

Table E4A. Electricity Consumption (Btu) Intensities by End Use for All Buildings, 2003

	Electricity Energy Intensity (thousand Btu/square foot)										
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Computers	Other
All Buildings	50.7	2.4	6.9	6.2	1.3	19.1	0.3	5.4	1.0	2.2	6.0
Building Floorspace (Square Feet)											
1,001 to 5,000	60.6	2.9	6.8	2.8	1.7	14.8	1.1	21.2	1.2	1.8	6.0
5,001 to 10,000	44.0	2.6	5.7	2.8	1.1	14.3	0.7	8.6	0.9	1.4	5.8
10,001 to 25,000	38.8	2.1	4.4	4.1	1.1	14.7	0.2	4.5	0.8	1.6	5.1
25,001 to 50,000	43.7	2.0	6.8	6.1	1.3	15.4	0.2	4.0	0.8	1.9	5.3
50,001 to 100,000	50.9	2.7	7.5	7.6	1.4	19.6	0.3	3.4	0.7	2.0	5.8
100,001 to 200,000	57.7	2.3	8.0	8.9	1.1	23.0	0.1	2.9	1.3	3.2	6.7
200,001 to 500,000	51.8	1.5	7.4	7.5	0.8	23.0	0.2	1.3	1.1	2.7	6.2
Over 500,000	65.4	3.0	9.0	8.8	1.5	28.7	0.3	2.4	1.2	3.2	7.3
Principal Building Activity											
Education	37.6	1.5	7.5	8.4	1.1	11.5	0.2	1.6	0.4	3.3	2.1
Food Sales	168.5	5.1	9.9	6.0	Q	37.2	1.9	96.1	1.6	1.5	8.1
Food Service	130.9	6.3	17.0	14.8	6.3	25.4	8.1	42.1	1.0	1.0	8.9
Health Care	78.3	1.9	10.6	13.3	0.8	33.1	0.2	2.6	1.2	3.2	11.3
Inpatient	93.7	1.6	13.0	20.0	1.1	40.1	0.4	2.0	1.1	3.6	10.9
Outpatient	55.0	2.3	7.0	3.3	0.3	22.6	0.1	3.5	1.3	2.6	12.0
Lodging	46.1	2.8	4.7	2.7	2.3	24.3	0.4	2.3	Q	1.2	4.7
Mercantile	65.5	5.2	9.7	6.0	3.4	27.5	0.2	4.4	0.7	1.0	7.4
Retail (Other Than Mall)	48.8	1.5	5.9	3.7	0.4	25.7	0.1	5.0	0.6	0.9	5.1
Enclosed and Strip Malls	76.0	7.5	12.2	7.5	5.2	28.6	0.3	4.0	0.8	1.1	8.8
Office	58.9	2.7	8.3	5.2	0.6	23.1	0.1	2.9	2.6	6.1	7.5
Public Assembly	42.6	1.3	8.9	15.9	0.1	7.0	0.1	2.2	Q	0.8	5.8
Public Order and Safety	52.3	1.6	7.2	9.5	3.0	16.5	0.1	2.9	0.6	1.5	9.2
Religious Worship	16.6	0.8	2.8	1.4	0.1	4.4	0.1	1.7	0.1	0.2	4.9
Service	37.5	1.4	3.8	6.1	0.1	15.8	Q	2.2	0.3	0.8	7.0
Warehouse and Storage	25.9	0.5	1.4	2.2	0.2	14.0	Q	3.8	0.2	0.5	3.2
Other	76.8	1.4	9.3	6.1	0.3	34.3	Q	6.0	Q	2.9	12.6
Vacant	8.3	0.5	0.8	0.5	Q	2.4	Q	0.2	Q	0.1	3.7
Year Constructed											
Before 1920	24.2	0.5	1.7	2.9	Q	9.2	0.3	4.5	0.6	0.9	3.2
1920 to 1945	32.1	0.7	2.5	4.5	0.4	13.8	0.2	3.9	0.4	1.2	4.6
1946 to 1959	35.0	1.5	4.0	5.1	0.8	13.3	0.3	3.8	0.6	1.6	4.2
1960 to 1969	41.8	1.6	5.4	6.2	0.9	14.8	0.1	4.8	0.8	2.2	5.0
1970 to 1979	57.1	3.3	7.4	7.1	1.5	22.0	0.3	5.3	1.1	2.4	6.7
1980 to 1989	64.2	3.4	9.6	6.7	2.0	24.2	0.4	6.0	1.4	3.2	7.4
1990 to 1999	60.1	2.7	9.0	7.3	1.6	21.4	0.5	6.7	1.3	2.7	6.8
2000 to 2003	57.6	2.9	8.9	6.2	1.2	22.5	0.5	6.7	0.7	1.6	6.3
Census Region and Division											
Northeast	42.2	2.4	3.1	5.5	0.9	17.2	0.2	4.5	0.9	2.3	5.3
New England	41.1	2.9	2.4	4.5	1.3	16.1	0.3	6.1	0.7	2.0	4.9
Middle Atlantic	42.6	2.2	3.4	5.8	0.7	17.5	0.1	4.0	1.0	2.4	5.4
Midwest	45.1	3.0	3.2	6.2	0.9	17.7	0.3	5.2	0.9	2.0	5.8
East North Central	47.0	2.7	3.1	6.8	0.8	18.9	0.3	5.1	1.0	2.2	6.1
West North Central	40.8	3.6	3.4	4.8	0.9	15.0	0.2	5.4	0.7	1.6	5.1
South	59.3	2.0	11.5	6.9	1.8	20.9	0.5	6.4	0.8	2.2	6.3
South Atlantic	62.5	2.2	11.1	7.2	2.1	22.5	0.6	6.9	0.9	2.7	6.4
East South Central	55.2	2.4	7.5	6.9	1.5	20.4	Q	7.1	0.6	1.6	6.8
West South Central	55.7	1.3	13.7	6.3	1.5	18.5	0.4	5.5	0.7	1.7	6.0
West	50.3	2.3	6.5	5.7	1.1	19.5	0.3	4.7	1.6	2.4	6.2
Mountain	55.7	3.1	7.3	6.5	1.1	22.6	0.2	4.8	Q	2.2	6.4
Pacific	47.7	2.0	6.1	5.4	1.1	18.0	0.3	4.6	1.7	2.5	6.0

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	Electricity Energy Intensity (thousand Btu/square foot)										
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Computers	Other
All Buildings	50.7	2.4	6.9	6.2	1.3	19.1	0.3	5.4	1.0	2.2	6.0
Climate Zone: 30-Year Average											
Under 2,000 CDD and --											
More than 7,000 HDD	41.4	3.1	2.3	5.9	0.8	16.0	0.2	5.5	0.8	1.6	5.3
5,500-7,000 HDD	46.8	3.1	3.4	5.9	1.0	19.0	0.3	5.1	0.9	2.2	5.9
4,000-5,499 HDD	52.1	2.9	5.3	6.2	1.1	20.9	0.3	5.3	1.5	2.6	6.0
Fewer than 4,000 HDD	52.1	1.5	8.0	6.3	1.6	19.4	0.4	5.9	0.9	2.1	6.1
2,000 CDD or More and --											
Fewer than 4,000 HDD	63.3	1.2	17.5	7.0	1.9	20.1	0.5	5.4	0.8	2.7	6.4
Number of Establishments											
One	48.2	1.8	6.1	6.1	1.0	17.8	0.4	6.5	0.9	2.0	5.5
2 to 5	49.2	2.2	6.4	5.9	1.1	19.6	0.2	4.4	1.1	2.1	6.2
6 to 10	68.3	4.6	8.9	7.5	2.8	26.6	0.2	3.3	1.2	5.3	8.0
11 to 20	64.5	4.8	10.6	7.5	2.6	24.3	0.1	3.3	1.0	2.4	8.1
More than 20	69.1	4.9	12.4	7.8	2.7	26.0	0.3	2.7	1.3	3.4	7.8
Currently Unoccupied	6.2	Q	Q	0.2	Q	1.7	Q	Q	Q	Q	3.1
Energy Sources (more than one may apply)											
Electricity	50.7	2.4	6.9	6.2	1.3	19.1	0.3	5.4	1.0	2.2	6.0
Natural Gas	52.3	2.1	6.7	6.9	1.1	20.4	0.4	5.3	1.0	2.4	6.2
Fuel Oil	57.7	2.4	7.5	8.0	1.1	23.9	0.3	2.9	1.5	3.2	6.8
District Heat	61.8	0.9	4.5	12.6	0.7	26.9	0.2	2.2	0.8	5.3	7.7
Energy End Uses (more than one may apply)											
Buildings with Space Heating	51.7	2.5	6.8	6.4	1.3	19.5	0.3	5.4	1.0	2.3	6.1
Buildings with Cooling	54.2	2.6	7.6	6.6	1.4	20.2	0.4	5.8	1.1	2.4	6.2
Buildings with Water Heating	53.8	2.5	7.3	6.6	1.4	20.1	0.4	5.8	1.1	2.4	6.2
Annual Consumption (kilowatthours)											
10,000 or Less	4.6	0.1	0.4	0.3	(*)	1.5	(*)	0.7	(*)	0.1	1.4
10,001 to 50,000	16.7	0.8	2.1	1.1	0.3	6.0	(*)	2.4	0.4	0.5	3.1
50,001 to 100,000	27.8	1.4	3.5	2.1	0.6	9.0	0.2	5.3	0.6	0.9	4.2
100,001 to 500,000	46.1	2.6	5.4	4.5	1.3	15.3	0.6	8.6	0.8	1.6	5.3
500,001 to 1,000,000	51.0	2.2	7.8	6.6	1.7	18.2	0.5	6.1	0.8	1.9	5.3
1,000,001 to 5,000,000	72.8	3.5	10.4	10.8	1.9	27.4	0.3	5.7	1.2	3.7	8.0
Over 5,000,000	81.9	3.1	11.5	10.6	1.6	36.1	0.3	3.3	2.1	4.1	9.3

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.