

Table E2A. Major Fuel Consumption (Btu) Intensities by End Use for All Buildings, 2003

	Major Fuel Energy Intensity (thousand Btu/square foot)										
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Computers	Other
All Buildings	91.0	33.0	7.2	6.1	7.0	18.7	2.7	5.3	1.0	2.2	7.9
Building Floorspace (Square Feet)											
1,001 to 5,000	99.0	30.7	6.7	2.7	7.1	13.9	7.1	19.9	1.1	1.7	8.2
5,001 to 10,000	80.0	30.1	5.5	2.6	6.1	13.6	5.2	8.2	0.8	1.4	6.6
10,001 to 25,000	71.0	28.2	4.5	4.1	4.1	14.5	2.3	4.5	0.8	1.6	6.5
25,001 to 50,000	79.0	29.9	6.8	5.9	6.3	14.9	1.7	3.9	0.8	1.8	7.1
50,001 to 100,000	88.7	31.6	7.6	7.6	6.5	19.6	1.7	3.4	0.7	2.0	8.1
100,001 to 200,000	104.2	39.1	8.2	8.9	7.9	22.9	1.1	2.9	Q	3.2	8.7
200,001 to 500,000	100.2	38.2	7.8	7.4	9.2	22.7	1.8	1.3	1.1	2.6	8.2
Over 500,000	118.2	38.2	11.8	8.8	10.6	28.7	2.3	2.4	Q	3.2	11.1
Principal Building Activity											
Education	83.1	39.4	8.0	8.4	5.8	11.5	0.8	1.6	0.4	3.3	4.0
Food Sales	199.7	28.9	9.8	5.9	2.9	36.7	8.6	94.8	1.6	1.5	9.1
Food Service	258.3	43.1	17.4	14.8	40.4	25.4	63.5	42.1	1.0	1.0	9.5
Health Care	187.7	70.4	14.1	13.3	30.2	33.1	3.5	2.6	1.2	3.2	16.1
Inpatient	249.2	91.8	18.6	20.0	48.4	40.1	5.6	2.0	1.1	3.6	18.1
Outpatient	94.6	38.1	7.2	3.3	2.5	22.6	Q	3.5	1.3	2.6	13.2
Lodging	100.0	22.2	4.9	2.7	31.4	24.3	3.2	2.3	Q	1.2	7.0
Mercantile	91.3	24.0	9.9	6.0	5.1	27.5	2.3	4.4	0.7	1.0	10.3
Retail (Other Than Mall)	73.9	24.8	5.9	3.7	1.1	25.7	0.6	5.0	0.6	0.9	5.6
Enclosed and Strip Malls	102.2	23.6	12.4	7.5	7.7	28.6	3.4	4.0	0.8	1.1	13.2
Office	92.9	32.8	8.9	5.2	2.0	23.1	0.3	2.9	2.6	6.1	9.0
Public Assembly	93.9	49.7	9.6	15.9	1.0	7.0	0.8	2.2	Q	Q	6.5
Public Order and Safety	115.8	49.9	8.9	9.5	14.0	16.5	1.3	2.9	0.6	1.5	10.6
Religious Worship	43.5	26.2	2.9	1.4	0.8	4.4	0.8	1.7	0.1	0.2	4.9
Service	77.0	35.9	3.8	6.0	1.0	15.6	Q	2.1	0.3	0.8	11.4
Warehouse and Storage	45.2	19.3	1.3	2.0	0.6	13.1	Q	3.5	0.2	0.5	4.8
Other	164.4	79.4	10.5	6.1	2.1	34.1	Q	6.0	Q	2.9	18.9
Vacant	20.9	14.4	0.6	0.4	0.1	1.7	Q	Q	Q	0.0	3.1
Year Constructed											
Before 1920	80.2	47.7	1.8	2.9	4.4	9.1	4.4	4.4	0.5	0.9	3.9
1920 to 1945	90.4	45.5	3.8	4.4	6.2	13.2	2.9	3.7	0.4	1.2	9.1
1946 to 1959	80.9	39.1	4.5	4.9	6.3	12.9	1.9	3.7	0.6	1.5	5.7
1960 to 1969	91.5	40.8	5.6	6.1	7.8	14.7	1.7	4.8	0.8	2.2	6.9
1970 to 1979	97.0	32.3	7.9	7.0	8.3	21.6	2.6	5.2	1.1	2.3	8.6
1980 to 1989	100.0	28.8	9.8	6.6	8.2	23.9	2.7	6.0	1.3	3.1	9.6
1990 to 1999	90.2	25.2	9.2	7.2	6.0	21.0	2.9	6.5	1.3	2.6	8.4
2000 to 2003	81.6	19.4	8.8	5.9	6.3	21.7	3.3	6.5	0.7	1.6	7.4
Census Region and Division											
Northeast	99.8	48.2	3.9	5.4	6.7	17.1	2.7	4.5	0.9	2.3	8.1
New England	99.8	53.9	3.0	4.5	5.8	16.0	1.9	6.0	0.7	2.0	6.0
Middle Atlantic	99.7	46.3	4.2	5.7	7.0	17.4	3.0	4.0	1.0	2.4	8.7
Midwest	99.4	48.3	3.7	6.0	5.9	17.3	2.1	5.1	0.9	2.0	8.1
East North Central	108.1	54.4	3.7	6.7	6.2	18.5	2.2	5.0	1.0	2.2	8.2
West North Central	80.2	34.8	3.8	4.6	5.3	14.6	1.8	5.3	0.6	1.6	7.8
South	84.7	19.4	11.5	6.7	7.1	20.3	3.1	6.3	0.8	2.2	7.4
South Atlantic	88.7	19.9	11.6	7.1	7.1	22.2	2.9	6.8	0.9	2.7	7.6
East South Central	91.4	30.3	7.2	6.6	8.6	19.5	2.7	6.8	0.6	1.5	7.6
West South Central	75.8	14.2	13.2	6.0	6.5	17.7	3.5	5.2	0.7	1.7	7.1
West	82.9	23.2	6.7	5.6	8.5	19.1	2.6	4.6	1.6	2.3	8.8
Mountain	106.1	39.8	7.4	6.4	9.7	22.4	1.8	4.8	Q	2.1	10.2
Pacific	71.6	15.2	6.4	5.2	7.9	17.5	2.9	4.5	Q	2.4	8.0

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	Major Fuel Energy Intensity (thousand Btu/square foot)										
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Computers	Other
All Buildings	91.0	33.0	7.2	6.1	7.0	18.7	2.7	5.3	1.0	2.2	7.9
Climate Zone: 30-Year Average											
Under 2,000 CDD and --											
More than 7,000 HDD	94.2	48.1	2.4	5.7	5.8	15.6	1.9	5.4	0.8	1.6	6.9
5,500-7,000 HDD	102.6	48.5	4.0	5.8	6.8	18.7	2.5	5.0	0.9	2.2	8.2
4,000-5,499 HDD	99.4	37.0	6.3	6.1	7.6	20.7	3.0	5.2	1.5	2.6	9.4
Fewer than 4,000 HDD	78.6	18.6	8.1	6.1	7.6	18.7	3.0	5.7	0.9	2.0	7.9
2,000 CDD or More and --											
Fewer than 4,000 HDD	78.6	9.5	17.3	6.8	6.9	19.5	2.9	5.3	0.8	2.6	7.0
Number of Establishments											
One	92.3	34.6	6.4	6.0	8.0	17.5	3.1	6.4	0.9	1.9	7.4
2 to 5	92.4	36.6	6.6	5.9	6.0	19.5	2.1	4.4	1.1	2.1	8.1
6 to 10	112.6	40.1	9.4	7.5	5.7	26.6	2.5	3.3	1.2	5.3	11.1
11 to 20	91.1	24.3	11.0	7.5	5.1	24.3	2.0	3.3	1.0	2.4	10.2
More than 20	93.4	19.4	14.6	7.8	5.4	26.0	1.7	2.7	1.3	3.4	11.2
Currently Unoccupied	17.2	12.8	Q	0.1	(*)	1.2	Q	Q	Q	Q	2.3
Energy Sources (more than one may apply)											
Electricity	92.9	33.7	7.4	6.2	7.1	19.1	2.7	5.4	1.0	2.2	8.1
Natural Gas	104.0	38.7	7.3	6.9	9.0	20.4	3.8	5.3	1.0	2.4	9.2
Fuel Oil	114.8	42.0	8.7	8.0	12.5	23.9	2.2	2.9	1.5	3.2	9.8
District Heat	184.6	109.3	6.0	12.6	10.8	26.9	Q	2.2	0.8	5.3	8.9
Energy End Uses (more than one may apply)											
Buildings with Space Heating	95.9	35.6	7.3	6.4	7.4	19.5	2.8	5.4	1.0	2.3	8.1
Buildings with Cooling	96.7	33.7	8.1	6.6	7.5	20.2	2.9	5.8	1.1	2.4	8.4
Buildings with Water Heating	98.0	34.7	7.8	6.6	8.0	20.1	3.0	5.8	1.1	2.4	8.5

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/cbeecs>.

(*)=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.