

**Table C11A. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for All Buildings, 2003**

	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)		
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
<b>All Buildings</b> .....	1,248	2,553	2,721	13,955	32,332	25,371	89.4	79.0	107.3
<b>Principal Building Activity</b>									
Education .....	63	423	334	808	5,378	3,687	78.3	78.6	90.7
Food Sales .....	144	Q	Q	765	467	Q	188.5	Q	Q
Food Service .....	318	108	Q	986	664	Q	322.9	163.2	Q
Health Care .....	32	104	457	445	835	1,883	71.8	125.1	242.9
Inpatient .....	N	Q	436	N	182	1,723	N	Q	252.9
Outpatient .....	32	66	Q	445	652	160	71.8	100.5	Q
Lodging .....	29	207	273	260	2,274	2,563	111.0	91.2	106.7
Mercantile .....	171	482	369	1,944	5,204	4,044	87.9	92.6	91.2
Retail (Other Than Mall) .....	110	137	72	1,363	2,133	821	80.9	64.1	87.8
Enclosed and Strip Malls .....	61	345	297	581	3,071	3,223	104.4	112.4	92.0
Office .....	171	412	551	2,320	4,602	5,286	73.5	89.5	104.2
Public Assembly .....	59	150	Q	854	1,851	1,233	69.5	80.8	Q
Public Order and Safety .....	22	Q	Q	231	390	Q	94.3	Q	Q
Religious Worship .....	54	100	Q	1,160	2,391	Q	46.5	41.8	Q
Service .....	120	144	Q	1,755	1,862	Q	68.4	77.2	Q
Warehouse and Storage .....	47	157	253	1,763	4,601	3,714	26.4	34.1	68.0
Other .....	Q	100	Q	215	601	922	Q	166.8	Q
Vacant .....	Q	Q	Q	447	1,211	909	Q	Q	Q
<b>Year Constructed</b>									
Before 1920 .....	78	163	Q	998	1,981	805	77.7	82.3	Q
1920 to 1945 .....	132	185	314	1,647	2,557	2,781	80.2	72.2	113.0
1946 to 1959 .....	118	229	241	1,556	3,347	2,359	75.6	68.5	102.1
1960 to 1969 .....	136	385	270	1,594	4,491	2,556	85.1	85.7	105.8
1970 to 1979 .....	228	457	506	2,458	5,516	4,301	92.6	82.9	117.6
1980 to 1989 .....	200	433	614	2,068	4,953	5,446	96.6	87.4	112.8
1990 to 1999 .....	284	485	492	2,607	6,647	4,726	109.0	73.0	104.1
2000 to 2003 .....	74	216	221	1,028	2,839	2,396	71.7	76.2	92.1
<b>Census Region and Division</b>									
Northeast .....	231	518	648	2,228	5,782	5,985	103.5	89.6	108.2
New England .....	76	158	111	752	1,630	1,071	100.9	96.9	103.4
Middle Atlantic .....	155	360	537	1,476	4,152	4,914	104.9	86.7	109.2
Midwest .....	335	744	719	3,584	8,405	6,115	93.5	88.6	117.6
East North Central .....	230	501	612	1,925	5,588	4,911	119.3	89.6	124.7
West North Central .....	105	244	107	1,659	2,816	1,204	63.5	86.5	88.8
South .....	452	857	956	5,462	12,392	8,885	82.7	69.2	107.6
South Atlantic .....	234	440	567	2,751	6,107	5,141	85.1	72.1	110.3
East South Central .....	63	178	99	967	2,155	597	65.7	82.6	165.0
West South Central .....	154	239	290	1,745	4,131	3,146	88.3	57.8	92.3
West .....	231	434	398	2,681	5,753	4,386	86.1	75.4	90.8
Mountain .....	84	196	167	931	1,993	1,282	89.8	98.2	130.1
Pacific .....	147	238	232	1,749	3,760	3,104	84.1	63.4	74.6
<b>Climate Zone: 30-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	253	478	356	2,561	5,433	3,534	98.7	87.9	100.6
5,500-7,000 HDD .....	324	771	834	3,434	8,711	6,662	94.4	88.5	125.1
4,000-5,499 HDD .....	181	454	609	2,087	4,890	5,525	86.6	92.7	110.1
Fewer than 4,000 HDD .....	326	509	551	3,939	7,909	5,782	82.9	64.3	95.3
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	164	342	373	1,933	5,388	3,868	84.9	63.6	96.4

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<b>All Buildings</b> .....	1,248	2,553	2,721	13,955	32,332	25,371	89.4	79.0	107.3
<b>Number of Establishments</b>									
One .....	1,035	1,657	1,474	10,917	21,123	13,104	94.8	78.5	112.5
2 to 5 .....	188	487	487	2,411	6,221	3,934	77.8	78.2	123.8
6 to 10 .....	Q	211	148	192	2,060	1,106	Q	102.2	133.7
11 to 20 .....	Q	147	159	Q	1,548	1,819	Q	95.3	87.6
More than 20 .....	Q	Q	431	Q	462	4,571	Q	Q	94.4
Currently Unoccupied .....	Q	Q	Q	405	918	838	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	1,248	2,553	2,721	13,124	31,858	25,200	95.1	80.1	108.0
Natural Gas .....	898	2,003	2,141	7,144	21,928	19,401	125.7	91.3	110.3
Fuel Oil .....	125	385	1,357	1,342	3,790	11,133	93.5	101.5	121.9
District Heat .....	Q	239	775	Q	1,232	4,244	Q	194.3	182.7
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	1,188	2,506	2,676	11,995	29,981	24,471	99.0	83.6	109.4
Buildings with Cooling .....	1,135	2,440	2,575	10,933	28,985	23,642	103.8	84.2	108.9
Buildings with Water Heating .....	1,146	2,453	2,559	10,566	28,569	23,692	108.5	85.9	108.0

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.

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.