	478	240	172	0.11	0.07	0.07	0.07	0.80	0.42	0.32	0.36	19.86
1920 to 1945	1,459	1,451	1,583	770	0.11	0.08	0.07	0.08	0.57	0.66	0.63	0.70	12.01
1946 to 1959	1,617	1,386	2,571	1,903	0.10	0.07	0.07	0.08	0.79	0.53	0.69	1.08	11.74
1960 to 1969	2,813	2,576	3,581	2,647	0.10	0.07	0.07	0.08	1.14	0.98	0.74	1.04	9.95
1970 to 1979	2,315	3,157	4,717	3,470	0.09	0.07	0.06	0.08	1.09	0.79	0.98	1.22	8.79
1980 to 1989	2,273	2,825	5,629	3,784	0.10	0.07	0.06	0.08	1.12	0.95	0.90	1.31	8.90
1990 to 1992	408	592	695	659	0.10	0.07	0.06	0.08	1.42	0.89	0.77	1.05	15.75
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	2,421	Q	379	0.10	0.06	Q	0.06	0.89	0.61	Q	0.55	11.40
5,500-7,000 HDD	5,579	7,693	Q	1,353	0.10	0.08	Q	0.06	0.82	0.83	Q	0.80	8.48
4,000-5,499 HDD	5,919	2,630	3,648	1,082	0.10	0.07	0.06	0.06	1.06	0.71	0.74	0.62	8.11
Fewer than 4,000 HDD	Q	Q	6,481	8,207	Q	Q	0.06	0.09	Q	Q	0.81	1.19	8.73
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	8,968	2,507	Q	Q	0.07	0.09	Q	Q	0.81	1.77	11.16
Energy Sources (more than one may apply)													
Electricity	12,250	12,745	19,097	13,527	0.10	0.07	0.07	0.08	0.93	0.75	0.80	1.09	5.00
Natural Gas	8,031	10,307	10,867	10,563	0.10	0.07	0.06	0.08	0.94	0.75	0.81	1.14	5.92
Fuel Oil	5,465	2,426	4,109	2,002	0.10	0.06	0.06	0.07	0.99	0.96	1.15	1.29	9.90
District Heat	1,856	1,883	940	1,067	0.10	0.06	0.06	0.07	1.19	1.00	1.06	1.17	16.75
District Chilled Water	313	593	650	Q	0.08	0.05	0.06	0.08	1.04	1.11	0.99	1.46	14.49
Propane	1,089	310	1,314	372	0.09	0.06	0.07	0.09	1.05	0.54	0.87	1.43	14.91
Any Other	242	126	194	270	0.09	0.07	0.07	0.08	0.55	0.51	0.44	Q	21.90

See footnotes at end of table.

Table 3.17. Electricity Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Electricity Expenditures (million dollars)				Electricity Expenditures (dollars)								RSE Row Factor
					per kWh				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.6	1.7	1.5	1.9	0.6	0.6	0.4	0.5	1.3	1.2	1.1	
Energy End Uses (more than one may apply)													
Heated Buildings	12,075	12,435	18,188	12,568	0.10	0.07	0.07	0.08	0.94	0.76	0.84	1.12	5.02
Buildings with A/C	11,416	11,864	18,136	12,409	0.10	0.07	0.07	0.08	1.02	0.82	0.86	1.21	5.12
Buildings with Water Heating	11,844	12,403	17,222	12,783	0.10	0.07	0.06	0.08	0.95	0.80	0.88	1.16	5.06
Buildings with Cooking	6,669	5,741	7,590	4,939	0.10	0.07	0.06	0.08	1.16	0.99	0.98	1.31	7.33
Buildings with Manufacturing	893	447	879	431	0.11	0.06	0.07	0.07	1.18	0.50	0.85	0.89	15.78
Workers (main shift)													
Less than 5	1,508	1,688	3,737	2,303	0.11	0.08	0.07	0.09	0.59	0.38	0.53	0.88	8.02
5 to 9	1,027	1,326	2,159	1,241	0.12	0.08	0.08	0.09	0.77	0.71	0.72	0.94	7.78
10 to 19	1,288	1,240	2,644	1,564	0.11	0.07	0.07	0.09	0.94	0.67	0.81	0.99	9.94
20 to 49	1,660	1,612	3,518	2,583	0.11	0.07	0.07	0.08	0.82	0.64	0.92	1.17	8.84
50 to 99	1,551	2,033	1,677	1,692	0.10	0.06	0.06	0.07	0.82	1.02	0.73	1.07	11.42
100 or More	5,216	4,846	5,361	4,144	0.09	0.07	0.06	0.08	1.28	1.13	1.19	1.32	8.34
Weekly Operating Hours													
39 or Fewer	534	425	884	380	0.11	0.09	0.09	0.10	0.43	0.20	0.32	0.40	10.96
40 to 48	1,949	2,220	4,374	2,279	0.10	0.07	0.07	0.08	0.86	0.64	0.67	0.84	9.05
49 to 60	2,459	2,012	3,167	2,558	0.10	0.08	0.07	0.09	0.94	0.58	0.63	0.87	8.87
61 to 84	2,176	3,415	3,276	2,522	0.11	0.08	0.07	0.08	0.84	1.07	0.87	1.02	9.76
85 to 167	2,958	2,039	2,613	2,420	0.10	0.07	0.06	0.08	1.19	0.92	1.36	1.33	9.66
Open Continuously	2,173	2,633	4,783	3,367	0.09	0.06	0.06	0.07	1.07	1.07	1.20	2.23	9.80
Ownership and Occupancy													
Nongovernment Owned	9,290	10,162	15,423	11,127	0.10	0.07	0.07	0.08	0.95	0.79	0.81	1.11	5.63
Owner Occupied	7,198	8,389	11,442	8,409	0.10	0.07	0.07	0.08	0.99	0.81	0.85	1.18	6.34
Single Establishment	5,430	6,378	9,641	6,412	0.10	0.07	0.07	0.08	1.04	0.81	0.85	1.23	7.57
Multiple Establishment	1,767	2,011	1,802	1,996	0.11	0.08	0.07	0.09	0.86	0.83	0.88	1.05	10.46
Nonowner Occupied	2,053	1,724	3,879	2,516	0.11	0.08	0.06	0.09	0.88	0.79	0.76	1.00	10.29
Single Establishment	778	550	2,133	1,166	0.10	0.07	0.06	0.08	0.76	0.64	0.83	1.10	13.94
Multiple Establishment	1,275	1,174	1,746	1,350	0.12	0.08	0.07	0.09	0.97	0.90	0.68	0.93	12.52
Vacant	Q	48	101	Q	Q	0.09	0.08	Q	Q	0.16	0.24	Q	21.99
Government Owned	2,960	2,583	3,674	2,400	0.09	0.07	0.06	0.08	0.86	0.63	0.74	0.99	8.71
Predominant Exterior Wall Material													
Masonry	8,650	9,089	13,718	9,039	0.10	0.07	0.07	0.08	0.87	0.72	0.82	1.08	5.61
Siding or Shingles	806	549	778	1,127	0.11	0.07	0.08	0.08	0.87	0.58	0.78	1.46	10.79
Metal Panels	735	1,061	2,230	760	0.09	0.07	0.06	0.08	0.83	0.63	0.59	1.01	13.44
Concrete Panels	1,354	721	1,150	1,643	0.10	0.06	0.06	0.08	1.35	0.98	0.80	0.95	15.31
Window Glass	572	Q	928	562	0.09	0.08	0.06	0.09	1.54	1.93	1.34	1.33	15.06
Other	134	320	Q	Q	0.09	0.06	Q	Q	1.27	1.03	Q	Q	15.40
Predominant Roof Material													
Built-Up	4,643	5,134	10,213	8,123	0.10	0.07	0.06	0.08	0.96	0.82	0.90	1.12	6.71
Shingles (Not Wood)	1,740	2,073	2,342	1,494	0.11	0.08	0.07	0.08	0.74	0.66	0.76	0.87	10.09
Metal Surfacing	557	1,204	2,581	851	0.12	0.07	0.07	0.07	0.68	0.61	0.52	0.91	11.37
Synthetic or Rubber	4,455	3,462	2,410	1,307	0.09	0.07	0.06	0.07	1.19	0.82	0.92	1.31	8.18
Other	854	872	1,551	1,752	0.09	0.07	0.07	0.09	0.58	0.68	0.78	1.17	13.25
Space-Heating Energy Source													
Electricity	5,122	3,791	10,596	6,347	0.09	0.07	0.06	0.08	1.14	0.81	0.95	1.20	7.44
Electricity Main	2,164	1,863	8,496	4,259	0.09	0.07	0.06	0.08	1.22	0.86	1.00	1.40	10.40
Electricity Secondary	2,958	1,927	2,101	2,088	0.09	0.07	0.06	0.08	1.08	0.77	0.79	0.93	10.80
Other Excluding Electricity	6,953	8,644	7,591	6,221	0.11	0.07	0.07	0.08	0.83	0.74	0.73	1.05	5.99
Building Not Heated	176	Q	909	959	0.11	Q	0.06	0.09	0.47	Q	0.39	0.77	20.27

See footnotes at end of table.

Table 3.17. Electricity Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Electricity Expenditures (million dollars)				Electricity Expenditures (dollars)								RSE Row Factor
					per kWh				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.6	1.7	1.5	1.9	0.6	0.6	0.4	0.5	1.3	1.2	1.1	1.4	
Main Space-Heating Energy Source													
Electricity	2,164	1,863	8,496	4,259	0.09	0.07	0.06	0.08	1.22	0.86	1.00	1.40	10.40
Natural Gas	5,419	8,363	7,919	7,164	0.10	0.07	0.07	0.08	0.90	0.73	0.74	1.03	6.48
Fuel Oil	2,463	Q	462	Q	0.11	0.07	0.08	Q	0.77	0.40	0.64	Q	13.57
District Heat	1,707	1,796	821	997	0.10	0.06	0.06	0.07	1.16	1.07	1.01	1.26	14.22
Propane	235	165	293	Q	0.10	0.07	0.09	Q	1.49	0.58	0.51	Q	21.98
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Main Heating													
Electricity Only	175	574	691	385	0.11	0.08	0.07	0.09	0.64	0.71	0.67	0.85	13.12
Natural Gas Only	507	341	602	404	0.09	0.06	0.08	0.08	0.76	0.62	1.01	Q	17.53
Fuel Oil Only	1,494	1,515	1,534	519	0.10	0.06	0.06	0.07	0.97	0.71	1.11	1.28	14.54
Propane Only	339	422	312	514	0.09	0.07	0.06	0.08	0.96	0.55	0.58	1.03	16.70
Any Other Single Energy Source ...	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	125	146	Q	Q	0.06	0.07	Q	Q	0.51	0.68	Q	24.18
No Replacement Energy Source	9,097	9,391	14,841	10,525	0.10	0.07	0.06	0.08	0.95	0.80	0.84	1.15	5.86
Building Not Heated	176	Q	909	959	0.11	Q	0.06	0.09	0.47	Q	0.39	0.77	20.27
Cooling Energy Source													
Electricity	10,932	11,154	17,653	11,734	0.10	0.07	0.07	0.08	1.02	0.82	0.86	1.20	5.20
Other Excluding Electricity	484	710	483	675	0.10	0.05	0.06	0.08	1.13	0.85	0.81	1.23	17.05
A/C Not Performed	834	881	961	1,118	0.11	0.07	0.06	0.09	0.40	0.35	0.35	0.53	14.06
Water-Heating Energy Source													
Electricity	4,389	4,316	10,040	4,558	0.10	0.07	0.06	0.08	1.01	0.76	0.89	1.09	7.80
Other Excluding Electricity	7,455	8,088	7,182	8,224	0.10	0.07	0.06	0.08	0.93	0.82	0.87	1.20	6.24
Water Heating Not Performed	407	341	1,875	744	0.12	0.09	0.07	0.10	0.49	0.24	0.43	0.53	12.84
Cooking Energy Source													
Electricity	3,812	3,206	4,218	2,616	0.09	0.07	0.06	0.07	1.29	1.13	0.98	1.25	9.59
Other Excluding Electricity	2,856	2,535	3,372	2,322	0.10	0.07	0.06	0.08	1.03	0.85	0.97	1.40	10.10
Cooking Not Performed	5,581	7,003	11,507	8,588	0.11	0.07	0.07	0.08	0.74	0.63	0.71	0.99	5.90
Percent of Floorspace Heated													
Not Heated	176	Q	909	959	0.11	Q	0.06	0.09	0.47	Q	0.39	0.77	20.27
1 to 50	1,679	924	1,817	1,618	0.10	0.07	0.07	0.09	0.65	0.42	0.41	0.71	13.11
51 to 99	2,545	1,602	2,764	3,124	0.10	0.07	0.07	0.08	1.20	0.71	0.89	1.14	9.70
100	7,851	9,909	13,606	7,826	0.10	0.07	0.06	0.08	0.96	0.83	0.97	1.27	5.83
Percent of Floorspace Cooled													
Not Cooled	834	881	961	1,118	0.11	0.07	0.06	0.09	0.40	0.35	0.35	0.53	14.06
1 to 50	3,530	2,896	3,084	1,786	0.10	0.07	0.07	0.08	0.63	0.46	0.48	0.55	7.86
51 to 99	4,275	4,473	4,072	3,482	0.10	0.07	0.06	0.08	1.40	1.17	0.99	1.20	7.25
100	3,610	4,495	10,980	7,141	0.10	0.07	0.06	0.08	1.46	1.06	1.03	1.73	6.96
Percent Lit when Open													
Not Lit	Q	72	155	Q	Q	0.08	0.08	0.09	Q	0.11	0.26	0.38	20.65
1 to 50	782	848	1,473	873	0.12	0.08	0.07	0.09	0.44	0.31	0.39	0.52	10.40
51 to 99	3,007	3,183	3,546	2,698	0.11	0.07	0.06	0.08	0.97	0.81	0.77	1.04	7.92
100	8,411	8,642	13,923	9,804	0.10	0.07	0.07	0.08	1.04	0.90	0.93	1.27	5.87
Percent Lit when Closed													
Not Lit	4,567	5,421	9,415	7,300	0.10	0.06	0.06	0.08	0.80	0.69	0.75	1.06	6.67
1 to 50	7,270	7,077	8,892	5,699	0.10	0.08	0.07	0.08	1.00	0.83	0.84	1.12	6.27
51 to 99	Q	153	314	468	Q	0.07	0.06	0.08	Q	0.75	0.96	1.53	17.65
100	Q	93	475	Q	Q	0.07	0.07	Q	Q	0.44	0.96	Q	20.90

See footnotes at end of table.

Table 3.17. Electricity Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Electricity Expenditures (million dollars)				Electricity Expenditures (dollars)								RSE Row Factor
					per kWh				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.6	1.7	1.5	1.9	0.6	0.6	0.4	0.5	1.3	1.2	1.1	
Heating Equipment (more than one may apply)													
Heat Pumps	1,497	966	3,944	2,532	0.08	0.06	0.06	0.08	1.13	0.73	1.09	1.28	11.31
Furnaces	3,088	3,652	3,364	2,227	0.11	0.07	0.07	0.08	0.94	0.65	0.68	0.72	7.61
Individual Space Heaters	4,725	4,256	5,940	3,176	0.09	0.07	0.06	0.08	0.96	0.69	0.78	0.87	7.69
District Heat	1,855	1,864	957	1,048	0.10	0.06	0.06	0.07	1.19	1.00	1.03	1.20	13.23
Boilers	4,862	4,790	4,723	3,238	0.10	0.07	0.06	0.08	0.79	0.74	0.87	1.25	7.36
Packaged Heating Units	3,526	3,180	5,844	4,351	0.10	0.07	0.07	0.09	1.22	1.05	0.91	1.20	8.48
Other	312	Q	Q	Q	0.09	Q	Q	Q	1.73	Q	Q	Q	19.15
Cooling Equipment (more than one may apply)													
Residential-Type Central A/C	1,534	1,804	2,875	1,110	0.11	0.07	0.07	0.08	1.02	0.61	0.83	1.02	9.61
Heat Pumps	1,496	1,037	3,949	2,658	0.09	0.07	0.06	0.08	1.16	0.73	1.05	1.36	10.18
Individual A/C	5,078	2,658	4,042	1,427	0.10	0.07	0.06	0.08	0.87	0.56	0.71	0.81	9.06
District Chilled Water	313	596	650	Q	0.08	0.05	0.06	0.08	1.04	0.87	0.99	1.46	15.85
Central Chillers	3,112	3,781	5,116	3,282	0.09	0.07	0.06	0.07	1.24	1.20	1.05	1.34	8.89
Packaged A/C Units	6,518	6,262	9,035	6,933	0.10	0.07	0.07	0.08	1.11	0.95	0.90	1.30	6.22
Swamp Coolers	Q	Q	306	1,637	Q	Q	0.07	0.08	Q	Q	0.91	1.06	12.15
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Lighting Equipment (more than one may apply)													
Incandescent	8,493	8,015	10,847	8,730	0.10	0.07	0.06	0.08	0.95	0.75	0.89	1.19	5.76
Standard Fluorescent	11,953	12,253	18,077	12,991	0.10	0.07	0.07	0.08	0.94	0.77	0.83	1.11	4.99
Compact Fluorescent	3,661	1,755	2,087	2,493	0.09	0.06	0.06	0.08	1.22	0.95	1.30	1.32	9.92
High-Intensity Discharge	4,306	4,405	4,007	2,638	0.09	0.06	0.06	0.08	0.93	0.75	0.86	1.09	8.97
Other	Q	Q	Q	383	Q	Q	0.07	0.08	Q	Q	1.06	0.88	21.61
Commercial Refrigeration Equipment (more than one may apply)													
Any Equipment	7,475	6,637	8,707	5,980	0.09	0.07	0.06	0.08	1.18	1.01	1.05	1.43	6.43
Walk-in Units	5,830	5,406	7,016	4,606	0.09	0.07	0.06	0.07	1.20	1.13	1.16	1.55	6.94
Cases and Cabinets	6,314	5,694	7,068	5,340	0.09	0.07	0.06	0.08	1.21	1.05	1.05	1.47	7.18
None	4,775	6,108	10,390	7,547	0.11	0.07	0.07	0.08	0.69	0.59	0.66	0.92	6.75
Personal Computers and/or Computer Terminals													
1 to 4	2,114	2,326	3,479	2,150	0.12	0.07	0.07	0.09	0.86	0.61	0.76	0.86	8.71
5 to 9	1,077	1,340	1,567	1,331	0.10	0.07	0.07	0.09	0.95	1.00	0.73	0.98	11.98
10 to 19	1,036	890	1,829	1,650	0.09	0.07	0.06	0.08	0.71	0.65	0.96	1.09	11.51
20 to 49	1,482	1,468	1,842	1,552	0.10	0.07	0.06	0.08	0.83	0.71	0.84	1.12	10.23
50 or More	4,677	4,541	5,154	4,142	0.09	0.07	0.06	0.08	1.32	1.18	1.19	1.39	8.31
Annual Consumption (kilowatthours)													
10,000 or Less	134	160	244	84	0.14	0.11	0.11	0.12	0.16	0.12	0.13	0.13	8.53
10,001 to 50,000	1,021	939	1,618	842	0.13	0.09	0.09	0.10	0.49	0.33	0.33	0.45	6.32
50,001 to 100,000	848	976	1,689	947	0.12	0.08	0.08	0.10	0.75	0.54	0.60	0.70	8.38
100,001 to 500,000	3,017	2,815	4,879	3,559	0.11	0.07	0.07	0.09	0.90	0.70	0.91	1.07	5.86
500,001 to 1,000,000	918	1,333	2,079	1,495	0.10	0.07	0.06	0.08	0.83	0.81	0.95	1.06	9.81
1,000,001 to 5,000,000	2,879	3,528	4,916	4,559	0.09	0.07	0.06	0.08	1.02	1.03	1.31	1.74	8.60
Over 5,000,000	3,433	2,993	3,671	2,042	0.09	0.06	0.05	0.07	1.80	1.63	1.19	1.76	10.95

See footnotes at end of table.

Table 3.17. Electricity Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Electricity Expenditures (million dollars)				Electricity Expenditures (dollars)								RSE Row Factor
					per kWh				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.6	1.7	1.5	1.9	0.6	0.6	0.4	0.5	1.3	1.2	1.1	
Peak Electricity Demand (kilowatts)													
10 or Less	151	122	208	67	0.11	0.09	0.09	0.11	0.33	0.25	0.18	0.29	14.20
11 to 25	733	398	817	270	0.12	0.09	0.09	0.10	0.60	0.40	0.47	0.62	10.71
26 to 50	1,124	547	1,493	767	0.11	0.08	0.08	0.09	0.97	0.56	0.74	0.91	11.86
51 to 100	1,208	1,068	2,310	1,558	0.12	0.08	0.07	0.10	0.81	0.77	0.86	1.13	9.15
101 to 250	1,508	1,577	2,917	1,921	0.10	0.07	0.07	0.08	0.95	0.79	0.92	1.16	9.18
251 to 1,000	2,642	2,522	4,597	4,270	0.09	0.07	0.06	0.08	1.07	0.90	1.10	1.59	10.96
Over 1,000	1,961	3,372	3,994	2,385	0.08	0.06	0.05	0.08	1.63	1.50	1.16	1.84	11.41
Season of Peak Electricity Demand													
Summer	6,161	6,890	9,624	7,884	0.10	0.07	0.06	0.08	1.18	0.98	0.87	1.33	7.76
Winter	2,844	2,444	5,864	2,600	0.10	0.07	0.07	0.08	0.75	0.72	0.91	1.24	10.89
Summer and Winter	323	274	848	753	0.11	0.07	0.07	0.09	0.52	0.63	0.95	1.51	17.34
Building Generates Electricity													
Yes	3,464	2,719	3,824	2,734	0.09	0.07	0.06	0.07	1.24	1.07	1.28	1.33	8.94
No	8,786	10,026	15,273	10,793	0.10	0.07	0.07	0.08	0.84	0.70	0.73	1.04	5.63

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 3.33. Natural Gas Expenditures by Census Region, 1992

Building Characteristics	Total Natural Gas Expenditures (million dollars)				Natural Gas Expenditures (dollars)								RSE Row Factor
					per Thousand Cubic Feet				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.7	1.2	1.9	1.8	0.6	0.4	0.8	0.3	1.2	0.9	1.5	
All Buildings	2,014	3,011	2,998	1,878	5.85	4.15	4.43	5.14	0.24	0.22	0.22	0.20	8.54
Building Floorspace (square feet)													
1,001 to 5,000	266	515	599	337	7.39	4.94	5.21	5.96	0.59	0.42	0.45	0.46	9.62
5,001 to 10,000	230	430	338	343	7.34	4.88	5.40	5.55	0.36	0.31	0.26	0.37	9.41
10,001 to 25,000	336	576	543	427	6.38	4.58	3.34	5.03	0.35	0.26	0.28	0.25	15.96
25,001 to 50,000	371	361	595	231	5.32	4.26	5.27	4.93	0.28	0.20	0.30	0.16	15.22
50,001 to 100,000	329	356	288	210	6.28	4.13	4.44	4.77	0.30	0.21	0.15	0.19	12.80
100,001 to 200,000	161	301	228	204	4.98	3.71	4.84	5.09	0.14	0.16	0.10	0.11	16.42
200,001 to 500,000	133	312	Q	104	4.33	3.13	3.72	3.93	0.15	0.14	Q	0.10	19.50
Over 500,000	187	160	214	21	4.81	2.84	3.53	4.95	0.09	0.13	0.16	0.04	23.79
Principal Building Activity													
Education	352	411	305	203	5.51	3.63	4.85	4.72	0.24	0.18	0.16	0.17	13.90
Food Sales	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Food Service	198	233	170	217	6.75	4.57	4.91	5.84	0.67	0.57	0.70	1.10	15.11
Health Care	126	197	264	75	4.15	2.92	3.73	4.87	0.44	0.43	0.48	0.29	20.48
Lodging	188	171	300	270	4.65	4.28	5.68	5.02	0.48	0.33	0.41	0.45	17.65
Mercantile and Service	407	605	542	344	6.47	4.71	4.88	5.10	0.20	0.21	0.20	0.19	14.31
Office	210	430	Q	297	6.77	4.23	Q	5.17	0.16	0.21	Q	0.15	10.89
Parking Garage	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Public Assembly	126	146	97	121	6.27	4.31	5.28	4.94	0.23	0.24	0.12	0.21	14.36
Public Order and Safety	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Religious Worship	50	142	78	62	6.61	4.75	5.85	5.07	Q	0.15	0.09	0.09	11.72
Warehouse and Storage	202	384	273	80	6.05	4.32	5.06	5.63	0.18	0.17	0.14	0.08	14.84
Other	Q	59	Q	Q	Q	4.03	Q	Q	Q	0.30	Q	Q	28.61
Vacant	Q	107	71	80	Q	3.99	5.78	5.41	Q	0.21	0.11	0.16	18.36
Year Constructed													
1899 or Before	101	110	Q	Q	6.69	4.06	Q	Q	0.24	0.18	Q	Q	23.30
1900 to 1919	165	184	69	99	6.38	4.68	5.85	4.52	0.22	0.19	0.11	0.22	17.72
1920 to 1945	316	548	409	169	6.25	4.18	4.60	5.56	0.19	0.31	0.28	0.19	16.91
1946 to 1959	260	460	676	269	6.56	4.15	4.80	5.02	0.20	0.20	0.29	0.20	16.85
1960 to 1969	433	523	599	348	5.40	3.98	4.37	5.35	0.25	0.26	0.19	0.18	12.97
1970 to 1979	388	643	584	572	5.97	3.96	Q	5.01	0.31	0.20	0.22	0.26	12.58
1980 to 1989	318	463	535	352	5.20	4.32	5.28	5.33	0.23	0.19	0.21	0.19	14.48
1990 to 1992	34	81	79	46	4.87	4.65	5.72	5.41	0.21	0.15	0.17	0.10	20.25
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	659	Q	132	Q	4.40	Q	3.89	Q	0.22	Q	0.21	13.50
5,500-7,000 HDD	1,216	1,810	Q	238	5.71	4.02	Q	3.84	0.26	0.23	Q	0.19	12.13
4,000-5,499 HDD	798	543	Q	165	6.08	4.29	4.60	4.78	0.21	0.18	0.27	0.13	14.29
Fewer than 4,000 HDD	Q	Q	1,253	1,132	Q	Q	4.84	5.75	Q	Q	0.22	0.21	12.05
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	1,093	Q	Q	Q	3.95	5.59	Q	Q	0.21	0.28	12.82
Energy Sources (more than one may apply)													
Electricity	2,014	3,011	2,996	1,878	5.85	4.15	4.42	5.14	0.24	0.22	0.22	0.20	8.57
Natural Gas	2,014	3,011	2,998	1,878	5.85	4.15	4.43	5.14	0.24	0.22	0.22	0.20	8.54
Fuel Oil	512	502	443	166	5.19	3.31	3.94	4.62	0.18	0.24	0.21	0.12	18.78
District Heat	101	146	Q	98	4.56	3.24	Q	4.69	0.12	0.14	Q	0.22	30.55
District Chilled Water	Q	Q	64	Q	Q	Q	3.71	Q	Q	Q	0.20	Q	15.29
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.33. Natural Gas Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Natural Gas Expenditures (million dollars)				Natural Gas Expenditures (dollars)								RSE Row Factor
					per Thousand Cubic Feet				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.7	1.2	1.9	1.8	0.6	0.4	0.8	0.3	1.2	0.9	1.5	1.4	
Energy End Uses (more than one may apply)													
Heated Buildings	2,014	3,006	2,978	1,817	5.85	4.15	4.42	5.13	0.24	0.22	0.22	0.20	8.54
Buildings with A/C	1,825	2,594	2,923	1,626	5.78	4.06	4.41	5.17	0.23	0.21	0.23	0.20	8.73
Buildings with Water Heating	1,995	2,919	2,846	1,822	5.84	4.12	4.37	5.11	0.24	0.22	0.23	0.20	8.69
Buildings with Cooking	1,025	1,225	1,047	807	5.24	3.80	4.45	4.98	0.23	0.22	0.20	0.25	10.00
Buildings with Manufacturing	173	146	285	74	6.46	4.26	3.77	4.47	0.30	0.19	0.36	0.18	21.31
Workers (main shift)													
Less than 5	311	674	451	342	7.11	4.82	5.90	5.54	0.33	0.23	0.16	0.25	9.83
5 to 9	218	460	372	194	6.94	4.67	Q	5.70	0.30	0.30	0.28	0.21	8.74
10 to 19	347	305	389	372	6.83	4.42	5.02	5.13	0.34	0.19	0.24	0.30	13.20
20 to 49	411	607	870	414	5.28	4.33	5.35	5.18	0.27	0.26	0.32	0.23	13.14
50 to 99	332	289	378	207	5.57	4.14	3.84	4.70	0.25	0.17	0.23	0.15	15.44
100 or More	395	676	538	349	4.89	3.24	3.96	4.80	0.13	0.18	0.16	0.13	13.89
Weekly Operating Hours													
39 or Fewer	140	297	208	86	5.83	4.31	5.61	5.09	0.21	0.22	0.14	0.15	15.46
40 to 48	273	604	684	308	6.82	4.36	4.89	5.23	0.25	0.21	0.19	0.16	10.08
49 to 60	330	571	594	393	6.95	4.55	4.12	5.06	0.21	0.19	0.21	0.19	13.47
61 to 84	442	596	292	336	6.16	4.16	Q	5.16	0.22	0.22	0.13	0.16	14.22
85 to 167	405	437	295	384	5.72	4.22	5.13	5.42	0.22	0.22	0.25	0.26	13.89
Open Continuously	424	506	925	371	4.70	3.46	4.77	4.91	0.32	0.27	0.50	0.31	16.08
Ownership and Occupancy													
Nongovernment Owned	1,539	2,349	2,373	1,547	6.00	4.35	4.42	5.27	0.25	0.23	0.24	0.20	9.40
Owner Occupied	1,238	1,930	1,784	1,138	5.85	4.31	4.16	5.23	0.27	0.23	0.24	0.20	9.40
Single Establishment	1,050	1,597	1,627	962	5.67	4.32	4.11	5.25	0.35	0.26	0.25	0.24	9.92
Multiple Establishment	188	333	157	176	7.13	4.24	4.76	5.13	0.12	0.15	0.14	0.11	14.61
Nonowner Occupied	296	397	Q	379	6.74	4.54	5.45	5.43	0.19	0.22	Q	0.22	13.49
Single Establishment	180	204	Q	128	6.70	4.60	5.36	5.60	0.24	0.33	Q	0.19	17.61
Multiple Establishment	116	193	162	Q	6.80	4.48	5.67	5.35	0.14	0.16	0.11	Q	12.48
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Government Owned	475	662	625	331	5.41	3.56	4.44	4.61	0.20	0.19	0.19	0.19	11.94
Predominant Exterior Wall Material													
Masonry	1,647	2,339	2,357	1,391	5.79	4.16	4.81	5.14	0.25	0.22	0.23	0.21	8.95
Siding or Shingles	122	195	125	120	7.17	4.75	5.71	5.83	0.32	0.29	0.29	0.26	13.19
Metal Panels	Q	286	367	113	6.32	4.58	Q	5.12	0.18	0.24	0.27	0.27	15.72
Concrete Panels	Q	113	103	187	Q	2.83	5.03	4.69	Q	0.18	0.11	0.15	18.06
Window Glass	Q	48	33	28	Q	3.55	4.95	5.54	Q	0.19	0.09	0.11	19.96
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Predominant Roof Material													
Built-Up	780	1,235	1,587	1,008	6.18	4.04	4.66	5.14	0.23	0.23	0.23	0.18	10.70
Shingles (Not Wood)	363	543	479	297	6.80	4.74	5.01	5.26	0.31	0.24	0.28	0.21	10.85
Metal Surfacing	74	311	442	121	7.16	4.64	Q	5.52	0.22	0.24	0.21	0.22	14.33
Synthetic or Rubber	639	774	318	177	5.00	3.80	5.30	4.35	0.24	0.20	0.16	0.21	13.92
Other	158	148	172	275	5.96	4.20	5.02	5.51	0.17	0.15	0.22	0.32	18.35
Space-Heating Energy Source													
Natural Gas	1,855	2,797	2,612	1,492	5.83	4.19	4.33	5.07	0.27	0.23	0.23	0.19	9.37
Natural Gas Main	1,754	2,682	2,428	1,413	5.82	4.20	4.38	5.11	0.29	0.23	0.23	0.20	9.64
Natural Gas Secondary	101	115	185	78	5.98	3.94	3.72	4.45	0.12	0.14	0.20	0.10	22.41
Other Excluding Natural Gas	159	209	365	326	6.14	3.62	5.18	5.42	0.09	0.14	0.22	0.27	13.45
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.33. Natural Gas Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Natural Gas Expenditures (million dollars)				Natural Gas Expenditures (dollars)								RSE Row Factor
					per Thousand Cubic Feet				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.7	1.2	1.9	1.8	0.6	0.4	0.8	0.3	1.2	0.9	1.5	1.4	
Primary Space-Heating Energy Source													
Electricity	101	171	398	304	6.63	4.20	5.46	5.33	0.17	0.15	0.19	0.22	13.53
Natural Gas	1,754	2,682	2,428	1,413	5.82	4.20	4.38	5.11	0.29	0.23	0.23	0.20	9.64
Fuel Oil	77	Q	Q	Q	7.15	Q	Q	Q	0.08	Q	Q	Q	14.51
District Heat	77	90	70	89	4.79	3.18	3.30	4.81	0.10	0.11	0.22	0.27	19.90
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Primary Heating													
Electricity Only	65	171	228	73	6.76	4.72	Q	5.95	0.30	0.25	0.31	0.17	14.06
Natural Gas Only	27	Q	Q	Q	7.12	Q	Q	Q	0.11	Q	Q	Q	20.82
Fuel Oil Only	502	493	307	87	5.42	3.29	3.72	4.16	0.35	0.25	0.25	0.24	18.19
Propane Only	Q	132	65	68	Q	4.51	4.75	5.41	Q	0.20	0.18	0.14	17.96
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	1,231	2,112	2,283	1,497	6.24	4.32	4.91	5.15	0.20	0.21	0.22	0.21	8.43
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Source													
Natural Gas	118	208	Q	114	6.10	3.19	4.66	5.02	0.37	0.41	Q	0.18	26.65
Other Excluding Natural Gas	1,707	2,387	2,581	1,511	5.76	4.16	4.38	5.18	0.23	0.20	0.21	0.20	8.40
A/C Not Performed	189	417	75	252	6.62	4.75	4.92	4.99	0.28	0.29	0.20	0.21	13.47
Water-Heating Energy Source													
Natural Gas	1,606	2,341	2,112	1,562	5.78	4.06	4.79	5.18	0.29	0.26	0.25	0.23	9.02
Other Excluding Natural Gas	390	578	734	260	6.11	4.40	3.49	4.74	0.14	0.14	0.19	0.12	12.86
Water Heating Not Performed	Q	92	152	56	Q	5.17	5.94	6.42	Q	0.18	0.16	0.15	13.05
Cooking Energy Source													
Natural Gas	891	1,042	882	746	5.19	3.75	4.54	5.00	0.23	0.24	0.21	0.28	10.75
Other Excluding Natural Gas	134	183	164	61	5.58	4.13	4.01	4.70	0.21	0.17	0.19	0.09	18.69
Cooking Not Performed	989	1,786	1,951	1,071	6.66	4.42	4.41	5.28	0.24	0.22	0.24	0.18	10.12
Percent of Floorspace Heated													
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	220	161	294	196	6.00	5.07	4.45	5.55	0.12	0.11	0.12	0.13	15.69
51 to 99	404	333	354	486	5.93	4.44	Q	5.28	0.27	0.17	0.17	0.23	13.90
100	1,390	2,512	2,330	1,136	5.81	4.06	4.75	5.00	0.27	0.24	0.26	0.22	8.31
Heating Equipment (more than one may apply)													
Heat Pumps	208	139	448	211	5.29	3.34	5.17	5.35	0.24	0.14	0.31	0.16	18.40
Furnaces	580	1,210	1,052	367	5.70	4.64	3.90	5.14	0.23	0.24	0.27	0.13	13.61
Individual Space Heaters	736	983	1,129	445	5.39	4.23	4.95	4.90	0.23	0.19	0.23	0.16	11.92
District Heat	99	145	Q	92	4.54	3.23	3.05	4.82	0.12	0.14	0.34	0.22	21.51
Boilers	1,099	1,483	918	531	5.81	3.81	4.25	4.61	0.25	0.24	0.24	0.21	9.71
Packaged Heating Units	589	650	855	721	5.49	4.17	4.96	5.50	0.22	0.23	0.20	0.23	12.35
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Annual Consumption (hundred cubic feet)													
1,000 or Less	39	54	144	90	9.13	6.45	7.50	7.99	0.06	0.07	0.07	0.05	9.89
1,001 to 5,000	331	518	433	289	7.77	5.16	5.74	5.85	0.18	0.17	0.11	0.11	7.59
5,001 to 10,000	259	460	299	215	7.09	4.63	5.48	5.59	0.24	0.25	0.17	0.22	9.67
10,001 to 25,000	279	651	478	410	6.61	4.50	5.06	5.23	0.28	0.21	0.22	0.22	10.50
25,001 to 50,000	471	316	349	312	6.17	4.37	5.25	4.90	0.26	0.21	0.31	0.28	12.91
50,001 to 100,000	220	344	280	175	5.27	4.15	4.51	4.65	0.36	0.27	0.33	0.28	15.08
Over 100,000	415	669	1,015	387	4.13	3.07	3.32	4.49	0.26	0.29	0.78	0.77	23.30

See footnotes at end of table.

Table 3.33. Natural Gas Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Natural Gas Expenditures (million dollars)				Natural Gas Expenditures (dollars)								RSE Row Factor
					per Thousand Cubic Feet				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.7	1.2	1.9	1.8	0.6	0.4	0.8	0.3	1.2	0.9	1.5	
Gas Transported for the Account of Others													
Used in Building	202	391	Q	Q	4.04	2.86	Q	5.05	0.32	0.27	Q	Q	22.37
Not Used in Building	1,813	2,621	2,511	1,639	6.16	4.45	4.42	5.16	0.23	0.21	0.20	0.18	7.94

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 3.44. Fuel Oil Expenditures by Census Region, 1992

Building Characteristics	Total Fuel Oil Expenditures (million dollars)				Fuel Oil Expenditures (dollars)								RSE Row Factor
					per Gallon				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.4	2.6	1.9	1.4	0.3	0.5	0.3	0.3	0.9	2.6	1.8	2.2	
All Buildings	989	132	257	Q	0.71	0.70	0.75	0.61	0.18	0.05	0.07	Q	13.65
Building Floorspace (square feet)													
1,001 to 10,000	332	58	115	Q	0.83	0.79	0.89	Q	0.34	0.26	0.21	Q	10.69
10,001 to 100,000	418	30	Q	Q	0.71	0.76	0.68	Q	0.21	0.04	Q	Q	12.72
Over 100,000	239	Q	34	Q	0.61	0.59	0.62	0.74	0.09	Q	0.02	Q	22.70
Principal Building Activity													
Education	217	Q	Q	Q	0.63	Q	Q	Q	0.20	Q	Q	Q	13.52
Mercantile and Service	204	Q	Q	Q	0.84	Q	0.76	Q	0.21	Q	0.23	Q	13.19
Office	192	Q	25	Q	0.71	0.77	0.74	0.74	0.15	Q	0.02	Q	24.86
Public Assembly	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Warehouse and Storage	95	Q	Q	Q	0.82	Q	Q	Q	0.20	Q	Q	Q	26.50
All Others	224	Q	64	Q	0.66	0.66	0.81	Q	0.16	Q	0.06	Q	20.96
Year Constructed													
1945 or Before	332	Q	53	Q	0.72	0.64	0.80	Q	0.19	Q	0.13	Q	17.33
1946 to 1959	236	Q	51	Q	0.71	Q	0.76	Q	0.29	Q	0.12	Q	16.04
1960 to 1969	188	Q	56	Q	0.72	0.83	0.74	Q	0.21	Q	0.06	Q	20.24
1970 to 1979	154	Q	Q	Q	0.71	0.81	0.71	Q	0.17	0.03	Q	Q	15.64
1980 to 1989	65	Q	18	Q	0.70	0.85	0.79	Q	0.07	Q	0.02	Q	19.10
1990 to 1992	Q	Q	Q	Q	0.65	0.83	0.84	0.95	Q	Q	Q	Q	23.95
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	40	Q	Q	0.71	0.75	Q	Q	0.27	0.05	Q	Q	16.46
5,500-7,000 HDD	427	43	Q	Q	0.70	0.73	Q	Q	0.16	0.03	Q	Q	17.23
4,000-5,499 HDD	368	Q	154	Q	0.74	Q	0.74	Q	0.17	Q	0.13	Q	16.01
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	0.73	0.79	Q	Q	0.04	Q	32.05
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	53	Q	Q	Q	0.79	Q	Q	Q	0.05	Q	23.28
Energy Sources (more than one may apply)													
Electricity	989	130	257	Q	0.71	0.70	0.75	0.61	0.18	0.05	0.07	Q	12.37
Natural Gas	329	Q	97	Q	0.65	0.66	0.68	0.63	0.11	Q	0.05	Q	21.14
Fuel Oil	989	132	257	Q	0.71	0.70	0.75	0.61	0.18	0.05	0.07	Q	13.65
District Heat	Q	Q	Q	Q	0.37	Q	Q	Q	0.03	Q	Q	Q	36.12
District Chilled Water	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Propane	150	Q	Q	Q	0.69	Q	Q	Q	0.18	Q	Q	Q	18.94
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy End Uses (more than one may apply)													
Heated Buildings	989	132	254	Q	0.71	0.70	0.75	0.61	0.18	0.05	0.07	Q	13.65
Buildings with A/C	774	96	223	10	0.70	0.68	0.73	0.77	0.16	0.04	0.07	0.01	12.68
Buildings with Water Heating	921	113	218	Q	0.70	0.69	0.73	0.61	0.18	0.05	0.06	Q	14.49
Buildings with Cooking	376	Q	68	4	0.66	0.64	0.67	0.75	0.13	Q	0.03	(*)	12.74
Buildings with Manufacturing	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Workers (main shift)													
Less than 10	328	63	132	Q	0.83	0.78	0.81	Q	0.26	Q	0.18	Q	10.42
10 to 99	436	20	90	Q	0.71	0.77	0.72	Q	0.23	0.03	0.14	Q	15.33
100 or More	225	Q	35	Q	0.59	0.61	0.62	0.75	0.09	Q	0.02	Q	21.52
Weekly Operating Hours													
48 or Fewer	371	50	127	Q	0.73	0.79	0.75	Q	0.22	0.07	0.12	Q	15.91
49 to 84	311	32	79	Q	0.76	0.67	0.79	0.61	0.17	0.04	0.06	Q	13.41
85 to 168	307	Q	51	Q	0.65	0.65	0.69	Q	0.15	Q	0.04	Q	25.84

See footnotes at end of table.

Table 3.44. Fuel Oil Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Fuel Oil Expenditures (million dollars)				Fuel Oil Expenditures (dollars)								RSE Row Factor
					per Gallon				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.4	2.6	1.9	1.4	0.3	0.5	0.3	0.3	0.9	2.6	1.8	2.2	
RSE Column Factor:													
Ownership and Occupancy													
Nongovernment Owned	703	73	144	Q	0.75	0.78	0.82	0.64	0.17	0.04	0.06	Q	11.94
Owner Occupied	630	67	112	Q	0.75	0.77	0.81	0.63	0.19	0.05	0.06	Q	12.40
Single Establishment	490	49	105	Q	0.79	0.80	0.81	0.61	0.21	0.06	0.08	Q	14.22
Multiple Establishment	140	Q	Q	Q	0.64	0.70	0.88	0.73	0.13	Q	Q	Q	27.29
Nonowner Occupied	69	Q	32	Q	0.72	Q	0.84	Q	0.11	Q	0.07	Q	27.20
Single Establishment	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multiple Establishment	Q	Q	Q	Q	Q	Q	0.82	Q	Q	Q	Q	Q	2.82
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Government Owned	286	Q	Q	Q	0.64	0.63	0.67	Q	0.20	Q	Q	Q	13.96
Predominant Exterior Wall Material													
Masonry	805	104	201	Q	0.70	0.67	0.74	0.58	0.19	0.06	0.08	Q	16.99
Siding or Shingles	98	Q	Q	Q	0.83	Q	Q	Q	0.22	Q	Q	Q	13.03
Metal Panels	Q	Q	Q	Q	0.78	Q	Q	Q	0.15	Q	Q	Q	37.19
Concrete Panels	Q	Q	Q	Q	Q	Q	0.88	Q	Q	Q	Q	Q	70.49
Window Glass	Q	Q	Q	Q	Q	Q	0.67	Q	Q	Q	Q	Q	53.01
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Predominant Roof Material													
Built-Up	386	30	117	Q	0.73	0.67	0.69	0.60	0.20	0.03	0.06	Q	15.70
Shingles (Not Wood)	204	Q	52	Q	0.76	Q	0.88	Q	0.20	Q	0.17	Q	13.99
Metal Surfacing	46	Q	43	Q	0.81	Q	0.82	Q	0.20	Q	0.17	Q	17.18
Synthetic or Rubber	263	Q	Q	Q	0.68	0.67	0.73	Q	0.17	Q	Q	Q	20.77
Other	89	Q	Q	Q	0.61	Q	0.68	Q	0.11	Q	Q	Q	33.33
Space-Heating Energy Source													
Fuel Oil	974	116	230	Q	0.71	0.69	0.74	Q	0.23	0.09	0.14	Q	13.29
Fuel Oil Main	910	103	184	Q	0.72	0.70	0.74	Q	0.28	0.24	0.25	Q	12.76
Fuel Oil Secondary	64	Q	46	Q	0.57	Q	0.74	Q	0.06	Q	0.05	Q	25.53
Other Excluding Fuel Oil	15	Q	Q	6	0.81	0.84	0.81	0.84	0.01	0.01	Q	0.01	27.67
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Main Space-Heating Energy Source													
Electricity	Q	Q	18	Q	0.70	Q	0.88	0.89	Q	Q	0.02	Q	24.54
Natural Gas	41	Q	45	Q	0.74	0.68	0.71	Q	0.04	Q	0.03	Q	26.02
Fuel Oil	910	103	184	Q	0.72	0.70	0.74	Q	0.28	0.24	0.25	Q	12.76
District Heat	Q	Q	Q	Q	0.35	0.79	Q	Q	0.00	Q	Q	Q	27.06
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Main Heating													
Electricity Only	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Natural Gas Only	173	Q	Q	Q	0.68	Q	Q	Q	0.33	Q	Q	Q	22.35
Fuel Oil Only	28	6	Q	Q	0.71	0.79	0.63	Q	0.04	0.01	0.03	Q	21.05
Propane Only	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other Single Energy Source ...	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	694	69	167	Q	0.71	0.75	0.75	0.62	0.18	0.05	0.07	Q	15.20
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Water-Heating Energy Source													
Fuel Oil	574	Q	Q	Q	0.70	Q	Q	Q	0.27	Q	Q	Q	12.35
Other Excluding Fuel Oil	347	73	152	19	0.72	0.75	0.75	0.66	0.11	0.03	0.05	Q	13.19
Water Heating Not Performed	68	Q	39	Q	0.84	Q	0.87	Q	0.23	Q	0.19	Q	19.49

See footnotes at end of table.

Table 3.44. Fuel Oil Expenditures by Census Region, 1992 (Continued)

Building Characteristics	Total Fuel Oil Expenditures (million dollars)				Fuel Oil Expenditures (dollars)								RSE Row Factor
					per Gallon				per Square Foot				
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	RSE Column Factor:	1.4	2.6	1.9	1.4	0.3	0.5	0.3	0.3	0.9	2.6	1.8	
Percent of Floorspace Heated													
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	Q	Q	Q	Q	0.68	Q	Q	Q	0.12	Q	Q	Q	NF
51 to 99	151	Q	31	8	0.71	0.62	0.73	0.58	0.13	Q	0.05	Q	25.85
100	751	94	184	Q	0.72	0.71	0.73	0.61	0.21	0.05	0.07	Q	13.15
Heating Equipment (more than one may apply)													
Heat Pumps	60	Q	27	Q	0.64	Q	0.80	Q	0.10	Q	0.05	Q	27.89
Furnaces	203	57	82	Q	0.84	0.77	0.85	Q	0.22	Q	0.13	Q	13.93
Individual Space Heaters	258	34	86	Q	0.72	0.79	0.80	0.61	0.15	Q	0.06	Q	15.12
District Heat	Q	Q	2	Q	0.37	0.79	0.68	Q	0.03	Q	0.01	Q	28.56
Boilers	784	Q	150	Q	0.71	0.65	0.68	0.61	0.21	Q	0.08	Q	11.71
Packaged Heating Units	54	Q	Q	Q	0.67	0.53	0.77	Q	0.08	0.03	Q	Q	30.87
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy Conservation Features (more than one may apply)													
Any Conservation Features	984	131	254	Q	0.71	0.70	0.75	0.61	0.18	0.05	0.07	Q	13.66
Building Shell	961	128	230	Q	0.71	0.70	0.74	0.66	0.18	0.05	0.07	Q	14.06
HVAC	908	93	199	Q	0.71	0.69	0.72	0.65	0.18	0.04	0.06	Q	15.29
Lighting	441	Q	72	Q	0.72	0.66	0.70	0.64	0.13	Q	0.03	Q	17.49
Other	184	Q	Q	Q	0.64	0.82	0.70	Q	0.23	Q	0.05	Q	28.48
Energy Management Practices (more than one may apply)													
Energy Management and Control System	159	Q	Q	Q	0.64	0.59	0.64	0.73	0.12	Q	Q	Q	17.07
Demand-Side Management ¹ Participation	241	Q	40	Q	0.66	0.58	0.69	0.83	0.15	Q	0.03	Q	19.64
Energy Audit	319	Q	44	5	0.69	0.59	0.73	0.75	0.17	0.02	0.04	Q	16.21
Building Energy Manager	Q	Q	Q	Q	Q	Q	0.72	Q	Q	Q	Q	Q	40.57
Annual Consumption (gallons)													
1,000 or less	42	10	46	Q	0.94	0.89	0.92	1.04	0.03	0.01	0.02	Q	15.11
1,001 to 5,000	268	50	76	Q	0.86	0.83	0.87	Q	0.22	0.09	Q	Q	9.97
5,001 to 10,000	131	Q	Q	Q	0.76	Q	Q	Q	0.14	Q	Q	Q	19.72
10,001 to 25,000	174	Q	Q	Q	0.71	Q	Q	Q	0.30	Q	Q	Q	16.91
Over 25,000	373	Q	Q	Q	0.61	Q	Q	Q	0.26	Q	Q	Q	18.68

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.