

Table E6A. Electricity Consumption (kWh) Intensities by End Use for All Buildings, 2003

	Electricity Energy Intensity (kWh/square foot)										
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Computers	Other
All Buildings	14.9	0.7	2.0	1.8	0.4	5.6	0.1	1.6	0.3	0.7	1.7
Building Floorspace (Square Feet)											
1,001 to 5,000	17.8	0.9	2.0	0.8	0.5	4.4	0.3	6.2	0.4	0.5	1.8
5,001 to 10,000	12.9	0.8	1.7	0.8	0.3	4.2	0.2	2.5	0.3	0.4	1.7
10,001 to 25,000	11.4	0.6	1.3	1.2	0.3	4.3	0.1	1.3	0.2	0.5	1.5
25,001 to 50,000	12.8	0.6	2.0	1.8	0.4	4.5	0.1	1.2	0.2	0.6	1.5
50,001 to 100,000	14.9	0.8	2.2	2.2	0.4	5.8	0.1	1.0	0.2	0.6	1.7
100,001 to 200,000	16.9	0.7	2.4	2.6	0.3	6.7	(*)	0.9	0.4	0.9	2.0
200,001 to 500,000	15.2	0.4	2.2	2.2	0.2	6.8	0.1	0.4	0.3	0.8	1.8
Over 500,000	19.2	0.9	2.6	2.6	0.4	8.4	0.1	0.7	0.3	0.9	2.1
Principal Building Activity											
Education	11.0	0.5	2.2	2.5	0.3	3.4	(*)	0.5	0.1	1.0	0.6
Food Sales	49.4	1.5	2.9	1.8	Q	10.9	0.6	28.2	0.5	0.4	2.4
Food Service	38.4	1.8	5.0	4.3	1.8	7.5	2.4	12.3	0.3	0.3	2.6
Health Care	22.9	0.5	3.1	3.9	0.2	9.7	0.1	0.8	0.3	0.9	3.3
Inpatient	27.5	0.5	3.8	5.9	0.3	11.7	0.1	0.6	0.3	1.0	3.2
Outpatient	16.1	0.7	2.1	1.0	0.1	6.6	(*)	1.0	0.4	0.8	3.5
Lodging	13.5	0.8	1.4	0.8	0.7	7.1	0.1	0.7	Q	0.4	1.4
Mercantile	19.2	1.5	2.9	1.8	1.0	8.1	0.1	1.3	0.2	0.3	2.2
Retail (Other Than Mall)	14.3	0.4	1.7	1.1	0.1	7.5	(*)	1.5	0.2	0.3	1.5
Enclosed and Strip Malls	22.3	2.2	3.6	2.2	1.5	8.4	0.1	1.2	0.2	0.3	2.6
Office	17.3	0.8	2.4	1.5	0.2	6.8	(*)	0.8	0.8	1.8	2.2
Public Assembly	12.5	0.4	2.6	4.7	(*)	2.0	(*)	0.7	Q	0.2	1.7
Public Order and Safety	15.3	0.5	2.1	2.8	0.9	4.8	(*)	0.9	0.2	0.4	2.7
Religious Worship	4.9	0.2	0.8	0.4	(*)	1.3	(*)	0.5	(*)	0.1	1.4
Service	11.0	0.4	1.1	1.8	(*)	4.6	Q	0.6	0.1	0.2	2.1
Warehouse and Storage	7.6	0.2	0.4	0.6	0.1	4.1	Q	1.1	0.1	0.1	0.9
Other	22.5	0.4	2.7	1.8	0.1	10.1	Q	1.8	Q	0.9	3.7
Vacant	2.4	0.1	0.2	0.2	Q	0.7	Q	0.1	Q	(*)	1.1
Year Constructed											
Before 1920	7.1	0.2	0.5	0.9	Q	2.7	0.1	1.3	0.2	0.3	0.9
1920 to 1945	9.4	0.2	0.7	1.3	0.1	4.0	0.1	1.1	0.1	0.4	1.3
1946 to 1959	10.2	0.4	1.2	1.5	0.2	3.9	0.1	1.1	0.2	0.5	1.2
1960 to 1969	12.3	0.5	1.6	1.8	0.3	4.3	(*)	1.4	0.2	0.6	1.5
1970 to 1979	16.7	1.0	2.2	2.1	0.4	6.4	0.1	1.6	0.3	0.7	2.0
1980 to 1989	18.8	1.0	2.8	2.0	0.6	7.1	0.1	1.8	0.4	0.9	2.2
1990 to 1999	17.6	0.8	2.6	2.2	0.5	6.3	0.1	2.0	0.4	0.8	2.0
2000 to 2003	16.9	0.8	2.6	1.8	0.4	6.6	0.1	2.0	0.2	0.5	1.9
Census Region and Division											
Northeast	12.4	0.7	0.9	1.6	0.3	5.0	0.1	1.3	0.3	0.7	1.5
New England	12.0	0.8	0.7	1.3	0.4	4.7	0.1	1.8	0.2	0.6	1.4
Middle Atlantic	12.5	0.7	1.0	1.7	0.2	5.1	(*)	1.2	0.3	0.7	1.6
Midwest	13.2	0.9	0.9	1.8	0.2	5.2	0.1	1.5	0.3	0.6	1.7
East North Central	13.8	0.8	0.9	2.0	0.2	5.5	0.1	1.5	0.3	0.7	1.8
West North Central	12.0	1.1	1.0	1.4	0.3	4.4	0.1	1.6	0.2	0.5	1.5
South	17.4	0.6	3.4	2.0	0.5	6.1	0.1	1.9	0.2	0.7	1.8
South Atlantic	18.3	0.7	3.3	2.1	0.6	6.6	0.2	2.0	0.3	0.8	1.9
East South Central	16.2	0.7	2.2	2.0	0.4	6.0	Q	2.1	0.2	0.5	2.0
West South Central	16.3	0.4	4.0	1.8	0.4	5.4	0.1	1.6	0.2	0.5	1.8
West	14.7	0.7	1.9	1.7	0.3	5.7	0.1	1.4	0.5	0.7	1.8
Mountain	16.3	0.9	2.2	1.9	0.3	6.6	0.1	1.4	Q	0.6	1.9
Pacific	14.0	0.6	1.8	1.6	0.3	5.3	0.1	1.4	0.5	0.7	1.8

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	Electricity Energy Intensity (kWh/square foot)										
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Computers	Other
All Buildings	14.9	0.7	2.0	1.8	0.4	5.6	0.1	1.6	0.3	0.7	1.7
Climate Zone: 30-Year Average											
Under 2,000 CDD and --											
More than 7,000 HDD	12.1	0.9	0.7	1.7	0.2	4.7	0.1	1.6	0.2	0.5	1.5
5,500-7,000 HDD	13.7	0.9	1.0	1.7	0.3	5.6	0.1	1.5	0.3	0.6	1.7
4,000-5,499 HDD	15.3	0.8	1.6	1.8	0.3	6.1	0.1	1.5	0.5	0.8	1.8
Fewer than 4,000 HDD	15.3	0.5	2.3	1.8	0.5	5.7	0.1	1.7	0.3	0.6	1.8
2,000 CDD or More and --											
Fewer than 4,000 HDD	18.5	0.3	5.1	2.0	0.6	5.9	0.1	1.6	0.2	0.8	1.9
Number of Establishments											
One	14.1	0.5	1.8	1.8	0.3	5.2	0.1	1.9	0.3	0.6	1.6
2 to 5	14.4	0.6	1.9	1.7	0.3	5.7	0.1	1.3	0.3	0.6	1.8
6 to 10	20.0	1.4	2.6	2.2	0.8	7.8	(*)	1.0	0.4	1.6	2.3
11 to 20	18.9	1.4	3.1	2.2	0.8	7.1	(*)	1.0	0.3	0.7	2.4
More than 20	20.3	1.4	3.6	2.3	0.8	7.6	0.1	0.8	0.4	1.0	2.3
Currently Unoccupied	1.8	Q	Q	(*)	Q	0.5	Q	Q	Q	Q	0.9
Energy Sources (more than one may apply)											
Electricity	14.9	0.7	2.0	1.8	0.4	5.6	0.1	1.6	0.3	0.7	1.7
Natural Gas	15.3	0.6	2.0	2.0	0.3	6.0	0.1	1.6	0.3	0.7	1.8
Fuel Oil	16.9	0.7	2.2	2.3	0.3	7.0	0.1	0.8	0.5	0.9	2.0
District Heat	18.1	0.3	1.3	3.7	0.2	7.9	(*)	0.7	0.2	1.5	2.3
Energy End Uses (more than one may apply)											
Buildings with Space Heating	15.2	0.7	2.0	1.9	0.4	5.7	0.1	1.6	0.3	0.7	1.8
Buildings with Cooling	15.9	0.8	2.2	1.9	0.4	5.9	0.1	1.7	0.3	0.7	1.8
Buildings with Water Heating	15.8	0.7	2.1	1.9	0.4	5.9	0.1	1.7	0.3	0.7	1.8
Annual Consumption (kilowatthours)											
10,000 or Less	1.3	(*)	0.1	0.1	(*)	0.4	(*)	0.2	(*)	(*)	0.4
10,001 to 50,000	4.9	0.2	0.6	0.3	0.1	1.8	(*)	0.7	0.1	0.2	0.9
50,001 to 100,000	8.1	0.4	1.0	0.6	0.2	2.6	0.1	1.6	0.2	0.3	1.2
100,001 to 500,000	13.5	0.8	1.6	1.3	0.4	4.5	0.2	2.5	0.2	0.5	1.6
500,001 to 1,000,000	15.0	0.7	2.3	1.9	0.5	5.3	0.1	1.8	0.2	0.5	1.5
1,000,001 to 5,000,000	21.4	1.0	3.0	3.2	0.5	8.0	0.1	1.7	0.4	1.1	2.3
Over 5,000,000	24.0	0.9	3.4	3.1	0.5	10.6	0.1	1.0	0.6	1.2	2.7

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>.

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

Q=Data withheld because fewer than 20 buildings were sampled for any cell, or because the Relative Standard Error (RSE) was greater than 50 percent for a cell in the "Total" column.

Note: Due to rounding, data may not sum to totals.

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