

**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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**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>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.

**Table C2A. Total Energy Expenditures by Major Fuel for All Buildings, 2003**

	All Buildings		Total Energy Expenditures (million dollars)				
	Number of Buildings (thousand)	Floorspace (million square feet)	Sum of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat
<b>All Buildings</b> .....	4,859	71,658	107,897	82,783	16,010	1,826	7,279
<b>Building Floorspace (Square Feet)</b>							
1,001 to 5,000 .....	2,586	6,922	13,083	10,547	2,227	292	Q
5,001 to 10,000 .....	948	7,033	10,443	8,199	1,830	307	Q
10,001 to 25,000 .....	810	12,659	15,689	12,172	2,897	238	Q
25,001 to 50,000 .....	261	9,382	11,898	9,179	2,054	134	Q
50,001 to 100,000 .....	147	10,291	15,171	11,694	2,140	229	Q
100,001 to 200,000 .....	74	10,217	16,087	11,962	1,964	279	Q
200,001 to 500,000 .....	26	7,494	10,940	7,862	1,396	272	Q
Over 500,000 .....	8	7,660	14,586	11,167	1,502	74	1,843
<b>Principal Building Activity</b>							
Education .....	386	9,874	12,008	8,111	1,889	362	Q
Food Sales .....	226	1,255	4,990	4,627	332	Q	N
Food Service .....	297	1,654	6,865	5,176	1,615	Q	Q
Health Care .....	129	3,163	7,440	4,882	1,538	79	Q
Inpatient .....	8	1,905	5,329	3,198	1,241	67	Q
Outpatient .....	121	1,258	2,111	1,684	297	Q	Q
Lodging .....	142	5,096	7,445	5,288	1,581	272	Q
Mercantile .....	657	11,192	21,300	18,883	2,204	167	Q
Retail (Other Than Mall) .....	443	4,317	5,980	5,132	719	117	Q
Enclosed and Strip Malls .....	213	6,875	15,320	13,751	1,486	Q	Q
Office .....	824	12,208	20,841	17,050	2,201	149	1,441
Public Assembly .....	277	3,939	5,790	3,943	775	230	Q
Public Order and Safety .....	71	1,090	1,917	1,216	234	Q	Q
Religious Worship .....	370	3,754	2,457	1,628	664	Q	Q
Service .....	622	4,050	4,779	3,485	1,096	Q	Q
Warehouse and Storage .....	597	10,078	6,894	5,034	976	74	Q
Other .....	79	1,738	4,420	3,049	684	Q	Q
Vacant .....	182	2,567	751	412	220	Q	Q
<b>Year Constructed</b>							
Before 1920 .....	333	3,784	4,153	2,338	1,136	304	Q
1920 to 1945 .....	536	6,985	8,946	5,364	1,734	425	1,423
1946 to 1959 .....	573	7,262	9,053	6,184	1,668	392	Q
1960 to 1969 .....	600	8,641	12,493	8,626	2,064	Q	Q
1970 to 1979 .....	784	12,275	19,585	15,679	2,877	185	Q
1980 to 1989 .....	768	12,468	22,142	18,258	2,685	103	Q
1990 to 1999 .....	917	13,981	22,356	18,560	2,722	72	Q
2000 to 2003 .....	347	6,262	9,169	7,773	1,125	Q	Q
<b>Census Region and Division</b>							
Northeast .....	761	13,995	24,395	16,907	3,883	1,437	2,169
New England .....	252	3,452	6,084	4,157	806	592	Q
Middle Atlantic .....	509	10,543	18,311	12,750	3,076	845	Q
Midwest .....	1,305	18,103	23,398	15,677	5,215	178	2,329
East North Central .....	728	12,424	17,511	11,503	3,968	Q	Q
West North Central .....	577	5,680	5,888	4,174	1,246	Q	Q
South .....	1,873	26,739	38,398	31,849	4,356	130	Q
South Atlantic .....	926	13,999	21,396	17,693	2,225	116	Q
East South Central .....	360	3,719	5,154	3,881	869	Q	Q
West South Central .....	587	9,022	11,848	10,275	1,262	6	Q
West .....	920	12,820	21,706	18,350	2,557	82	Q
Mountain .....	316	4,207	6,726	5,205	1,252	Q	Q
Pacific .....	603	8,613	14,980	13,145	1,305	Q	Q

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**Table C2A. Total Energy Expenditures by Major Fuel for All Buildings, 2003**

	All Buildings		Total Energy Expenditures (million dollars)				
	Number of Buildings (thousand)	Floorspace (million square feet)	Sum of Major Fuels	Electricity	Natural Gas	Fuel Oil	District Heat
<b>All Buildings</b> .....	4,859	71,658	107,897	82,783	16,010	1,826	7,279
<b>Climate Zone: 30-Year Average</b>							
Under 2,000 CDD and --							
More than 7,000 HDD .....	882	11,529	15,307	10,479	3,329	472	Q
5,500-7,000 HDD .....	1,229	18,808	27,921	19,181	5,416	565	Q
4,000-5,499 HDD .....	701	12,503	20,888	15,439	2,989	723	Q
Fewer than 4,000 HDD .....	1,336	17,630	26,517	22,055	3,218	57	Q
2,000 CDD or More and --							
Fewer than 4,000 HDD .....	711	11,189	17,263	15,629	1,058	8	Q
<b>Number of Establishments</b>							
One .....	3,754	45,144	65,153	48,376	10,950	1,466	4,361
2 to 5 .....	762	12,565	19,503	14,425	2,838	251	Q
6 to 10 .....	117	3,358	6,782	5,587	782	Q	Q
11 to 20 .....	47	3,369	6,213	5,449	555	Q	Q
More than 20 .....	22	5,060	9,730	8,688	743	Q	Q
Currently Unoccupied .....	157	2,161	516	258	142	Q	Q
<b>Energy Sources (more than one may apply)</b>							
Electricity .....	4,617	70,181	107,894	82,783	16,009	1,824	7,279
Natural Gas .....	2,538	48,473	78,522	58,107	16,010	794	3,611
Fuel Oil .....	465	16,265	28,286	20,791	3,676	1,826	1,993
District Heat .....	67	5,576	14,404	6,782	333	10	7,279
<b>Energy End Uses (more than one may apply)</b>							
Buildings with Space Heating .....	4,182	66,446	103,845	78,955	15,821	1,794	7,276
Buildings with Cooling .....	3,825	63,560	102,694	80,010	15,141	1,430	6,112
Buildings with Water Heating .....	3,659	62,827	101,438	78,235	15,453	1,732	6,018

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>.

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: • 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.

**Table C3A. Consumption and Gross Energy Intensity for Sum of Major Fuels for All Buildings, 2003**

	All Buildings			Sum of Major Fuel Consumption		
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	per Building (million Btu)	per Square Foot (thousand Btu)
<b>All Buildings</b> .....	4,859	71,658	14.7	6,523	1,342	91.0
<b>Building Floorspace (Square Feet)</b>						
1,001 to 5,000 .....	2,586	6,922	2.7	685	265	99.0
5,001 to 10,000 .....	948	7,033	7.4	563	594	80.0
10,001 to 25,000 .....	810	12,659	15.6	899	1,110	71.0
25,001 to 50,000 .....	261	9,382	36.0	742	2,843	79.0
50,001 to 100,000 .....	147	10,291	70.2	913	6,230	88.7
100,001 to 200,000 .....	74	10,217	138.6	1,064	14,436	104.2
200,001 to 500,000 .....	26	7,494	287.6	751	28,831	100.2
Over 500,000 .....	8	7,660	937.6	906	110,855	118.2
<b>Principal Building Activity</b>						
Education .....	386	9,874	25.6	820	2,125	83.1
Food Sales .....	226	1,255	5.6	251	1,110	199.7
Food Service .....	297	1,654	5.6	427	1,436	258.3
Health Care .....	129	3,163	24.6	594	4,612	187.7
Inpatient .....	8	1,905	241.4	475	60,152	249.2
Outpatient .....	121	1,258	10.4	119	985	94.6
Lodging .....	142	5,096	35.8	510	3,578	100.0
Mercantile .....	657	11,192	17.0	1,021	1,556	91.3
Retail (Other Than Mall) .....	443	4,317	9.7	319	720	73.9
Enclosed and Strip Malls .....	213	6,875	32.2	702	3,292	102.2
Office .....	824	12,208	14.8	1,134	1,376	92.9
Public Assembly .....	277	3,939	14.2	370	1,338	93.9
Public Order and Safety .....	71	1,090	15.5	126	1,791	115.8
Religious Worship .....	370	3,754	10.1	163	440	43.5
Service .....	622	4,050	6.5	312	501	77.0
Warehouse and Storage .....	597	10,078	16.9	456	764	45.2
Other .....	79	1,738	21.9	286	3,600	164.4
Vacant .....	182	2,567	14.1	54	294	20.9
<b>Year Constructed</b>						
Before 1920 .....	333	3,784	11.4	303	912	80.2
1920 to 1945 .....	536	6,985	13.0	631	1,177	90.4
1946 to 1959 .....	573	7,262	12.7	588	1,026	80.9
1960 to 1969 .....	600	8,641	14.4	791	1,317	91.5
1970 to 1979 .....	784	12,275	15.6	1,191	1,518	97.0
1980 to 1989 .....	768	12,468	16.2	1,247	1,622	100.0
1990 to 1999 .....	917	13,981	15.2	1,262	1,376	90.2
2000 to 2003 .....	347	6,262	18.1	511	1,473	81.6
<b>Census Region and Division</b>						
Northeast .....	761	13,995	18.4	1,396	1,834	99.8
New England .....	252	3,452	13.7	345	1,368	99.8
Middle Atlantic .....	509	10,543	20.7	1,052	2,064	99.7
Midwest .....	1,305	18,103	13.9	1,799	1,379	99.4
East North Central .....	728	12,424	17.1	1,343	1,846	108.1
West North Central .....	577	5,680	9.8	456	790	80.2
South .....	1,873	26,739	14.3	2,265	1,209	84.7
South Atlantic .....	926	13,999	15.1	1,241	1,340	88.7
East South Central .....	360	3,719	10.3	340	944	91.4
West South Central .....	587	9,022	15.4	684	1,164	75.8
West .....	920	12,820	13.9	1,063	1,156	82.9
Mountain .....	316	4,207	13.3	446	1,411	106.1
Pacific .....	603	8,613	14.3	617	1,022	71.6

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**Table C3A. Consumption and Gross Energy Intensity for Sum of Major Fuels for All Buildings, 2003**

	All Buildings			Sum of Major Fuel Consumption		
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	per Building (million Btu)	per Square Foot (thousand Btu)
<b>All Buildings</b> .....	4,859	71,658	14.7	6,523	1,342	91.0
<b>Climate Zone: 30-Year Average</b>						
Under 2,000 CDD and --						
More than 7,000 HDD .....	882	11,529	13.1	1,086	1,231	94.2
5,500-7,000 HDD .....	1,229	18,808	15.3	1,929	1,570	102.6
4,000-5,499 HDD .....	701	12,503	17.8	1,243	1,773	99.4
Fewer than 4,000 HDD .....	1,336	17,630	13.2	1,386	1,038	78.6
2,000 CDD or More and --						
Fewer than 4,000 HDD .....	711	11,189	15.7	879	1,236	78.6
<b>Number of Establishments</b>						
One .....	3,754	45,144	12.0	4,167	1,110	92.3
2 to 5 .....	762	12,565	16.5	1,161	1,525	92.4
6 to 10 .....	117	3,358	28.6	378	3,222	112.6
11 to 20 .....	47	3,369	71.8	307	6,540	91.1
More than 20 .....	22	5,060	227.3	473	21,234	93.4
Currently Unoccupied .....	157	2,161	13.8	37	237	17.2
<b>Energy Sources (more than one may apply)</b>						
Electricity .....	4,617	70,181	15.2	6,522	1,413	92.9
Natural Gas .....	2,538	48,473	19.1	5,042	1,987	104.0
Fuel Oil .....	465	16,265	35.0	1,867	4,012	114.8
District Heat .....	67	5,576	83.1	1,029	15,337	184.6
<b>Energy End Uses (more than one may apply)</b>						
Buildings with Space Heating .....	4,182	66,446	15.9	6,370	1,523	95.9
Buildings with Cooling .....	3,825	63,560	16.6	6,149	1,608	96.7
Buildings with Water Heating .....	3,659	62,827	17.2	6,158	1,683	98.0

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/cbeecs>.

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. • 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.

**Table C4A. Expenditures for Sum of Major Fuels for All Buildings, 2003**

	All Buildings			Sum of Major Fuel Expenditures			
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (million dollars)	per Building (thousand dollars)	per Square Foot (dollars)	per Million Btu (dollars)
<b>All Buildings</b> .....	4,859	71,658	14.7	107,897	22.2	1.51	16.54
<b>Building Floorspace (Square Feet)</b>							
1,001 to 5,000 .....	2,586	6,922	2.7	13,083	5.1	1.89	19.08
5,001 to 10,000 .....	948	7,033	7.4	10,443	11.0	1.48	18.56
10,001 to 25,000 .....	810	12,659	15.6	15,689	19.4	1.24	17.46
25,001 to 50,000 .....	261	9,382	36.0	11,898	45.6	1.27	16.04
50,001 to 100,000 .....	147	10,291	70.2	15,171	103.5	1.47	16.62
100,001 to 200,000 .....	74	10,217	138.6	16,087	218.2	1.57	15.12
200,001 to 500,000 .....	26	7,494	287.6	10,940	419.8	1.46	14.56
Over 500,000 .....	8	7,660	937.6	14,586	1785.5	1.90	16.11
<b>Principal Building Activity</b>							
Education .....	386	9,874	25.6	12,008	31.1	1.22	14.64
Food Sales .....	226	1,255	5.6	4,990	22.1	3.98	19.91
Food Service .....	297	1,654	5.6	6,865	23.1	4.15	16.07
Health Care .....	129	3,163	24.6	7,440	57.8	2.35	12.53
Inpatient .....	8	1,905	241.4	5,329	675.4	2.80	11.23
Outpatient .....	121	1,258	10.4	2,111	17.5	1.68	17.74
Lodging .....	142	5,096	35.8	7,445	52.3	1.46	14.61
Mercantile .....	657	11,192	17.0	21,300	32.4	1.90	20.85
Retail (Other Than Mall) .....	443	4,317	9.7	5,980	13.5	1.39	18.75
Enclosed and Strip Malls .....	213	6,875	32.2	15,320	71.8	2.23	21.81
Office .....	824	12,208	14.8	20,841	25.3	1.71	18.39
Public Assembly .....	277	3,939	14.2	5,790	20.9	1.47	15.65
Public Order and Safety .....	71	1,090	15.5	1,917	27.2	1.76	15.18
Religious Worship .....	370	3,754	10.1	2,457	6.6	0.65	15.06
Service .....	622	4,050	6.5	4,779	7.7	1.18	15.33
Warehouse and Storage .....	597	10,078	16.9	6,894	11.5	0.68	15.12
Other .....	79	1,738	21.9	4,420	55.7	2.54	15.47
Vacant .....	182	2,567	14.1	751	4.1	0.29	14.02
<b>Year Constructed</b>							
Before 1920 .....	333	3,784	11.4	4,153	12.5	1.10	13.69
1920 to 1945 .....	536	6,985	13.0	8,946	16.7	1.28	14.17
1946 to 1959 .....	573	7,262	12.7	9,053	15.8	1.25	15.40
1960 to 1969 .....	600	8,641	14.4	12,493	20.8	1.45	15.80
1970 to 1979 .....	784	12,275	15.6	19,585	25.0	1.60	16.45
1980 to 1989 .....	768	12,468	16.2	22,142	28.8	1.78	17.76
1990 to 1999 .....	917	13,981	15.2	22,356	24.4	1.60	17.72
2000 to 2003 .....	347	6,262	18.1	9,169	26.5	1.46	17.95
<b>Census Region and Division</b>							
Northeast .....	761	13,995	18.4	24,395	32.1	1.74	17.47
New England .....	252	3,452	13.7	6,084	24.2	1.76	17.66
Middle Atlantic .....	509	10,543	20.7	18,311	35.9	1.74	17.41
Midwest .....	1,305	18,103	13.9	23,398	17.9	1.29	13.01
East North Central .....	728	12,424	17.1	17,511	24.1	1.41	13.04
West North Central .....	577	5,680	9.8	5,888	10.2	1.04	12.92
South .....	1,873	26,739	14.3	38,398	20.5	1.44	16.95
South Atlantic .....	926	13,999	15.1	21,396	23.1	1.53	17.24
East South Central .....	360	3,719	10.3	5,154	14.3	1.39	15.16
West South Central .....	587	9,022	15.4	11,848	20.2	1.31	17.33
West .....	920	12,820	13.9	21,706	23.6	1.69	20.42
Mountain .....	316	4,207	13.3	6,726	21.3	1.60	15.07
Pacific .....	603	8,613	14.3	14,980	24.8	1.74	24.28

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**Table C4A. Expenditures for Sum of Major Fuels for All Buildings, 2003**

	All Buildings			Sum of Major Fuel Expenditures			
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (million dollars)	per Building (thousand dollars)	per Square Foot (dollars)	per Million Btu (dollars)
<b>All Buildings</b> .....	4,859	71,658	14.7	107,897	22.2	1.51	16.54
<b>Climate Zone: 30-Year Average</b>							
Under 2,000 CDD and --							
More than 7,000 HDD .....	882	11,529	13.1	15,307	17.4	1.33	14.09
5,500-7,000 HDD .....	1,229	18,808	15.3	27,921	22.7	1.48	14.47
4,000-5,499 HDD .....	701	12,503	17.8	20,888	29.8	1.67	16.81
Fewer than 4,000 HDD .....	1,336	17,630	13.2	26,517	19.9	1.50	19.14
2,000 CDD or More and --							
Fewer than 4,000 HDD .....	711	11,189	15.7	17,263	24.3	1.54	19.63
<b>Number of Establishments</b>							
One .....	3,754	45,144	12.0	65,153	17.4	1.44	15.64
2 to 5 .....	762	12,565	16.5	19,503	25.6	1.55	16.80
6 to 10 .....	117	3,358	28.6	6,782	57.8	2.02	17.93
11 to 20 .....	47	3,369	71.8	6,213	132.4	1.84	20.24
More than 20 .....	22	5,060	227.3	9,730	437.1	1.92	20.59
Currently Unoccupied .....	157	2,161	13.8	516	3.3	0.24	13.88
<b>Energy Sources (more than one may apply)</b>							
Electricity .....	4,617	70,181	15.2	107,894	23.4	1.54	16.54
Natural Gas .....	2,538	48,473	19.1	78,522	30.9	1.62	15.57
Fuel Oil .....	465	16,265	35.0	28,286	60.8	1.74	15.15
District Heat .....	67	5,576	83.1	14,404	214.6	2.58	13.99
<b>Energy End Uses (more than one may apply)</b>							
Buildings with Space Heating .....	4,182	66,446	15.9	103,845	24.8	1.56	16.30
Buildings with Cooling .....	3,825	63,560	16.6	102,694	26.8	1.62	16.70
Buildings with Water Heating .....	3,659	62,827	17.2	101,438	27.7	1.61	16.47

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. • 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.



**Table C5A. Consumption and Gross Energy Intensity by Census Region 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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings</b> .....	1,396	1,799	2,265	1,063	13,995	18,103	26,739	12,820	99.8	99.4	84.7	82.9
<b>Building Floorspace (Square Feet)</b>												
1,001 to 5,000 .....	123	207	248	108	1,059	1,908	2,618	1,337	116.4	108.3	94.7	80.6
5,001 to 10,000 .....	107	128	204	123	1,169	1,676	2,844	1,343	91.9	76.5	71.7	91.6
10,001 to 25,000 .....	166	258	295	180	2,122	3,317	4,859	2,361	78.3	77.7	60.7	76.1
25,001 to 50,000 .....	117	261	236	127	1,388	2,712	3,474	1,808	84.6	96.3	67.9	70.3
50,001 to 100,000 .....	234	225	326	127	2,272	2,376	4,059	1,584	103.2	94.9	80.3	80.2
100,001 to 200,000 .....	224	273	449	118	2,238	2,486	4,140	1,353	100.3	109.7	108.4	87.5
200,001 to 500,000 .....	189	252	207	103	1,781	2,288	2,109	1,316	106.3	110.0	98.3	78.3
Over 500,000 .....	Q	195	300	177	1,967	1,341	2,635	1,717	Q	145.4	113.8	103.0
<b>Principal Building Activity</b>												
Education .....	171	219	301	129	1,683	2,541	3,983	1,667	101.6	86.3	75.5	77.6
Food Sales .....	Q	70	91	Q	238	320	487	Q	Q	219.1	187.7	Q
Food Service .....	Q	99	217	65	172	453	764	265	Q	218.8	283.4	243.8
Health Care .....	114	164	217	99	535	798	1,277	553	212.2	205.6	169.8	179.6
Inpatient .....	Q	119	190	67	358	438	838	270	Q	272.2	226.7	246.8
Outpatient .....	Q	45	27	33	177	359	438	283	Q	124.4	60.9	115.3
Lodging .....	108	125	164	113	1,171	1,144	1,694	1,087	Q	109.0	96.9	103.7
Mercantile .....	166	200	443	213	1,720	1,904	5,094	2,473	96.5	104.8	87.0	86.0
Retail (Other Than Mall) .....	41	90	127	61	630	880	1,844	963	65.0	102.7	68.7	63.2
Enclosed and Strip Malls .....	125	109	316	152	1,090	1,024	3,251	1,511	Q	106.6	97.3	100.6
Office .....	305	325	329	175	3,012	2,989	3,782	2,425	101.2	108.8	87.0	72.1
Public Assembly .....	93	103	109	64	1,048	1,012	1,174	706	Q	101.7	93.2	91.2
Public Order and Safety .....	Q	Q	Q	Q	362	221	373	Q	Q	Q	Q	Q
Religious Worship .....	33	59	57	14	627	1,115	1,498	515	52.1	52.8	38.3	27.6
Service .....	59	110	90	53	740	1,289	1,358	664	79.8	85.0	66.3	80.0
Warehouse and Storage .....	63	225	106	61	1,523	3,017	3,966	1,572	41.6	74.7	26.7	39.0
Other .....	Q	Q	Q	Q	649	316	Q	186	Q	Q	Q	Q
Vacant .....	Q	Q	Q	Q	517	984	701	Q	Q	Q	Q	Q
<b>Year Constructed</b>												
Before 1920 .....	115	123	42	Q	1,412	1,552	525	295	81.4	79.4	79.3	Q
1920 to 1945 .....	229	262	80	61	2,578	2,099	1,365	942	88.8	124.6	58.4	64.6
1946 to 1959 .....	195	173	144	75	2,149	2,093	1,874	1,146	90.7	82.9	76.9	65.7
1960 to 1969 .....	225	222	217	127	1,858	2,434	2,689	1,660	121.2	91.4	80.5	76.2
1970 to 1979 .....	219	360	377	235	1,916	3,543	4,410	2,407	114.5	101.6	85.5	97.5
1980 to 1989 .....	177	246	563	260	1,675	2,221	5,834	2,738	105.8	110.9	96.5	94.9
1990 to 1999 .....	137	301	619	204	1,544	2,888	7,202	2,347	88.5	104.2	86.0	87.1
2000 to 2003 .....	Q	111	223	78	863	1,274	2,840	1,286	Q	86.9	78.6	60.7
<b>Climate Zone: 30-Year Average</b>												
Under 2,000 CDD and --												
More than 7,000 HDD .....	211	573	N	302	2,567	5,910	N	3,052	82.2	97.0	N	99.0
5,500-7,000 HDD .....	597	1,112	N	219	5,989	10,584	N	2,234	99.8	105.1	N	98.2
4,000-5,499 HDD .....	588	114	472	Q	5,440	1,609	4,736	718	108.0	70.5	99.7	96.4
Fewer than 4,000 HDD .....	N	N	997	389	N	N	11,506	6,125	N	N	86.6	63.5
2,000 CDD or More and --												
Fewer than 4,000 HDD .....	N	N	796	84	N	N	10,497	692	N	N	75.8	121.0

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**Table C5A. Consumption and Gross Energy Intensity by Census Region 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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings</b> .....	1,396	1,799	2,265	1,063	13,995	18,103	26,739	12,820	99.8	99.4	84.7	82.9
<b>Number of Establishments</b>												
One .....	841	1,262	1,374	689	8,061	12,359	16,947	7,776	104.4	102.1	81.1	88.6
2 to 5 .....	280	326	393	162	2,802	3,116	4,493	2,155	99.9	104.7	87.6	75.0
6 to 10 .....	92	81	149	57	792	730	1,212	624	116.5	110.3	122.7	90.8
11 to 20 .....	Q	63	144	49	884	552	1,342	591	Q	114.2	107.3	83.1
More than 20 .....	Q	Q	197	104	1,118	453	2,094	1,396	Q	Q	94.1	74.7
Currently Unoccupied .....	Q	Q	Q	Q	Q	892	652	Q	Q	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>												
Electricity .....	1,396	1,798	2,265	1,063	13,899	17,725	26,017	12,541	100.4	101.5	87.0	84.8
Natural Gas .....	1,110	1,485	1,600	847	10,162	14,144	15,260	8,907	109.2	105.0	104.9	95.0
Fuel Oil .....	678	395	535	259	6,464	2,909	4,663	2,230	104.8	135.9	114.7	116.1
District Heat .....	Q	336	324	Q	1,496	1,648	1,766	667	Q	204.2	183.7	Q
<b>Energy End Uses (more than one may apply)</b>												
Buildings with Space Heating .....	1,388	1,791	2,195	996	13,675	17,355	23,999	11,417	101.5	103.2	91.5	87.2
Buildings with Cooling .....	1,291	1,618	2,238	1,002	12,016	15,474	24,723	11,347	107.4	104.5	90.5	88.3
Buildings with Water Heating .....	1,338	1,640	2,159	1,021	12,875	15,865	22,859	11,227	103.9	103.4	94.5	90.9

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/cbeecs>.

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. • 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.

**Table C6A. Expenditures by Census Region for Sum of Major Fuels for All Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings</b> .....	24,395	23,398	38,398	21,706	17.47	13.01	16.95	20.42	1.74	1.29	1.44	1.69
<b>Building Floorspace (Square Feet)</b>												
1,001 to 5,000 .....	2,398	3,255	4,899	2,530	19.47	15.75	19.77	23.46	2.26	1.71	1.87	1.89
5,001 to 10,000 .....	1,978	1,887	3,761	2,816	18.42	14.71	18.44	22.90	1.69	1.13	1.32	2.10
10,001 to 25,000 .....	3,015	3,667	5,526	3,482	18.15	14.22	18.72	19.37	1.42	1.11	1.14	1.47
25,001 to 50,000 .....	2,054	3,252	4,095	2,497	17.50	12.45	17.36	19.65	1.48	1.20	1.18	1.38
50,001 to 100,000 .....	4,190	2,843	5,443	2,695	17.87	12.61	16.69	21.21	1.84	1.20	1.34	1.70
100,001 to 200,000 .....	3,686	3,388	6,850	2,163	16.43	12.42	15.27	18.26	1.65	1.36	1.65	1.60
200,001 to 500,000 .....	2,877	2,951	3,158	1,955	15.20	11.73	15.23	18.96	1.62	1.29	1.50	1.49
Over 500,000 .....	Q	2,156	4,666	3,568	Q	11.06	15.56	20.17	Q	1.61	1.77	2.08
<b>Principal Building Activity</b>												
Education .....	2,508	2,465	4,948	2,087	14.66	11.24	16.46	16.14	1.49	0.97	1.24	1.25
Food Sales .....	Q	1,192	1,814	Q	Q	16.99	19.86	Q	Q	3.72	3.73	Q
Food Service .....	Q	1,384	3,399	1,250	Q	13.95	15.70	19.37	Q	3.05	4.45	4.72
Health Care .....	1,510	1,690	2,681	1,560	13.30	10.30	12.37	15.70	2.82	2.12	2.10	2.82
Inpatient .....	Q	1,052	2,180	Q	Q	8.81	11.47	Q	Q	2.40	2.60	Q
Outpatient .....	Q	638	501	658	Q	14.27	18.76	20.17	Q	1.78	1.14	2.33
Lodging .....	1,531	1,434	2,451	2,029	14.16	11.51	14.92	18.00	Q	1.25	1.45	1.87
Mercantile .....	3,888	3,089	9,236	5,087	23.43	15.48	20.84	23.91	2.26	1.62	1.81	2.06
Retail (Other Than Mall) .....	837	1,212	2,433	1,499	20.43	13.40	19.20	24.64	1.33	1.38	1.32	1.56
Enclosed and Strip Malls .....	3,051	1,878	6,803	3,588	24.42	17.21	21.50	23.61	Q	1.83	2.09	2.38
Office .....	6,229	4,787	5,609	4,216	20.44	14.72	17.05	24.13	2.07	1.60	1.48	1.74
Public Assembly .....	1,329	1,290	1,735	Q	14.22	12.54	15.87	22.31	Q	1.28	1.48	2.03
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	425	693	1,071	268	13.02	11.76	18.66	18.86	0.68	0.62	0.71	0.52
Service .....	942	1,434	1,535	867	15.97	13.09	Q	16.33	1.27	1.11	1.13	1.31
Warehouse and Storage .....	1,056	2,724	1,928	1,187	16.66	12.08	18.24	19.36	0.69	0.90	0.49	0.76
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Year Constructed</b>												
Before 1920 .....	1,720	1,434	617	Q	14.96	11.63	14.82	Q	1.22	0.92	1.18	Q
1920 to 1945 .....	3,431	2,880	1,337	1,298	14.98	11.01	16.78	21.31	1.33	1.37	0.98	1.38
1946 to 1959 .....	3,108	2,195	2,250	1,500	15.94	12.66	15.62	19.93	1.45	1.05	1.20	1.31
1960 to 1969 .....	3,817	2,767	3,534	2,375	16.96	12.44	16.31	18.77	2.06	1.14	1.31	1.43
1970 to 1979 .....	4,127	4,764	6,368	4,327	18.82	13.24	16.89	18.44	2.15	1.34	1.44	1.80
1980 to 1989 .....	3,726	3,509	9,517	5,390	21.03	14.25	16.90	20.74	2.22	1.58	1.63	1.97
1990 to 1999 .....	2,658	4,240	10,636	4,822	19.45	14.08	17.17	23.59	1.72	1.47	1.48	2.05
2000 to 2003 .....	1,808	1,610	4,140	1,612	Q	14.55	18.54	20.66	2.09	1.26	1.46	1.25
<b>Climate Zone: 30-Year Average</b>												
Under 2,000 CDD and --												
More than 7,000 HDD .....	3,832	7,377	N	4,098	18.16	12.87	N	13.57	1.49	1.25	N	1.34
5,500-7,000 HDD .....	10,042	14,566	N	3,313	16.81	13.10	N	15.10	1.68	1.38	N	1.48
4,000-5,499 HDD .....	10,521	1,455	7,611	Q	17.90	12.82	16.11	18.82	1.93	0.90	1.61	1.81
Fewer than 4,000 HDD .....	N	N	15,344	11,173	N	N	15.39	28.73	N	N	1.33	1.82
2,000 CDD or More and --												
Fewer than 4,000 HDD .....	N	N	15,444	1,820	N	N	19.41	21.75	N	N	1.47	2.63

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**Table C6A. Expenditures by Census Region for Sum of Major Fuels for All Buildings, 2003**

	Sum of Major Fuel Expenditures (million dollars)				Sum of Major Fuel Expenditures (dollars)							
					per Million Btu				per Square Foot			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
<b>All Buildings</b> .....	24,395	23,398	38,398	21,706	17.47	13.01	16.95	20.42	1.74	1.29	1.44	1.69
<b>Number of Establishments</b>												
One .....	13,370	16,206	22,598	12,980	15.89	12.84	16.44	18.83	1.66	1.31	1.33	1.67
2 to 5 .....	5,169	4,260	6,416	3,658	18.47	13.05	16.31	22.64	1.84	1.37	1.43	1.70
6 to 10 .....	1,826	1,014	2,770	1,172	19.80	12.58	18.62	20.70	2.31	1.39	2.29	1.88
11 to 20 .....	Q	997	2,673	1,361	Q	15.82	18.56	27.68	Q	1.81	1.99	2.30
More than 20 .....	Q	Q	3,826	Q	Q	Q	19.41	Q	Q	Q	1.83	Q
Currently Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>												
Electricity .....	24,395	23,395	38,398	21,706	17.47	13.01	16.95	20.42	1.76	1.32	1.48	1.73
Natural Gas .....	19,029	19,001	24,835	15,656	17.15	12.79	15.52	18.49	1.87	1.34	1.63	1.76
Fuel Oil .....	10,996	4,474	7,939	4,877	16.23	11.32	14.84	18.83	1.70	1.54	1.70	2.19
District Heat .....	Q	Q	Q	Q	Q	Q	13.30	Q	Q	Q	2.44	Q
<b>Energy End Uses (more than one may apply)</b>												
Buildings with Space Heating .....	24,226	23,245	36,718	19,657	17.46	12.98	16.73	19.74	1.77	1.34	1.53	1.72
Buildings with Cooling .....	22,894	21,303	37,922	20,575	17.74	13.17	16.94	20.52	1.91	1.38	1.53	1.81
Buildings with Water Heating .....	23,445	21,348	36,059	20,587	17.52	13.01	16.70	20.17	1.82	1.35	1.58	1.83

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.

**Table C7A. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for All Buildings, 2003: Part 1**

	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)		
	New England	Middle Atlantic	East North Central	New England	Middle Atlantic	East North Central	New England	Middle Atlantic	East North Central
<b>All Buildings</b> .....	345	1,052	1,343	3,452	10,543	12,424	99.8	99.7	108.1
<b>Building Floorspace (Square Feet)</b>									
1,001 to 5,000 .....	37	86	147	383	676	986	95.9	127.9	148.9
5,001 to 10,000 .....	39	68	83	369	800	939	106.0	85.4	88.2
10,001 to 25,000 .....	Q	121	187	674	1,448	2,113	Q	83.4	88.4
25,001 to 50,000 .....	Q	84	155	366	1,022	1,763	Q	82.5	87.6
50,001 to 100,000 .....	Q	155	160	590	1,682	1,712	Q	92.0	93.3
100,001 to 200,000 .....	Q	161	224	448	1,790	1,872	Q	90.0	119.6
200,001 to 500,000 .....	Q	177	218	Q	1,673	1,847	Q	105.8	117.9
Over 500,000 .....	Q	Q	Q	Q	1,451	1,192	Q	Q	Q
<b>Principal Building Activity</b>									
Education .....	Q	143	175	Q	1,384	1,990	Q	103.1	87.7
Food Sales .....	Q	Q	Q	Q	Q	218	Q	Q	Q
Food Service .....	Q	Q	68	Q	127	248	Q	Q	276.6
Health Care .....	Q	102	122	Q	464	551	Q	219.0	220.7
Inpatient .....	Q	Q	Q	Q	310	316	Q	Q	Q
Outpatient .....	Q	Q	Q	Q	Q	235	Q	Q	Q
Lodging .....	Q	Q	70	374	797	548	Q	Q	126.7
Mercantile .....	Q	104	148	699	Q	1,373	Q	Q	108.1
Retail (Other Than Mall) .....	Q	30	59	Q	419	544	Q	72.3	108.4
Enclosed and Strip Malls .....	Q	Q	89	488	Q	829	Q	Q	107.9
Office .....	66	239	263	578	2,434	2,190	114.6	98.0	120.1
Public Assembly .....	Q	Q	80	Q	769	635	Q	Q	126.8
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	Q	28	41	Q	474	720	Q	58.1	56.4
Service .....	Q	45	78	Q	620	775	Q	72.0	100.8
Warehouse and Storage .....	Q	55	175	Q	1,112	2,023	Q	49.2	86.4
Other .....	Q	Q	Q	Q	501	248	Q	Q	Q
Vacant .....	Q	Q	Q	Q	Q	791	Q	Q	Q
<b>Year Constructed</b>									
Before 1920 .....	39	76	84	450	962	999	86.5	79.0	84.5
1920 to 1945 .....	Q	183	216	660	1,918	1,603	Q	95.5	135.0
1946 to 1959 .....	Q	171	134	Q	1,785	1,519	Q	95.6	88.3
1960 to 1969 .....	Q	158	150	407	1,451	1,568	Q	109.1	95.7
1970 to 1979 .....	Q	168	266	493	1,423	2,425	Q	117.9	109.8
1980 to 1989 .....	Q	130	200	440	1,235	1,696	Q	105.3	117.7
1990 to 1999 .....	Q	106	213	243	1,301	1,768	Q	81.2	120.4
2000 to 2003 .....	Q	Q	79	Q	467	845	Q	Q	93.7
<b>Climate Zone: 30-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	62	Q	333	Q	1,577	3,208	63.1	94.2	103.8
5,500-7,000 HDD .....	282	315	1,010	2,463	3,526	9,215	114.5	89.4	109.6
4,000-5,499 HDD .....	N	588	N	N	5,440	N	N	108.0	N
Fewer than 4,000 HDD .....	N	N	N	N	N	N	N	N	N
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	N	N	N	N	N	N	N	N	N

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**Table C7A. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for All Buildings, 2003: Part 1**

	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)		
	New England	Middle Atlantic	East North Central	New England	Middle Atlantic	East North Central	New England	Middle Atlantic	East North Central
<b>All Buildings</b> .....	345	1,052	1,343	3,452	10,543	12,424	99.8	99.7	108.1
<b>Number of Establishments</b>									
One .....	198	643	952	1,784	6,277	8,315	111.2	102.4	114.5
2 to 5 .....	69	211	231	756	2,046	2,096	91.2	103.1	110.0
6 to 10 .....	Q	56	55	Q	548	459	Q	101.5	118.8
11 to 20 .....	Q	Q	58	Q	509	501	Q	Q	116.4
More than 20 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Currently Unoccupied .....	Q	Q	Q	Q	Q	756	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	345	1,052	1,343	3,430	10,469	12,202	100.5	100.4	110.0
Natural Gas .....	227	883	1,115	1,861	8,301	10,356	122.0	106.3	107.7
Fuel Oil .....	170	507	277	1,781	4,682	1,871	95.7	108.3	148.1
District Heat .....	Q	Q	Q	Q	1,082	1,420	Q	Q	Q
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	343	1,045	1,337	3,307	10,368	12,052	103.6	100.8	110.9
Buildings with Cooling .....	303	988	1,187	2,492	9,523	10,585	121.5	103.7	112.2
Buildings with Water Heating .....	336	1,002	1,204	3,209	9,666	10,951	104.6	103.7	109.9

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>.

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.

**Table C8A. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for All Buildings, 2003: Part 2**

	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)		
	West North Central	South Atlantic	East South Central	West North Central	South Atlantic	East South Central	West North Central	South Atlantic	East South Central
<b>All Buildings</b> .....	456	1,241	340	5,680	13,999	3,719	80.2	88.7	91.4
<b>Building Floorspace (Square Feet)</b>									
1,001 to 5,000 .....	60	123	37	922	1,283	547	64.9	96.2	67.6
5,001 to 10,000 .....	45	111	27	738	1,468	420	61.6	75.4	63.2
10,001 to 25,000 .....	71	145	74	1,204	2,443	861	59.0	59.3	Q
25,001 to 50,000 .....	107	133	Q	949	1,867	545	112.5	71.1	Q
50,001 to 100,000 .....	66	163	71	664	1,797	749	99.0	90.4	95.1
100,001 to 200,000 .....	49	278	Q	614	2,422	Q	79.8	114.8	Q
200,001 to 500,000 .....	Q	118	Q	441	1,148	Q	Q	102.4	Q
Over 500,000 .....	Q	171	Q	Q	1,572	Q	Q	109.0	Q
<b>Principal Building Activity</b>									
Education .....	45	198	Q	552	2,445	341	81.0	80.9	Q
Food Sales .....	Q	Q	Q	Q	223	Q	Q	Q	Q
Food Service .....	Q	112	Q	206	433	99	Q	259.2	Q
Health Care .....	Q	120	Q	247	749	219	Q	160.1	Q
Inpatient .....	Q	Q	Q	Q	469	Q	Q	Q	Q
Outpatient .....	Q	Q	Q	Q	280	Q	Q	Q	Q
Lodging .....	55	91	Q	595	939	368	92.6	96.8	Q
Mercantile .....	51	243	52	531	2,638	678	96.3	92.2	77.1
Retail (Other Than Mall) .....	31	66	Q	337	897	353	93.6	73.4	Q
Enclosed and Strip Malls .....	Q	177	Q	Q	1,741	325	Q	101.9	Q
Office .....	62	155	50	799	1,958	481	77.6	79.3	103.2
Public Assembly .....	Q	42	Q	377	440	Q	Q	94.3	Q
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	18	29	Q	395	721	310	46.2	39.6	Q
Service .....	31	Q	Q	514	753	307	61.3	73.5	Q
Warehouse and Storage .....	51	66	Q	994	1,836	390	51.0	35.7	Q
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant .....	Q	Q	Q	Q	252	Q	Q	Q	Q
<b>Year Constructed</b>									
Before 1920 .....	39	Q	Q	553	Q	Q	70.2	Q	Q
1920 to 1945 .....	Q	41	Q	496	667	300	Q	61.6	Q
1946 to 1959 .....	39	91	Q	574	1,113	261	68.5	81.4	Q
1960 to 1969 .....	72	111	Q	866	1,488	504	83.7	74.7	Q
1970 to 1979 .....	93	169	70	1,117	1,672	874	83.7	101.2	79.7
1980 to 1989 .....	47	287	75	524	3,025	540	89.1	94.8	139.6
1990 to 1999 .....	88	387	65	1,121	4,234	842	78.8	91.5	77.4
2000 to 2003 .....	31	130	Q	429	1,460	354	73.4	88.9	Q
<b>Climate Zone: 30-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	240	N	N	2,702	N	N	88.9	N	N
5,500-7,000 HDD .....	102	N	N	Q	N	N	74.6	N	N
4,000-5,499 HDD .....	114	311	Q	1,609	3,065	Q	70.5	101.4	112.3
Fewer than 4,000 HDD .....	N	635	Q	N	7,126	Q	N	89.0	78.5
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	N	296	Q	N	3,807	Q	N	77.7	98.9

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**Table C8A. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for All Buildings, 2003: Part 2**

	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)		
	West North Central	South Atlantic	East South Central	West North Central	South Atlantic	East South Central	West North Central	South Atlantic	East South Central
<b>All Buildings</b> .....	456	1,241	340	5,680	13,999	3,719	80.2	88.7	91.4
<b>Number of Establishments</b>									
One .....	310	752	223	4,044	8,902	2,707	76.7	84.5	82.4
2 to 5 .....	96	221	Q	1,020	2,448	471	93.9	90.4	Q
6 to 10 .....	Q	100	Q	Q	759	Q	Q	131.2	Q
11 to 20 .....	Q	Q	Q	Q	684	Q	Q	Q	Q
More than 20 .....	Q	95	Q	Q	965	Q	Q	98.2	Q
Currently Unoccupied .....	Q	Q	Q	Q	241	Q	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	456	1,241	340	5,523	13,837	3,546	82.5	89.7	95.9
Natural Gas .....	370	804	265	3,788	7,286	2,521	97.6	110.4	105.2
Fuel Oil .....	118	321	Q	1,037	2,961	341	114.0	108.3	Q
District Heat .....	Q	220	Q	Q	1,243	Q	Q	177.4	Q
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	455	1,191	337	5,303	12,588	3,382	85.7	94.6	99.5
Buildings with Cooling .....	430	1,226	336	4,888	13,186	3,311	88.0	93.0	101.6
Buildings with Water Heating .....	437	1,190	329	4,915	12,315	3,164	88.9	96.6	104.1

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.



**Table C9A. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for All Buildings, 2003: Part 3**

	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)		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
<b>All Buildings</b> .....	684	446	617	9,022	4,207	8,613	75.8	106.1	71.6
<b>Building Floorspace (Square Feet)</b>									
1,001 to 5,000 .....	87	44	64	788	466	871	110.9	94.8	73.0
5,001 to 10,000 .....	67	39	84	957	465	878	69.7	84.8	95.1
10,001 to 25,000 .....	77	91	89	1,555	933	1,429	49.4	97.2	62.4
25,001 to 50,000 .....	70	56	71	1,062	568	1,239	65.8	98.2	57.5
50,001 to 100,000 .....	92	49	78	1,514	492	1,092	61.0	100.2	71.2
100,001 to 200,000 .....	119	Q	79	1,426	346	1,007	83.4	Q	78.0
200,001 to 500,000 .....	60	Q	68	749	339	977	80.4	Q	69.6
Over 500,000 .....	Q	Q	Q	Q	Q	1,119	Q	Q	Q
<b>Principal Building Activity</b>									
Education .....	74	53	76	1,198	640	1,027	61.4	82.9	74.3
Food Sales .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Food Service .....	Q	Q	Q	232	Q	232	Q	Q	Q
Health Care .....	59	Q	57	309	230	323	192.3	Q	177.7
Inpatient .....	Q	Q	Q	235	Q	176	Q	Q	Q
Outpatient .....	Q	Q	Q	Q	Q	147	Q	Q	Q
Lodging .....	Q	Q	47	387	438	649	Q	Q	71.8
Mercantile .....	148	86	127	1,778	742	1,732	83.1	115.6	73.4
Retail (Other Than Mall) .....	39	Q	40	594	210	753	66.3	Q	52.8
Enclosed and Strip Malls .....	108	Q	Q	1,185	532	979	91.4	Q	Q
Office .....	124	58	117	1,343	629	1,796	92.3	91.9	65.1
Public Assembly .....	Q	Q	Q	498	Q	468	Q	Q	Q
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	20	Q	Q	467	Q	341	42.1	Q	Q
Service .....	Q	Q	Q	298	345	319	Q	Q	Q
Warehouse and Storage .....	30	Q	25	1,740	506	1,066	17.5	Q	23.3
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant .....	Q	Q	Q	350	Q	Q	Q	Q	Q
<b>Year Constructed</b>									
Before 1920 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1920 to 1945 .....	Q	Q	48	398	Q	804	Q	Q	59.7
1946 to 1959 .....	33	25	50	500	255	891	65.7	98.4	56.3
1960 to 1969 .....	46	64	63	697	615	1,045	66.3	103.4	60.3
1970 to 1979 .....	138	133	101	1,865	1,135	1,272	74.1	117.4	79.7
1980 to 1989 .....	201	Q	162	2,270	743	1,994	88.6	131.7	81.2
1990 to 1999 .....	167	64	140	2,126	698	1,648	78.5	92.1	85.0
2000 to 2003 .....	65	36	42	1,026	489	797	63.5	73.7	52.7
<b>Climate Zone: 30-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	N	244	Q	N	2,446	Q	N	99.9	95.1
5,500-7,000 HDD .....	N	136	83	N	1,181	Q	N	115.5	78.8
4,000-5,499 HDD .....	Q	N	Q	Q	N	718	Q	N	96.4
Fewer than 4,000 HDD .....	195	N	389	2,255	N	6,125	86.7	N	63.5
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	457	65	Q	6,258	580	Q	73.0	112.9	Q

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**Table C9A. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for All Buildings, 2003: Part 3**

	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)		
	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific	West South Central	Mountain	Pacific
<b>All Buildings</b> .....	684	446	617	9,022	4,207	8,613	75.8	106.1	71.6
<b>Number of Establishments</b>									
One .....	399	308	381	5,339	2,794	4,982	74.8	110.1	76.6
2 to 5 .....	111	53	109	1,574	595	1,560	70.5	88.9	69.7
6 to 10 .....	Q	Q	26	359	257	367	Q	Q	72.1
11 to 20 .....	Q	Q	Q	412	Q	414	Q	Q	Q
More than 20 .....	Q	Q	Q	992	Q	1,023	Q	Q	Q
Currently Unoccupied .....	Q	Q	Q	346	Q	Q	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	683	446	617	8,634	4,165	8,376	79.2	107.1	73.7
Natural Gas .....	531	389	457	5,453	3,263	5,644	97.4	119.3	81.0
Fuel Oil .....	160	Q	149	1,361	655	1,575	117.6	Q	94.5
District Heat .....	Q	Q	Q	Q	253	413	Q	Q	Q
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	668	431	565	8,029	4,013	7,404	83.1	107.5	76.3
Buildings with Cooling .....	676	420	583	8,226	3,756	7,591	82.2	111.7	76.8
Buildings with Water Heating .....	640	436	584	7,380	3,935	7,292	86.8	110.9	80.1

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>.

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.

**Table C10A. Consumption and Gross Energy Intensity by Climate Zone<sup>a</sup> 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)				
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
<b>All Buildings</b> .....	1,086	1,929	1,243	1,386	879	11,529	18,808	12,503	17,630	11,189	94.2	102.6	99.4	78.6	78.6
<b>Building Floorspace (Square Feet)</b>															
1,001 to 5,000 .....	143	187	90	170	95	1,313	1,709	1,010	1,915	975	108.7	109.6	88.8	89.0	97.9
5,001 to 10,000 .....	110	137	91	156	69	1,248	1,725	1,077	2,024	959	88.1	79.3	84.6	77.1	71.7
10,001 to 25,000 .....	183	286	146	166	118	2,406	3,506	1,498	3,176	2,073	75.9	81.6	97.6	52.3	56.9
25,001 to 50,000 .....	146	212	125	152	107	1,547	2,424	1,382	2,381	1,647	94.4	87.6	90.3	63.7	64.8
50,001 to 100,000 .....	149	273	183	191	118	1,480	2,780	2,011	2,352	1,668	100.8	98.0	90.8	81.2	70.6
100,001 to 200,000 .....	117	336	187	283	141	1,311	2,889	1,881	2,597	1,538	89.4	116.3	99.2	109.1	91.7
200,001 to 500,000 .....	129	226	168	136	94	1,150	2,007	1,678	1,612	1,047	111.8	112.5	99.8	84.1	89.6
Over 500,000 .....	Q	272	254	132	Q	1,073	1,766	1,966	1,573	1,282	Q	153.8	129.4	83.9	Q
<b>Principal Building Activity</b>															
Education .....	141	238	131	186	123	1,537	2,800	1,403	2,435	1,698	91.6	85.2	93.5	76.6	72.6
Food Sales .....	Q	Q	Q	Q	Q	271	368	Q	273	Q	Q	Q	Q	Q	Q
Food Service .....	52	96	Q	134	Q	227	400	219	440	366	230.1	238.7	Q	305.4	Q
Health Care .....	96	161	108	145	83	475	784	564	844	496	202.4	205.8	191.4	171.9	167.7
Inpatient .....	65	127	Q	127	Q	262	450	323	592	278	246.1	283.3	Q	215.0	Q
Outpatient .....	Q	34	Q	Q	Q	213	334	240	252	218	Q	101.5	Q	Q	Q
Lodging .....	69	174	110	104	Q	768	1,314	1,132	1,275	608	90.1	132.1	Q	81.4	Q
Mercantile .....	169	232	163	247	210	1,617	2,337	1,694	3,346	2,197	104.7	99.2	96.3	73.8	95.7
Retail (Other Than Mall) .....	73	64	54	74	55	710	865	695	1,454	592	103.0	73.5	77.7	50.7	92.0
Enclosed and Strip Malls .....	96	168	109	173	156	907	1,473	Q	1,892	1,604	106.1	114.3	109.3	91.5	97.0
Office .....	145	364	298	162	165	1,593	3,165	3,125	2,341	1,985	90.7	114.9	95.4	69.3	83.2
Public Assembly .....	90	74	70	101	35	876	818	806	910	529	102.2	90.8	Q	111.1	65.8
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	360	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	26	62	26	31	19	408	1,320	499	1,039	488	62.9	46.9	52.8	29.4	38.2
Service .....	95	84	64	49	Q	944	1,185	644	969	308	100.4	71.2	99.5	50.3	Q
Warehouse and Storage .....	78	201	73	73	31	1,704	2,639	1,479	2,419	1,836	45.7	76.1	49.5	30.1	16.9
Other .....	Q	Q	Q	Q	Q	334	467	Q	Q	Q	Q	Q	Q	Q	Q
Vacant .....	Q	Q	Q	Q	Q	543	849	Q	569	318	Q	Q	Q	Q	Q
<b>Year Constructed</b>															
Before 1920 .....	109	99	Q	Q	Q	1,227	1,413	731	290	Q	88.6	70.2	89.0	Q	Q
1920 to 1945 .....	86	262	199	57	Q	1,089	2,266	1,985	1,239	405	79.3	115.5	100.2	45.7	Q
1946 to 1959 .....	86	236	124	114	28	1,093	2,508	1,446	1,663	552	78.7	94.2	86.0	68.3	49.9
1960 to 1969 .....	156	254	158	141	81	1,447	2,576	1,576	1,997	1,046	108.0	98.8	100.3	70.5	77.7
1970 to 1979 .....	274	344	212	217	143	2,496	3,259	1,942	2,783	1,796	109.8	105.7	109.2	77.9	79.9
1980 to 1989 .....	110	343	222	354	217	1,123	2,808	2,110	3,850	2,576	98.2	122.2	105.3	91.9	84.3
1990 to 1999 .....	195	266	164	371	264	2,120	2,655	1,764	4,207	3,235	92.2	100.3	93.1	88.3	81.6
2000 to 2003 .....	69	124	98	112	108	934	1,322	949	1,601	1,456	73.6	93.5	103.3	70.0	74.4
<b>Census Region and Division</b>															
Northeast .....	211	597	588	N	N	2,567	5,989	5,440	N	N	82.2	99.8	108.0	N	N
New England .....	62	282	N	N	N	Q	2,463	N	N	N	63.1	114.5	N	N	N
Middle Atlantic .....	Q	315	588	N	N	1,577	3,526	5,440	N	N	94.2	89.4	108.0	N	N
Midwest .....	573	1,112	114	N	N	5,910	10,584	1,609	N	N	97.0	105.1	70.5	N	N
East North Central .....	333	1,010	N	N	N	3,208	9,215	N	N	N	103.8	109.6	N	N	N
West North Central .....	240	102	114	N	N	2,702	Q	1,609	N	N	88.9	74.6	70.5	N	N
South .....	N	N	472	997	796	N	N	4,736	11,506	10,497	N	N	99.7	86.6	75.8
South Atlantic .....	N	N	311	635	296	N	N	3,065	7,126	3,807	N	N	101.4	89.0	77.7
East South Central .....	N	N	Q	Q	Q	N	N	Q	Q	Q	N	N	112.3	78.5	98.9
West South Central .....	N	N	Q	195	457	N	N	Q	2,255	6,258	N	N	Q	86.7	73.0
West .....	302	219	Q	389	84	3,052	2,234	718	6,125	692	99.0	98.2	96.4	63.5	121.0
Mountain .....	244	136	N	N	65	2,446	1,181	N	N	580	99.9	115.5	N	N	112.9
Pacific .....	Q	83	Q	389	Q	Q	Q	718	6,125	Q	95.1	78.8	96.4	63.5	Q

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**Table C10A. Consumption and Gross Energy Intensity by Climate Zone<sup>a</sup> 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)				
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
<b>All Buildings</b> .....	1,086	1,929	1,243	1,386	879	11,529	18,808	12,503	17,630	11,189	94.2	102.6	99.4	78.6	78.6
<b>Number of Establishments</b>															
One .....	696	1,333	777	896	465	7,138	12,514	7,713	11,616	6,163	97.6	106.5	100.7	77.1	75.5
2 to 5 .....	252	321	196	276	117	2,527	3,217	2,021	3,008	1,792	99.8	99.6	96.8	91.6	65.4
6 to 10 .....	57	117	60	51	93	584	867	530	586	791	97.8	135.0	113.5	86.7	117.6
11 to 20 .....	Q	80	64	72	68	Q	747	793	694	723	Q	106.9	80.5	104.3	94.7
More than 20 .....	Q	Q	Q	89	134	538	641	1,227	1,236	1,417	Q	Q	Q	72.4	94.7
Currently Unoccupied .....	Q	Q	Q	Q	Q	Q	821	Q	491	303	Q	Q	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>															
Electricity .....	1,086	1,929	1,243	1,386	879	11,300	18,549	12,374	17,064	10,894	96.1	104.0	100.4	81.2	80.7
Natural Gas .....	893	1,551	990	1,054	555	8,486	14,122	8,970	11,796	5,098	105.2	109.8	110.3	89.3	108.9
Fuel Oil .....	303	529	539	284	212	2,624	4,285	4,950	2,528	1,878	115.6	123.4	108.8	112.3	112.9
District Heat .....	Q	Q	228	Q	Q	825	1,917	1,349	1,025	460	Q	Q	168.7	Q	Q
<b>Energy End Uses (more than one may apply)</b>															
Buildings with Space Heating .....	1,081	1,917	1,236	1,330	806	10,996	18,181	12,238	15,705	9,325	98.3	105.5	101.0	84.7	86.4
Buildings with Cooling .....	1,001	1,717	1,210	1,348	873	9,438	15,947	11,906	15,798	10,472	106.1	107.7	101.7	85.3	83.4
Buildings with Water Heating .....	1,058	1,731	1,223	1,325	821	10,335	16,526	11,765	14,976	9,225	102.4	104.8	103.9	88.5	89.0

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>.

a Climate zone (30-year average) definitions: Zone 1 = Under 2,000 CDD and more than 7,000 HDD; Zone 2 = Under 2,000 CDD and 5,500-7,000 HDD; Zone 3 = Under 2,000 CDD and 4,000-5,499 HDD; Zone 4 = Under 2,000 CDD and fewer than 4,000 HDD; Zone 5 = 2,000 CDD or more and fewer than 4,000 HDD. (See "Glossary" for definitions of CDD and HDD.)

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.

**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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**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>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.

**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
<b>All Buildings</b> .....	1,522	3,228	1,772	18,031	33,384	20,243	84.4	96.7	87.6
<b>Building Floorspace (Square Feet)</b>									
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
<b>Principal Building Activity</b>									
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
<b>Census Region and Division</b>									
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
<b>Climate Zone: 30-Year Average</b>									
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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**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
<b>All Buildings</b> .....	1,522	3,228	1,772	18,031	33,384	20,243	84.4	96.7	87.6
<b>Number of Establishments</b>									
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
<b>Energy Sources (more than one may apply)</b>									
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
<b>Energy End Uses (more than one may apply)</b>									
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.