

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Building Floorspace (Square Feet)</b>												
1,001 to 5,000 .....	2,298	3,235	4,752	2,526	19.47	15.74	19.77	23.48	2.24	1.71	1.88	1.89
5,001 to 10,000 .....	1,806	1,694	3,368	2,529	17.72	14.50	18.24	22.49	1.61	1.08	1.27	2.04
10,001 to 25,000 .....	2,606	3,157	4,530	2,846	17.56	13.85	18.09	19.03	1.32	1.02	1.03	1.36
25,001 to 50,000 .....	1,768	3,033	3,422	2,170	16.61	12.27	16.67	19.02	1.37	1.18	1.08	1.32
50,001 to 100,000 .....	3,479	2,592	3,959	1,866	17.16	12.25	15.52	20.88	1.71	1.15	1.15	1.41
100,001 to 200,000 .....	3,292	3,029	5,328	1,743	15.74	12.02	14.20	17.92	1.55	1.32	1.53	1.48
200,001 to 500,000 .....	2,877	2,798	2,781	1,892	15.20	11.47	14.55	18.84	1.62	1.27	1.45	1.47
Over 500,000 .....	Q	1,983	3,456	2,545	Q	10.75	14.03	18.12	Q	1.65	1.79	2.08
<b>Principal Building Activity</b>												
Education .....	2,508	2,465	4,948	2,087	14.66	11.24	16.46	16.14	1.49	0.97	1.24	1.25
Food Sales .....	Q	1,192	1,814	Q	Q	16.99	19.86	Q	Q	3.72	3.73	Q
Food Service .....	Q	1,384	3,399	1,250	Q	13.95	15.70	19.37	Q	3.05	4.45	4.72
Health Care .....	1,510	1,690	2,681	1,560	13.30	10.30	12.37	15.70	2.82	2.12	2.10	2.82
Inpatient .....	Q	1,052	2,180	Q	Q	8.81	11.47	Q	Q	2.40	2.60	Q
Outpatient .....	Q	638	501	658	Q	14.27	18.76	20.17	Q	1.78	1.14	2.33
Lodging .....	1,531	1,434	2,451	2,029	14.16	11.51	14.92	18.00	Q	1.25	1.45	1.87
Retail (Other Than Mall).....	837	1,212	2,433	1,499	20.43	13.40	19.20	24.64	1.33	1.38	1.32	1.56
Office .....	6,229	4,787	5,609	4,216	20.44	14.72	17.05	24.13	2.07	1.60	1.48	1.74
Public Assembly .....	1,329	1,290	1,735	Q	14.22	12.54	15.87	22.31	Q	1.28	1.48	2.03
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	425	693	1,071	268	13.02	11.76	18.66	18.86	0.68	0.62	0.71	0.52
Service .....	942	1,434	1,535	867	15.97	13.09	Q	16.33	1.27	1.11	1.13	1.31
Warehouse and Storage .....	1,056	2,724	1,928	1,187	16.66	12.08	18.24	19.36	0.69	0.90	0.49	0.76
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Year Constructed</b>												
Before 1920 .....	1,710	1,434	605	Q	14.93	11.63	14.74	Q	1.22	0.92	1.17	Q
1920 to 1945 .....	3,246	2,880	1,301	1,242	14.69	11.01	16.57	21.07	1.30	1.37	0.97	1.35
1946 to 1959 .....	2,943	2,031	2,126	1,440	15.54	12.34	15.42	19.57	1.41	1.00	1.18	1.28
1960 to 1969 .....	3,505	2,448	3,222	2,203	16.63	11.96	16.04	18.29	2.02	1.10	1.27	1.38
1970 to 1979 .....	3,425	4,127	5,077	3,500	17.91	12.82	15.88	18.41	1.99	1.27	1.36	1.68
1980 to 1989 .....	2,923	3,069	7,152	4,202	20.02	13.90	15.93	19.26	2.13	1.57	1.50	1.87
1990 to 1999 .....	2,216	3,988	8,567	3,989	18.83	13.96	16.34	23.45	1.62	1.45	1.37	1.99
2000 to 2003 .....	1,376	1,544	3,544	1,158	Q	14.43	17.96	20.60	1.97	1.25	1.39	1.12
<b>Climate Zone: 30-Year Average</b>												
Under 2,000 CDD and --												
More than 7,000 HDD .....	3,499	6,874	N	3,336	17.74	12.76	N	13.14	1.45	1.22	N	1.29
5,500-7,000 HDD .....	8,356	13,204	N	2,895	15.92	12.72	N	14.66	1.55	1.34	N	1.40
4,000-5,499 HDD .....	9,489	1,442	6,339	Q	17.29	12.80	15.58	18.99	1.86	0.90	1.54	1.78
Fewer than 4,000 HDD .....	N	N	13,141	9,231	N	N	14.87	28.07	N	N	1.27	1.71
2,000 CDD or More and --												
Fewer than 4,000 HDD .....	N	N	12,115	1,419	N	N	18.42	21.51	N	N	1.34	2.55
<b>Number of Floors</b>												
One .....	5,015	7,842	13,429	7,330	18.50	13.88	18.24	20.09	1.59	1.28	1.14	1.48
Two .....	4,166	5,474	6,664	4,628	16.42	12.75	16.62	20.42	1.38	1.06	1.35	1.48
Three .....	2,390	3,012	2,457	1,285	15.31	12.75	15.02	20.20	1.15	1.17	1.27	1.43
Four to Nine .....	6,000	4,237	5,941	2,789	16.30	11.15	13.66	18.23	2.00	1.59	1.92	2.10
Ten or More .....	Q	Q	3,105	Q	Q	Q	14.62	Q	Q	Q	1.77	Q

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Elevators and Escalators (more than one may apply)</b>												
Any Elevators .....	11,964	9,486	13,512	7,290	16.55	11.96	14.41	19.60	1.95	1.42	1.70	1.89
Number of Elevators												
One .....	2,895	3,543	3,184	1,345	17.37	12.28	15.95	17.50	1.83	1.15	1.29	1.25
Two to Five .....	4,886	4,082	5,587	2,663	16.18	12.22	14.21	20.77	1.64	1.51	1.81	1.96
Six or More .....	4,183	1,861	4,741	3,283	16.46	10.91	13.75	19.66	2.65	2.09	1.99	2.31
Any Escalators .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Number of Workers (main shift)</b>												
Fewer than 5 .....	2,461	4,520	4,256	2,378	16.11	13.25	20.21	21.09	1.04	0.91	0.75	0.96
5 to 9 .....	1,646	1,954	3,162	1,503	18.56	14.94	18.70	18.82	1.52	1.34	1.22	1.47
10 to 19 .....	2,128	2,417	3,596	1,795	16.49	13.26	18.06	21.36	1.14	1.16	1.31	1.62
20 to 49 .....	3,614	3,879	5,709	3,203	17.40	12.52	15.60	19.22	1.56	1.36	1.47	1.66
50 to 99 .....	2,655	2,903	3,486	2,121	16.07	12.57	15.96	18.76	1.66	1.26	1.31	1.55
100 to 249 .....	2,876	2,453	4,878	2,763	16.04	11.98	14.68	22.79	2.16	1.52	1.93	1.98
250 or More .....	5,965	3,394	6,508	4,355	17.11	11.71	14.37	18.65	2.56	1.89	1.91	2.19
<b>Weekly Operating Hours</b>												
Fewer than 40 .....	528	1,098	1,287	783	15.12	13.21	18.86	18.96	0.57	0.48	0.51	0.71
40 to 48 .....	2,419	3,157	4,689	2,483	15.01	13.23	18.26	21.28	1.15	1.13	1.03	1.15
49 to 60 .....	4,030	5,704	6,022	3,705	18.23	12.75	17.33	22.67	1.30	1.24	1.08	1.51
61 to 84 .....	3,345	3,323	5,555	2,817	17.19	13.23	16.91	18.81	1.63	1.29	1.48	1.44
85 to 167 .....	2,960	3,836	5,164	2,326	18.35	13.39	16.14	19.11	2.25	1.91	2.10	1.78
Open Continuously .....	8,062	4,402	8,877	6,005	16.19	11.50	14.15	18.86	2.37	1.58	1.93	2.57
<b>Ownership and Occupancy</b>												
Nongovernment Owned .....	17,306	15,018	23,198	14,154	17.42	13.14	16.48	21.46	1.67	1.20	1.30	1.62
Owner Occupied .....	9,772	7,513	10,288	5,979	16.83	12.78	16.42	22.55	1.66	1.22	1.31	1.64
Nonowner Occupied .....	7,441	7,338	12,806	8,128	18.26	13.57	16.54	20.74	1.77	1.32	1.37	1.69
Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Government Owned .....	4,038	6,503	8,397	3,964	14.53	11.90	15.53	15.75	1.60	1.41	1.48	1.54
Federal .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	1.96	Q
State .....	Q	Q	2,976	1,384	Q	Q	13.56	15.69	Q	Q	1.73	1.90
Local .....	2,483	2,927	4,399	2,039	14.31	11.65	17.24	16.93	1.46	1.00	1.29	1.32
<b>Vacancy Status</b>												
Completely Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant .....	5,398	4,070	5,030	3,125	18.16	12.63	16.66	19.01	1.73	1.30	1.24	1.50
Not At All Vacant .....	15,731	17,136	26,443	14,893	16.36	12.79	16.14	20.11	1.70	1.32	1.41	1.68
<b>Number of Establishments</b>												
One .....	13,370	16,206	22,598	12,980	15.89	12.84	16.44	18.83	1.66	1.31	1.33	1.67
2 to 5 .....	4,318	3,711	5,052	2,949	17.66	12.75	15.60	22.17	1.72	1.32	1.35	1.55
6 to 10 .....	1,019	605	1,184	593	17.51	10.77	15.58	23.58	1.78	1.19	2.15	1.81
11 to 20 .....	Q	Q	907	Q	Q	Q	14.70	Q	Q	Q	1.54	Q
More than 20 .....	Q	Q	1,740	Q	Q	Q	16.51	Q	Q	Q	1.72	Q
Currently Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Predominant Exterior Wall Material</b>												
Brick, Stone or Stucco .....	11,983	12,651	16,070	7,694	15.57	12.59	15.93	19.11	1.65	1.37	1.39	1.62
Concrete (Block or Poured) .....	3,482	3,611	5,714	3,208	18.67	12.52	16.68	20.50	1.59	1.25	1.43	1.81
Concrete Panels .....	Q	1,877	4,661	2,967	Q	12.55	16.16	19.37	Q	1.53	1.69	1.50
Siding or Shingles .....	1,272	1,043	1,268	1,487	16.82	14.69	17.35	26.21	1.07	0.88	1.21	2.13
Metal Panels .....	2,068	1,435	2,778	1,915	19.87	15.10	16.83	19.37	1.96	0.76	0.81	1.23
Window Glass .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Predominant Roof Material</b>												
Built-Up .....	7,382	7,284	11,161	7,318	17.85	12.44	15.79	19.37	1.81	1.38	1.50	1.66
Shingles (Not Wood) .....	3,288	3,353	4,131	2,793	15.88	12.98	17.53	22.97	1.63	1.05	1.24	1.69
Metal Surfacing .....	1,147	2,178	5,269	2,189	19.90	13.57	18.14	18.05	1.12	0.82	0.84	1.12
Synthetic or Rubber .....	7,735	6,210	7,637	3,243	16.54	12.88	14.85	17.54	1.88	1.40	1.78	1.73
Slate or Tile .....	Q	388	1,383	1,202	Q	12.88	17.48	25.73	Q	1.27	1.31	1.94
Wooden Materials .....	Q	Q	Q	291	Q	Q	Q	Q	Q	Q	Q	1.19
Concrete .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	1.53	Q
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Renovations in Buildings Constructed Before 1980 (more than one may apply)</b>												
Any Type of Renovation												
Since 1980 .....	8,758	6,522	6,154	4,223	16.31	11.53	14.80	17.03	1.72	1.20	1.38	1.49
Addition or Annex .....	2,757	2,582	2,761	1,429	14.75	10.71	14.16	13.03	1.53	1.31	1.53	1.46
Reduction In Floorspace .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements .....	7,113	4,939	4,245	3,324	16.97	11.60	14.92	17.72	1.80	1.27	1.37	1.52
Wall or Roof Replacement .....	4,422	2,702	2,595	1,934	17.01	11.72	15.15	16.76	1.65	1.21	1.39	1.50
Interior Wall												
Re-Configuration .....	4,296	3,448	2,812	2,575	16.20	11.71	14.00	17.09	1.73	1.33	1.45	1.71
HVAC Equipment Upgrade .....	5,929	4,223	3,914	2,832	17.53	11.44	14.10	16.51	1.96	1.27	1.51	1.55
Lighting Upgrade .....	5,917	3,880	3,025	2,911	16.21	11.51	14.09	17.29	1.77	1.27	1.45	1.64
Window Replacement .....	4,548	2,068	1,216	1,270	16.78	11.25	14.89	16.61	1.65	1.12	1.33	1.51
Plumbing System Upgrade .....	4,289	2,481	2,007	2,188	16.46	11.54	13.53	17.60	1.71	1.31	1.47	1.60
Insulation Upgrade .....	2,398	1,424	1,257	789	17.33	12.35	15.02	18.21	1.75	1.18	1.47	1.37
Other Renovation .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980 .....	6,070	6,398	6,178	4,545	15.57	12.53	17.05	20.78	1.39	1.12	1.13	1.43
Building Newer than 1980 .....	6,516	8,601	19,263	9,350	18.93	14.02	16.46	21.03	1.89	1.45	1.42	1.77
<b>Energy Sources (more than one may apply)</b>												
Electricity .....	21,344	21,518	31,595	18,118	16.79	12.74	16.22	19.88	1.67	1.29	1.39	1.64
Natural Gas .....	16,336	17,202	20,764	13,159	16.38	12.47	14.94	18.13	1.78	1.31	1.56	1.68
Fuel Oil .....	9,930	4,397	6,953	4,625	15.62	11.30	14.24	18.75	1.63	1.55	1.69	2.18
District Heat .....	Q	Q	Q	Q	Q	Q	13.30	Q	Q	Q	2.44	Q
District Chilled Water .....	Q	Q	2,629	Q	Q	Q	13.04	Q	Q	Q	2.29	Q
Propane .....	1,606	2,729	2,488	2,601	16.45	12.91	16.75	20.49	1.19	1.25	1.05	2.22
Other .....	Q	599	551	Q	Q	12.59	Q	Q	Q	1.19	1.80	Q

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Space-Heating Energy Sources (more than one may apply)</b>												
Electricity .....	8,456	7,487	17,900	7,894	19.05	13.68	17.67	21.39	1.92	1.20	1.37	1.61
Natural Gas .....	12,966	15,164	15,939	10,889	16.66	12.36	14.74	18.29	1.79	1.25	1.49	1.59
Fuel Oil .....	4,722	1,105	1,196	Q	13.18	10.24	13.00	Q	1.20	1.21	1.33	Q
District Heat .....	Q	Q	Q	Q	Q	Q	13.21	Q	Q	Q	2.49	Q
Propane .....	Q	519	1,220	Q	Q	19.13	17.40	Q	Q	0.64	1.02	Q
Other .....	Q	215	Q	Q	Q	Q	Q	Q	Q	0.79	Q	Q
<b>Primary Space-Heating Energy Source</b>												
Electricity .....	2,318	3,353	11,722	4,618	23.46	16.36	19.67	24.43	1.85	1.32	1.29	1.48
Natural Gas .....	11,229	13,617	13,826	9,525	16.59	12.24	14.55	17.62	1.74	1.20	1.49	1.61
Fuel Oil .....	3,278	Q	Q	Q	13.65	Q	Q	Q	1.01	Q	Q	Q
District Heat .....	Q	Q	Q	Q	Q	Q	13.27	Q	Q	Q	2.50	Q
Propane .....	Q	396	485	Q	Q	21.94	21.82	37.59	Q	0.70	0.72	Q
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Cooling Energy Sources (more than one may apply)</b>												
Electricity .....	18,271	17,938	29,097	16,172	17.01	12.93	16.47	20.41	1.76	1.30	1.41	1.70
Natural Gas .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
District Chilled Water .....	Q	Q	2,629	Q	Q	Q	13.04	Q	Q	Q	2.29	Q
<b>Water-Heating Energy Sources (more than one may apply)</b>												
Electricity .....	7,228	7,602	15,995	6,082	17.88	13.47	17.60	22.72	1.41	1.17	1.35	1.52
Natural Gas .....	10,768	11,529	14,522	10,791	16.31	12.24	14.44	18.05	1.92	1.31	1.75	1.76
Fuel Oil .....	2,025	Q	Q	Q	13.07	Q	Q	Q	1.31	Q	Q	Q
District Heat .....	Q	Q	Q	Q	Q	Q	13.66	Q	Q	Q	2.45	Q
Propane .....	Q	Q	500	Q	Q	15.90	18.42	Q	Q	0.68	0.93	Q
<b>Cooking Energy Sources (more than one may apply)</b>												
Electricity .....	5,129	5,433	9,274	3,786	16.29	12.09	15.50	17.48	2.06	1.44	1.89	1.91
Natural Gas .....	6,991	6,263	11,058	5,131	15.25	11.64	14.29	16.92	1.95	1.58	2.02	2.13
Propane .....	466	Q	584	Q	16.83	Q	17.45	Q	1.18	Q	1.30	Q
<b>Energy End Uses (more than one may apply)</b>												
Buildings with Space Heating .....	21,201	21,367	30,483	16,563	16.77	12.70	16.04	19.29	1.68	1.31	1.45	1.64
Buildings with Cooling .....	19,935	19,466	31,209	17,129	17.04	12.88	16.20	19.99	1.82	1.34	1.45	1.72
Buildings with Water Heating .....	20,407	19,598	29,918	17,295	16.82	12.75	16.01	19.67	1.73	1.31	1.50	1.76
Buildings with Cooking .....	9,562	8,772	14,691	7,241	15.48	12.01	15.19	18.23	1.91	1.50	1.86	2.08
Buildings with Manufacturing .....	1,485	870	624	Q	17.65	12.06	14.86	17.30	1.47	1.09	0.97	1.42
Buildings with Electricity Generation .....	7,871	5,766	7,028	4,756	17.23	11.84	14.19	18.75	2.43	1.74	1.75	2.12
<b>Percent of Floorspace Heated</b>												
Not Heated .....	Q	153	1,112	1,554	Q	21.19	23.22	29.47	Q	0.20	0.45	1.29
1 to 50 .....	1,008	794	2,185	1,614	17.74	14.10	18.12	24.91	0.73	0.70	0.77	1.08
51 to 99 .....	2,404	2,167	4,190	3,211	16.02	12.29	16.56	19.21	1.56	1.25	1.45	1.65
100 .....	17,789	18,407	24,109	11,738	16.83	12.70	15.79	18.74	1.84	1.37	1.58	1.76

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Percent of Floorspace Cooled</b>												
Not Cooled .....	1,409	2,055	386	989	13.90	11.50	17.92	18.21	0.72	0.79	0.20	0.73
1 to 50 .....	4,827	4,108	3,503	3,065	14.88	12.22	16.86	19.45	1.13	0.86	0.71	1.15
51 to 99 .....	6,603	5,439	6,151	4,253	17.52	12.50	16.28	19.08	2.13	1.45	1.58	1.74
100 .....	8,505	9,919	21,556	9,811	18.16	13.41	16.07	20.59	2.37	1.66	1.69	2.02
<b>Percent Lit When Open</b>												
Zero .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50 .....	2,378	2,236	2,411	1,574	15.10	12.54	18.16	21.94	0.86	0.81	0.76	1.04
51 to 99 .....	7,274	6,631	8,536	5,813	17.09	12.90	16.60	20.61	2.02	1.25	1.39	1.79
100 .....	11,536	12,338	20,429	10,654	17.01	12.72	15.86	19.28	1.91	1.59	1.59	1.75
Building Never Open/ Electricity Not Used .....	Q	301	Q	Q	Q	Q	Q	Q	Q	0.25	Q	Q
<b>Percent Lit When Closed</b>												
Zero .....	3,294	5,545	5,920	3,549	17.39	12.78	17.77	20.20	1.17	1.07	0.94	1.14
1 to 50 .....	9,231	10,434	15,141	8,206	17.03	13.20	16.93	20.55	1.47	1.26	1.37	1.53
51 to 100 .....	Q	1,138	1,657	Q	Q	13.87	17.70	Q	Q	2.28	1.64	Q
Building Never Closed/ Electricity Not Used .....	8,062	4,405	8,878	6,005	16.19	11.50	14.15	18.86	2.32	1.41	1.72	2.30
<b>Heating Equipment (more than one may apply)</b>												
Heat Pumps .....	3,282	1,298	6,729	2,941	18.52	13.47	17.04	21.57	2.71	1.23	1.36	1.84
Packaged Heat Pumps .....	1,938	907	4,454	2,030	Q	13.26	17.36	20.71	2.60	1.23	1.52	1.97
Split-System Heat Pumps .....	Q	Q	2,201	738	Q	Q	17.37	24.40	Q	Q	1.18	2.01
Individual Room Heat Pumps .....	Q	Q	1,596	667	Q	Q	15.87	19.81	Q	Q	1.28	1.24
Furnaces .....	4,758	8,025	6,516	4,190	17.28	13.46	16.42	18.64	1.32	1.11	1.14	1.36
Individual Space Heaters .....	4,626	4,368	4,549	2,421	17.62	12.87	16.49	16.60	1.66	1.05	1.26	1.22
District Heat .....	Q	Q	Q	Q	Q	Q	13.21	Q	Q	Q	2.49	Q
Boilers .....	9,785	7,454	7,486	6,327	14.81	11.37	13.38	17.19	1.57	1.21	1.70	1.73
Packaged Heating Units .....	6,770	5,282	12,272	5,578	18.57	13.17	17.00	23.17	2.32	1.44	1.51	1.68
Other .....	Q	1,048	1,508	593	Q	14.09	17.78	18.23	Q	1.28	1.09	1.23
<b>Cooling Equipment (more than one may apply)</b>												
Residential-Type Central												
Air Conditioners .....	3,882	4,378	4,419	1,762	16.38	12.78	17.36	19.65	1.62	1.21	1.15	1.49
Heat Pumps .....	3,376	1,313	6,856	3,194	18.49	13.21	16.90	21.37	2.66	1.23	1.39	1.79
Packaged Heat Pumps .....	2,019	944	4,417	1,976	Q	13.07	17.33	20.41	2.56	1.24	1.55	1.92
Split-System Heat Pumps .....	Q	Q	2,271	771	Q	Q	17.24	23.98	Q	Q	1.22	1.91
Individual Room Heat Pumps .....	Q	Q	1,690	982	Q	Q	15.67	20.08	Q	Q	1.31	1.34
Individual Air Conditioners .....	5,230	3,744	4,391	2,811	14.87	11.69	16.16	20.67	1.42	1.07	1.21	1.61
District Chilled Water .....	Q	Q	2,629	Q	Q	Q	13.04	Q	Q	Q	2.29	Q
Central Chillers .....	4,731	4,571	8,574	4,572	16.10	11.32	14.28	19.61	2.55	1.61	1.77	2.19
Packaged Air Conditioning												
Units .....	11,093	11,024	14,884	9,330	16.87	12.95	16.59	20.42	1.85	1.36	1.43	1.70
Swamp Coolers .....	Q	Q	Q	2,049	Q	Q	Q	15.26	Q	Q	Q	1.53
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Main Equipment Replaced Since 1990 (more than one may apply)</b>												
Heating .....	5,572	5,905	5,972	4,093	18.33	12.80	16.15	17.64	1.40	1.17	1.24	1.58
Cooling .....	9,227	7,399	8,366	5,396	17.26	12.39	16.03	18.28	1.69	1.29	1.30	1.60

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Water Heating Equipment</b>												
Centralized System .....	13,758	13,278	17,757	9,976	16.61	13.28	16.23	19.56	1.77	1.37	1.54	1.77
Distributed System .....	3,187	2,962	5,419	2,827	17.78	13.01	17.38	24.21	1.37	1.11	1.19	1.43
Combination of Centralized and Distributed System .....	3,463	3,358	6,742	4,493	16.83	10.84	14.57	17.80	2.04	1.33	1.77	2.02
<b>Lighting Equipment Types (more than one may apply)</b>												
Incandescent .....	14,219	14,319	20,589	11,232	16.53	12.65	15.60	18.59	1.76	1.30	1.58	1.75
Standard Fluorescent .....	20,666	20,834	30,464	17,662	16.80	12.73	16.15	19.81	1.70	1.33	1.44	1.67
Compact Fluorescent .....	12,479	10,498	15,934	10,660	16.76	12.54	14.88	19.17	2.05	1.54	1.79	1.85
High Intensity Discharge .....	8,290	8,871	9,455	5,384	16.86	11.86	15.25	19.10	1.89	1.34	1.52	1.58
Halogen .....	7,455	6,817	10,142	5,804	17.33	11.90	15.03	19.13	2.08	1.46	1.64	1.78
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Refrigeration Equipment (more than one may apply)<sup>a</sup></b>												
Any Refrigeration.....	18,988	18,548	29,141	15,880	16.72	12.74	16.03	19.75	1.75	1.32	1.53	1.77
Commercial Refrigeration .....	12,287	10,930	18,876	8,843	16.20	12.38	15.41	18.86	2.07	1.53	1.96	2.17
Walk-In Units .....	9,630	8,580	16,164	7,438	16.38	12.23	15.07	18.41	2.16	1.65	2.16	2.37
Cases or Cabinets .....	10,231	8,075	15,591	7,567	15.97	12.34	15.50	18.83	2.27	1.62	2.03	2.31
Residential-Type Units .....	13,108	13,081	17,727	10,192	16.00	12.76	16.08	19.63	1.58	1.21	1.35	1.53
Vending Machines .....	12,657	12,442	20,697	10,495	16.11	12.16	15.38	18.52	1.93	1.32	1.53	1.80
No Refrigeration .....	2,355	2,973	2,454	2,238	17.38	12.71	18.81	20.88	1.14	0.99	0.56	0.95
<b>Office Equipment (more than one may apply)</b>												
Computers .....	20,062	19,381	28,855	17,109	16.75	12.70	16.09	19.93	1.74	1.34	1.46	1.71
With Flat Screen Monitors .....	12,641	9,288	15,413	9,362	16.90	12.39	15.33	20.23	2.11	1.46	1.69	1.90
Dedicated Servers .....	15,313	13,036	19,117	11,911	16.84	12.69	15.39	20.51	1.88	1.41	1.51	1.89
Laser Printers .....	11,298	10,344	15,714	10,523	16.49	12.40	16.27	20.09	1.59	1.22	1.36	1.79
Inkjet Printers .....	12,502	11,824	17,974	10,220	17.40	12.93	15.58	19.79	1.95	1.42	1.57	1.70
FAX Machines .....	19,559	17,648	27,796	15,899	16.79	12.69	15.91	20.16	1.75	1.33	1.48	1.74
Photocopiers .....	17,464	15,408	23,166	14,041	16.61	12.47	15.66	20.08	1.77	1.30	1.42	1.71
<b>Number of Computers</b>												
None .....	1,282	2,140	2,740	1,009	17.45	13.06	17.72	19.18	0.92	0.80	0.73	0.76
1 to 4 .....	3,089	4,589	6,663	2,916	16.88	14.05	18.35	20.45	1.48	1.23	1.51	1.36
5 to 9 .....	1,604	2,339	2,749	1,957	18.19	12.10	18.08	17.45	1.00	1.21	1.08	1.78
10 to 19 .....	1,909	2,222	2,518	1,939	17.06	13.22	17.35	21.58	1.45	1.32	1.05	1.62
20 to 49 .....	2,555	2,409	3,784	3,030	17.53	12.99	15.15	24.06	1.70	1.25	1.56	1.95
50 to 99 .....	1,548	1,625	3,155	1,561	15.45	12.23	15.23	21.52	Q	1.55	1.50	1.46
100 to 249 .....	2,771	2,401	3,466	2,153	16.02	12.15	15.60	17.78	2.20	1.30	1.53	1.63
250 or More .....	6,586	3,797	6,521	3,552	16.65	11.80	14.34	18.27	2.54	1.72	1.83	2.23
<b>Number of Dedicated Servers</b>												
None .....	6,031	8,485	12,479	6,207	16.68	12.81	17.68	18.79	1.27	1.08	1.15	1.24
1 to 4 .....	8,340	8,382	11,294	6,975	16.11	12.89	15.80	19.89	1.59	1.28	1.38	1.70
5 to 9 .....	Q	1,468	2,203	1,525	Q	12.84	15.70	24.94	Q	1.52	1.68	2.27
10 to 19 .....	Q	1,338	2,216	1,110	Q	10.80	14.27	20.93	Q	1.73	1.97	2.01
20 to 49 .....	Q	Q	2,138	Q	Q	Q	15.11	Q	Q	Q	1.69	Q
50 or More .....	Q	1,155	1,266	Q	Q	13.40	14.01	Q	Q	1.89	1.72	Q

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60
<b>Number of Photocopiers</b>												
None .....	3,880	6,113	8,429	4,077	17.64	13.47	17.97	19.24	1.29	1.17	1.17	1.31
One .....	3,833	4,733	6,054	3,816	16.57	12.92	17.81	19.83	1.27	1.12	1.11	1.39
2 to 4 .....	4,517	4,954	7,500	4,010	16.37	12.89	15.57	20.84	1.53	1.23	1.36	1.55
5 to 9 .....	2,780	1,874	3,016	1,771	15.73	11.55	15.31	23.34	1.83	1.34	1.69	2.17
10 or More .....	6,334	3,848	6,596	4,444	17.26	11.91	14.32	18.63	2.63	1.75	1.86	2.19
<b>Energy-Related Space Functions (more than one may apply)</b>												
Commercial Food Preparation .....	9,562	8,772	14,690	7,229	15.48	12.01	15.19	18.28	1.91	1.50	1.86	2.08
Activities with Large Amounts of Hot Water .....	7,641	7,812	12,288	7,163	15.10	11.44	14.36	17.02	1.95	1.50	1.78	2.09
Separate Computer Area .....	12,390	8,956	14,183	9,023	16.24	12.24	15.04	19.71	2.09	1.38	1.51	1.78
<b>HVAC Conservation Features (more than one may apply)</b>												
Variable Air-Volume System .....	8,946	7,873	12,510	6,925	17.05	12.15	14.81	19.11	2.37	1.57	1.70	2.00
Economizer Cycle .....	10,399	9,370	11,888	7,936	17.71	12.46	14.62	18.19	2.51	1.59	1.79	1.78
HVAC Maintenance .....	19,443	18,283	27,254	16,349	16.77	12.55	15.74	19.89	1.76	1.39	1.54	1.75
Energy Management and Control System (EMCS) .....	7,348	5,459	9,285	5,554	17.54	11.87	15.25	18.83	2.45	1.44	1.60	1.84
<b>Window and Interior Lighting Features (more than one may apply)</b>												
Multipaned Windows .....	15,717	16,103	18,428	9,108	16.55	12.85	15.39	17.21	1.69	1.37	1.50	1.65
Tinted Window Glass .....	10,569	10,767	17,975	10,257	16.82	12.78	15.93	20.58	2.13	1.47	1.50	1.81
Reflective Window Glass .....	3,661	3,059	5,149	2,545	18.50	12.26	15.14	18.28	2.20	1.41	1.71	1.49
External Overhangs or Awnings .....	5,115	5,826	10,769	6,539	17.21	13.20	16.11	19.85	1.90	1.38	1.59	1.84
Skylights or Atriums .....	4,694	4,490	5,557	4,543	15.64	11.81	14.65	18.37	1.62	1.37	1.42	1.84
Daylighting Sensors .....	Q	1,336	1,173	2,945	Q	11.95	14.78	21.21	Q	1.64	1.74	3.10
Specular Reflectors .....	11,394	11,334	12,462	8,276	16.89	12.18	15.35	20.10	1.95	1.47	1.58	1.76
Electronic Ballasts .....	17,031	17,658	24,971	15,213	16.99	12.59	15.81	20.00	1.83	1.40	1.52	1.78
Energy Management and Control System (EMCS) For Lighting .....	Q	1,975	2,339	2,284	Q	12.21	15.81	21.09	Q	1.53	1.59	1.95
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>a</sup></b>												
Heating .....	15,363	12,897	19,642	12,391	16.67	12.79	16.41	20.20	1.61	1.18	1.34	1.62
Cooling .....	15,068	12,931	21,644	13,228	17.06	12.90	16.53	20.39	1.71	1.24	1.34	1.69
Lighting .....	12,402	16,515	21,641	11,755	17.14	13.11	17.18	20.43	1.42	1.28	1.26	1.42
Office Equipment .....	5,758	6,293	7,457	4,407	16.24	12.68	18.58	20.66	1.35	1.16	1.16	1.34

CONTINUED

**Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings*</b> .....	21,344	21,521	31,595	18,118	16.79	12.74	16.22	19.88	1.65	1.26	1.35	1.60

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

\* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet. In the 1999 CBECS, malls represented 6.6 percent of total consumption.

<sup>a</sup> The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences.

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

N=No responding cases in sample.

Notes: • Statistics for the "Energy End Uses" category represent total consumption in buildings that have the end use, not consumption specifically for that particular end use. • HVAC = Heating, Ventilation, and Air Conditioning. • Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.