Release date: February 2015 Revised date: May 2016

Table B4. Census region and division, number of buildings, 2012

		Northeast	ا	Midwest		South	West				
	All buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific	
All buildings	5,557	302	504	735	502	1,091	370	786	338	929	
Building floorspace (square feet)											
1,001 to 5,000	2,777	141	231	372	273	535	202	423	175	426	
5,001 to 10,000	1,229	72	100	144	113	245	83	164	72	239	
10,001 to 25,000	884	57	95	115	68	174	49	103	62	159	
25,001 to 50,000	332	18	29	55	27	64	15	48	13	62	
50,001 to 100,000	199	9	28	27	14	43	15	30	10	24	
100,001 to 200,000	90	3	15	13	4	20	4	13	3	14	
200,001 to 500,000	38	2	5	8	2	7	2	4	3	5	
Over 500,000	8	Q	2	1	(*)	2	Q	1	1	1	
Principal building activity											
Education	389	16	29	44	23	87	14	58	24	94	
Food sales	177	Q	Q	Q	Q	40	Q	Q	Q	24	
Food service	380	Q	36	45	32	78	35	47	22	59	
Health care	157	4	18	21	23	23	10	21	18	19	
Inpatient	10	1	1	Q	1	Q	Q	1	(*)	1	
Outpatient	147	Q	17	20	22	21	Q	20	17	18	
Lodging	158	Q	20	9	14	33	14	22	12	26	
Mercantile	602	34	64	84	47	142	31	78	31	91	
Retail (other than mall)	438	Q	54	62	41	92	Q	64	22	61	
Enclosed and strip malls	164	Q	9	22	6	51	Q	14	9	30	
Office	1,012	54	94	154	76	198	63	129	65	179	
Public assembly	352	36	29	65	34	45	34	31	16	61	
Public order and safety	84	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Religious worship	412	Q	28	50	42	80	57	58	22	52	
Service	619	41	68	102	75	100	41	89	Q	78	
Warehouse and storage	796	28	61	79	84	177	22	126	46	173	
Other	125	Q	Q	Q	Q	17	Q	Q	Q	27	
Vacant	296	Q	Q	24	27	58	Q	68	Q	34	
Year constructed											
Before 1920	362	46	66	54	52	45	34	24	Q	29	
1920 to 1945	488	24	101	85	55	57	25	46	22	72	
1946 to 1959	599	31	64	71	39	112	36	81	30	134	
1960 to 1969	639	30	70	86	73	117	46	68	23	124	
1970 to 1979	684	29	46	107	53	126	47	100	54	121	
1980 to 1989	915	45	41	91	81	205	60	162	63	168	
1990 to 1999	845	35	55	131	72	174	67	144	47	121	
2000 to 2003	375	21	25	46	34	83	16	60	28	62	
2004 to 2007	347	Q	15	33	16	91	22	51	38	Q	
2008 to 2012	303	Q	20	30	26	80	Q	50	21	39	

Table B4. Census region and division, number of buildings, 2012

All buildings         New buildings         Middle England         North Central         West North North Central         South Atlantic         South Central           All buildings         5,557         302         504         735         502         1,091         370           Number of floors         0ne         3,836         124         236         468         317         803         287	West South Central 786 647 110	Moun- tain	Pacific 929
All buildings     5,557     302     504     735     502     1,091     370       Number of floors       One     3,836     124     236     468     317     803     287	647	338	929
One 3,836 124 236 468 317 803 287			
One 3,836 124 236 468 317 803 287			
	110	249	704
Two 1,158 101 135 173 124 205 63	110	73	175
Three 374 62 84 73 48 38 10	15	12	31
Four to nine 177 14 45 20 13 42 Q	12	3	17
Ten or more 13 Q 3 2 Q 3 Q	1	1	1
Elevators and escalators			
(more than one may apply)			
Any elevators 405 31 59 66 35 83 17	38	17	60
Number of elevators			
One 272 24 34 47 27 51 12	26	11	39
Two to five 118 6 21 17 8 28 4	10	5	19
Six or more 16 (*) 4 2 1 3 1	1	1	2
Any escalators 10 Q 3 Q Q 1 Q	(*)	Q	1
Number of workers (main shift)			
Fewer than 5 2,892 153 262 403 312 517 205	440	177	423
5 to 9 1,085 72 82 131 93 234 60	155	68	191
10 to 19 731 38 68 82 47 147 55	96	53	146
20 to 49 513 22 46 70 34 112 32	54	27	116
50 to 99 22 32 9 55 13	28	7	30
100 to 249 93 5 16 11 7 21 3	9	5	16
250 or more 37 2 9 5 2 6 1	5	2	7
Weekly operating hours			
Fewer than 40 1,149 55 95 161 129 184 114	190	75	146
40 to 48 1,346 66 103 169 133 234 95	207	81	259
49 to 60 1,244 73 125 160 94 277 61	163	75	216
61 to 84 764 61 70 101 54 162 34	74	45	163
85 to 167 479 23 52 63 34 112 27	65	22	79
Open continuously 575 24 60 81 58 122 38	87	40	66
Ownership and occupancy			
Nongovernment owned 4,781 266 457 636 430 971 303	685	278	756
Owner occupied 2,466 148 252 358 270 445 171	367	146	309
Leased to tenant(s)         1,745         82         157         219         110         392         92	236	85	372
Owner occupied and leased 349 28 34 38 31 84 21	34	24	54
Unoccupied 221 Q Q Q 49 Q	47	Q	21
Government owned 776 36 47 100 72 121 67	101	61	172
Federal 33 Q Q Q Q 4 Q	Q	Q	Q
State 185 Q 10 15 16 40 21	17	22	41
Local 558 31 36 78 54 77 41	80	33	130

Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South		\	Nest	
	All buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific
All buildings	5,557	302	504	735	502	1,091	370	786	338	929
Party responsible for operation										
and maintenance of energy										
systems										
Building owner	4,715	243	418	649	470	889	313	680	300	754
Business owner or tenant	724	48	76	72	30	169	45	94	31	159
Property management	54	Q	Q	Q	Q	17	Q	Q	Q	Q
Other	64	Q	Q	Q	Q	Q	Q	Q	Q	Q
Provider of direct input on energy-										
related equipment purchases										
Building owner	4,876	253	429	664	472	933	317	696	311	801
Business owner or tenant	540	37	58	52	25	122	36	71	22	117
Property management	35	Q	Q	Q	Q	12	Q	Q	Q	Q
Other	106	Q	Q	Q	Q	24	Q	Q	Q	Q
Number of establishments										
One	4,205	219	384	569	405	792	300	598	241	698
2 to 5	862	60	90	124	68	185	41	102	53	140
6 to 10	147	Q	10	14	Q	40	Q	18	Q	34
11 to 20	68	Q	4	7	Q	17	Q	7	Q	20
More than 20	27	Q	2	1	Q	7	Q	1	Q	Q
Currently unoccupied	248	Q	Q	Q	Q	50	Q	60	Q	28
Campus or complex activity										
Not part of a campus or complex	3,683	173	378	548	374	676	289	520	217	509
Primary or secondary school	237	Q	5	12	15	45	Q	38	22	88
College or university	84	9	6	6	5	17	Q	12	Q	15
Office complex	154	Q	17	22	Q	27	Q	23	Q	30
Retail complex	258	Q	13	30	15	73	Q	29	15	54
Storage complex	314	Q	Q	45	Q	77	Q	56	Q	62
Religious campus or complex	197	Q	17	Q	Q	48	Q	27	Q	48
Health care complex	52	Q	11	Q	<u>-</u> 5	7	4	Q	Q	5
Lodging or resort complex	65	Q	Q	Q	Q	18	 Q	Q	Q	Q
Transportation complex	35	N	<u>-</u>	Q	Q	Q	Q	Q	Q	 Q
Government complex	104	Q	11	Q	Q	21	Q	Q	Q	15
Other	371	44	22	36	28	81	Q	48	14	85
Predominant exterior wall material Brick, stone, or stucco	2,312	81	236	336	191	437	174	323	169	365
		36	104			313	64		49	
Concrete (block or poured)	1,121			149	68			152	49 9	188
Concrete panels	210	Q 127	15	16	6	42	Q	24		Q 174
Siding or shingles	905	137	102	126	92	107	61	70	36	174
Metal panels	933	39	43	91	140	180	65	213	73	89
Window glass	17	Q	3	Q	N	Q	Q	Q	Q	10
Other	37	Q	Q	Q	Q	Q	Q	Q	Q	Q
No one major type	21	Q	Q	Q	Q	Q	Q	Q	Q	Q

Table B4. Census region and division, number of buildings, 2012

Predominant roof material   Predominant roof material roof roof roof roof roof roof roof roo			Northeast	ا	Midwest		South		\	West		
Metal surfacing			_		North	North		South	South		Pacific	
Predominant roof material   Metal surfacing   1,672   Q   78   156   211   360   160   338   119     Synthetic or rubber   911   55   120   188   104   151   45   65   62     Built-up   836   21   69   78   39   189   45   138   43     Slate or tile shingles   406   Q   51   36   Q   89   Q   57   28     Wooden materials (Including shingles)   157   Q   Q   Q   Q   35   Q   Q   Q     Asphalt, fiberglass, or other shingles   1,483   125   157   244   127   244   95   159   80     Concrete   51   Q   Q   Q   Q   18   Q   Q   Q   Q   Q   Q   Q   Q   Q	All buildings											
Metal surfacing   1,672   Q   78	All buildings	5,55/	302	504	/35	502	1,091	370	/86	338	929	
Synthetic or rubber         911         55         120         188         104         151         45         65         62           Built-up         836         21         69         78         39         189         45         138         43           Slate or tile shingles         406         Q         51         36         Q         89         Q         75         28           Wooden materials (including shingles)         78         Q												
Built-up   Bails   21   69   78   39   189   45   138   43     Slate or tile shingles   406   Q   51   36   Q   89   Q   57   28     Wooden materials (including shingles)   157   Q   Q   Q   Q   35   Q   Q   Q     Asphalf, fiberglass, or other shingles   1,483   125   157   244   127   244   95   159   80     Concrete   51   Q   Q   Q   Q   Q   Q   Q   Q   Q	Metal surfacing	1,672	Q	78	156	211	360	160	338	119	179	
Salate or tile shingles   406   Q   51   36   Q   89   Q   57   28	Synthetic or rubber	911	55	120	188	104	151	45	65	62	121	
Wooden materials (including shingles)         157         Q         Q         Q         Q         B         Q	Built-up	836	21	69	78	39	189	45	138	43	213	
shingles)         157         Q         Q         Q         Q         35         Q         Q         Q           Asphalt, fiberglass, or other shingles         1,483         125         157         244         127         244         95         159         80           Concrete         51         Q	Slate or tile shingles	406	Q	51	36	Q	89	Q	57	28	103	
other shingles         1,483         125         157         244         127         244         95         159         80           Concrete         51         Q		157	Q	Q	Q	Q	35	Q	Q	Q	41	
Concrete         51         Q         Q         Q         Q         18         Q         Q         Q           Other         24         Q		1.483	125	157	244	127	244	95	159	80	252	
Other         24         Q <td></td> <td></td> <td></td> <td></td> <td>Q</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11</td>					Q						11	
No one major type   18	Other										Q	
Roof characteristics   Roof tilt	No one major type										Q	
Flat         1,960         76         210         244         114         421         93         250         110           Shallow pitch         2,148         84         130         252         241         409         164         382         154           Steeper pitch         1,449         142         164         239         147         262         113         153         75           Cool roof         740         Q         54         80         52         118         63         99         67           Renovations in buildings            Control         80         52         118         63         99         67           Renovations in buildings           Control 2008         Control         80         52         299         222         354         168         267         110           Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17												
Shallow pitch         2,148         84         130         252         241         409         164         382         154           Steeper pitch         1,449         142         164         239         147         262         113         153         75           Cool roof         740         Q         54         80         52         118         63         99         67           Renovations in buildings constructed before 2008 (more than one may apply)           Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         Q         I6         Q         Q         Q           Roof replacement         987         71         107         147         125         134         101         124         45           Exterior wall replacement         194         11         20         27         23         35         24         24         Q	Roof tilt											
Steeper pitch         1,449         142         164         239         147         262         113         153         75           Cool roof         740         Q         54         80         52         118         63         99         67           Renovations in buildings constructed before 2008 (more than one may apply)           Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         16         Q	Flat	1,960	76	210	244	114	421	93	250	110	442	
Cool roof         740         Q         54         80         52         118         63         99         67           Renovations in buildings constructed before 2008 (more than one may apply)           Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         Q         16         Q         Q         Q           Roof replacement         987         71         107         147         125         134         101         124         45           Exterior wall replacement         194         11         20         27         23         35         24         24         Q           Interior wall reconfiguration         889         61         119         138         72         134         62         98         46           Window replacement         560         52         66         96         60         81         44         59         28 </td <td>Shallow pitch</td> <td>2,148</td> <td>84</td> <td>130</td> <td>252</td> <td>241</td> <td>409</td> <td>164</td> <td>382</td> <td>154</td> <td>333</td>	Shallow pitch	2,148	84	130	252	241	409	164	382	154	333	
Renovations in buildings constructed before 2008 (more than one may apply)  Any type of renovation 2,094 130 222 299 222 354 168 267 110 Addition or annex 444 31 32 78 59 89 37 50 17 Reduction in floorspace 71 Q Q Q Q 16 Q Q Q Q Q Q Q Q Q Q Q Q Q Q	Steeper pitch	1,449	142	164	239	147	262	113	153	75	154	
constructed before 2008 (more than one may apply)           Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         16         Q	Cool roof	740	Q	54	80	52	118	63	99	67	185	
constructed before 2008 (more than one may apply)           Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         16         Q	Renovations in buildings											
Any type of renovation         2,094         130         222         299         222         354         168         267         110           Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         Q         16         Q	•											
Addition or annex         444         31         32         78         59         89         37         50         17           Reduction in floorspace         71         Q         Q         Q         Q         16         Q         Q         Q           Roof replacement         987         71         107         147         125         134         101         124         45           Exterior wall replacement         194         11         20         27         23         35         24         24         Q           Interior wall reconfiguration         889         61         119         138         72         134         62         98         46           Window replacement         560         52         66         96         60         81         44         59         28           HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105 </td <td>(more than one may apply)</td> <td></td>	(more than one may apply)											
Reduction in floorspace         71         Q         Q         Q         Q         16         Q         Q         Q           Roof replacement         987         71         107         147         125         134         101         124         45           Exterior wall replacement         194         11         20         27         23         35         24         24         Q           Interior wall reconfiguration         889         61         119         138         72         134         62         98         46           Window replacement         560         52         66         96         60         81         44         59         28           HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105         75         126         55         93         40           Plumbing system upgrade         644         41         83         <	Any type of renovation	2,094	130	222	299	222	354	168	267	110	322	
Roof replacement         987         71         107         147         125         134         101         124         45           Exterior wall replacement         194         11         20         27         23         35         24         24         Q           Interior wall reconfiguration         889         61         119         138         72         134         62         98         46           Window replacement         560         52         66         96         60         81         44         59         28           HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105         75         126         55         93         40           Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46	Addition or annex	444	31	32	78	59	89	37	50	17	52	
Exterior wall replacement         194         11         20         27         23         35         24         24         Q           Interior wall reconfiguration         889         61         119         138         72         134         62         98         46           Window replacement         560         52         66         96         60         81         44         59         28           HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105         75         126         55         93         40           Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         9	Reduction in floorspace	71	Q	Q	Q	Q	16	Q	Q	Q	Q	
Interior wall reconfiguration         889         61         119         138         72         134         62         98         46           Window replacement         560         52         66         96         60         81         44         59         28           HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105         75         126         55         93         40           Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         92         88         59         90         46         75         29           Structural upgrade         152         22         16	Roof replacement	987	71	107	147	125	134	101	124	45	132	
Window replacement         560         52         66         96         60         81         44         59         28           HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105         75         126         55         93         40           Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         92         88         59         90         46         75         29           Structural upgrade         152         22         16         30         13         17         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q	Exterior wall replacement	194	11	20	27	23	35	24	24	Q	24	
HVAC equipment upgrade         1,101         69         122         184         107         203         84         135         55           Lighting upgrade         982         66         120         142         90         170         65         118         57           Electrical upgrade         747         58         97         105         75         126         55         93         40           Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         92         88         59         90         46         75         29           Structural upgrade         152         22         16         30         13         17         Q         Q         Q         9           Other         39         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q	Interior wall reconfiguration	889	61	119	138	72	134	62	98	46	158	
Lighting upgrade       982       66       120       142       90       170       65       118       57         Electrical upgrade       747       58       97       105       75       126       55       93       40         Plumbing system upgrade       644       41       83       111       62       109       47       75       34         Insulation upgrade       382       29       46       77       45       61       35       37       14         Fire, safety, or security upgrade       616       53       92       88       59       90       46       75       29         Structural upgrade       152       22       16       30       13       17       Q       Q       Q       9         Other       39       Q	Window replacement	560	52	66	96	60	81	44	59	28	75	
Electrical upgrade       747       58       97       105       75       126       55       93       40         Plumbing system upgrade       644       41       83       111       62       109       47       75       34         Insulation upgrade       382       29       46       77       45       61       35       37       14         Fire, safety, or security upgrade       616       53       92       88       59       90       46       75       29         Structural upgrade       152       22       16       30       13       17       Q       Q       Q       9         Other       39       Q	HVAC equipment upgrade	1,101	69	122	184	107	203	84	135	55	142	
Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         92         88         59         90         46         75         29           Structural upgrade         152         22         16         30         13         17         Q         Q         9           Other         39         Q	Lighting upgrade	982	66	120	142	90	170	65	118	57	154	
Plumbing system upgrade         644         41         83         111         62         109         47         75         34           Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         92         88         59         90         46         75         29           Structural upgrade         152         22         16         30         13         17         Q         Q         9           Other         39         Q		747	58	97	105	75	126	55	93	40	99	
Insulation upgrade         382         29         46         77         45         61         35         37         14           Fire, safety, or security upgrade         616         53         92         88         59         90         46         75         29           Structural upgrade         152         22         16         30         13         17         Q         Q         9           Other         39         Q		644		83				47	75	34	82	
Structural upgrade         152         22         16         30         13         17         Q         Q         9           Other         39         Q <td< td=""><td></td><td>382</td><td>29</td><td>46</td><td>77</td><td>45</td><td>61</td><td>35</td><td>37</td><td>14</td><td>38</td></td<>		382	29	46	77	45	61	35	37	14	38	
Other         39         Q <td>Fire, safety, or security upgrade</td> <td>616</td> <td>53</td> <td>92</td> <td>88</td> <td>59</td> <td>90</td> <td>46</td> <td>75</td> <td>29</td> <td>85</td>	Fire, safety, or security upgrade	616	53	92	88	59	90	46	75	29	85	
No renovations 3,160 153 263 406 254 657 185 469 207	Structural upgrade	152	22	16	30	13	17	Q	Q	9	21	
	Other	39	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Buildings constructed 2008 or later 303 Q 20 30 26 80 Q 50 21	No renovations	3,160	153	263	406	254	657	185	469	207	568	
	Buildings constructed 2008 or later	303	Q	20	30	26	80	Q	50	21	39	

Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South		\	Nest	
	All	New	Middle	East North	West North	South	East South	West South	Moun-	
	buildings	England	Atlantic	Central	Central	Atlantic	Central	Central	tain	Pacific
All buildings	5,557	302	504	735	502	1,091	370	786	338	929
Energy sources (more than one may apply)										
Electricity	5,234	285	485	706	466	1,020	354	712	316	891
Natural gas	2,933	98	335	577	266	387	191	372	218	489
Fuel oil	467	115	102	46	31	69	30	32	8	35
District heat	48	Q	9	3	4	9	Q	5	Q	5
District chilled water	54	Q	Q	2	Q	22	Q	6	1	8
Propane	510	75	31	37	96	94	49	43	29	55
Other	172	Q	22	28	22	19	Q	Q	12	Q
Space-heating energy sources (more than one may apply)										
Electricity	2,858	99	211	282	211	704	239	437	165	511
Natural gas	2,612	82	310	559	260	299	168	316	202	416
Fuel oil	270	105	65	20	19	29	Q	Q	Q	Q
District heat	48	Q	9	3	4	9	Q	5	Q	5
Propane	342	38	21	29	76	58	35	Q	24	Q
Other	101	Q	Q	Q	Q	Q	Q	Q	Q	Q
Primary space-heating energy source										
Electricity	1,819	38	100	90	102	557	153	334	80	365
Natural gas	2,322	75	286	530	238	239	140	268	187	360
Fuel oil	205	93	48	Q	Q	21	Q	Q	Q	Q
District heat	47	Q	9	3	4	8	Q		Q	<u>`</u>
Propane	261	33	Q	Q	61	43	28	Q	Q	Q
Other	67	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cooling energy sources										
(more than one may apply)										
Electricity	4,413	183	400	599	369	917	329	616	258	743
Natural gas	12	Q	3	Q	Q	Q	Q	Q	Q	Q
District chilled water	54	Q	Q	2	Q	22	Q	6	1	8
Water-heating energy sources										
(more than one may apply)										
Electricity	2,658	127	197	295	230	665	238	339	130	437
Natural gas	1,758	55	236	350	143	202	92	233	129	317
Fuel oil	77	46	23	Q	Q	Q	Q	Q	Q	Q
District heat	25	Q	Q	2	Q	Q	Q	Q	Q	3
Propane	142	28	Q	Q	24	21	Q	Q	Q	Q
Cooking energy sources										
(more than one may apply)										
Electricity	1,010	53	67	161	99	206	98	135	58	133
Natural gas	740	33	90	120	43	124	59	103	36	132
Propane	144	Q	10	Q	23	31	Q	Q	Q	Q

Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South	West				
	All buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific	
All buildings	5,557	302	504	735	502	1,091	370	786	338	929	
Energy end uses (more than one may apply)											
Buildings with space heating	4,722	264	463	670	426	873	336	633	293	764	
Buildings with cooling	4,461	187	405	601	370	935	335	621	259	748	
Buildings with water heating	4,423	235	436	629	385	856	325	560	260	737	
Buildings with cooking	1,589	104	145	233	137	307	144	213	84	222	
Buildings with manufacturing	259	20	25	29	26	31	Q	41	Q	63	
Buildings with electricity generation	410	39	68	53	31	71	29	40	19	59	
Percent of floorspace heated											
Not heated	835	38	41	65	76	218	34	153	45	165	
1 to 50	697	32	55	56	47	137	40	121	32	179	
51 to 99	727	53	84	76	61	127	44	96	32	153	
100	3,298	179	324	538	318	610	252	416	230	432	
Percent of floorspace cooled											
Not cooled	1,096	115	99	134	133	156	35	164	79	181	
1 to 50	1,173	57	139	174	107	198	62	163	54	220	
51 to 99	897	57	99	112	65	171	60	99	35	199	
100	2,391	72	168	314	197	567	213	359	171	329	
Percent lit when open											
Zero	70	N	Q	Q	Q	Q	Q	Q	Q	Q	
1 to 50	1,099	55	115	171	121	184	60	135	57	201	
51 to 99	1,666	115	145	245	137	319	80	215	109	302	
100	2,222	98	210	252	175	486	201	324	121	355	
Building never open/electricity											
not used	501	Q	Q	58	64	95	26	95	42	61	
Percent lit during off hours											
Zero	2,489	150	216	267	261	452	157	335	173	478	
1 to 50	2,441	122	238	400	192	492	171	327	126	373	
51 to 100	202	13	26	18	Q	49	23	26	13	27	
Building always open with											
no "off hours"	102	Q	5	Q	Q	27	Q	25	Q	13	
Electricity not used	323	Q	Q	Q	37	71	Q	74	Q	Q	
Heating equipment											
(more than one may apply)	628	14	34	23	31	270	51	62	25	100	
Heat pumps						279				109	
Furnaces	755	27	58	159	92	87	58	137	53	84	
Individual space heaters	1,247	92	147	184	157	162	88	131	102	185	
District heat	48	Q	9	3	4	9	Q	5	Q	5	
Boilers	544	87	134	101	47	52	15	30	25	52	
Packaged heating units	2,802	112	235	410	235	504	225	399	178	505	
Other	62	Q	Q	Q	Q	Q	Q	Q	Q	Q	

Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South	West				
	All buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific	
All buildings	5,557	302	504	735	502	1,091	370	786	338	929	
Cooling equipment											
(more than one may apply)											
Residential-type central air											
conditioners	1,546	53	124	305	175	251	112	270	73	182	
Heat pumps	692	16	38	33	32	296	54	59	31	134	
Individual air conditioners	709	67	123	80	68	121	54	81	23	91	
District chilled water	54	Q	Q	2	Q	22	Q	6	1	8	
Central chillers	163	12	14	24	13	40	8	22	12	18	
Packaged air conditioning units	1,909	81	172	235	127	376	156	254	125	383	
Swamp coolers	109	Q	Q	Q	N	Q	N	Q	36	53	
Other	Q	Q	Q	Q	Q	Q	N	Q	Q	Q	
Main equipment replaced since 1990 (more than one may apply)											
Heating	1,874	106	208	268	179	349	130	265	99	269	
Cooling	1,971	95	219	271	181	424	139	273	87	283	
Water-heating equipment											
Centralized system	3,348	166	327	490	316	617	268	437	195	533	
Distributed system	690	40	83	90	43	160	28	76	36	135	
Combination of centralized and											
distributed system	385	30	26	49	27	79	29	46	29	69	
Lighting equipment types											
(more than one may apply)											
Incandescent	1,826	111	182	276	183	353	149	219	105	247	
Standard fluorescent	4,649	236	448	620	398	948	319	624	269	788	
Compact fluorescent	2,302	139	214	349	194	422	136	282	132	433	
High-intensity discharge (HID)	525	34	41	73	37	122	29	67	27	95	
Halogen	905	70	79	138	64	196	44	137	45	132	
LED	473	36	47	80	34	96	29	38	26	87	
Other	10	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Refrigeration equipment (more than one may apply)											
Any refrigeration	3,984	212	381	566	332	789	311	530	222	641	
Walk-in units	811	59	81	113	62	180	51	100	43	122	
Cases or cabinets	915	68	98	132	72	191	66	100	51	138	
Large cold storage areas	78	Q	11	9	Q	19	Q	7	Q	14	
Commercial ice makers	846	36	64	111	55	216	77	119	49	118	
Residential-type or compact units	3,388	186	325	495	300	640	261	441	185	554	
Vending machines	960	47	88	117	77	220	89	126	51	145	
No refrigeration	1,573	90	122	170	170	303	59	256	116	287	

Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South		West			
	All buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific	
All buildings	5,557	302	504	735	502	1,091	370	786	338	929	
Office equipment (more than one may apply)											
Desktop computers	3,977	209	384	549	327	805	247	498	233	724	
With flat screen monitors	3,847	201	368	529	312	786	232	489	223	709	
With multiple monitors	911	37	83	126	57	192	51	115	64	186	
Laptop computers	2,730	151	261	385	213	557	179	338	155	492	
Dedicated servers	1,748	100	154	229	129	349	105	239	110	332	
Laser printers	2,339	121	234	339	185	457	130	270	155	448	
Inkjet printers	2,187	112	199	269	199	469	143	304	111	382	
FAX machines	3,185	162	325	447	238	648	191	420	183	573	
Photocopiers	2,163	138	217	309	165	396	141	271	129	397	
Number of desktop computers											
None	1,581	93	120	186	175	287	122	288	105	205	
1 to 4	2,039	117	204	295	189	398	126	256	117	337	
5 to 9	821	Q	67	116	70	171	61	102	46	164	
10 to 19	482	37	49	52	29	98	26	64	35	92	
20 to 49	355	17	32	40	22	80	19	40	19	86	
50 to 99	143	7	13	25	8	29	9	20	6	26	
100 to 249	92	6	14	14	6	20	3	8	7	14	
250 or more	44	2	6	7	3	9	2	7	3	5	
Number of laptop computers											
None	2,827	151	243	350	289	535	190	448	184	437	
1 to 4	1,944	96	187	286	165	382	129	243	108	347	
5 to 9	350	25	28	43	19	79	15	48	25	68	
10 to 19	181	15	18	19	10	37	18	16	6	42	
20 to 49	144	8	11	18	10	38	9	15	8	25	
50 to 99	58	3	7	10	4	10	4	9	5	7	
100 to 249	35	3	6	6	Q Q	5	Q Q	5 5	2	2	
250 or more	20	Q	3	3	Q	6	Q	2	1	2	
Number of dedicated servers											
None	3,809	201	350	506	373	743	264	547	228	597	
1 to 4	1,562	92	136	206	119	309	92	218	98	294	
5 to 9	97	5	9	14	5	21	6	10	5	20	
10 to 19	50	2	5 5	4	3	13	Q	8	Q	8	
20 to 49	25	Q	2	3	Q	4	Q	2	1	8	
50 or more	13	Q	3	2	Q	2	Q	Q	Q	3	
Number of photocopiers											
None	3,394	164	287	426	337	695	229	515	210	532	
One	1,325	90	126	198	101	228	93	165	81	244	
2 to 4	648	38	66	85	55	125	35	86	39	119	
5 to 9	116	7	11	17	6	28	7	12	5	22	
10 or more	75	3	14	9	4	16	7	8	3	12	
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Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South			West	
	All buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Moun- tain	Pacific
All buildings	5,557	302	504	735	502	1,091	370	786	338	929
Number of TVs or video displays										
None	2,718	165	229	340	275	523	162	392	192	441
One	1,145	59	105	172	101	214	75	182	56	181
2 to 4	1,035	45	109	143	69	210	80	130	53	197
5 to 9	314	17	34	40	31	60	28	38	13	53
10 to 19	154	8	12	18	13	33	12	23	13	21
20 to 49	106	Q	7	10	8	29	7	10	7	20
50 to 99	48	Q	2		o	14	, Q	6	<del>-</del>	20
100 or more	37	1	6	5	2	9	Q	4	Q	5
Food preparation or serving areas in non-food service buildings (more than one may apply)										
Snack bar or concession stand	153	Q	10	22	11	39	10	18	9	26
Fast food or small restaurant	173	17	12	16	15	40	12	24	11	26
Cafeteria or large restaurant	130	11	18	20	8	32	8	15	6	12
Commercial kitchen/										
food preparation area	282	18	27	50	22	61	20	28	16	40
Small kitchen area	736	45	69	113	71	126	81	99	38	94
Separate computer areas (more than one may apply) Data center or server farm	97	6	8	18	7	16	6	9	8	18
Computer-based training room	244	12	22	31	16	56	24	31	20	31
Student or public computer center	238	15	24	28	18	42	17	33	15	46
HVAC conservation features (more than one may apply)										
Economizer cycle	601	30	77	97	44	90	15	43	43	163
Regular HVAC maintenance	3,178	180	300	437	237	655	212	412	188	556
Building automation system (BAS) <sup>1</sup>	781	42	75	108	52	154	42	95	44	169
Window and interior lighting features (more than one may apply)										
Multipaned windows	3,012	203	280	509	333	547	203	322	213	401
Tinted window glass	1,875	56	99	237	135	367	131	323	111	416
Reflective window glass	549	23	39	75	38	112	33	61	45	123
External overhangs or awnings	1,867	76	129	233	160	450	131	240	118	331
Skylights or atriums	591	44	37	62	32	123	29	58	46	161
Light scheduling	918	49	82	149	55	191	56	111	42	183
Occupancy sensors	813	59	78	116	38	146	31	79	48	218
Multi-level lighting or dimming	349	23	30	47	22	80	24	29	21	72
Daylight harvesting	125	Q	11	19	10	22	Q	23	7	17
Demand responsive lighting Building automation system (BAS) for	176	Q	7	21	Q	45	Q	Q	Q	Q
lighting <sup>1</sup>	208	10	22	23	14	39	14	30	12	44

Table B4. Census region and division, number of buildings, 2012

		Northeast		Midwest		South			West	
	All buildings	New England	Middle Atlantic		West North Central	South	East South Central	West South Central	Moun- tain	Pacific
All buildings	5,557	302	504	735	502	1,091	370	786	338	929
Equipment usage reduced when building not in full use (more than one may apply)										
Heating	3,699	206	376	529	313	637	266	495	230	647
Cooling	3,517	154	318	481	283	675	268	496	213	629
Lighting	4,757	261	446	631	424	917	335	647	277	819

<sup>&</sup>lt;sup>1</sup>In earlier CBECS publications, BAS was referred to as *Energy Management and Control System (EMCS)*.

Notes: • Because of rounding, data may not sum to totals. • See *Guide to the 2012 CBECS Detailed Tables* or *CBECS Terminology* for definition 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/

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

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.

<sup>(\*) =</sup> Value rounds to zero in the units displayed.