

Table C24. Natural gas consumption and expenditure intensities, 2012

	Natural gas consumption			Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Building floorspace (square feet)									
1,001 to 5,000	199	66.4	45.6	17.0	35.6	73.2	1.7	0.6	8.7
5,001 to 10,000	366	50.2	42.3	10.8	24.8	52.8	3.0	0.4	8.1
10,001 to 25,000	541	33.6	28.9	8.8	20.2	42.3	4.7	0.3	8.6
25,001 to 50,000	1,220	34.0	31.8	9.2	21.3	44.5	9.3	0.3	7.6
50,001 to 100,000	2,327	33.2	37.5	9.2	22.2	42.7	18.5	0.3	8.0
100,001 to 200,000	4,198	30.1	34.0	6.5	18.8	39.0	33.5	0.2	8.0
200,001 to 500,000	10,330	36.4	38.6	8.0	21.6	44.1	73.9	0.3	7.2
Over 500,000	35,203	38.6	29.5	3.1	12.4	41.7	242.4	0.3	6.9
Principal building activity									
Education	1,215	29.8	33.1	10.7	23.8	49.1	9.4	0.2	7.8
Food sales	634	61.3	63.6	18.3	46.4	75.9	5.1	0.5	8.1
Food service	783	159.2	80.8	51.3	132.5	255.3	6.0	1.2	7.7
Health care	2,714	78.5	43.5	12.1	21.6	47.1	19.1	0.6	7.0
Inpatient	26,609	101.1	55.6	21.2	85.0	129.0	179.5	0.7	6.8
Outpatient	514	38.0	21.3	11.2	21.0	42.9	4.3	0.3	8.4
Lodging	2,169	43.8	83.7	19.5	36.0	65.5	16.4	0.3	7.6
Mercantile	799	33.5	42.6	12.0	25.4	50.1	6.7	0.3	8.4
Retail (other than mall)	312	21.5	30.7	10.8	20.8	39.2	2.6	0.2	8.4
Enclosed and strip malls	1,714	41.3	49.1	16.4	42.7	93.4	14.5	0.4	8.4
Office	463	26.8	12.4	10.4	22.8	40.0	3.9	0.2	8.4
Public assembly	643	33.9	60.4	13.6	28.4	46.7	5.2	0.3	8.1
Public order and safety	751	39.5	32.2	16.6	25.9	47.7	5.9	0.3	7.8
Religious worship	371	28.1	67.8	10.6	21.7	44.7	3.0	0.2	8.2
Service	351	42.7	43.6	13.6	29.9	63.5	2.8	0.3	8.0
Warehouse and storage	520	19.4	34.0	5.6	14.6	29.9	4.3	0.2	8.3
Other	1,334	57.2	64.6	13.8	28.8	72.5	9.7	0.4	7.3
Vacant	281	13.9	82.8	5.8	16.5	29.5	2.5	0.1	8.8
Year constructed									
Before 1920	422	36.8	38.7	13.6	29.4	58.6	3.7	0.3	8.9
1920 to 1945	492	37.3	33.6	15.0	37.0	63.6	4.1	0.3	8.3
1946 to 1959	582	36.1	39.8	12.9	27.1	50.0	4.8	0.3	8.2
1960 to 1969	765	40.6	42.1	11.7	26.8	59.2	6.0	0.3	7.8
1970 to 1979	816	41.6	33.9	12.9	29.8	62.7	6.3	0.3	7.7
1980 to 1989	757	33.0	27.8	10.8	24.9	47.9	6.1	0.3	8.0
1990 to 1999	812	36.0	34.3	11.7	24.1	54.0	6.2	0.3	7.7
2000 to 2003	845	32.6	30.7	10.7	23.5	49.7	6.6	0.3	7.8
2004 to 2007	1,163	40.9	46.6	12.3	26.2	54.9	8.9	0.3	7.7
2008 to 2012	1,128	40.7	38.8	10.0	19.3	61.1	8.6	0.3	7.6

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	Natural gas consumption								
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	Distribution of building-level intensities (cubic feet/square foot)		Natural gas expenditures			
				25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Census region and division									
Northeast	1,125	44.0	36.4	16.1	35.1	63.5	10.6	0.4	9.4
New England	1,104	48.1	46.6	12.6	26.0	45.2	10.9	0.5	9.9
Middle Atlantic	1,131	43.0	34.2	17.6	39.2	73.2	10.5	0.4	9.3
Midwest	743	41.7	43.9	17.0	32.0	56.0	5.2	0.3	7.0
East North Central	835	44.6	45.8	18.9	34.3	59.1	5.8	0.3	6.9
West North Central	545	34.3	38.5	13.5	24.3	49.9	3.9	0.3	7.2
South	632	30.2	30.6	8.9	22.1	52.3	5.0	0.2	8.0
South Atlantic	770	29.8	30.2	9.6	24.1	62.7	6.8	0.3	8.9
East South Central	529	29.4	32.2	9.6	21.6	33.1	4.1	0.2	7.8
West South Central	542	31.1	30.6	8.0	20.2	52.0	3.7	0.2	6.8
West	678	37.6	31.7	8.1	23.8	53.7	5.0	0.3	7.3
Mountain	731	42.3	43.6	15.6	30.4	59.0	4.9	0.3	6.7
Pacific	654	35.7	27.9	6.5	20.4	49.7	5.0	0.3	7.6
Climate region¹									
Very cold/Cold	847	43.7	43.3	18.0	34.0	59.0	6.5	0.3	7.7
Mixed-humid	688	33.1	32.1	11.9	24.3	56.5	5.8	0.3	8.5
Mixed-dry/Hot-dry	582	33.1	27.7	6.0	15.5	40.1	4.0	0.2	6.9
Hot-humid	776	31.4	27.3	6.7	19.4	55.4	5.9	0.2	7.6
Marine	706	32.7	26.0	9.2	21.1	46.4	6.3	0.3	8.9
Number of floors									
One	489	36.6	37.8	12.3	27.5	59.6	4.0	0.3	8.2
Two	689	34.0	34.1	11.9	24.0	48.5	5.5	0.3	7.9
Three	894	36.0	36.6	13.4	29.4	53.6	6.9	0.3	7.8
Four to nine	3,478	44.3	36.9	10.4	29.1	56.5	26.0	0.3	7.5
Ten or more	17,357	39.7	23.2	4.6	26.6	43.2	127.7	0.3	7.4
Number of workers (main shift)									
Fewer than 5	211	32.8	96.6	14.1	27.9	54.0	1.8	0.3	8.6
5 to 9	325	36.8	51.1	10.8	24.2	55.4	2.8	0.3	8.5
10 to 19	583	42.8	44.6	12.1	28.3	69.0	4.6	0.3	7.9
20 to 49	1,061	34.8	36.2	11.7	26.2	55.7	8.5	0.3	8.0
50 to 99	2,283	34.1	34.9	8.5	21.2	47.9	18.2	0.3	8.0
100 to 249	4,449	37.0	31.8	9.5	29.8	56.5	34.4	0.3	7.7
250 or more	14,690	44.7	21.2	6.5	21.7	54.2	102.4	0.3	7.0
Weekly operating hours									
Fewer than 40	219	25.6	46.7	12.1	24.8	44.7	1.8	0.2	8.3
40 to 48	347	25.3	21.6	10.6	22.6	40.7	2.9	0.2	8.4
49 to 60	476	25.7	21.4	10.5	22.7	46.7	3.9	0.2	8.2
61 to 84	1,009	39.9	39.1	14.0	33.9	89.1	8.3	0.3	8.2
85 to 167	1,211	50.5	55.5	19.7	54.2	155.0	9.6	0.4	7.9
Open continuously	2,437	53.6	49.2	17.7	34.9	71.0	17.7	0.4	7.3

Table C24. Natural gas consumption and expenditure intensities, 2012

	Natural gas consumption			Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Ownership and occupancy									
Nongovernment owned	685	38.3	35.4	11.9	27.0	56.8	5.4	0.3	7.9
Owner occupied	659	42.3	47.2	13.6	28.7	57.1	5.0	0.3	7.6
Leased to tenant(s)	650	35.6	27.4	11.5	27.1	64.3	5.4	0.3	8.4
Owner occupied and leased	1,077	34.1	29.8	7.3	17.7	38.2	8.3	0.3	7.7
Unoccupied	177	12.5	N	5.8	18.9	29.5	1.6	0.1	9.0
Government owned	1,102	34.3	34.2	13.3	25.5	48.6	8.5	0.3	7.8
Federal	1,395	34.0	23.2	14.3	22.9	37.9	10.8	0.3	7.7
State	1,644	42.0	40.3	10.6	28.2	53.3	12.5	0.3	7.6
Local	913	31.2	33.0	13.9	25.6	48.6	7.2	0.2	7.8
Party responsible for operation and maintenance of energy systems									
Building owner	741	36.8	34.5	12.2	26.4	53.3	5.8	0.3	7.8
Business owner or tenant	774	40.6	40.3	11.7	27.5	69.8	6.4	0.3	8.3
Property management	869	33.3	22.0	10.8	30.4	72.3	6.9	0.3	8.0
Other	814	43.0	45.9	18.8	42.2	83.7	6.4	0.3	7.8
Provider of direct input on energy-related equipment purchases									
Building owner	736	36.7	34.4	12.2	26.4	53.1	5.8	0.3	7.8
Business owner or tenant	822	42.8	40.4	10.8	32.2	75.3	6.7	0.4	8.1
Property management	911	32.3	29.1	16.0	43.0	155.0	6.6	0.2	7.2
Other	811	40.9	44.9	13.6	25.0	76.9	7.0	0.4	8.6
Number of establishments									
One	664	40.1	40.0	13.3	28.2	59.6	5.2	0.3	7.8
2 to 5	814	33.6	31.4	9.2	22.7	45.6	6.5	0.3	8.0
6 to 10	1,153	33.8	26.7	7.6	24.5	43.0	9.7	0.3	8.4
11 to 20	2,310	39.7	29.3	13.7	32.6	57.2	18.5	0.3	8.0
More than 20	5,786	22.8	15.9	6.3	22.5	60.5	49.0	0.2	8.5
Currently unoccupied	231	14.1	N	5.8	20.7	30.5	1.9	0.1	8.3
Predominant exterior wall material									
Brick, stone, or stucco	793	39.0	37.0	13.0	29.4	63.0	6.3	0.3	7.9
Concrete (block or poured)	827	35.9	34.9	10.6	26.1	52.2	6.6	0.3	8.0
Concrete panels	1,850	34.2	32.8	4.0	17.4	55.4	12.9	0.2	7.0
Siding or shingles	368	45.3	43.3	16.1	29.8	58.2	3.1	0.4	8.4
Metal panels	336	28.0	34.6	11.8	20.4	44.2	2.8	0.2	8.4
Window glass	3,407	44.4	22.2	18.4	77.5	344.5	28.2	0.4	8.3
Other	Q	46.0	44.9	11.9	20.2	30.1	Q	0.3	6.6
No one major type	865	30.6	Q	20.5	36.0	53.0	6.9	0.3	8.0

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	Natural gas consumption			Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Predominant roof material									
Metal surfacing	365	30.1	34.8	11.8	23.5	47.6	3.1	0.3	8.4
Synthetic or rubber	1,334	41.9	39.4	14.6	29.6	62.0	10.4	0.3	7.8
Built-up	1,102	35.5	31.6	9.2	24.9	55.5	8.3	0.3	7.6
Slate or tile shingles	506	39.7	41.8	14.8	38.2	73.2	4.1	0.3	8.1
Wooden materials (including shingles)	506	65.7	63.2	11.3	34.0	72.7	3.6	0.5	7.2
Asphalt, fiberglass, or other shingles	445	36.3	32.1	12.1	28.3	54.9	3.6	0.3	8.1
Concrete	1,271	27.5	16.1	4.0	18.6	38.7	9.8	0.2	7.7
Other	1,065	32.8	38.9	10.7	20.2	40.6	8.8	0.3	8.3
No one major type	939	23.5	Q	15.2	19.1	53.6	9.1	0.2	9.7
Roof characteristics									
Roof tilt									
Flat	1,199	39.6	33.5	11.6	27.9	65.1	9.2	0.3	7.7
Shallow pitch	460	32.4	36.1	11.1	24.5	49.7	3.7	0.3	8.1
Steeper pitch	418	36.2	43.2	14.4	28.5	52.1	3.5	0.3	8.3
Cool roof	1,314	40.9	37.0	12.6	28.4	61.6	10.1	0.3	7.7
Renovations in buildings constructed before 2008 (more than one may apply)									
Any type of renovation	928	38.8	35.1	13.0	28.7	58.2	7.3	0.3	7.8
Addition or annex	1,619	45.2	46.2	13.1	28.7	56.9	12.0	0.3	7.4
Reduction in floorspace	1,627	49.0	31.6	11.9	36.0	67.6	11.9	0.4	7.3
Roof replacement	1,059	41.1	36.9	13.6	26.8	55.9	8.3	0.3	7.8
Exterior wall replacement	1,054	37.2	35.5	8.6	23.9	48.6	8.1	0.3	7.7
Interior wall reconfiguration	1,073	39.1	30.6	11.1	24.9	47.9	8.3	0.3	7.7
Window replacement	1,023	40.7	35.0	14.4	27.9	55.9	7.9	0.3	7.8
HVAC equipment upgrade	1,143	40.2	35.7	14.0	27.1	56.5	8.8	0.3	7.7
Lighting upgrade	1,233	40.9	37.2	13.8	29.8	58.3	9.4	0.3	7.6
Electrical upgrade	1,114	43.4	38.6	14.2	28.5	60.3	8.6	0.3	7.7
Plumbing system upgrade	1,214	47.6	40.4	15.1	30.5	72.1	9.3	0.4	7.7
Insulation upgrade	1,040	44.5	39.7	14.2	26.8	49.7	8.1	0.4	7.8
Fire, safety, or security upgrade	1,336	41.9	35.9	12.0	26.8	56.5	10.2	0.3	7.6
Structural upgrade	1,469	52.1	53.7	12.7	25.2	44.7	10.6	0.4	7.2
Other	770	23.9	19.9	16.1	42.5	77.4	6.2	0.2	8.0
No renovations	558	35.0	34.7	11.7	25.4	53.1	4.5	0.3	8.0
Buildings constructed 2008 or later	1,128	40.7	38.8	10.0	19.3	61.1	8.6	0.3	7.6

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	Natural gas consumption								
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
				25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Energy sources (more than one may apply)									
Electricity	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Natural gas	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Fuel oil	3,713	44.5	34.1	10.8	28.3	58.7	27.2	0.3	7.3
District heat	6,206	36.9	23.3	2.3	11.9	49.1	44.0	0.3	7.1
District chilled water	6,245	53.5	40.9	4.8	29.5	106.3	44.2	0.4	7.1
Propane	2,053	42.0	58.1	7.3	22.7	52.3	14.9	0.3	7.3
Other	1,470	40.1	41.1	8.8	22.8	43.1	11.4	0.3	7.8
Space-heating energy sources									
Natural gas	736	38.8	37.2	13.0	27.1	54.0	5.8	0.3	7.8
Natural gas main	743	40.2	38.7	14.0	28.5	55.0	5.8	0.3	7.8
Natural gas secondary	681	30.2	27.7	7.2	18.8	43.0	5.3	0.2	7.7
Other excluding natural gas	890	28.5	24.3	5.8	22.4	68.2	7.3	0.2	8.2
Buildings without heating	541	41.1	48.0	2.2	25.8	118.9	4.6	0.4	8.5
Primary space-heating energy source									
Electricity	643	28.3	27.2	7.0	21.9	55.4	5.3	0.2	8.3
Natural gas	743	40.2	38.7	14.0	28.5	55.0	5.8	0.3	7.8
Fuel oil	520	19.0	16.4	7.6	22.4	52.2	5.0	0.2	9.6
District heat	6,122	37.1	23.6	2.2	11.9	49.1	43.2	0.3	7.1
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cooling energy sources									
Natural gas	4,790	77.9	54.4	27.0	41.6	53.7	35.6	0.6	7.4
Other excluding natural gas	769	36.8	34.4	12.1	26.3	55.3	6.0	0.3	7.9
Buildings without cooling	293	37.3	58.8	13.6	32.7	54.5	2.6	0.3	9.0
Water-heating energy sources									
Natural gas	983	43.7	41.2	14.1	30.9	67.6	7.6	0.3	7.7
Other excluding natural gas	435	24.5	21.9	10.8	23.5	43.8	3.7	0.2	8.4
Buildings without water heating	197	22.0	42.2	8.5	18.9	48.2	1.5	0.2	7.8
Cooking energy sources									
Natural gas	1,632	48.7	46.7	20.9	49.4	127.2	12.5	0.4	7.7
Other excluding natural gas	577	32.0	29.3	10.8	24.5	46.1	4.6	0.3	7.9
Buildings without cooking	426	28.4	26.5	10.5	22.8	43.4	3.5	0.2	8.2

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	Natural gas consumption								
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
				25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Energy end uses (more than one may apply)									
Buildings with space heating	751	37.3	35.1	12.3	26.6	54.5	5.9	0.3	7.9
Buildings with cooling	787	37.4	34.7	12.1	26.5	55.3	6.2	0.3	7.8
Buildings with water heating	786	37.8	35.1	12.6	27.1	55.8	6.2	0.3	7.9
Buildings with cooking	1,295	45.4	43.1	16.6	38.7	93.1	10.0	0.4	7.7
Buildings with manufacturing	785	32.2	32.1	7.2	19.8	40.0	6.7	0.3	8.5
Buildings with electricity generation	3,088	41.1	35.3	12.2	28.4	55.7	23.2	0.3	7.5
Percent of floorspace heated									
Not heated	541	41.1	48.0	2.2	25.8	118.9	4.6	0.4	8.5
1 to 50	373	21.0	34.0	5.6	13.6	31.8	3.0	0.2	8.2
51 to 99	930	38.8	37.6	11.3	25.0	59.8	7.4	0.3	7.9
100	770	39.2	34.5	14.9	29.8	58.2	6.0	0.3	7.8
Percent of floorspace cooled									
Not cooled	293	37.3	58.8	13.6	32.7	54.5	2.6	0.3	9.0
1 to 50	586	31.3	46.7	10.1	24.6	49.9	4.7	0.3	8.0
51 to 99	1,100	38.0	35.1	12.6	26.3	60.8	8.7	0.3	7.9
100	755	39.8	31.4	13.3	28.4	57.0	5.8	0.3	7.7
Heating equipment (more than one may apply)									
Heat pumps	1,037	31.9	30.1	7.4	18.5	48.2	8.5	0.3	8.2
Furnaces	434	33.8	33.6	13.0	23.4	44.3	3.6	0.3	8.4
Individual space heaters	687	33.6	36.4	13.6	27.9	53.5	5.4	0.3	7.9
District heat	6,207	37.2	23.6	2.3	11.9	49.1	44.0	0.3	7.1
Boilers	2,347	48.0	41.7	21.8	39.2	68.0	18.0	0.4	7.7
Packaged heating units	698	35.3	35.0	11.6	26.2	55.2	5.5	0.3	7.9
Other	1,472	44.1	58.3	19.7	29.9	56.0	12.6	0.4	8.6
Cooling equipment (more than one may apply)									
Residential-type central air conditioners	401	38.7	38.3	13.4	25.2	54.4	3.3	0.3	8.2
Heat pumps	943	31.2	29.2	8.9	20.9	55.2	7.8	0.3	8.3
Individual air conditioners	947	40.0	40.7	13.4	29.7	56.8	7.8	0.3	8.2
District chilled water	6,245	53.5	40.9	4.8	29.5	106.3	44.2	0.4	7.1
Central chillers	4,608	42.5	33.1	12.2	29.6	53.7	33.6	0.3	7.3
Packaged air conditioning units	981	36.8	35.4	11.0	26.5	56.0	7.6	0.3	7.8
Swamp coolers	1,007	45.1	50.5	16.9	43.0	123.9	7.5	0.3	7.5
Other	Q	35.0	34.8	7.3	18.1	52.0	Q	0.3	8.5
Main equipment replaced since 1990 (more than one may apply)									
Heating	642	36.6	35.6	12.6	28.0	60.0	5.1	0.3	8.0
Cooling	692	37.2	34.9	13.1	28.3	59.2	5.5	0.3	8.0

Table C24. Natural gas consumption and expenditure intensities, 2012

	Natural gas consumption								
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
				25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Water-heating equipment									
Centralized system	666	40.6	37.9	13.6	28.5	58.1	5.2	0.3	7.9
Distributed system	646	30.5	28.7	8.6	21.1	47.9	5.2	0.2	8.0
Combination of centralized and distributed system	1,867	35.5	32.2	12.3	25.1	57.8	14.7	0.3	7.9
Food preparation or serving areas in non-food service buildings (more than one may apply)									
Snack bar or concession stand	3,691	45.2	43.2	10.4	27.5	67.5	27.6	0.3	7.5
Fast food or small restaurant	2,745	43.4	39.8	19.7	47.9	93.4	21.3	0.3	7.8
Cafeteria or large restaurant	5,511	43.9	38.1	11.5	27.7	53.0	40.5	0.3	7.4
Commercial kitchen/ food preparation area	2,974	46.6	49.0	15.5	32.4	66.3	22.4	0.4	7.5
Small kitchen area	868	36.7	39.4	10.7	24.3	46.9	6.9	0.3	8.0
HVAC conservation features (more than one may apply)									
Economizer cycle	2,248	40.1	35.5	11.4	26.9	59.6	17.1	0.3	7.6
Regular HVAC maintenance	975	38.3	34.2	12.6	28.4	58.7	7.6	0.3	7.8
Building automation system (BAS) ²	2,069	38.6	34.1	9.6	24.5	49.1	15.6	0.3	7.5
Window and interior lighting features (more than one may apply)									
Multipaned windows	923	39.0	37.3	13.2	28.2	56.1	7.2	0.3	7.8
Tinted window glass	1,082	38.6	33.6	10.0	24.5	54.2	8.3	0.3	7.7
Reflective window glass	1,458	43.8	36.7	9.3	24.2	58.9	11.1	0.3	7.6
External overhangs or awnings	898	43.3	41.3	13.1	30.0	71.0	7.0	0.3	7.8
Skylights or atriums	1,821	39.7	40.3	9.2	23.8	49.1	14.0	0.3	7.7
Light scheduling	1,492	39.2	34.2	12.1	27.5	57.9	11.6	0.3	7.8
Occupancy sensors	1,875	38.6	34.2	10.5	28.6	52.2	14.5	0.3	7.7
Multi-level lighting or dimming	2,132	47.8	42.6	16.7	42.3	89.6	16.1	0.4	7.5
Daylight harvesting	2,505	39.1	31.7	17.4	29.8	59.8	19.7	0.3	7.9
Demand responsive lighting	1,230	33.7	33.6	12.5	27.5	55.4	10.4	0.3	8.5
Building automation system (BAS) for lighting ²	2,305	34.8	33.2	10.8	24.0	56.7	17.9	0.3	7.8
Equipment usage reduced when building not in full use (more than one may apply)									
Heating	707	34.9	32.9	11.6	25.6	51.5	5.6	0.3	8.0
Cooling	735	35.1	32.8	11.5	25.3	51.6	5.8	0.3	8.0
Lighting	740	37.3	34.7	12.3	26.6	54.5	5.9	0.3	7.9

Table C24. Natural gas consumption and expenditure intensities, 2012

	Natural gas consumption								
				Distribution of building-level intensities (cubic feet/square foot)			Natural gas expenditures		
	per building (thousand cubic feet)	per square foot (cubic feet)	per worker (thousand cubic feet)	25th percentile	Median	75th percentile	per building (thousand dollars)	per square foot (dollars)	per thousand cubic feet (dollars)
All buildings	748	37.3	35.2	12.1	26.6	55.3	5.9	0.3	7.9
Annual consumption (hundred cubic feet)									
1,000 or less	50	7.4	7.0	4.9	11.6	22.7	0.6	0.1	12.3
1,001 to 5,000	239	20.6	18.7	17.8	31.5	58.1	2.2	0.2	9.2
5,001 to 10,000	713	29.0	29.7	24.5	50.7	112.0	5.9	0.2	8.3
10,001 to 25,000	1,550	40.1	37.4	32.4	68.6	175.8	12.1	0.3	7.8
25,001 to 50,000	3,449	42.4	43.4	35.3	56.5	121.7	26.6	0.3	7.7
50,001 to 100,000	6,711	52.7	54.6	39.5	67.4	124.4	50.8	0.4	7.6
Over 100,000	26,592	88.3	71.4	58.6	106.3	140.2	185.9	0.6	7.0

¹These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE).

²In earlier CBECS publications, BAS was referred to as *Energy Management and Control System (EMCS)*.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.

N = No cases in reporting sample.

Notes: • Because of rounding, data may not sum to totals. • See the *Guide to the 2012 CBECS Detailed Tables* or *CBECS Terminology* for definitions of terms used in these tables and/or comparison of differences with prior CBECS tables. Both references can be accessed from <http://www.eia.gov/consumption/commercial/data/2012/> • 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.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Forms EIA-871A and C of the 2012 Commercial Buildings Energy Consumption Survey.