

**Table C13. Total electricity consumption and expenditures, 2012**

	All buildings using electricity			Electricity consumption		Electricity expenditures	
	Number of buildings (thousand)	Total floorspace (million square feet)	Floorspace per building (thousand square feet)	Primary	Site	Total (billion kWh)	Total (million dollars)
				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Building floorspace (square feet)</b>							
1,001 to 5,000	2,556	7,492	2.9	1,357	445	130	13,633
5,001 to 10,000	1,171	8,489	7.3	1,179	386	113	11,977
10,001 to 25,000	852	13,565	15.9	1,655	543	159	16,682
25,001 to 50,000	326	11,672	35.8	1,549	508	149	14,549
50,001 to 100,000	195	13,604	69.9	1,996	654	192	18,473
100,001 to 200,000	90	12,362	137.8	1,974	647	190	17,507
200,001 to 500,000	37	10,652	284.1	1,876	615	180	16,706
Over 500,000	8	7,033	887.8	1,349	442	130	12,347
<b>Principal building activity</b>							
Education	389	12,239	31.5	1,396	458	134	12,893
Food sales	177	1,252	7.1	634	208	61	5,719
Food service	380	1,819	4.8	850	279	82	8,070
Health care	157	4,155	26.5	1,114	365	107	9,585
Inpatient	10	2,374	247.8	766	251	74	6,435
Outpatient	147	1,781	12.1	348	114	33	3,150
Lodging	158	5,826	36.9	928	304	89	8,498
Mercantile	599	11,320	18.9	2,151	705	207	20,016
Retail (other than mall)	435	5,430	12.5	857	281	82	8,144
Enclosed and strip malls	164	5,890	35.9	1,293	424	124	11,872
Office	1,012	15,952	15.8	2,637	865	253	26,240
Public assembly	352	5,559	15.8	837	275	80	7,889
Public order and safety	84	1,440	17.2	223	73	21	2,038
Religious worship	412	4,557	11.1	247	81	24	2,513
Service	602	4,512	7.5	389	127	37	4,121
Warehouse and storage	675	12,568	18.6	866	284	83	8,442
Other	123	1,972	16.1	581	191	56	5,041
Vacant	116	1,699	14.6	80	26	8	809
<b>Year constructed</b>							
Before 1920	337	3,800	11.3	332	109	32	3,515
1920 to 1945	458	5,866	12.8	668	219	64	7,279
1946 to 1959	554	7,208	13.0	884	290	85	8,455
1960 to 1969	609	10,198	16.7	1,531	502	147	14,326
1970 to 1979	651	10,556	16.2	1,776	582	171	16,021
1980 to 1989	856	14,791	17.3	2,431	797	234	22,843
1990 to 1999	762	13,118	17.2	2,217	727	213	20,479
2000 to 2003	370	7,193	19.4	1,159	380	111	10,673
2004 to 2007	341	6,485	19.0	1,008	330	97	9,561
2008 to 2012	296	5,653	19.1	926	304	89	8,723

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<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Census region and division</b>							
Northeast	770	15,291	19.9	2,293	752	220	25,123
New England	285	4,192	14.7	526	172	51	6,501
Middle Atlantic	485	11,099	22.9	1,767	579	170	18,622
Midwest	1,171	18,560	15.8	2,595	851	249	21,717
East North Central	706	12,544	17.8	1,815	595	174	15,676
West North Central	466	6,016	12.9	780	256	75	6,040
South	2,086	33,026	15.8	5,518	1,809	530	47,473
South Atlantic	1,020	17,608	17.3	2,983	978	287	27,244
East South Central	354	4,824	13.6	735	241	71	6,225
West South Central	712	10,594	14.9	1,800	590	173	14,004
West	1,207	17,992	14.9	2,528	829	243	27,563
Mountain	316	4,812	15.2	698	229	67	6,224
Pacific	891	13,180	14.8	1,831	600	176	21,339
<b>Climate region<sup>1</sup></b>							
Very cold/Cold	1,929	31,286	16.2	4,363	1,430	419	40,072
Mixed-humid	1,637	27,422	16.8	4,324	1,418	415	39,376
Mixed-dry/Hot-dry	791	11,743	14.9	1,586	520	152	18,349
Hot-humid	740	12,002	16.2	2,294	752	220	20,169
Marine	138	2,416	17.5	367	120	35	3,910
<b>Number of floors</b>							
One	3,555	38,053	10.7	5,676	1,861	545	53,981
Two	1,128	19,928	17.7	2,696	884	259	25,383
Three	365	8,102	22.2	1,139	373	109	11,014
Four to nine	175	13,417	76.8	2,402	788	231	21,425
Ten or more	12	5,368	429.7	1,021	335	98	10,072
<b>Elevators and escalators (more than one may apply)</b>							
Any elevators	401	31,942	79.6	5,612	1,840	539	51,427
Number of elevators							
One	269	11,120	41.4	1,528	501	147	13,724
Two to five	117	12,712	108.9	2,315	759	222	21,044
Six or more	16	8,109	507.6	1,769	580	170	16,659
Any escalators	10	3,641	377.0	689	226	66	6,294
<b>Number of workers (main shift)</b>							
Fewer than 5	2,570	15,530	6.0	1,390	456	134	13,812
5 to 9	1,084	8,970	8.3	1,163	381	112	11,619
10 to 19	731	9,623	13.2	1,375	451	132	13,555
20 to 49	513	14,514	28.3	2,287	750	220	21,239
50 to 99	206	13,476	65.6	2,228	730	214	20,070
100 to 249	93	10,941	117.1	1,928	632	185	17,630
250 or more	37	11,815	318.3	2,562	840	246	23,951

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				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Weekly operating hours</b>							
Fewer than 40	941	6,548	7.0	364	119	35	3,740
40 to 48	1,325	15,737	11.9	1,609	527	155	16,051
49 to 60	1,229	20,425	16.6	2,482	814	238	24,484
61 to 84	744	15,800	21.2	2,591	850	249	25,240
85 to 167	466	9,364	20.1	2,081	682	200	18,906
Open continuously	529	16,994	32.1	3,806	1,248	366	33,454
<b>Ownership and occupancy</b>							
Nongovernment owned	4,480	65,620	14.6	10,278	3,370	988	97,696
Owner occupied	2,395	30,321	12.7	4,739	1,554	455	43,284
Leased to tenant(s)	1,675	25,809	15.4	4,143	1,358	398	41,062
Owner occupied and leased	344	8,820	25.7	1,379	452	132	13,162
Unoccupied	66	670	10.2	18	6	2	189
Government owned	755	19,248	25.5	2,656	871	255	24,179
Federal	33	1,573	47.7	236	77	23	2,246
State	183	5,522	30.2	839	275	81	7,242
Local	538	12,153	22.6	1,580	518	152	14,691
<b>Party responsible for operation and maintenance of energy systems</b>							
Building owner	4,414	71,663	16.2	10,710	3,512	1,029	99,912
Business owner or tenant	705	11,134	15.8	1,892	620	182	18,634
Property management	53	1,245	23.7	192	63	18	1,892
Other	63	827	13.1	139	46	13	1,437
<b>Provider of direct input on energy-related equipment purchases</b>							
Building owner	4,566	74,147	16.2	11,045	3,621	1,061	103,452
Business owner or tenant	529	8,161	15.4	1,479	485	142	14,356
Property management	35	880	25.5	123	40	12	1,306
Other	105	1,681	16.0	287	94	28	2,762
<b>Number of establishments</b>							
One	4,079	54,485	13.4	8,087	2,651	777	75,573
2 to 5	862	17,756	20.6	2,588	849	249	24,651
6 to 10	136	4,313	31.8	733	240	70	6,963
11 to 20	66	3,675	55.4	713	234	69	6,982
More than 20	19	3,795	203.0	794	260	76	7,499
Currently unoccupied	72	845	11.8	19	6	2	208

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				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Predominant exterior wall material</b>							
Brick, stone, or stucco	2,215	39,609	17.9	6,206	2,035	596	58,369
Concrete (block or poured)	1,076	20,404	19.0	3,357	1,101	323	31,422
Concrete panels	200	8,447	42.2	1,254	411	121	11,673
Siding or shingles	845	5,565	6.6	743	244	71	7,747
Metal panels	823	8,055	9.8	823	270	79	7,509
Window glass	17	1,340	78.6	326	107	31	2,997
Other	37	856	23.0	143	47	14	1,384
No one major type	21	592	27.6	81	26	8	774
<b>Predominant roof material</b>							
Metal surfacing	1,511	15,024	9.9	1,758	576	169	16,412
Synthetic or rubber	891	25,614	28.8	4,391	1,440	422	40,442
Built-up	790	21,306	27.0	3,508	1,150	337	32,582
Slate or tile shingles	382	4,222	11.1	610	200	59	6,335
Wooden materials (including shingles)	147	1,105	7.5	144	47	14	1,508
Asphalt, fiberglass, or other shingles	1,422	14,679	10.3	2,045	670	196	20,026
Concrete	50	1,584	31.5	311	102	30	2,971
Other	24	678	28.6	111	36	11	1,042
No one major type	18	657	36.4	55	18	5	557
<b>Roof characteristics</b>							
Roof tilt							
Flat	1,872	48,745	26.0	8,320	2,728	799	77,289
Shallow pitch	1,993	23,019	11.5	3,103	1,017	298	29,573
Steeper pitch	1,369	13,104	9.6	1,511	495	145	15,013
Cool roof	718	19,379	27.0	3,381	1,108	325	31,151

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<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Renovations in buildings constructed before 2008 (more than one may apply)</b>							
Any type of renovation	2,045	41,912	20.5	6,747	2,212	648	62,883
Addition or annex	439	12,969	29.5	2,129	698	205	18,928
Reduction in floorspace	66	1,733	26.4	370	121	36	3,164
Roof replacement	956	20,766	21.7	3,429	1,124	329	31,469
Exterior wall replacement	188	4,221	22.5	731	240	70	6,509
Interior wall reconfiguration	877	21,250	24.2	3,709	1,216	356	34,504
Window replacement	557	12,251	22.0	1,832	601	176	17,416
HVAC equipment upgrade	1,085	26,648	24.6	4,504	1,477	433	41,872
Lighting upgrade	969	25,414	26.2	4,264	1,398	410	39,493
Electrical upgrade	737	16,087	21.8	2,753	903	265	25,680
Plumbing system upgrade	634	13,807	21.8	2,311	758	222	22,025
Insulation upgrade	378	7,553	20.0	1,309	429	126	11,754
Fire, safety, or security upgrade	610	17,163	28.1	2,936	963	282	27,572
Structural upgrade	150	3,911	26.0	716	235	69	6,435
Other	39	848	21.7	135	44	13	1,332
No renovations	2,894	37,304	12.9	5,261	1,725	506	50,269
Buildings constructed 2008 or later	296	5,653	19.1	926	304	89	8,723
<b>Energy sources (more than one may apply)</b>							
Electricity	5,234	84,869	16.2	12,934	4,241	1,243	121,875
Natural gas	2,933	58,725	20.0	9,400	3,082	903	87,843
Fuel oil	467	20,200	43.3	3,973	1,303	382	36,349
District heat	48	5,964	124.9	1,076	353	103	9,745
District chilled water	54	4,608	85.4	890	292	86	7,279
Propane	507	7,686	15.2	1,148	376	110	10,822
Other	167	3,801	22.7	518	170	50	5,171
<b>Space-heating energy sources</b>							
Electricity	2,858	49,030	17.2	8,057	2,642	774	74,674
Electricity main	1,819	26,205	14.4	4,573	1,499	439	42,062
Electricity secondary	1,039	22,826	22.0	3,484	1,142	335	32,612
Other excluding electricity	1,859	31,022	16.7	4,407	1,445	423	42,010
Buildings without heating	517	4,816	9.3	470	154	45	5,191
<b>Primary space-heating energy source</b>							
Electricity	1,819	26,205	14.4	4,573	1,499	439	42,062
Natural gas	2,322	42,988	18.5	6,359	2,085	611	60,323
Fuel oil	205	2,542	12.4	247	81	24	2,588
District heat	47	5,797	122.9	1,053	345	101	9,569
Propane	261	1,948	7.5	186	61	18	1,629
Other	62	573	9.2	48	16	5	515

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				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Cooling energy sources</b>							
Electricity	4,413	76,034	17.2	12,061	3,954	1,159	114,058
Other excluding electricity	48	3,260	67.6	587	193	56	4,721
Buildings without cooling	773	5,575	7.2	285	94	27	3,097
<b>Water-heating energy sources</b>							
Electricity	2,658	42,755	16.1	6,755	2,215	649	63,203
Other excluding electricity	1,765	36,261	20.5	5,832	1,912	560	54,880
Buildings without water heating	811	5,853	7.2	347	114	33	3,793
<b>Cooking energy sources</b>							
Electricity	1,010	25,151	24.9	4,720	1,547	454	43,196
Other excluding electricity	579	13,395	23.2	2,569	842	247	24,055
Buildings without cooking	3,645	46,322	12.7	5,645	1,851	542	54,624
<b>Energy end uses (more than one may apply)</b>							
Buildings with space heating	4,717	80,053	17.0	12,464	4,086	1,198	116,684
Buildings with cooling	4,461	79,294	17.8	12,648	4,147	1,215	118,778
Buildings with water heating	4,423	79,015	17.9	12,587	4,127	1,209	118,083
Buildings with cooking	1,589	38,546	24.3	7,289	2,390	700	67,252
Buildings with manufacturing	259	5,078	19.6	695	228	67	6,660
Buildings with electricity generation	410	25,642	62.5	5,102	1,673	490	46,125
<b>Percent of floorspace heated</b>							
Not heated	517	4,816	9.3	470	154	45	5,191
1 to 50	696	10,114	14.5	1,019	334	98	10,362
51 to 99	725	14,645	20.2	2,433	798	234	23,586
100	3,297	55,293	16.8	9,011	2,955	866	82,737
<b>Percent of floorspace cooled</b>							
Not cooled	773	5,575	7.2	285	94	27	3,097
1 to 50	1,173	18,891	16.1	1,592	522	153	16,076
51 to 99	897	22,728	25.3	3,968	1,301	381	37,758
100	2,391	37,676	15.8	7,089	2,324	681	64,944
<b>Percent lit when open</b>							
Zero	70	322	4.6	11	3	1	118
1 to 50	1,099	12,628	11.5	1,184	388	114	11,323
51 to 99	1,666	34,814	20.9	5,469	1,793	526	51,668
100	2,222	35,726	16.1	6,237	2,045	599	58,426
Building never open/electricity not used	178	1,378	7.8	33	11	3	341

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<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Percent lit during off hours</b>							
Zero	2,489	24,746	9.9	2,412	791	232	25,350
1 to 50	2,441	50,753	20.8	8,159	2,675	784	75,923
51 to 100	202	6,926	34.3	1,715	562	165	14,834
Building always open with no "off hours"	102	2,443	23.9	648	213	62	5,768
Electricity not used	N	N	N	N	N	N	N
<b>Heating equipment (more than one may apply)</b>							
Heat pumps	628	11,846	18.9	1,870	613	180	17,577
Furnaces	755	8,654	11.5	1,106	363	106	10,424
Individual space heaters	1,246	20,751	16.7	2,824	926	271	26,694
District heat	48	5,925	124.3	1,068	350	103	9,679
Boilers	543	22,438	41.3	3,640	1,193	350	34,078
Packaged heating units	2,802	49,188	17.6	8,028	2,632	771	74,368
Other	60	1,570	26.2	399	131	38	3,363
<b>Cooling equipment (more than one may apply)</b>							
Residential-type central air conditioners	1,546	14,765	9.5	1,941	636	186	19,238
Heat pumps	692	12,538	18.1	1,966	644	189	18,431
Individual air conditioners	709	12,420	17.5	1,665	546	160	16,454
District chilled water	54	4,608	85.4	890	292	86	7,279
Central chillers	163	17,041	104.6	3,417	1,120	328	30,834
Packaged air conditioning units	1,909	45,153	23.6	7,563	2,480	727	71,017
Swamp coolers	109	1,918	17.5	299	98	29	2,961
Other	Q	328	Q	98	32	9	887
<b>Main equipment replaced since 1990 (more than one may apply)</b>							
Heating	1,874	27,558	14.7	4,035	1,323	388	38,203
Cooling	1,971	30,702	15.6	4,633	1,519	445	44,610
<b>Water-heating equipment</b>							
Centralized system	3,348	47,534	14.2	7,577	2,484	728	70,903
Distributed system	690	12,688	18.4	1,643	539	158	16,481
Combination of centralized and distributed system	385	18,793	48.8	3,367	1,104	324	30,698

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<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Lighting equipment types (more than one may apply)</b>							
Incandescent	1,826	38,406	21.0	6,366	2,087	612	58,067
Standard fluorescent	4,649	80,081	17.2	12,461	4,085	1,197	116,985
Compact fluorescent	2,302	53,816	23.4	9,254	3,034	889	85,737
High-intensity discharge (HID)	525	23,396	44.5	3,976	1,303	382	36,217
Halogen	905	28,059	31.0	4,977	1,632	478	45,983
LED	473	22,071	46.6	4,318	1,416	415	40,018
Other	10	446	45.2	99	33	10	878
<b>Refrigeration equipment (more than one may apply)</b>							
Any refrigeration	3,984	73,645	18.5	11,964	3,923	1,150	111,805
Walk-in units	811	28,361	35.0	6,309	2,069	606	57,455
Cases or cabinets	915	28,719	31.4	6,061	1,987	582	55,957
Large cold storage areas	78	4,171	53.4	1,019	334	98	9,056
Commercial ice makers	846	32,734	38.7	6,796	2,228	653	61,035
Residential-type or compact units	3,388	62,381	18.4	9,482	3,109	911	88,731
Vending machines	960	43,936	45.8	7,723	2,532	742	70,214
No refrigeration	1,250	11,224	9.0	970	318	93	10,070
<b>Office equipment (more than one may apply)</b>							
Desktop computers	3,977	77,063	19.4	12,252	4,017	1,177	114,933
With flat screen monitors	3,847	76,160	19.8	12,130	3,977	1,166	113,832
With multiple monitors	911	30,946	34.0	5,445	1,785	523	50,411
Laptop computers	2,730	63,486	23.3	10,073	3,303	968	94,088
Dedicated servers	1,748	53,369	30.5	9,041	2,964	869	84,019
Laser printers	2,339	54,256	23.2	8,910	2,921	856	83,064
Inkjet printers	2,187	36,235	16.6	5,449	1,787	524	52,214
FAX machines	3,185	66,682	20.9	10,712	3,512	1,029	100,207
Photocopiers	2,163	59,277	27.4	9,451	3,099	908	88,288
<b>Number of desktop computers</b>							
None	1,258	7,806	6.2	681	223	65	6,943
1 to 4	2,039	15,669	7.7	2,134	700	205	20,849
5 to 9	821	9,422	11.5	1,391	456	134	13,152
10 to 19	482	9,388	19.5	1,344	441	129	13,203
20 to 49	355	13,094	36.9	2,185	716	210	20,062
50 to 99	143	8,284	57.8	1,244	408	120	11,748
100 to 249	92	9,728	105.6	1,663	545	160	14,675
250 or more	44	11,478	258.3	2,292	751	220	21,243



**Table C13. Total electricity consumption and expenditures, 2012**

	All buildings using electricity			Electricity consumption		Electricity expenditures	
	Number of buildings (thousand)	Total floorspace (million square feet)	Floorspace per building (thousand square feet)	Primary	Site	Total (billion kWh)	Total (million dollars)
				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Number of laptop computers</b>							
None	2,504	21,382	8.5	2,860	938	275	27,787
1 to 4	1,944	21,161	10.9	2,837	930	273	27,026
5 to 9	350	8,345	23.9	1,314	431	126	12,044
10 to 19	181	8,343	46.0	1,358	445	131	12,884
20 to 49	144	9,643	67.2	1,603	525	154	14,733
50 to 99	58	5,234	91.0	889	292	85	8,429
100 to 249	35	5,217	150.9	939	308	90	8,261
250 or more	20	5,542	280.8	1,134	372	109	10,710
<b>Number of dedicated servers</b>							
None	3,486	31,499	9.0	3,893	1,276	374	37,856
1 to 4	1,562	34,097	21.8	5,170	1,695	497	48,512
5 to 9	97	6,241	64.3	1,048	343	101	9,574
10 to 19	50	5,711	113.6	1,137	373	109	10,592
20 to 49	25	3,758	147.4	730	239	70	6,538
50 or more	13	3,562	271.4	956	313	92	8,803
<b>Number of photocopiers</b>							
None	3,071	25,592	8.3	3,483	1,142	335	33,587
One	1,325	17,080	12.9	2,233	732	215	21,199
2 to 4	648	20,312	31.4	3,044	998	293	28,580
5 to 9	116	8,863	76.7	1,501	492	144	13,456
10 or more	75	13,022	174.7	2,673	876	257	25,054
<b>Number of TVs or video displays</b>							
None	2,395	22,115	9.2	2,328	763	224	23,257
One	1,145	9,990	8.7	1,256	412	121	11,897
2 to 4	1,035	16,465	15.9	2,455	805	236	24,096
5 to 9	314	8,148	25.9	1,562	512	150	14,468
10 to 19	154	8,168	53.1	1,526	500	147	13,430
20 to 49	106	8,058	76.1	1,452	476	140	13,521
50 to 99	48	4,378	90.9	805	264	77	7,071
100 or more	37	7,547	201.5	1,550	508	149	14,136
<b>Food preparation or serving areas in non-food service buildings (more than one may apply)</b>							
Snack bar or concession stand	153	9,884	64.6	1,986	651	191	18,136
Fast food or small restaurant	173	9,787	56.5	2,334	765	224	21,235
Cafeteria or large restaurant	130	15,222	117.1	2,714	890	261	24,625
Commercial kitchen/food preparation area	282	16,150	57.2	3,038	996	292	27,221
Small kitchen area	736	14,054	19.1	2,113	693	203	19,739

**Table C13. Total electricity consumption and expenditures, 2012**

	All buildings using electricity			Electricity consumption		Electricity expenditures	
	Number of buildings (thousand)	Total floorspace (million square feet)	Floorspace per building (thousand square feet)	Primary	Site	Total (billion kWh)	Total (million dollars)
				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875
<b>Separate computer areas (more than one may apply)</b>							
Data center or server farm	97	11,105	115.1	2,481	814	238	22,702
Computer-based training room	244	17,723	72.7	3,119	1,022	300	28,326
Student or public computer center	238	14,341	60.1	2,112	692	203	18,779
<b>HVAC conservation features (more than one may apply)</b>							
Economizer cycle	601	30,749	51.2	5,609	1,839	539	51,308
Regular HVAC maintenance	3,178	69,244	21.8	11,536	3,782	1,108	107,543
Building automation system (BAS) <sup>2</sup>	781	37,051	47.5	6,971	2,285	670	63,815
<b>Window and interior lighting features (more than one may apply)</b>							
Multipaned windows	2,959	59,730	20.2	9,682	3,174	930	89,208
Tinted window glass	1,843	44,399	24.1	7,476	2,451	718	68,961
Reflective window glass	543	15,837	29.1	3,127	1,025	300	28,594
External overhangs or awnings	1,845	32,062	17.4	5,716	1,874	549	52,842
Skylights or atriums	581	22,076	38.0	3,450	1,131	332	31,935
Light scheduling	918	30,263	33.0	5,632	1,847	541	53,018
Occupancy sensors	813	35,871	44.1	6,333	2,076	609	58,844
Multi-level lighting or dimming	349	14,534	41.7	2,834	929	272	26,331
Daylight harvesting	125	6,114	48.8	1,133	371	109	10,563
Demand responsive lighting	176	4,738	26.9	830	272	80	8,365
Building automation system (BAS) for lighting <sup>2</sup>	208	12,068	57.9	2,488	816	239	23,034
<b>Equipment usage reduced when building not in full use (more than one may apply)</b>							
Heating	3,696	63,147	17.1	9,290	3,046	893	88,705
Cooling	3,517	62,516	17.8	9,387	3,078	902	89,825
Lighting	4,757	78,594	16.5	11,833	3,880	1,137	111,970
<b>Annual consumption (kilowatthours)</b>							
10,000 or less	773	3,084	4.0	42	14	4	574
10,001 to 50,000	1,881	10,502	5.6	519	170	50	6,062
50,001 to 100,000	865	7,602	8.8	648	213	62	6,932
100,001 to 500,000	1,261	21,313	16.9	2,942	964	283	29,318
500,001 to 1,000,000	238	10,050	42.2	1,714	562	165	16,029
1,000,001 to 5,000,000	188	20,739	110.1	3,944	1,293	379	35,863
Over 5,000,000	28	11,578	411.7	3,124	1,024	300	27,099

**Table C13. Total electricity consumption and expenditures, 2012**

	All buildings using electricity			Electricity consumption		Electricity expenditures	
	Number of buildings (thousand)	Total floorspace (million square feet)	Floorspace per building (thousand square feet)	Primary	Site	Total (billion kWh)	Total (million dollars)
				Total (trillion Btu)	Total (trillion Btu)		
<b>All buildings</b>	5,234	84,869	16.2	12,934	4,241	1,243	121,875

<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).

<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/> • Site electricity is the amount of electricity delivered to commercial buildings. Primary electricity, which is not included in the *Total of major fuels* category, is site electricity plus the conversion losses in the generation, transmission, and distribution processes. • 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 E of the 2012 Commercial Buildings Energy Consumption Survey.