Release date: May 2016

Table C26. Natural gas expenditures by Census region, 2012

					Natural gas expenditures (dollars)								
	Total natura (million doll	•	enditures		per thous	and cub	ic feet		per squar				
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West	
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28	
Building floorspace (square feet)													
1,001 to 5,000	407	526	784	440	10.23	8.13	8.65	8.10	0.85	0.47	0.62	0.50	
5,001 to 10,000	336	519	670	432	10.41	7.34	8.03	7.81	0.53	0.38	0.44	0.34	
10,001 to 25,000	631	639	681	598	10.77	7.87	8.25	8.06	0.39	0.29	0.26	0.25	
25,001 to 50,000	426	704	553	417	9.26	7.05	7.48	7.33	0.38	0.27	0.21	0.24	
50,001 to 100,000	835	638	795	353	9.79	6.40	8.21	7.36	0.39	0.29	0.20	0.22	
100,001 to 200,000	883	483	481	413	8.75	6.99	8.63	7.20	0.41	0.26	0.14	0.22	
200,001 to 500,000	645	585	421	510	8.56	6.39	7.51	6.44	0.38	0.24	0.18	0.28	
Over 500,000	437	288	409	Q	8.91	5.79	6.67	6.30	0.36	0.23	0.21	0.32	
Principal building activity													
Education	718	729	463	290	9.36	6.87	7.53	7.30	0.44	0.27	0.12	0.20	
Food sales	Q	Q	83	Q	Q	Q	8.32	Q	Q	Q	0.49	Q	
Food service	238	336	781	344	9.31	6.89	7.60	7.70	1.22	1.12	1.35	1.08	
Health care	560	384	511	364	9.07	6.20	6.57	6.39	0.62	0.53	0.51	0.55	
Inpatient	395	285	476	285	8.52	5.98	6.49	6.17	0.91	0.67	0.57	0.67	
Outpatient	165	98	35	79	10.71	6.95	7.79	7.34	0.35	0.33	0.19	0.33	
Lodging	314	311	504	499	9.10	7.54	7.67	6.75	0.40	0.37	0.25	0.38	
Mercantile	552	573	701	567	10.57	7.20	9.09	7.53	0.43	0.31	0.24	0.24	
Retail (other than mall)	153	206	119	129	11.98	7.01	8.45	8.00	0.30	0.24	0.13	0.12	
Enclosed and strip malls	399	366	582	438	10.12	7.31	9.23	7.40	0.51	0.37	0.29	0.33	
Office	856	609	426	416	9.23	7.24	9.12	8.02	0.31	0.24	0.16	0.33	
Public assembly	295	364	220	184	10.42	6.82	7.99	8.13	0.32	0.24	0.10	0.18	
Public order and safety	293 Q	Q	87	Q	10.42 Q	0.82 Q	8.89	0.13 Q	Q.44	0.28 Q	0.21	0.22 Q	
Religious worship	180	206	179	125	9.59	7.53	7.47	8.59	0.25	0.29	0.21	0.25	
Service													
	169	347	336	99	9.11	7.44	8.05	8.07	0.59	0.28	0.36	0.28	
Warehouse and storage	312	271	275	263	9.95	7.34	9.63	6.73	0.27	0.15	0.11	0.17	
Other	Q	Q	201	Q	Q	Q	8.25	6.45	Q	Q	0.34	0.48	
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Year constructed	245	200	470		40.04	7.60	0.00	0.55	0.05	0.00	0.45		
Before 1920	345	209	170	34	10.21	7.63	8.39	8.65	0.35	0.28	0.45	0.16	
1920 to 1945	495	374	161	137	10.14	7.01	8.06	7.09	0.40	0.29	0.21	0.27	
1946 to 1959	554	429	316	297	9.88	7.01	7.89	7.96	0.54	0.30	0.17	0.27	
1960 to 1969	641	649	593	515	9.83	7.07	7.53	7.25	0.37	0.29	0.28	0.35	
1970 to 1979	765	651	653	472	8.81	6.97	7.32	7.62	0.49	0.31	0.28	0.24	
1980 to 1989	409	697	980	538	9.59	7.02	8.66	7.54	0.36	0.33	0.24	0.21	
1990 to 1999	664	581	717	572	8.83	7.30	7.53	7.14	0.43	0.26	0.22	0.28	
2000 to 2003	337	279	347	235	9.28	6.58	8.04	7.32	0.40	0.24	0.19	0.26	
2004 to 2007	170	248	455	Q	8.69	6.88	8.65	6.93	0.51	0.25	0.27	0.38	
2008 to 2012	220	265	402	292	9.63	6.32	8.37	6.85	0.34	0.40	0.24	0.35	
Climate region <sup>1</sup>													
Very cold/Cold	3,059	3,891	N	1,320	9.47	6.93	N	7.08	0.42	0.30	N	0.32	
Mixed-humid	1,541	492	3,399	N	9.38	7.52	8.27	N	0.40	0.26	0.25	N	
Mixed-dry/Hot-dry	N	N	Q	1,590	N	N	5.86	7.03	N	N	0.14	0.24	
Hot-humid	N	N	1,262	N	N	N	7.58	N	N	N	0.24	N	
Marine	N	N	N	593	N	N	N	8.91	N	N	N	0.29	

Table C26. Natural gas expenditures by Census region, 2012

						Natural gas expenditures (dollars)								
	Total natural gas expenditures (million dollars)				per thous	and cub	ic feet		per squar					
	North-	Mid-			North-	Mid-			North-	Mid-				
	east	west	South	West	east	west	South	West	east	west	South	West		
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28		
Number of floors														
One	1,188	1,954	2,514	1,648	9.91	7.45	8.39	7.70	0.46	0.32	0.26	0.27		
Two	1,291	973	893	799	9.12	6.88	8.06	7.62	0.41	0.24	0.21	0.25		
Three	563	613	344	180	10.03	6.65	7.51	7.24	0.35	0.29	0.22	0.23		
Four to nine	1,210	655	793	574	9.18	6.44	7.20	6.48	0.45	0.31	0.24	0.34		
Ten or more	347	189	248	Q	9.20	6.46	7.33	6.46	0.32	0.26	0.25	C		
Number of workers (main shift)														
Fewer than 5	523	702	607	388	10.56	8.07	8.39	7.91	0.42	0.28	0.24	0.25		
5 to 9	385	435	503	354	11.27	8.00	7.86	8.00	0.45	0.30	0.28	0.29		
10 to 19	375	600	801	520	10.19	6.78	7.92	8.09	0.35	0.37	0.36	0.28		
20 to 49	560	855	889	651	9.52	7.32	8.31	7.50	0.39	0.30	0.25	0.24		
50 to 99	873	693	849	393	9.50	6.60	8.44	7.27	0.49	0.29	0.20	0.22		
100 to 249	910	543	561	533	9.10	6.54	8.43	6.72	0.41	0.26	0.19	0.34		
250 or more	973	554	584	664	8.40	6.03	6.57	6.55	0.39	0.28	0.24	0.33		
Weekly operating hours														
Fewer than 40	154	287	193	149	10.61	7.94	7.64	7.91	0.32	0.24	0.16	0.19		
40 to 48	438	638	567	476	9.93	7.69	8.91	7.72	0.30	0.25	0.15	0.22		
49 to 60	735	875	772	579	10.16	7.23	8.13	8.01	0.30	0.24	0.16	0.19		
61 to 84	1,121	986	1,004	636	9.80	6.85	8.75	7.48	0.43	0.31	0.32	0.25		
85 to 167	881	576	785	442	9.19	6.56	7.75	8.03	0.57	0.32	0.38	0.33		
Open continuously	1,271	1,022	1,472	1,221	8.70	6.59	7.34	6.56	0.51	0.37	0.31	0.44		
Ownership and occupancy														
Nongovernment owned	3,396	3,345	3,821	2,922	9.49	7.06	8.09	7.30	0.40	0.30	0.26	0.28		
Owner occupied	1,593	1,854	1,714	1,468	9.34	6.99	7.57	7.13	0.42	0.33	0.25	0.34		
Leased to tenant(s)	1,274	1,026	1,714	1,158	9.77	7.34	8.75	7.60	0.39	0.28	0.29	0.26		
Owner occupied and leased	521	451	391	284	9.25	6.73	7.89	7.00	0.38	0.29	0.21	0.19		
Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	C		
Government owned	1,203	1,038	972	581	9.29	6.80	7.59	7.35	0.47	0.26	0.18	0.24		
Federal	Q	Q	98	Q	Q	Q	9.24	Q	Q	Q	0.23	0		
State	Q	237	295	202	8.82	6.49	6.96	7.51	0.59	0.29	0.21	0.26		
Local	654	753	580	320	9.76	6.88	7.72	7.46	0.41	0.26	0.17	0.22		
Party responsible for operation and maintenance of energy														
systems Building owner	3,741	3,834	3,685	2,833	9.41	6.97	7.80	7.32	0.40	0.29	0.23	0.27		
Business owner or tenant	728	3,034 477	966	606	9.41	7.26	8.67	7.32	0.40	0.29	0.23	0.27		
Property management	Q	Q	900 Q	Q		7.20 Q	8.68	7.28 Q	0.51 Q	0.30 Q	0.32	0.27		
Other	Q	Q	Q Q	Q		Q	0.00 Q	Q	Q Q	Q Q	0.20 Q	0		
Provider of direct input on energy- related equipment purchases	α	<u> </u>	<u> </u>		<u>~</u>		<u>~</u>			<u>~</u>	<u>~</u>			
Building owner	3,829	3,941	3,840	3,009	9.43	6.99	7.89	7.30	0.40	0.29	0.23	0.27		
Business owner or tenant	569	341	744	447	9.73	6.99	8.27	7.35	0.53	0.30	0.32	0.30		
Property management	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	С		
Other	Q	Q	194	Q	Q	7.14	8.93	Q	Q	0.22	0.40	C		

Table C26. Natural gas expenditures by Census region, 2012

					Natural gas expenditures (dollars)								
	Total natura (million doll	• .	enditures		per thous	and cub	ic feet	per square foot					
	North-	Mid-			North-	Mid-			North-	Mid-			
	east	west	South	West	east	west	South	West	east	west	South	West	
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28	
Number of establishments													
One	3,071	2,911	3,212	2,374	9.33	6.99	7.70	7.26	0.45	0.30	0.25	0.31	
2 to 5	904	981	884	583	9.73	6.91	8.51	7.35	0.41	0.28	0.21	0.23	
6 to 10	204	203	235	235	9.73	7.44	8.89	7.84	0.35	0.29	0.24	0.28	
11 to 20	250	163	292	174	9.41	7.01	8.10	7.35	0.35	0.38	0.30	0.27	
More than 20	161	111	167	114	9.56	7.12	10.25	6.88	0.24	0.21	0.19	0.14	
Currently unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Predominant exterior wall material													
Brick, stone, or stucco	2,469	2,420	2,585	1,450	9.58	7.05	7.87	7.19	0.41	0.32	0.25	0.29	
Concrete (block or poured)	1,063	936	1,286	881	9.03	7.00	8.39	7.53	0.39	0.28	0.27	0.24	
Concrete panels	275	385	301	Q	7.86	6.18	7.38	7.04	0.42	0.28	0.16	0.22	
Siding or shingles	282	271	221	321	11.77	7.41	7.67	7.72	0.45	0.29	0.49	0.36	
Metal panels	Q	292	331	175	10.60	7.58	8.07	8.10	0.52	0.22	0.18	0.23	
Window glass	Q	Q	Q	105	Q	Q	Q	7.29	Q	Q	Q	0.42	
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
No one major type	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Predominant roof material													
Metal surfacing	239	475	861	394	11.08	7.64	8.48	7.87	0.32	0.23	0.25	0.26	
Synthetic or rubber	2,051	1,752	1,437	1,248	9.63	6.82	7.96	6.97	0.44	0.29	0.26	0.34	
Built-up	1,199	994	1,253	856	8.73	6.60	7.64	7.37	0.41	0.29	0.21	0.23	
Slate or tile shingles	274	105	223	299	9.25	8.08	7.81	7.50	0.44	0.32	0.21	0.38	
Wooden materials (including													
shingles)	Q	Q	102	76	Q	Q	6.53	6.89	Q	Q	0.53	0.31	
Asphalt, fiberglass, or													
other shingles	657	940	797	523	10.25	7.23	8.34	7.56	0.39	0.35	0.25	0.23	
Concrete	61	Q	Q	38	7.82	Q	Q	7.29	0.29	Q	Q	0.15	
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
No one major type	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Roof characteristics													
Roof tilt													
Flat	3,312	2,611	2,843	2,184	9.28	6.74	7.66	7.18	0.42	0.30	0.25	0.29	
Shallow pitch	706	957	1,222	927	9.51	7.20	8.80	7.49	0.49	0.25	0.22	0.26	
Steeper pitch	581	815	728	393	10.39	7.67	8.05	7.63	0.34	0.35	0.26	0.26	
Cool roof	1,165	988	1,211	1,143	9.14	6.91	7.79	7.06	0.49	0.31	0.24	0.31	

Table C26. Natural gas expenditures by Census region, 2012

	Natural gas expenditures (dollars)  Total natural gas expenditures											
	Total natura (million dol	•	enditures		per thous	and cub	ic feet		per squar	e foot		
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28
Renovations in buildings constructed before 2008												
(more than one may apply)												
Any type of renovation	2,892	2,349	2,381	1,786	9.37	6.91	7.82	7.22	0.42	0.28	0.24	0.31
Addition or annex	913	960	896	607	9.35	6.79	7.06	6.67	0.47	0.29	0.27	0.40
Reduction in floorspace	Q	71	127	Q	7.82	6.58	6.99	Q	0.49	0.30	0.28	Q
Roof replacement	1,806	1,341	1,230	825	9.42	6.85	7.67	7.07	0.44	0.30	0.24	0.32
Exterior wall replacement	240	237	277	220	10.48	7.06	7.54	6.66	0.33	0.27	0.26	0.30
Interior wall reconfiguration	1,506	1,172	1,113	1,059	9.64	6.67	7.57	7.07	0.38	0.27	0.26	0.31
Window replacement	928	683	722	594	9.96	6.74	7.38	6.94	0.39	0.27	0.28	0.33
HVAC equipment upgrade	2,024	1,504	1,547	1,265	9.36	6.92	7.46	7.00	0.40	0.27	0.25	0.34
Lighting upgrade	1,837	1,490	1,421	1,260	9.32	6.68	7.46	7.01	0.40	0.29	0.24	0.34
Electrical upgrade	1,304	965	960	910	9.40	6.80	7.77	6.84	0.41	0.30	0.26	0.39
Plumbing system upgrade	1,226	828	944	851	9.38	6.85	7.49	6.81	0.46	0.29	0.31	0.42
Insulation upgrade	600	483	502	450	9.85	7.22	7.44	6.72	0.44	0.27	0.31	0.40
Fire, safety, or security upgrade	1,435	933	1,061	805	9.51	6.57	7.27	6.94	0.41	0.30	0.26	0.33
Structural upgrade	156	184	312	Q	9.73	6.74	7.73	6.53	0.32	0.25	0.42	0.47
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
No renovations	1,488	1,769	2,010	1,425	9.55	7.22	8.11	7.53	0.43	0.29	0.24	0.23
Buildings constructed 2008 or later	220	265	402	292	9.63	6.32	8.37	6.85	0.34	0.40	0.24	0.35
Energy sources (more than one may apply)												
Electricity	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28
Natural gas	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28
Fuel oil	1,389	919	1,172	976	9.03	6.10	7.52	6.61	0.40	0.30	0.26	0.37
District heat	Q	31	105	Q	8.49	6.04	6.65	6.26	Q	0.08	Q	0.55
District chilled water	Q	32	177	Q	8.08	6.23	6.80	6.45	0.70	0.10	0.16	0.72
Propane	171	245	276	Q	9.89	6.16	7.61	6.95	0.32	0.26	0.28	0.36
Other	360	133	97	232	8.99	6.94	7.17	6.99	0.45	0.21	0.21	0.32
Space-heating energy sources												
Natural gas	4,165	4,287	3,747	2,856	9.47	6.98	7.76	7.39	0.45	0.31	0.24	0.27
Natural gas main	3,946	4,074	3,057	2,453	9.47	6.97	7.72	7.45	0.47	0.31	0.25	0.27
Natural gas secondary	219	213	691	403	9.48	7.25	7.92	7.02	0.22	0.22	0.22	0.28
Other excluding natural gas	419	94	941	562	9.14	7.42	8.86	6.93	0.24	0.10	0.23	0.31
Buildings without heating	Q	Q	105	Q	Q	Q	9.39	Q	Q	Q	0.29	Q
Primary space-heating energy source												
Electricity	276	266	1,509	649	9.99	7.51	8.58	7.34	0.22	0.19	0.24	0.24
Natural gas	3,946	4,074	3,057	2,453	9.47	6.97	7.72	7.45	0.47	0.31	0.25	0.27
Fuel oil	54	N	Q	Q	9.99	N	Q	Q	0.15	N	Q	Q
District heat	Q	24	104	Q	8.50	5.68	6.64	6.26	Q	0.07	Q	0.57
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cooling energy sources												
Natural gas	243	Q	Q	Q	8.88	Q	Q	Q	0.80	Q	Q	Q
Other excluding natural gas	4,168	4,133	4,704	3,238	9.43	7.02	7.97	7.25	0.40	0.29	0.24	0.27
Buildings without cooling	189	151	39	234	10.63	8.04	7.94	8.74	0.40	0.26	0.18	0.41

Table C26. Natural gas expenditures by Census region, 2012

Table 620. Natural gas expens	•	Natural gas expenditures (dollars)										
	Total natura (million doll	•	enditures		per thous	and cub	ic feet	<u>r</u>	er squar			
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28
Water-heating energy sources												
Natural gas	3,801	3,496	3,540	2,542	9.28	6.83	7.75	7.26	0.50	0.33	0.29	0.28
Other excluding natural gas	758	829	1,154	865	10.21	7.65	8.91	7.47	0.23	0.20	0.17	0.27
Buildings without water heating	Q	58	99	95	Q	8.86	6.92	7.16	Q	0.19	0.13	0.21
Cooking energy sources												
Natural gas	2,559	2,013	2,795	1,915	9.09	6.83	7.81	7.00	0.48	0.36	0.33	0.37
Other excluding natural gas	307	542	422	307	9.51	6.97	8.38	7.73	0.28	0.28	0.20	0.27
Buildings without cooking	1,734	1,828	1,576	1,281	9.99	7.19	8.20	7.73	0.38	0.24	0.17	0.20
Energy end uses												
(more than one may apply)												
Buildings with space heating	4,584	4,381	4,688	3,418	9.44	6.99	7.96	7.31	0.41	0.29	0.24	0.27
Buildings with cooling	4,411	4,232	4,754	3,270	9.40	6.96	7.98	7.23	0.42	0.29	0.24	0.27
Buildings with water heating	4,559	4,325	4,694	3,408	9.42	6.97	8.01	7.32	0.42	0.29	0.25	0.28
Buildings with cooking	2,866	2,555	3,217	2,222	9.13	6.86	7.88	7.09	0.44	0.34	0.30	0.35
Buildings with manufacturing	335	214	310	161	8.42	7.43	9.27	8.80	0.45	0.21	0.24	0.22
Buildings with electricity												
generation	2,172	1,298	1,489	1,315	9.04	6.39	7.59	6.77	0.45	0.27	0.22	0.33
Percent of floorspace heated												
Not heated	Q	Q	105	Q	Q	Q	9.39	Q	Q	Q	0.29	Q
1 to 50	191	108	275	405	11.23	7.92	7.81	7.45	0.32	0.12	0.14	0.17
51 to 99	998	598	1,172	663	9.76	6.96	7.66	7.30	0.48	0.31	0.27	0.24
100	3,394	3,675	3,241	2,351	9.27	6.97	8.08	7.29	0.41	0.30	0.24	0.32
Percent of floorspace cooled												
Not cooled	189	151	39	234	10.63	8.04	7.94	8.74	0.40	0.26	0.18	0.41
1 to 50	1,037	1,060	585	574	9.48	7.09	8.27	7.32	0.38	0.25	0.17	0.22
51 to 99	1,683	1,183	1,339	957	9.41	6.78	7.80	7.60	0.45	0.29	0.24	0.26
100	1,691	1,989	2,831	1,738	9.34	7.01	8.01	7.01	0.40	0.32	0.27	0.30
Heating equipment												
(more than one may apply)	421	172	915	475	9.66	6.57	8.90	6.93	0.38	0.22	0.23	0.29
Heat pumps	384	620	643	346	10.77	7.38	8.84	7.50	0.38	0.22	0.23	0.25
Furnaces Individual space heaters	1,268	1,237	971	734	9.40	7.06	7.86	7.30	0.35	0.30	0.20	0.25
District heat	1,208 Q	31	104	73 <del>4</del> Q	8.49	6.04	6.64	6.26	0.30 Q	0.28	0.21 Q	0.20
Boilers	2,653	2,018	1,501	1,180	9.35	6.59	7.57	6.85	0.51	0.33	0.28	0.37
Packaged heating units	2,033	2,758	3,238	2,196	9.53	7.06	8.09	7.46	0.31	0.33	0.24	0.33
Other	2,295 Q	2,736 Q	3,236 98	2,190	9.55 Q	7.00 Q	9.82	8.11	0.36 Q	0.29 Q	0.24	0.39
Cooling equipment												
(more than one may apply)												
Residential-type central air												
conditioners	635	1,128	956	612	9.96	7.69	8.89	6.96	0.48	0.29	0.29	0.29
Heat pumps	420	198	992	457	9.52	6.98	8.57	7.35	0.35	0.28	0.23	0.25
Individual air conditioners	1,345	627	705	315	9.25	6.92	8.31	7.07	0.47	0.28	0.24	0.26
District chilled water	Q	32	177	Q	8.08	6.23	6.80	6.45	0.70	0.10	0.16	0.72
Central chillers	1,180	1,169	1,243	667	9.22	6.31	7.35	6.57	0.43	0.31	0.25	0.29
Packaged air conditioning units	2,551	2,557	2,945	1,942	9.37	6.75	7.96	7.33	0.38	0.30	0.24	0.26
Swamp coolers	Q	Q	Q	369	Q	Q	Q	7.14	Q	Q	Q	0.33
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

Table C26. Natural gas expenditures by Census region, 2012

					Natural g	as exper	nditures (d	dollars)				
	Total natura (million doll	•	enditures		per thousand cubic feet				per squar	e foot		
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28
Main equipment replaced since												
1990 (more than one may apply)												
Heating	1,704	1,637	1,813	995	9.74	7.09	7.79	7.52	0.42	0.28	0.26	0.24
Cooling	1,910	1,876	2,032	1,062	9.84	7.04	7.92	7.44	0.40	0.30	0.26	0.25
Water-heating equipment												
Centralized system	2,930	2,970	2,938	1,997	9.31	6.96	7.95	7.42	0.43	0.31	0.27	0.29
Distributed system	602	493	442	475	9.89	7.31	8.28	6.89	0.36	0.24	0.17	0.25
Combination of centralized and												
distributed system	1,027	862	1,314	936	9.47	6.83	8.04	7.33	0.42	0.27	0.23	0.28
Food preparation or serving areas												
in non-food service buildings												
(more than one may apply)												
Snack bar or concession stand	689	602	739	631	8.94	6.65	7.91	6.68	0.47	0.31	0.27	0.37
Fast food or small restaurant	622	535	935	720	9.04	6.76	8.37	6.98	0.41	0.35	0.31	0.31
Cafeteria or large restaurant	1,315	953	1,136	802	8.87	6.66	7.19	6.51	0.44	0.31	0.23	0.40
Commercial kitchen/	1 464	1 200	1 207	982	0.04	6.78	7.63	6.73	0.54	0.22	0.25	0.38
food preparation area Small kitchen area	1,464	1,209	1,287		8.94 9.62	6.93			0.54	0.33	0.25	
Siliali kitchen area	914	859	786	630	9.02	0.93	8.46	7.25	0.38	0.28	0.23	0.31
HVAC conservation features												
(more than one may apply)												
Economizer cycle	2,314	1,924	1,594	1,688	8.82	6.64	8.07	7.01	0.41	0.28	0.25	0.29
Regular HVAC maintenance	4,119	3,844	4,103	3,067	9.32	6.85	7.98	7.21	0.42	0.30	0.24	0.28
Building automation system (BAS) <sup>2</sup>	2,204	1,902	2,107	1,881	8.97	6.68	7.68	7.02	0.40	0.29	0.22	0.31
Window and interior lighting features (more than one may												
apply)												
Multipaned windows	3,548	3,725	3,583	2,551	9.35	6.94	8.04	7.35	0.42	0.30	0.25	0.31
Tinted window glass	2,302	2,237	2,946	2,189	9.13	6.76	7.85	7.28	0.44	0.30	0.24	0.28
Reflective window glass	888	1,007	993	1,142	9.32	6.86	8.06	7.02	0.49	0.30	0.28	0.34
External overhangs or awnings	1,804	1,791	2,380	1,881	9.47	6.87	8.15	7.18	0.53	0.32	0.28	0.32
Skylights or atriums	1,514	950	1,273	1,374	9.25	6.63	7.81	7.08	0.46	0.26	0.24	0.30
Light scheduling	1,958	1,691	1,754	1,628	9.21	6.74	8.19	7.16	0.41	0.29	0.26	0.29
Occupancy sensors	2,491	1,905	1,863	1,802	9.17	6.63	8.11	7.13	0.41	0.29	0.23	0.28
Multi-level lighting or dimming	908	893	1,218	1,199	9.32	6.68	8.14	6.70	0.46	0.34	0.31	0.37
Daylight harvesting	522	311	293	390	9.89	6.57	8.19	6.89	0.58	0.24	0.22	0.28
Demand responsive lighting	256	219	342	235	10.40	7.05	9.41	7.31	0.55	0.25	0.31	0.19
Building automation system (BAS) for lighting <sup>2</sup>		F64	F04	F00	0.70	6.52	0.41	7.26	0.42	0.27	0.20	0.24
	791	564	594	588	8.79	6.53	8.41	7.36	0.43	0.27	0.20	0.24
Equipment usage reduced when building not in full use												
(more than one may apply)												
Heating	3,648	3,503	3,423	2,434		7.03	8.11	7.38	0.40	0.29	0.22	0.24
Cooling	3,572	3,315	3,511	2,354	9.45	6.99	8.15	7.35	0.40	0.29	0.22	0.24
Lighting	4,333	4,155	4,466	3,298	9.48	6.99	8.08	7.34	0.42	0.29	0.24	0.28

Table C26. Natural gas expenditures by Census region, 2012

					Natural gas expenditures (dollars)										
		Total natural gas expenditures (million dollars)				per thousand cubic feet					per square foot				
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West			
All buildings	4,599	4,383	4,793	3,503	9.44	6.99	7.98	7.31	0.42	0.29	0.24	0.28			
Annual consumption (hundred cubic feet)															
1,000 or less	88	185	224	132	16.54	11.44	13.03	10.53	0.13	0.15	0.07	0.07			
1,001 to 5,000	569	668	769	519	11.71	8.09	9.22	8.59	0.27	0.21	0.16	0.17			
5,001 to 10,000	438	458	676	359	10.16	7.59	8.35	7.58	0.30	0.26	0.20	0.25			
10,001 to 25,000	608	923	1,113	867	9.35	7.16	7.87	7.70	0.33	0.29	0.30	0.35			
25,001 to 50,000	693	640	625	388	9.63	6.77	7.65	6.98	0.42	0.34	0.29	0.26			
50,001 to 100,000	659	553	533	358	9.04	6.57	7.58	7.10	0.48	0.33	0.41	0.39			
Over 100,000	1,544	956	853	880	8.57	5.98	6.81	6.28	0.81	0.46	0.61	0.60			

<sup>&</sup>lt;sup>1</sup>These 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).

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.

<sup>&</sup>lt;sup>2</sup>In 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/

<sup>•</sup> 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.