

**Table C31A. Natural Gas Consumption and Conditional Energy Intensity by Building Size for All Buildings, 2003**

	Total Natural Gas Consumption (billion cubic feet)			Total Floorspace of Buildings Using Natural Gas (million square feet)			Natural Gas Energy Intensity (cubic feet/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> .....	467	882	688	7,144	21,928	19,401	65.4	40.2	35.5
<b>Principal Building Activity</b>									
Education .....	Q	137	101	419	3,629	2,997	53.9	37.6	33.7
Food Sales .....	16	Q	Q	339	Q	Q	46.6	Q	Q
Food Service .....	149	48	N	774	622	N	192.5	77.2	N
Health Care .....	12	37	187	233	520	1,792	49.5	70.8	104.4
Inpatient .....	N	Q	181	N	Q	1,662	N	Q	109.0
Outpatient .....	12	20	Q	233	377	Q	49.5	52.3	Q
Lodging .....	Q	83	113	Q	1,750	2,374	Q	47.6	47.4
Mercantile .....	60	134	61	1,094	3,572	3,205	55.2	37.6	19.1
Retail (Other Than Mall) .....	38	39	12	726	1,406	734	52.7	27.7	15.7
Enclosed and Strip Malls .....	22	95	50	367	2,167	2,471	60.0	44.0	20.1
Office .....	59	115	87	1,400	3,138	3,670	42.4	36.7	23.7
Public Assembly .....	19	54	26	464	1,259	1,000	41.5	42.9	Q
Public Order and Safety .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship .....	28	49	Q	663	1,785	Q	42.7	27.7	Q
Service .....	55	71	Q	783	1,394	Q	69.8	50.7	Q
Warehouse and Storage .....	18	66	45	522	2,538	2,434	34.2	26.0	18.4
Other .....	Q	42	38	Q	458	681	Q	91.1	Q
Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Year Constructed</b>									
Before 1920 .....	32	76	31	575	1,541	658	56.3	49.2	47.1
1920 to 1945 .....	61	93	71	993	2,007	1,776	61.9	46.2	39.9
1946 to 1959 .....	49	97	70	830	2,471	1,556	59.0	39.4	44.9
1960 to 1969 .....	48	137	82	891	3,200	2,049	53.6	43.0	40.2
1970 to 1979 .....	91	144	154	1,342	3,624	3,829	67.7	39.8	40.4
1980 to 1989 .....	65	139	124	970	3,203	3,654	67.3	43.3	34.0
1990 to 1999 .....	100	140	94	1,251	4,198	3,756	80.1	33.4	25.0
2000 to 2003 .....	20	55	61	291	1,684	2,124	69.3	32.6	28.8
<b>Census Region and Division</b>									
Northeast .....	89	172	188	1,208	4,183	4,771	73.4	41.1	39.3
New England .....	Q	33	Q	Q	910	Q	Q	36.5	Q
Middle Atlantic .....	74	139	151	945	3,273	4,083	78.5	42.4	36.9
Midwest .....	155	353	220	2,151	7,072	4,922	72.1	49.9	44.7
East North Central .....	118	256	176	1,484	5,038	3,834	79.2	50.8	46.0
West North Central .....	37	97	44	666	2,034	1,088	56.3	47.7	40.0
South .....	137	201	173	2,351	6,615	6,294	58.3	30.4	27.4
South Atlantic .....	63	86	89	1,022	2,907	3,357	61.5	29.7	26.6
East South Central .....	20	56	28	449	1,537	534	44.5	36.5	52.4
West South Central .....	54	59	55	880	2,171	2,403	61.7	27.1	23.0
West .....	86	155	108	1,435	4,057	3,415	60.2	38.3	31.6
Mountain .....	36	85	63	558	1,563	1,143	65.5	54.7	54.9
Pacific .....	50	70	45	877	2,495	2,272	56.8	28.0	19.9
<b>Climate Zone: 30-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	107	223	124	1,332	4,387	2,766	80.0	50.9	44.9
5,500-7,000 HDD .....	141	313	261	2,045	6,677	5,399	68.9	46.8	48.3
4,000-5,499 HDD .....	68	157	132	1,066	3,615	4,290	63.5	43.5	30.7
Fewer than 4,000 HDD .....	119	139	120	2,075	5,400	4,321	57.4	25.7	27.7
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	33	50	51	625	1,848	2,625	52.4	27.0	19.6

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<b>All Buildings</b> .....	467	882	688	7,144	21,928	19,401	65.4	40.2	35.5
<b>Number of Establishments</b>									
One .....	384	604	430	5,549	14,298	10,672	69.2	42.2	40.3
2 to 5 .....	71	168	109	1,349	4,576	2,790	52.6	36.7	39.2
6 to 10 .....	Q	60	23	Q	1,411	836	Q	42.9	27.9
11 to 20 .....	N	32	35	N	972	1,251	N	33.2	27.9
More than 20 .....	Q	Q	82	Q	Q	3,416	Q	Q	23.9
Currently Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	467	882	688	7,142	21,928	19,396	65.4	40.2	35.5
Natural Gas .....	467	882	688	7,144	21,928	19,401	65.4	40.2	35.5
Fuel Oil .....	Q	102	394	Q	2,243	8,778	Q	45.6	44.9
District Heat .....	Q	Q	41	Q	Q	2,088	Q	Q	19.4
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	452	876	686	6,984	21,670	19,150	64.7	40.4	35.8
Buildings with Cooling .....	421	838	668	6,439	20,485	18,932	65.4	40.9	35.3
Buildings with Water Heating .....	443	849	682	6,315	20,557	19,013	70.2	41.3	35.9
<b>Annual Consumption (hundred cubic feet)</b>									
1,000 or Less .....	33	3	Q	2,102	1,299	997	15.7	2.1	0.2
1,001 to 5,000 .....	178	78	2	3,754	5,464	1,166	47.3	14.3	1.3
5,001 to 10,000 .....	115	146	5	783	4,848	1,317	146.5	30.1	3.7
10,001 to 25,000 .....	97	275	18	407	5,980	2,217	237.4	46.0	8.3
25,001 to 50,000 .....	Q	217	62	Q	3,180	3,522	Q	68.3	17.5
50,001 to 100,000 .....	N	118	117	N	962	3,753	N	122.4	31.1
Over 100,000 .....	N	Q	485	N	Q	6,429	N	Q	75.4

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 natural gas.

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.