

Table E7A. Natural Gas Consumption (Btu) and Energy Intensities by End Use for All Buildings, 2003

	Total Natural Gas Consumption (trillion Btu)					Natural Gas Energy Intensity (thousand Btu/square foot)				
	Total	Space Heating	Water Heating	Cooking	Other	Total	Space Heating	Water Heating	Cooking	Other
All Buildings	2,100	1,420	348	164	168	43.3	29.3	7.2	3.4	3.5
Building Floorspace (Square Feet)										
1,001 to 5,000	257	161	36	42	18	81.0	50.6	11.3	13.3	5.8
5,001 to 10,000	224	152	33	32	7	56.5	38.3	8.4	8.1	1.7
10,001 to 25,000	353	273	35	26	19	45.2	34.9	4.5	3.3	2.4
25,001 to 50,000	278	202	43	14	Q	42.2	30.6	6.5	2.1	3.0
50,001 to 100,000	277	192	47	14	25	36.9	25.6	6.2	1.8	3.3
100,001 to 200,000	275	187	58	10	20	36.5	24.8	7.7	1.3	2.7
200,001 to 500,000	211	138	44	11	17	35.8	23.4	7.5	1.9	2.9
Over 500,000	224	115	52	14	42	37.5	19.3	8.7	2.4	7.0
Principal Building Activity										
Education	268	207	37	5	19	38.1	29.5	5.2	0.7	2.7
Food Sales	39	27	2	8	Q	51.7	35.6	3.2	11.2	Q
Food Service	203	54	56	91	Q	145.6	39.0	40.0	65.4	Q
Health Care	243	136	74	10	23	95.3	53.6	28.9	3.8	9.1
Inpatient	204	103	71	9	21	113.2	56.8	39.4	5.2	11.9
Outpatient	38	34	3	Q	Q	51.8	45.6	3.5	Q	Q
Lodging	215	64	124	14	Q	50.4	15.0	29.2	3.3	Q
Mercantile	264	188	19	24	33	33.5	23.9	2.4	3.1	4.1
Retail (Other Than Mall)	91	84	3	3	2	31.9	29.3	1.0	0.9	0.7
Enclosed and Strip Malls	172	104	16	22	31	34.4	20.9	3.1	4.3	6.1
Office	269	230	13	3	23	32.8	28.1	1.6	0.3	2.8
Public Assembly	102	92	2	3	Q	37.5	33.8	0.9	1.0	Q
Public Order and Safety	29	15	10	Q	Q	45.0	24.1	15.1	Q	Q
Religious Worship	82	77	2	3	Q	31.2	29.1	0.9	1.0	Q
Service	139	119	2	Q	17	55.8	47.8	0.9	Q	Q
Warehouse and Storage	132	111	4	Q	Q	24.1	20.2	0.7	Q	Q
Other	87	72	2	Q	12	69.7	57.9	1.7	Q	9.4
Vacant	28	26	Q	Q	Q	23.7	22.0	Q	Q	Q
Year Constructed										
Before 1920	143	114	12	15	Q	51.7	41.0	4.4	5.5	Q
1920 to 1945	232	152	24	18	38	48.6	31.8	5.1	3.8	7.9
1946 to 1959	223	163	35	11	14	45.9	33.5	7.2	2.4	2.8
1960 to 1969	276	200	47	12	17	44.9	32.6	7.6	2.0	2.7
1970 to 1979	402	272	72	28	30	45.7	31.0	8.2	3.1	3.4
1980 to 1989	339	207	72	28	31	43.3	26.4	9.2	3.6	4.0
1990 to 1999	345	226	58	33	27	37.5	24.6	6.3	3.6	3.0
2000 to 2003	140	86	28	17	9	34.3	21.0	6.9	4.2	2.2
Census Region and Division										
Northeast	462	332	51	34	45	45.5	32.7	5.1	3.3	4.4
New England	87	69	Q	Q	5	46.8	36.9	4.3	2.8	2.9
Middle Atlantic	375	263	44	29	39	45.2	31.7	5.2	3.5	4.7
Midwest	751	589	82	32	47	53.1	41.7	5.8	2.3	3.3
East North Central	567	452	62	23	30	54.8	43.7	6.0	2.2	2.9
West North Central	184	137	20	9	Q	48.5	36.2	5.4	2.4	4.5
South	527	291	129	68	38	34.5	19.1	8.4	4.5	2.5
South Atlantic	246	132	60	32	22	33.7	18.1	8.2	4.4	3.0
East South Central	107	69	25	8	5	42.6	27.4	10.0	3.3	1.8
West South Central	174	90	44	28	12	31.8	16.5	8.0	5.1	2.2
West	360	208	85	29	38	40.5	23.4	9.6	3.3	4.3
Mountain	190	132	35	6	17	58.4	40.5	10.8	2.0	5.1
Pacific	170	76	50	23	21	30.1	13.5	8.9	4.0	3.8

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	Total Natural Gas Consumption (trillion Btu)					Natural Gas Energy Intensity (thousand Btu/square foot)				
	Total	Space Heating	Water Heating	Cooking	Other	Total	Space Heating	Water Heating	Cooking	Other
All Buildings	2,100	1,420	348	164	168	43.3	29.3	7.2	3.4	3.5
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	468	381	48	18	20	55.2	44.9	5.7	2.2	2.4
5,500-7,000 HDD	737	553	96	40	49	52.2	39.1	6.8	2.8	3.5
4,000-5,499 HDD	368	231	55	32	49	41.0	25.8	6.1	3.6	5.5
Fewer than 4,000 HDD	389	209	96	46	39	33.0	17.7	8.1	3.9	3.3
2,000 CDD or More and --										
Fewer than 4,000 HDD	138	46	54	27	11	27.1	9.0	10.5	5.4	2.2
Number of Establishments										
One	1,462	971	275	118	98	47.9	31.8	9.0	3.9	3.2
2 to 5	359	265	45	24	24	41.2	30.5	5.2	2.7	2.8
6 to 10	95	68	9	8	11	39.8	28.5	3.7	3.1	4.4
11 to 20	69	47	8	6	8	31.1	21.0	3.5	2.9	3.7
More than 20	96	52	11	7	Q	26.1	14.0	3.0	2.0	Q
Currently Unoccupied	18	17	(*)	Q	Q	19.4	18.5	0.1	Q	Q
Energy Sources (more than one may apply)										
Electricity	2,100	1,420	348	164	168	43.3	29.3	7.2	3.4	3.5
Natural Gas	2,100	1,420	348	164	168	43.3	29.3	7.2	3.4	3.5
Fuel Oil	523	291	147	30	55	46.3	25.7	13.0	2.7	4.8
District Heat	48	24	10	7	6	18.6	9.4	4.0	2.8	2.4
Energy End Uses (more than one may apply)										
Buildings with Space Heating	2,077	1,420	343	158	155	43.4	29.7	7.2	3.3	3.3
Buildings with Cooling	1,987	1,337	335	160	155	43.3	29.1	7.3	3.5	3.4
Buildings with Water Heating	2,035	1,361	348	163	163	44.4	29.7	7.6	3.6	3.6
Annual Consumption (hundred cubic feet)										
1,000 or Less	37	31	4	1	Q	8.4	7.0	1.0	0.3	Q
1,001 to 5,000	265	218	25	16	6	25.5	21.0	2.4	1.6	0.6
5,001 to 10,000	274	192	36	36	9	39.4	27.6	5.2	5.2	1.3
10,001 to 25,000	402	261	65	47	30	46.8	30.4	7.5	5.4	3.5
25,001 to 50,000	334	223	49	33	28	49.1	32.8	7.2	4.9	4.2
50,001 to 100,000	242	159	42	10	31	51.2	33.7	8.9	2.1	6.6
Over 100,000	546	336	127	20	63	82.4	50.8	19.2	3.0	9.5

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>.

(*)=Value rounds to zero in the units displayed.

Q=Data withheld because fewer than 20 buildings were sampled for any cell, or because the Relative Standard Error (RSE) was greater than 50 percent for a cell in the "Total" column.

Note: Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.