

**Table C1A. Total Energy Consumption by Major Fuel for All Buildings, 2003**

	All Buildings		Total Energy Consumption (trillion Btu)					
	Number of Buildings (thousand)	Floorspace (million square feet)	Sum of Major Fuels	Electricity		Natural Gas	Fuel Oil	District Heat
				Primary	Site			
<b>All Buildings</b> .....	4,859	71,658	6,523	10,746	3,559	2,100	228	636
<b>Building Floorspace (Square Feet)</b>								
1,001 to 5,000 .....	2,586	6,922	685	1,185	392	257	34	Q
5,001 to 10,000 .....	948	7,033	563	883	293	224	36	Q
10,001 to 25,000 .....	810	12,659	899	1,464	485	353	28	Q
25,001 to 50,000 .....	261	9,382	742	1,199	397	278	17	Q
50,001 to 100,000 .....	147	10,291	913	1,579	523	277	29	Q
100,001 to 200,000 .....	74	10,217	1,064	1,771	587	275	37	165
200,001 to 500,000 .....	26	7,494	751	1,152	381	211	36	123
Over 500,000 .....	8	7,660	906	1,513	501	224	10	171
<b>Principal Building Activity</b>								
Education .....	386	9,874	820	1,121	371	268	47	134
Food Sales .....	226	1,255	251	629	208	39	Q	N
Food Service .....	297	1,654	427	654	217	203	Q	Q
Health Care .....	129	3,163	594	748	248	243	11	Q
Inpatient .....	8	1,905	475	539	178	204	9	Q
Outpatient .....	121	1,258	119	209	69	38	Q	Q
Lodging .....	142	5,096	510	709	235	215	35	Q
Mercantile .....	657	11,192	1,021	2,214	733	264	21	Q
Retail (Other Than Mall) .....	443	4,317	319	637	211	91	Q	Q
Enclosed and Strip Malls .....	213	6,875	702	1,578	523	172	Q	Q
Office .....	824	12,208	1,134	2,170	719	269	18	128
Public Assembly .....	277	3,939	370	506	167	102	29	Q
Public Order and Safety .....	71	1,090	126	172	57	29	8	Q
Religious Worship .....	370	3,754	163	188	62	82	18	Q
Service .....	622	4,050	312	451	149	139	Q	Q
Warehouse and Storage .....	597	10,078	456	738	244	132	9	Q
Other .....	79	1,738	286	401	133	87	Q	Q
Vacant .....	182	2,567	54	46	15	28	Q	Q
<b>Year Constructed</b>								
Before 1920 .....	333	3,784	303	274	91	143	38	Q
1920 to 1945 .....	536	6,985	631	649	215	232	55	129
1946 to 1959 .....	573	7,262	588	744	247	223	48	Q
1960 to 1969 .....	600	8,641	791	1,085	359	276	Q	117
1970 to 1979 .....	784	12,275	1,191	2,079	689	402	23	77
1980 to 1989 .....	768	12,468	1,247	2,382	789	339	12	Q
1990 to 1999 .....	917	13,981	1,262	2,484	823	345	9	Q
2000 to 2003 .....	347	6,262	511	1,048	347	140	Q	Q
<b>Census Region and Division</b>								
Northeast .....	761	13,995	1,396	1,772	587	462	181	166
New England .....	252	3,452	345	426	141	87	74	Q
Middle Atlantic .....	509	10,543	1,052	1,347	446	375	107	Q
Midwest .....	1,305	18,103	1,799	2,414	799	751	24	225
East North Central .....	728	12,424	1,343	1,733	574	567	Q	192
West North Central .....	577	5,680	456	681	225	184	Q	Q
South .....	1,873	26,739	2,265	4,654	1,542	527	15	182
South Atlantic .....	926	13,999	1,241	2,612	865	246	13	117
East South Central .....	360	3,719	340	591	196	107	1	Q
West South Central .....	587	9,022	684	1,451	481	174	1	Q
West .....	920	12,820	1,063	1,905	631	360	9	Q
Mountain .....	316	4,207	446	700	232	190	Q	Q
Pacific .....	603	8,613	617	1,205	399	170	4	Q

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				Primary	Site			
<b>All Buildings</b> .....	4,859	71,658	6,523	10,746	3,559	2,100	228	636
<b>Climate Zone: 30-Year Average</b>								
Under 2,000 CDD and --								
More than 7,000 HDD .....	882	11,529	1,086	1,412	468	468	63	88
5,500-7,000 HDD .....	1,229	18,808	1,929	2,621	868	737	67	257
4,000-5,499 HDD .....	701	12,503	1,243	1,947	645	368	91	140
Fewer than 4,000 HDD .....	1,336	17,630	1,386	2,686	890	389	6	101
2,000 CDD or More and --								
Fewer than 4,000 HDD .....	711	11,189	879	2,081	689	138	1	Q
<b>Number of Establishments</b>								
One .....	3,754	45,144	4,167	6,454	2,138	1,462	183	384
2 to 5 .....	762	12,565	1,161	1,859	616	359	31	156
6 to 10 .....	117	3,358	378	692	229	95	7	Q
11 to 20 .....	47	3,369	307	656	217	69	Q	Q
More than 20 .....	22	5,060	473	1,056	350	96	Q	Q
Currently Unoccupied .....	157	2,161	37	28	9	18	Q	Q
<b>Energy Sources (more than one may apply)</b>								
Electricity .....	4,617	70,181	6,522	10,746	3,559	2,100	228	636
Natural Gas .....	2,538	48,473	5,042	7,651	2,534	2,100	101	306
Fuel Oil .....	465	16,265	1,867	2,830	937	523	228	179
District Heat .....	67	5,576	1,029	1,040	344	48	1	636
<b>Energy End Uses (more than one may apply)</b>								
Buildings with Space Heating .....	4,182	66,446	6,370	10,365	3,433	2,077	225	635
Buildings with Cooling .....	3,825	63,560	6,149	10,402	3,445	1,987	181	536
Buildings with Water Heating .....	3,659	62,827	6,158	10,202	3,379	2,035	218	525

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 that use the particular energy source.

Notes: • Site electricity is the amount of electricity delivered to commercial buildings. Primary electricity, which is not included in the "Total of Major Fuels" category, is site electricity plus the conversion losses in the generation, transmission, and distribution processes. • 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. • HVAC = Heating, Ventilation, and Air Conditioning. • 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.