

Table E9A. Fuel Oil Consumption (Btu) and Energy Intensities by End Use for All Buildings, 2003

	Total Fuel Oil Consumption (trillion Btu)					Fuel Oil Energy Intensity (thousand Btu/square foot)				
	Total	Space Heating	Water Heating	Cooking	Other	Total	Space Heating	Water Heating	Cooking	Other
All Buildings	228	198	18	Q	10	14.0	12.2	1.1	Q	0.6
Building Floorspace (Square Feet)										
1,001 to 5,000	34	32	Q	(*)	Q	56.9	52.2	Q	(*)	Q
5,001 to 10,000	36	33	Q	(*)	Q	49.4	44.7	Q	0.1	Q
10,001 to 25,000	28	25	1	(*)	Q	26.7	23.8	1.4	0.1	Q
25,001 to 50,000	17	16	Q	(*)	1	19.1	17.8	Q	(*)	0.6
50,001 to 100,000	29	26	1	Q	1	15.6	14.1	0.7	Q	0.5
100,001 to 200,000	37	35	Q	Q	1	12.5	11.5	Q	Q	0.5
200,001 to 500,000	36	25	Q	Q	2	10.5	7.4	2.4	Q	0.5
Over 500,000	10	Q	Q	Q	2	2.1	Q	Q	Q	0.4
Principal Building Activity										
Education	47	45	2	Q	Q	25.4	23.9	0.8	Q	0.3
Food Sales	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Food Service	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Health Care	11	6	2	Q	2	5.6	3.3	0.8	Q	1.3
Inpatient	9	5	2	Q	2	5.3	2.9	0.9	Q	1.4
Outpatient	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Lodging	35	25	Q	(*)	1	16.1	11.2	Q	0.2	0.3
Mercantile	21	Q	Q	(*)	Q	Q	Q	Q	Q	Q
Retail (Other Than Mall)	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Enclosed and Strip Malls	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Office	18	15	Q	Q	1	4.3	3.8	Q	Q	0.4
Public Assembly	29	28	Q	(*)	Q	30.7	29.7	Q	(*)	Q
Public Order and Safety	8	6	Q	(*)	Q	Q	Q	Q	Q	Q
Religious Worship	18	18	Q	(*)	Q	39.8	39.3	Q	(*)	Q
Service	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Warehouse and Storage	9	Q	Q	(*)	Q	7.3	6.3	Q	0.1	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Year Constructed										
Before 1920	38	35	Q	(*)	Q	39.3	36.4	Q	0.2	Q
1920 to 1945	55	45	9	Q	(*)	27.2	22.3	4.7	Q	0.1
1946 to 1959	48	45	Q	(*)	Q	22.8	21.3	Q	(*)	Q
1960 to 1969	Q	Q	Q	Q	Q	21.7	19.7	Q	Q	0.7
1970 to 1979	23	19	1	Q	2	9.5	8.1	0.6	Q	0.8
1980 to 1989	12	9	1	Q	2	3.5	2.7	0.2	Q	0.6
1990 to 1999	9	6	Q	Q	2	3.9	2.8	Q	Q	0.9
2000 to 2003	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Census Region and Division										
Northeast	181	160	15	Q	4	27.9	24.7	2.4	Q	0.7
New England	74	68	5	(*)	1	41.3	38.2	2.8	0.1	Q
Middle Atlantic	107	92	Q	Q	4	22.8	19.6	Q	Q	0.8
Midwest	24	Q	1	Q	1	8.2	7.5	0.2	Q	0.5
East North Central	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
West North Central	Q	Q	Q	Q	Q	13.5	12.1	0.5	0.1	Q
South	15	10	Q	Q	4	3.2	2.2	Q	Q	0.8
South Atlantic	13	10	Q	Q	3	4.5	3.2	Q	Q	1.0
East South Central	1	(*)	(*)	(*)	(*)	2.7	1.2	(*)	1.0	0.5
West South Central	1	(*)	Q	(*)	(*)	0.5	0.2	Q	(*)	0.3
West	9	Q	Q	Q	1	Q	Q	Q	Q	Q
Mountain	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Pacific	4	2	Q	(*)	1	2.6	1.3	Q	(*)	0.4

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	Total Fuel Oil Consumption (trillion Btu)					Fuel Oil Energy Intensity (thousand Btu/square foot)				
	Total	Space Heating	Water Heating	Cooking	Other	Total	Space Heating	Water Heating	Cooking	Other
All Buildings	228	198	18	Q	10	14.0	12.2	1.1	Q	0.6
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	63	59	2	Q	2	23.9	22.4	0.7	Q	0.7
5,500-7,000 HDD	67	61	4	Q	2	15.7	14.2	1.0	Q	0.4
4,000-5,499 HDD	91	76	Q	Q	4	18.4	15.3	Q	Q	0.7
Fewer than 4,000 HDD	6	2	Q	Q	2	2.4	0.9	Q	Q	0.9
2,000 CDD or More and --										
Fewer than 4,000 HDD	1	Q	Q	(*)	1	0.5	0.2	Q	(*)	0.3
Number of Establishments										
One	183	161	14	Q	7	19.8	17.5	1.5	Q	0.7
2 to 5	31	26	3	(*)	2	10.9	9.1	1.0	(*)	0.8
6 to 10	7	6	Q	Q	(*)	10.2	8.5	Q	Q	0.4
11 to 20	Q	Q	Q	Q	Q	2.9	Q	Q	(*)	Q
More than 20	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Currently Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Energy Sources (more than one may apply)										
Electricity	228	198	18	Q	10	14.0	12.2	1.1	Q	0.6
Natural Gas	101	83	10	Q	7	8.9	7.4	0.9	Q	0.6
Fuel Oil	228	198	18	Q	10	14.0	12.2	1.1	Q	0.6
District Heat	1	Q	Q	Q	1	0.7	Q	Q	Q	0.5
Energy End Uses (more than one may apply)										
Buildings with Space Heating	225	198	15	Q	10	14.0	12.4	1.0	Q	0.6
Buildings with Cooling	181	155	15	Q	9	12.1	10.4	1.0	Q	0.6
Buildings with Water Heating	218	189	18	Q	9	13.9	12.1	1.2	Q	0.6
Annual Consumption (gallons)										
1,000 or Less	14	10	Q	Q	3	1.5	1.1	Q	Q	0.3
1,001 to 5,000	45	39	Q	Q	3	14.5	12.6	Q	Q	1.0
5,001 to 10,000	29	25	Q	(*)	Q	31.0	26.4	Q	0.1	1.3
10,001 to 25,000	31	29	(*)	(*)	1	31.0	29.5	0.5	0.1	1.0
Over 25,000	110	95	12	Q	2	49.8	43.1	5.2	Q	0.9

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.