

Table C14A. Electricity Consumption and Expenditure Intensities for All Buildings, 2003

	Electricity Consumption					Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	Distribution of Building-Level Intensities (kWh/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
			25th Per-centile	Median	75th Per-centile			
All Buildings	226	14.9	3.8	8.8	18.1	17.9	1.18	0.079
Building Floorspace (Square Feet)								
1,001 to 5,000	48	17.8	3.8	9.0	20.0	4.4	1.63	0.092
5,001 to 10,000	96	12.9	4.0	8.2	15.5	9.2	1.23	0.096
10,001 to 25,000	178	11.4	3.1	7.2	15.0	15.2	0.97	0.086
25,001 to 50,000	459	12.8	4.4	9.6	16.9	36.2	1.01	0.079
50,001 to 100,000	1,049	14.9	5.2	11.4	20.7	80.1	1.14	0.076
100,001 to 200,000	2,344	16.9	6.1	15.8	24.3	163.1	1.18	0.070
200,001 to 500,000	4,374	15.2	6.1	13.2	20.6	307.6	1.07	0.070
Over 500,000	17,978	19.2	11.5	18.0	23.4	1366.9	1.46	0.076
Principal Building Activity								
Education	283	11.0	4.9	8.9	13.6	21.1	0.82	0.075
Food Sales	276	49.4	33.4	48.0	77.0	20.9	3.74	0.076
Food Service	213	38.4	18.8	37.4	70.3	17.4	3.13	0.082
Health Care	564	22.9	6.1	12.0	18.4	37.9	1.54	0.067
Inpatient	6,628	27.5	21.8	24.0	35.6	405.3	1.68	0.061
Outpatient	168	16.1	5.8	11.3	16.5	13.9	1.34	0.083
Lodging	483	13.5	6.7	11.9	17.7	37.1	1.04	0.077
Mercantile	327	19.2	6.1	12.7	21.9	28.8	1.69	0.088
Retail (Other Than Mall)	139	14.3	4.3	9.4	18.4	11.6	1.19	0.083
Enclosed and Strip Malls	718	22.3	12.7	18.0	25.4	64.4	2.00	0.090
Office	256	17.3	6.5	11.5	17.6	20.7	1.40	0.081
Public Assembly	179	12.5	2.2	5.1	11.3	14.4	1.00	0.080
Public Order and Safety	237	15.3	4.0	7.9	17.6	17.2	1.12	0.073
Religious Worship	49	4.9	1.9	3.5	6.0	4.4	0.43	0.089
Service	73	11.0	3.0	6.3	11.8	5.8	0.88	0.080
Warehouse and Storage	154	7.6	1.4	3.1	6.2	10.8	0.53	0.070
Other	510	22.5	3.5	7.2	20.3	40.0	1.76	0.078
Vacant	42	2.4	0.4	1.7	3.8	3.9	0.22	0.092
Year Constructed								
Before 1920	83	7.1	1.7	3.9	9.6	7.3	0.62	0.088
1920 to 1945	124	9.4	3.3	7.1	14.1	10.6	0.80	0.085
1946 to 1959	131	10.2	3.1	6.6	14.6	11.2	0.88	0.086
1960 to 1969	178	12.3	3.5	7.9	15.3	14.6	1.00	0.082
1970 to 1979	268	16.7	4.7	10.2	21.7	20.8	1.30	0.078
1980 to 1989	317	18.8	5.1	11.2	21.6	25.0	1.49	0.079
1990 to 1999	284	17.6	5.1	11.1	24.0	21.8	1.35	0.077
2000 to 2003	327	16.9	3.2	8.5	18.4	25.0	1.29	0.076
Census Region and Division								
Northeast	231	12.4	2.5	6.6	15.4	22.7	1.22	0.098
New England	167	12.0	1.8	5.4	14.0	16.8	1.21	0.101
Middle Atlantic	262	12.5	3.0	7.5	17.6	25.6	1.22	0.098
Midwest	191	13.2	3.6	8.1	16.2	12.8	0.88	0.067
East North Central	244	13.8	4.3	8.7	19.2	16.7	0.94	0.068
West North Central	123	12.0	3.0	7.2	13.6	7.8	0.76	0.063
South	258	17.4	4.2	10.0	20.3	18.2	1.22	0.070
South Atlantic	286	18.3	4.4	10.6	20.6	19.9	1.28	0.070
East South Central	177	16.2	3.8	8.9	20.0	11.9	1.09	0.068
West South Central	261	16.3	4.1	10.0	21.3	19.0	1.19	0.073
West	207	14.7	4.1	9.5	16.4	20.6	1.46	0.099
Mountain	224	16.3	4.3	9.2	15.9	17.2	1.25	0.077
Pacific	199	14.0	3.9	9.7	16.7	22.3	1.57	0.112

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			25th Per-centile	Median	75th Per-centile			
All Buildings	226	14.9	3.8	8.8	18.1	17.9	1.18	0.079
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	164	12.1	2.9	7.6	15.7	12.5	0.93	0.076
5,500-7,000 HDD	215	13.7	3.4	7.9	15.8	16.2	1.03	0.075
4,000-5,499 HDD	282	15.3	4.1	9.3	18.5	23.1	1.25	0.082
Fewer than 4,000 HDD	208	15.3	3.9	8.8	17.1	17.6	1.29	0.085
2,000 CDD or More and --								
Fewer than 4,000 HDD	300	18.5	5.3	13.0	24.0	23.2	1.43	0.077
Number of Establishments								
One	174	14.1	3.7	8.3	18.2	13.5	1.09	0.077
2 to 5	239	14.4	4.5	10.1	16.7	19.1	1.15	0.080
6 to 10	573	20.0	10.1	16.4	23.8	47.6	1.66	0.083
11 to 20	1,358	18.9	14.2	18.5	24.6	116.1	1.62	0.086
More than 20	4,605	20.3	7.0	17.4	23.4	390.3	1.72	0.085
Currently Unoccupied	32	1.8	0.4	1.5	3.4	3.0	0.17	0.096
Energy Sources (more than one may apply)								
Electricity	226	14.9	3.8	8.8	18.1	17.9	1.18	0.079
Natural Gas	293	15.3	4.5	9.5	19.1	22.9	1.20	0.078
Fuel Oil	593	16.9	2.3	5.8	15.2	44.9	1.28	0.076
District Heat	1,504	18.1	6.4	12.6	20.7	101.1	1.22	0.067
Energy End Uses (more than one may apply)								
Buildings with Space Heating	241	15.2	4.3	9.2	18.5	18.9	1.19	0.078
Buildings with Cooling	264	15.9	5.1	10.5	20.0	20.9	1.26	0.079
Buildings with Water Heating	271	15.8	4.8	10.2	19.9	21.4	1.25	0.079
Annual Consumption (kilowatthours)								
10,000 or Less	5	1.3	1.0	1.9	3.2	0.6	0.17	0.124
10,001 to 50,000	26	4.9	3.8	6.9	11.7	2.7	0.51	0.104
50,001 to 100,000	73	8.1	6.6	11.6	21.8	7.2	0.80	0.098
100,001 to 500,000	224	13.5	10.7	18.9	36.5	19.6	1.18	0.087
500,001 to 1,000,000	680	15.0	12.5	17.7	30.0	56.0	1.23	0.082
1,000,001 to 5,000,000	2,144	21.4	16.6	24.0	36.1	154.1	1.53	0.072
Over 5,000,000	11,864	24.0	19.8	27.3	35.7	846.2	1.71	0.071

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>.

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 that use electricity.

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. • 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.