

Table C12A. Consumption and Gross Energy Intensity by Year Constructed 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)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
All Buildings	1,522	3,228	1,772	18,031	33,384	20,243	84.4	96.7	87.6
Building Floorspace (Square Feet)									
1,001 to 5,000	193	300	193	2,168	2,904	1,850	89.0	103.2	104.2
5,001 to 10,000	134	263	165	2,032	3,217	1,784	66.0	81.9	92.5
10,001 to 25,000	241	432	226	3,273	5,679	3,707	73.6	76.1	60.9
25,001 to 50,000	181	370	191	2,517	4,518	2,347	71.8	81.8	81.5
50,001 to 100,000	156	473	285	2,095	4,763	3,433	74.3	99.3	82.9
100,001 to 200,000	219	523	323	2,161	4,706	3,350	101.1	111.1	96.5
200,001 to 500,000	221	371	160	2,179	3,623	1,692	101.4	102.3	94.3
Over 500,000	179	497	Q	1,606	3,974	2,080	111.2	125.0	Q
Principal Building Activity									
Education	248	385	187	3,191	4,359	2,324	77.6	88.4	80.6
Food Sales	Q	116	Q	277	587	391	Q	197.0	Q
Food Service	89	152	187	613	524	517	144.4	290.1	361.2
Health Care	130	361	103	730	1,671	762	177.7	215.8	135.7
Inpatient	Q	311	Q	456	1,218	231	Q	255.3	Q
Outpatient	Q	50	45	273	453	531	Q	109.6	84.4
Lodging	109	286	114	1,236	2,564	1,296	Q	111.7	88.1
Mercantile	110	549	362	1,372	5,983	3,836	80.4	91.8	94.4
Retail (Other Than Mall)	76	115	128	1,026	1,804	1,487	73.9	63.5	86.4
Enclosed and Strip Malls	Q	434	234	346	4,179	2,350	Q	103.9	99.5
Office	267	641	226	2,852	6,792	2,563	93.6	94.4	88.0
Public Assembly	90	156	124	1,455	1,450	1,035	62.0	107.6	119.7
Public Order and Safety	Q	39	Q	Q	385	453	Q	101.3	Q
Religious Worship	71	53	39	1,522	1,328	904	46.6	39.9	43.3
Service	66	168	78	1,057	1,954	1,040	62.8	85.9	74.8
Warehouse and Storage	166	156	134	2,029	4,014	4,034	81.6	38.8	33.3
Other	Q	142	Q	372	693	673	Q	Q	Q
Vacant	Q	Q	Q	1,073	1,080	415	Q	Q	Q
Census Region and Division									
Northeast	539	622	235	6,140	5,448	2,407	87.8	114.1	97.8
New England	109	166	Q	1,475	1,339	638	74.0	123.7	Q
Middle Atlantic	430	456	166	4,665	4,109	1,769	92.1	111.0	93.7
Midwest	558	829	412	5,744	8,197	4,162	97.2	101.1	98.9
East North Central	435	616	292	4,121	5,690	2,613	105.5	108.3	111.8
West North Central	123	213	120	1,623	2,507	1,550	76.0	84.8	77.3
South	265	1,157	843	3,764	12,934	10,041	70.5	89.4	83.9
South Atlantic	157	567	517	2,120	6,185	5,694	74.1	91.7	90.8
East South Central	42	204	94	605	1,917	1,196	69.8	106.5	78.2
West South Central	66	385	232	1,038	4,832	3,151	63.7	79.8	73.6
West	160	621	282	2,383	6,805	3,632	67.0	91.3	77.7
Mountain	51	295	100	526	2,494	1,187	97.1	118.2	84.5
Pacific	109	326	182	1,857	4,311	2,445	58.5	75.7	74.5
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	281	541	264	3,409	5,066	3,054	82.5	106.7	86.5
5,500-7,000 HDD	597	942	390	6,188	8,643	3,977	96.5	109.0	98.0
4,000-5,499 HDD	388	592	262	4,162	5,628	2,714	93.3	105.2	96.7
Fewer than 4,000 HDD	191	712	484	3,192	8,630	5,808	59.7	82.4	83.2
2,000 CDD or More and --									
Fewer than 4,000 HDD	65	442	372	1,080	5,418	4,691	60.3	81.5	79.4

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	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
All Buildings	1,522	3,228	1,772	18,031	33,384	20,243	84.4	96.7	87.6
Number of Establishments									
One	1,095	1,929	1,143	12,247	19,473	13,424	89.4	99.0	85.2
2 to 5	253	608	300	3,085	6,096	3,384	81.9	99.8	88.7
6 to 10	45	206	127	511	1,879	968	88.3	109.5	131.5
11 to 20	Q	189	84	635	1,819	915	Q	103.8	91.3
More than 20	Q	279	Q	648	3,239	1,174	Q	86.2	Q
Currently Unoccupied	Q	Q	Q	905	879	Q	Q	Q	Q
Energy Sources (more than one may apply)									
Electricity	1,522	3,228	1,772	17,509	32,945	19,727	86.9	98.0	89.8
Natural Gas	1,115	2,514	1,413	12,407	22,762	13,304	89.8	110.4	106.2
Fuel Oil	491	969	407	5,089	7,573	3,603	96.4	127.9	113.0
District Heat	354	490	Q	2,206	2,330	1,041	160.6	210.4	Q
Energy End Uses (more than one may apply)									
Buildings with Space Heating	1,498	3,154	1,718	16,783	31,413	18,251	89.3	100.4	94.1
Buildings with Cooling	1,263	3,139	1,748	14,196	30,929	18,436	88.9	101.5	94.8
Buildings with Water Heating	1,322	3,114	1,722	14,878	30,250	17,699	88.8	103.0	97.3

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>.

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.