

Table C24A. Natural Gas Consumption and Expenditure Intensities for All Buildings, 2003

	Natural Gas Consumption					Natural Gas Expenditures		
	per Building (thousand cubic feet)	per Square Foot (cubic feet)	Distribution of Building-Level Intensities (cubic feet/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Cubic Feet (dollars)
			25th Percentile	Median	75th Percentile			
All Buildings	803	42.0	17.9	37.4	71.0	6.3	0.33	7.86
Building Floorspace (Square Feet)								
1,001 to 5,000	220	78.6	23.8	46.8	92.0	2.0	0.70	8.93
5,001 to 10,000	410	54.8	15.0	29.6	66.2	3.4	0.46	8.41
10,001 to 25,000	685	43.8	16.2	31.0	55.9	5.8	0.37	8.45
25,001 to 50,000	1,464	40.9	16.0	31.0	55.4	11.1	0.31	7.60
50,001 to 100,000	2,519	35.8	10.8	28.6	48.9	20.1	0.29	7.97
100,001 to 200,000	4,898	35.4	6.4	23.8	51.9	36.1	0.26	7.36
200,001 to 500,000	10,109	34.7	10.0	23.2	47.2	69.1	0.24	6.83
Over 500,000	34,579	36.4	4.0	17.5	48.8	239.4	0.25	6.92
Principal Building Activity								
Education	1,223	36.9	14.9	31.9	60.8	8.9	0.27	7.27
Food Sales	383	50.2	18.9	39.8	69.4	3.4	0.44	8.85
Food Service	870	141.2	77.0	150.3	301.8	7.1	1.16	8.20
Health Care	3,283	92.5	19.1	40.1	65.7	21.5	0.60	6.54
Inpatient	28,222	109.8	77.1	112.3	145.1	176.8	0.69	6.26
Outpatient	574	50.2	16.2	34.2	56.0	4.6	0.40	8.01
Lodging	2,432	48.9	19.8	36.7	76.4	18.5	0.37	7.59
Mercantile	653	32.5	18.4	34.0	70.2	5.6	0.28	8.62
Retail (Other Than Mall)	362	30.9	16.5	28.7	66.8	2.9	0.25	8.11
Enclosed and Strip Malls	1,142	33.4	23.2	41.7	71.8	10.1	0.30	8.89
Office	535	31.8	17.2	35.7	56.9	4.5	0.27	8.42
Public Assembly	678	36.4	13.0	28.9	53.5	5.3	0.28	7.83
Public Order and Safety	771	43.7	26.6	49.8	76.8	6.5	0.37	8.43
Religious Worship	362	30.3	12.9	29.5	53.0	3.0	0.25	8.33
Service	481	54.1	22.9	44.5	82.6	3.9	0.44	8.12
Warehouse and Storage	687	23.4	9.3	22.1	37.5	5.2	0.18	7.60
Other	1,885	67.6	22.6	46.3	82.8	15.3	0.55	8.09
Vacant	557	23.0	7.4	21.7	44.6	4.5	0.19	8.14
Year Constructed								
Before 1920	684	50.2	24.6	45.9	70.7	5.6	0.41	8.17
1920 to 1945	654	47.1	17.5	34.5	68.2	5.0	0.36	7.71
1946 to 1959	671	44.5	21.9	39.0	76.5	5.2	0.34	7.72
1960 to 1969	819	43.6	19.1	39.6	70.9	6.3	0.34	7.71
1970 to 1979	917	44.3	19.9	37.7	73.7	6.8	0.33	7.38
1980 to 1989	957	42.0	15.9	32.2	71.8	7.8	0.34	8.17
1990 to 1999	746	36.3	15.2	31.9	69.6	6.1	0.30	8.14
2000 to 2003	1,087	33.2	13.7	35.0	67.0	9.0	0.27	8.26
Census Region and Division								
Northeast	1,047	44.1	22.9	45.2	79.2	9.1	0.38	8.66
New England	932	45.4	21.9	41.1	65.0	8.9	0.43	9.54
Middle Atlantic	1,078	43.8	24.2	48.4	81.8	9.1	0.37	8.46
Midwest	868	51.5	25.9	46.3	80.2	6.2	0.37	7.16
East North Central	953	53.1	27.4	47.7	84.0	6.9	0.38	7.22
West North Central	680	47.0	23.4	45.2	74.1	4.8	0.33	7.00
South	666	33.5	12.8	26.4	54.5	5.7	0.29	8.53
South Atlantic	713	32.7	13.4	30.3	55.7	6.7	0.31	9.33
East South Central	629	41.3	14.4	24.9	45.9	5.2	0.34	8.35
West South Central	630	30.9	9.9	25.2	58.9	4.7	0.23	7.49
West	694	39.3	11.7	27.4	59.9	5.1	0.29	7.31
Mountain	913	56.6	28.4	50.3	90.9	6.2	0.38	6.78
Pacific	547	29.2	8.2	17.3	39.8	4.3	0.23	7.91

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	Natural Gas Consumption					Natural Gas Expenditures		
	per Building (thousand cubic feet)	per Square Foot (cubic feet)	Distribution of Building-Level Intensities (cubic feet/square foot)					
			25th Per-centile	Median	75th Per-centile	per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Cubic Feet (dollars)
All Buildings	803	42.0	17.9	37.4	71.0	6.3	0.33	7.86
Climate Zone: 30-Year Average								
Under 2,000 CDD and --.....								
More than 7,000 HDD	883	53.5	29.6	48.1	84.4	6.5	0.39	7.33
5,500-7,000 HDD	931	50.6	25.9	46.4	80.2	7.1	0.38	7.58
4,000-5,499 HDD	954	39.7	20.2	38.4	71.3	8.0	0.33	8.39
Fewer than 4,000 HDD	553	32.0	11.7	23.4	45.9	4.7	0.27	8.52
2,000 CDD or More and --								
Fewer than 4,000 HDD	674	26.3	6.4	16.1	47.9	5.3	0.21	7.90
Number of Establishments								
One	742	46.5	19.3	38.4	74.4	5.7	0.36	7.72
2 to 5	757	40.0	16.3	36.3	66.9	6.2	0.33	8.15
6 to 10	1,074	38.6	17.1	39.5	57.4	9.1	0.33	8.45
11 to 20	2,431	30.2	11.9	26.4	51.9	20.1	0.25	8.26
More than 20	Q	25.3	9.1	30.1	40.3	Q	0.20	7.98
Currently Unoccupied	480	18.8	8.4	21.7	47.1	3.9	0.15	8.10
Energy Sources (more than one may apply)								
Electricity	803	42.0	17.9	37.4	70.9	6.3	0.33	7.86
Natural Gas	803	42.0	17.9	37.4	71.0	6.3	0.33	7.86
Fuel Oil	3,549	44.9	12.0	35.3	65.7	25.7	0.33	7.25
District Heat	1,877	18.0	1.3	3.5	9.7	13.4	0.13	7.15
Energy End Uses (more than one may apply)								
Buildings with Space Heating	811	42.1	18.8	37.7	71.3	6.4	0.33	7.85
Buildings with Cooling	842	42.0	18.0	36.9	71.3	6.6	0.33	7.86
Buildings with Water Heating	874	43.0	19.3	39.4	74.5	6.8	0.34	7.83
Annual Consumption (hundred cubic feet)								
1,000 or Less	53	8.2	6.6	15.2	30.6	0.6	0.09	11.59
1,001 to 5,000	241	24.8	21.9	38.8	68.0	2.2	0.23	9.27
5,001 to 10,000	707	38.2	35.0	62.2	142.4	6.1	0.33	8.63
10,001 to 25,000	1,508	45.4	38.9	73.1	150.3	12.2	0.37	8.07
25,001 to 50,000	3,347	47.6	42.3	69.7	150.1	26.1	0.37	7.79
50,001 to 100,000	6,948	49.7	40.1	73.3	117.7	48.5	0.35	6.98
Over 100,000	24,523	79.9	55.3	90.2	137.8	167.3	0.55	6.82

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. • 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.