Release date: February 2015 Revised date: May 2016

Table B9. Year constructed, floorspace, 2012

	Year constructed										
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012		
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723		
Building floorspace (square feet)											
1,001 to 5,000	8,041	1,418	918	806	974	1,238	1,281	1,038	369		
5,001 to 10,000	8,900	1,154	793	1,149	1,069	1,655	1,461	1,038	581		
10,001 to 25,000	14,105	1,924	1,328	1,773	1,862	2,430	1,871	2,003	914		
25,001 to 50,000	11,917	1,407	829	1,469	1,557	2,362	1,628	1,897	768		
50,001 to 100,000	13,918	1,040	1,315	1,736	1,563	1,845	2,732	2,578	1,110		
100,001 to 200,000	12,415	1,162	927	1,333	1,488	1,872	1,882	2,504	1,248		
200,001 to 500,000	10,724	836	1,002	1,444	1,151	2,561	1,694	1,456	578		
Over 500,000	7,074	1,069	269	653	1,181	1,268	1,254	1,225	Q		
Principal building activity											
Education	12,239	1,382	1,447	2,180	1,178	1,268	1,655	2,327	802		
Food sales	1,252	Q	Q	Q	Q	157	292	Q	Q		
Food service	1,819	318	183	167	243	306	309	180	Q		
Health care	4,155	197	356	384	867	595	604	608	544		
Inpatient	2,374	Q	244	265	681	215	304	311	292		
Outpatient	1,781	Q	Q	119	186	380	301	298	Q		
Lodging	5,826	375	362	761	830	1,178	1,066	850	403		
Mercantile	11,330	639	657	1,029	1,573	2,275	2,085	2,168	902		
Retail (other than mall)	5,439	632	303	387	534	767	1,072	1,190	554		
Enclosed and strip malls	5,890	Q	354	642	1,039	1,508	1,013	978	Q		
Office	15,952	2,506	1,254	1,427	2,125	3,969	2,108	1,914	649		
Public assembly	5,559	1,020	521	866	586	599	890	718	360		
Public order and safety	1,440	Q	Q	Q	Q	Q	419	Q	Q		
Religious worship	4,557	703	612	704	378	547	651	765	Q		
Service	4,630	671	330	520	629	877	775	584	245		
Warehouse and storage	13,077	1,153	740	1,386	1,467	2,294	2,204	2,753	1,081		
Other	2,002	Q	Q	Q	Q	273	280	236	Q		
Vacant	3,256	680	348	305	454	712	464	Q	Q		
Census region											
Northeast	15,534	3,591	1,581	2,240	1,952	1,743	2,044	1,480	903		
Midwest	18,919	2,808	1,662	2,687	2,619	2,617	2,798	2,731	997		
South	34,279	2,485	2,634	3,499	3,693	6,942	6,172	6,154	2,701		
West	18,360	1,124	1,504	1,937	2,582	3,929	2,788	3,374	1,122		
		±,±£¬	1,307	-,,,,,	2,302	3,323	_,,,,,		1,122		
Climate region <sup>1</sup> Very cold/Cold	31,898	4,886	3,072	/ 115	4,190	4,352	4,884	4,384	2,016		
Mixed-humid				4,115							
	27,873	3,425	2,489	3,440	3,137	4,411	4,458	4,503	2,011		
Mixed-dry/Hot-dry Hot-humid	12,037	777	1,023	1,514	1,690	2,334	1,565	2,227	908		
Marine	12,831 2,454	715 205	604 Q	974 318	1,598 232	3,397 737	2,553 344	2,266 359	724 Q		

Table B9. Year constructed, floorspace, 2012

	Year constructed									
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012	
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723	
Number of floors										
One	39,809	2,080	3,194	3,969	4,970	7,897	7,756	7,022	2,921	
Two	20,206	1,716	1,926	3,192	3,000	3,135	2,866	3,234	1,137	
Three	8,140	2,146	642	1,070	700	996	827	1,091	667	
Four to nine	13,535	3,079	1,404	1,364	1,332	1,899	1,708	1,879	871	
Ten or more	5,404	988	215	767	844	1,303	646	512	Q	
Elevators and escalators										
(more than one may apply)	22.120	4.050	2.401	2.025	2.072	F 00C	4.040	F 1F1	2 207	
Any elevators  Number of elevators	32,120	4,656	2,401	3,825	3,973	5,086	4,640	5,151	2,387	
	11 150	1 067	074	1 /20	1 226	1 117	1 624	2.062	750	
One Two to five	11,158 12,817	1,967	974	1,438	1,226	1,117 2,271	1,624	2,062	750	
Six or more	8,145	1,491	1,037 390	1,409 979	1,528		1,873	1,956 1,133	1,252	
Any escalators	3,654	1,198 738	390 Q	375	1,219 576	1,698 722	1,143 534	542	385 Q	
	3,034	730	Q		370			342	Q	
Number of workers (main shift) Fewer than 5	17,751	3,338	1,890	2,109	2,100	2,678	2,546	2,138	954	
5 to 9	8,973	1,121	723	1,185	1,175	1,443	1,252	1,332	743	
10 to 19	9,623	844	755	1,167	1,425	1,566	1,686	1,469	743	
20 to 49	14,514	1,067	1,043	2,016	1,706	2,771	2,460	2,426	1,026	
50 to 99	13,476	1,293	1,472	1,610	1,171	2,371	2,305	2,298	955	
100 to 249	10,941	812	812	1,321	1,139	1,849	1,802	2,358	849	
250 or more	11,815	1,535	686	955	2,131	2,552	1,752	1,718	485	
Weekly operating hours										
Fewer than 40	8,220	1,783	962	909	1,178	1,109	1,223	784	272	
40 to 48	15,828	2,281	1,933	1,949	1,588	2,689	2,081	2,418	889	
49 to 60	20,529	2,113	1,550	2,353	2,393	4,379	3,263	3,216	1,263	
61 to 84	15,867	1,558	1,073	2,079	2,101	2,902	2,468	2,466	1,220	
85 to 167	9,395	913	713	1,112	1,041	1,094	1,395	2,381	745	
Open continuously	17,253	1,360	1,150	1,961	2,545	3,057	3,373	2,474	1,333	
Ownership and occupancy										
Nongovernment owned	67,550	7,187	5,253	7,070	8,539	13,074	10,757	10,940	4,729	
Owner occupied	30,637	3,420	2,918	3,356	3,618	4,465	5,366	5,244	2,251	
Leased to tenant(s)	26,115	2,366	1,458	2,554	3,578	5,961	4,076	4,365	1,757	
Owner occupied and leased	8,873	1,054	628	911	1,048	2,277	1,066	1,239	651	
Unoccupied	1,925	348	249	249	295	Q	Q	Q	Q	
Government owned	19,543	2,821	2,128	3,293	2,306	2,156	3,046	2,799	994	
Federal	1,573	588	Q	Q	Q	Q	277	Q	N	
State	5,539	761	679	991	895	580	687	709	Q	
Local	12,431	1,472	1,413	2,097	1,246	1,509	2,081	1,855	757	

Table B9. Year constructed, floorspace, 2012

Mildings   Mildings		<u> Y</u>	ear constru	cted						
Party responsible for operation and maintenance of energy systems   Sulfing owner   73,702   9,118   6,553   9,223   8,822   12,135   11,688   11,412   4   4   4   4   4   4   4   4   4										2008 to 2012
Systems	All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Building owner   73,702   9,118   6,553   9,223   8,822   12,135   11,688   11,412   4	and maintenance of energy									
Business owner or tenanth   11,309   708   709   1,072   1,646   2,579   1,724   1,902   1,000   1,0	·	73 702	9 118	6 553	9 223	8 822	12 135	11 688	11 412	4,750
Property management         1,250         Q										918
Other         832         Q </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Q</td>										Q
Part										Q
Business owner or tenant										
Property management         880         Q	Building owner	76,271	9,171	6,724	9,414	9,381	12,909	12,020	11,719	4,934
Number of establishments	Business owner or tenant	8,256	557	577	770	1,104	1,694	1,339	1,513	702
Number of establishments  One	Property management	880	Q	Q	Q	Q	Q	Q	Q	Q
One         54,994         6,118         4,937         6,803         6,639         8,315         8,771         9,604         2           2 to 5         17,756         2,421         1,595         2,092         2,065         3,039         2,750         2,393         1           6 to 10         4,425         347         Q         484         604         1,092         636         717           11 to 20         3,821         410         Q         355         439         1,022         710         724           More than 20         3,821         410         Q         359         704         1,363         345         Q           Currently unoccupied         2,393         499         268         269         394         399         Q         Q           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         39           Campus or complex activity           Not part of a campus or complex         4,068         357         494         981         623         229         380         760           Co	Other	1,686	Q	Q	Q	225	390	317	352	Q
2 to 5         17,756         2,421         1,595         2,092         2,065         3,039         2,750         2,393         1           6 to 10         4,425         347         Q         484         604         1,092         636         717           1 to 20         3,704         Q         Q         355         439         1,022         710         724           More than 20         3,821         410         Q         359         704         1,363         545         Q           Currently unoccupied         2,393         499         268         269         394         399         Q         Q           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         391           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6273         6,164         9,696         7,956         8,163         391           College or university         4,068         357         494         981         623         229         380         760	Number of establishments									
6 to 10         4,425         347         Q         484         604         1,092         636         717           11 to 20         3,704         Q         Q         355         439         1,022         710         724           More than 20         3,821         410         Q         359         704         1,363         545         Q           Currently unoccupied         2,393         499         268         269         394         399         20         0           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         3           Primary or secondary school         4,616         522         615         830         580         430         863         591           College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         27         539	One	54,994	6,118	4,937	6,803	6,639	8,315	8,771	9,604	3,805
11 to 20	2 to 5	17,756	2,421	1,595	2,092	2,065	3,039	2,750	2,393	1,401
More than 20         3,821         410         Q         359         704         1,363         545         Q           Currently unoccupied         2,393         499         268         269         394         399         Q         Q           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         3           Primary or secondary school         4,616         522         615         830         580         430         863         591           College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         1,932         382         257         298         248         241         Q         262           Health care complex         1,932         382         257         298	6 to 10	4,425	347		484	604	1,092	636		Q
More than 20         3,821         410         Q         359         704         1,363         545         Q           Currently unoccupied         2,393         499         268         269         394         399         Q         Q           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         3           Primary or secondary school         4,616         522         615         830         580         430         863         591           College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         1,932         382         257         298         248         241         Q         262           Health care complex         1,932         382         257         298	11 to 20	3,704	Q	Q	355	439	1,022	710	724	Q
Currently unoccupied         2,393         499         268         269         394         399         Q         Q           Campus or complex activity           Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         3           Primary or secondary school         4,616         522         615         830         580         430         863         591           College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         1,932         382         257         298         248         241         Q         262           Health care complex         1,932         382         257         298         248         241         Q         262           Health care complex         1,295         Q         Q         Q	More than 20		410	Q	359	704	1,363	545	Q	Q
Not part of a campus or complex         52,275         6,133         4,429         6,273         6,164         9,696         7,956         8,163         3           Primary or secondary school         4,616         522         615         830         580         430         863         591           College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         3,212         Q         Q         Q         538         820         675           Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q         Q         Q         Q         Q         Q         Q         <	Currently unoccupied	2,393	499	268	269	394		Q	Q	Q
Primary or secondary school         4,616         522         615         830         580         430         863         591           College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         3,212         Q         Q         Q         538         820         675           Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q </td <td>Campus or complex activity</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Campus or complex activity									
College or university         4,068         357         494         981         623         229         380         760           Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         3,212         Q         Q         Q         258         820         675           Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q	Not part of a campus or complex	52,275	6,133	4,429	6,273	6,164	9,696	7,956	8,163	3,461
Office complex         3,456         371         Q         Q         324         1,224         569         513           Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         3,212         Q         Q         Q         Q         538         820         675           Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q         Q         Q         Q         322         Q         Q           Transportation complex         554         Q </td <td>Primary or secondary school</td> <td>4,616</td> <td>522</td> <td>615</td> <td>830</td> <td>580</td> <td>430</td> <td>863</td> <td>591</td> <td>Q</td>	Primary or secondary school	4,616	522	615	830	580	430	863	591	Q
Retail complex         5,159         Q         275         539         627         1,004         934         1,070           Storage complex         3,212         Q         Q         Q         Q         538         820         675           Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q	College or university	4,068	357	494	981	623	229	380	760	Q
Storage complex         3,212         Q         Q         Q         Q         538         820         675           Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q         Q         Q         Q         322         Q         Q           Transportation complex         554         Q	Office complex	3,456	371	Q	Q	324	1,224	569	513	Q
Religious campus or complex         1,932         382         257         298         248         241         Q         262           Health care complex         3,362         Q         255         310         891         368         546         405           Lodging or resort complex         1,295         Q         Q         Q         Q         322         Q         Q           Transportation complex         554         Q	Retail complex	5,159	Q	275	539	627	1,004	934	1,070	Q
Health care complex	Storage complex	3,212	Q	Q	Q	Q	538	820	675	Q
Lodging or resort complex	Religious campus or complex	1,932	382	257	298	248	241	Q	262	Q
Transportation complex         554         Q         A <td>Health care complex</td> <td>3,362</td> <td>Q</td> <td>255</td> <td>310</td> <td>891</td> <td>368</td> <td>546</td> <td>405</td> <td>378</td>	Health care complex	3,362	Q	255	310	891	368	546	405	378
Transportation complex         554         Q         A <td>Lodging or resort complex</td> <td>1,295</td> <td>Q</td> <td>Q</td> <td>Q</td> <td>Q</td> <td>322</td> <td>Q</td> <td>Q</td> <td>Q</td>	Lodging or resort complex	1,295	Q	Q	Q	Q	322	Q	Q	Q
Other         5,057         651         372         472         677         745         892         828           Predominant exterior wall material           Brick, stone, or stucco         40,463         6,832         4,319         5,239         4,643         5,928         5,586         5,612         2           Concrete (block or poured)         20,726         1,394         2,167         3,046         3,012         4,001         2,796         2,976         1           Concrete panels         8,693         Q         Q         551         1,203         1,987         2,011         2,026           Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         Q         Q         Q           Other         856         Q         Q         Q         Q         Q         Q         Q         Q		554	Q	Q	Q	Q	Q	Q	Q	Q
Other         5,057         651         372         472         677         745         892         828           Predominant exterior wall material           Brick, stone, or stucco         40,463         6,832         4,319         5,239         4,643         5,928         5,586         5,612         2           Concrete (block or poured)         20,726         1,394         2,167         3,046         3,012         4,001         2,796         2,976         1           Concrete panels         8,693         Q         Q         551         1,203         1,987         2,011         2,026           Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         Q         Q         Q           Other         856         Q         Q         Q         Q         Q         Q         Q         Q	Government complex	2,107	578	Q	Q	236	292	Q	Q	Q
Brick, stone, or stucco         40,463         6,832         4,319         5,239         4,643         5,928         5,586         5,612         2           Concrete (block or poured)         20,726         1,394         2,167         3,046         3,012         4,001         2,796         2,976         1           Concrete panels         8,693         Q         Q         551         1,203         1,987         2,011         2,026           Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         Q         Q         Q         Q           Other         856         Q         Q         Q         Q         Q         Q         Q         Q         Q         Q	Other		651	372	472			892	828	419
Concrete (block or poured)         20,726         1,394         2,167         3,046         3,012         4,001         2,796         2,976         1           Concrete panels         8,693         Q         Q         551         1,203         1,987         2,011         2,026           Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         Q         Q         Q         Q           Other         856         Q         Q         Q         Q         Q         Q         Q         Q	Predominant exterior wall material									
Concrete (block or poured)         20,726         1,394         2,167         3,046         3,012         4,001         2,796         2,976         1           Concrete panels         8,693         Q         Q         551         1,203         1,987         2,011         2,026           Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         Q         Q         Q         Q           Other         856         Q         Q         Q         Q         Q         Q         Q         Q	Brick, stone, or stucco	40,463	6,832	4,319	5,239	4,643	5,928	5,586	5,612	2,304
Concrete panels         8,693         Q         Q         551         1,203         1,987         2,011         2,026           Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         333         Q         241           Other         856         Q         Q         Q         Q         Q         Q         Q	Concrete (block or poured)	20,726	1,394	2,167	3,046	3,012	4,001	2,796	2,976	1,334
Siding or shingles         5,750         1,203         341         465         631         955         826         841           Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         333         Q         241           Other         856         Q         Q         Q         Q         Q         Q         Q	Concrete panels	8,693	Q	Q	551	1,203	1,987	2,011		593
Metal panels         8,673         Q         294         750         1,126         1,793         2,028         1,680           Window glass         1,340         N         Q         Q         Q         333         Q         241           Other         856         Q         Q         Q         Q         Q         Q         Q	Siding or shingles		1,203	341	465	631	955	826	841	487
Other 856 Q Q Q Q Q Q		8,673		294	750		1,793	2,028	1,680	839
Other 856 Q Q Q Q Q Q	Window glass	1,340	N	Q	Q	Q	333	Q	241	Q
						Q				Q
	No one major type	592	Q	Q	Q	Q	Q	Q	Q	Q

Table B9. Year constructed, floorspace, 2012

	Y	ear constru	cted						
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Predominant roof material									
Metal surfacing	15,916	1,280	710	982	1,720	2,523	3,593	3,447	1,662
Synthetic or rubber	25,817	2,963	2,362	3,522	2,976	4,113	3,641	4,013	2,226
Built-up	21,835	2,221	1,819	3,170	3,491	4,374	3,018	2,812	930
Slate or tile shingles	4,306	981	664	557	335	535	257	828	150
Wooden materials (including									
shingles)	1,139	163	Q	197	150	Q	Q	Q	Q
Asphalt, fiberglass, or									
other shingles	15,104	2,013	1,486	1,634	1,699	2,875	2,621	2,152	624
Concrete	1,642	Q	Q	Q	Q	298	321	Q	Q
Other	678	Q	Q	Q	Q	Q	Q	Q	Q
No one major type	657	Q	Q	Q	Q	Q	Q	Q	N
Roof characteristics									
Roof tilt									
Flat	49,623	4,904	4,782	7,365	7,317	9,035	6,768	6,561	2,891
Shallow pitch	23,853	2,596	1,304	1,965	2,490	4,284	4,223	5,130	1,861
Steeper pitch	13,617	2,508	1,295	1,033	1,039	1,911	2,813	2,047	971
Cool roof	19,630	1,450	1,418	2,248	2,307	3,492	3,218	3,313	2,185
Renovations in buildings									
constructed before 2008									
(more than one may apply)									
Any type of renovation	42,216	6,715	4,677	6,844	6,207	8,595	5,588	3,589	N
Addition or annex	13,022	1,268	1,728	2,291	1,949	2,128	2,314	1,343	N
Reduction in floorspace	1,753	Q	Q	255	505	362	Q	Q	N
Roof replacement	20,917	3,384	2,493	3,908	3,826	4,188	2,167	950	N
Exterior wall replacement	4,230	773	674	741	634	517	397	494	N
Interior wall reconfiguration	21,340	3,454	2,204	3,254	3,361	4,456	2,420	2,192	N
Window replacement	12,265	3,221	1,794	2,336	1,728	1,736	656	793	N
HVAC equipment upgrade	26,779	4,317	3,192	4,504	4,421	5,620	2,769	1,956	N
Lighting upgrade	25,503	4,142	3,116	4,448	3,744	5,299	2,814	1,940	N
Electrical upgrade	16,160	3,372	2,347	2,940	2,265	2,516	1,382	1,339	N
Plumbing system upgrade	13,828	2,903	1,662	2,473	1,881	2,259	1,262	1,387	N
Insulation upgrade	7,607	1,458	869	1,243	1,187	1,133	749	969	N
Fire, safety, or security upgrade	17,196	3,034	2,004	3,035	2,876	3,288	1,620	1,339	N
Structural upgrade	3,913	756	307	645	530	562	495	618	N
Other	848	Q	Q	Q	Q	Q	Q	Q	N
No renovations	39,154	3,293	2,705	3,518	4,638	6,636	8,215	10,149	N
Buildings constructed 2008 or later	5,723	N	N	N	N	N	N	N	5,723

Table B9. Year constructed, floorspace, 2012

	<u>Y</u>	ear constru	cted						
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Energy sources (more than one may apply)									
Electricity	84,869	9,667	7,208	10,198	10,556	14,791	13,118	13,678	5,653
Natural gas	58,725	6,112	5,393	7,553	7,979	9,887	9,162	8,819	3,821
Fuel oil	20,200	2,546	1,530	2,407	2,614	3,806	3,201	2,964	1,133
District heat	5,964	1,428	446	1,002	930	449	642	866	Q
District chilled water	4,608	601	203	923	811	310	664	915	Q
Propane	7,706	585	525	921	880	1,214	1,339	1,682	559
Other	3,826	455	415	490	499	591	572	598	Q
Space-heating energy sources									
(more than one may apply)									
Electricity	49,030	4,611	3,836	5,387	5,931	9,378	7,947	8,258	3,683
Natural gas	49,511	5,172	4,908	6,574	6,549	7,995	7,613	7,212	3,488
Fuel oil	4,351	1,173	616	695	590	421	370	393	Q
District heat	5,925	1,411	446	1,002	930	446	642	856	Q
Propane	3,067	319	203	388	425	330	539	653	Q
Other	1,010	211	Q	Q	Q	Q	Q	Q	Q
Primary space-heating									
energy source									
Electricity	26,205	1,786	1,414	2,394	2,988	5,760	4,634	5,086	2,142
Natural gas	42,988	4,756	4,453	5,802	5,484	6,868	6,478	6,240	2,908
Fuel oil	2,542	870	378	292	Q	Q	258	Q	Q
District heat	5,797	1,411	439	995	930	441	534	856	Q
Propane	1,948	199	Q	Q	293	208	425	309	Q
Other	598	Q	Q	Q	Q	Q	Q	Q	Q
Cooling energy sources (more than one may apply)									
Electricity	76,034	7,989	6,569	8,962	9,440	13,830	11,924	12,185	5,135
Natural gas	70,034	7,585 Q	0,303 Q	0,50 <u>2</u>	2,440 Q	13,830 Q	11,324 Q	12,103 Q	3,133 Q
District chilled water	4,608	601	203	923	811	310	664	915	Q
Water-heating energy sources									
(more than one may apply)									
Electricity	42,755	4,215	2,829	4,423	4,854	8,845	6,946	7,791	2,852
Natural gas	39,523	3,635	3,659	5,654	5,625	6,263	6,084	5,968	2,635
Fuel oil	1,911	471	299	366	Q	Q	Q	Q	Q
District heat	4,551	1,215	287	828	718	200	442	Q	Q
Propane	1,575	Q	Q	Q	Q	312	334	260	Q
Cooking energy sources									
(more than one may apply)	25.454	2.04.0	4 0 4 0	2.002	2.000	4 2 42	4 202	4.000	4.001
Electricity	25,151	2,816	1,948	2,862	2,990	4,342	4,293	4,068	1,831
Natural gas	24,770	2,168	2,274	3,360	3,265	4,168	4,387	3,736	1,410
Propane	2,001	Q	196	Q	262	360	452	266	Q

Table B9. Year constructed, floorspace, 2012

	<u>Y</u>	ear constru	cted						
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Energy end uses (more than one may apply)									
Buildings with space heating	80,078	9,110	6,895	9,730	10,045	13,723	12,389	12,679	5,505
Buildings with cooling	79,294	8,302	6,679	9,634	10,031	14,011	12,402	13,010	5,225
Buildings with water heating	79,015	8,702	6,410	9,699	10,158	13,831	12,209	12,844	5,162
Buildings with cooking	38,546	4,205	3,409	4,644	4,837	6,545	6,517	6,015	2,375
Buildings with manufacturing	5,078	670	575	497	828	969	396	856	_,,,,,
Buildings with electricity									
generation	25,642	1,806	1,523	3,083	3,145	4,690	4,184	4,941	2,269
Percent of floorspace heated									
Not heated	7,015	898	486	633	800	1,507	1,414	1,060	218
1 to 50	10,130	1,212	927	1,094	1,378	2,091	1,417	1,463	547
51 to 99	14,650	2,091	1,358	1,407	1,474	2,991	2,487	2,177	664
100	55,298	5,807	4,610	7,228	7,193	8,641	8,485	9,040	4,294
Percent of floorspace cooled									
Not cooled	7,799	1,707	702	728	815	1,220	1,401	729	498
1 to 50	18,891	2,563	1,748	2,711	2,400	3,285	2,445	2,714	1,026
51 to 99	22,728	2,862	2,287	2,731	2,665	3,805	4,184	3,145	1,050
100	37,676	2,877	2,644	4,193	4,966	6,921	5,774	7,151	3,150
Percent lit when open									
Zero	322	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	12,628	2,162	1,351	1,266	1,313	2,222	1,395	2,065	854
51 to 99	34,814	3,722	3,215	4,594	4,445	6,151	4,726	5,918	2,043
100	35,726	3,414	2,494	4,174	4,549	6,294	6,680	5,485	2,637
Building never open/electricity									
not used	3,603	698	312	312	536	533	954	Q	Q
Percent lit during off hours									
Zero	24,746	3,449	2,135	2,730	2,710	4,244	3,590	3,943	1,946
1 to 50	50,753	5,454	4,510	6,228	6,516	9,083	7,752	8,076	3,134
51 to 100	6,926	675	479	1,111	963	972	1,194	1,222	310
Building always open with									
no "off hours"	2,443	Q	Q	Q	367	492	583	438	Q
Electricity not used	2,225	342	174	Q	290	440	685	Q	Q
Heating equipment (more than one may apply)									
	11,846	1 115	907	1 205	1 100	2 206	2 126	1,982	826
Heat pumps	8,654	1,115 917	685	1,295	1,198	2,386	2,136	<u>-</u>	442
Furnaces				1,168	1,345	1,763	1,266	1,066	
Individual space heaters	20,766	3,159	2,277	2,586	2,923	3,424	2,996	2,453	948
District heat	5,925	1,411	446	1,002	930	446	642	856	Q
Boilers	22,443	3,237	2,659	3,506	2,763	2,973	2,970	3,031	1,303
Packaged heating units	49,188	3,968	3,715	5,670	6,156	9,037	8,544	8,356	3,741
Other	1,574	Q	Q	Q	Q	Q	397	Q	Q

Table B9. Year constructed, floorspace, 2012

	<u>Y</u>	ear constru	cted						
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Cooling equipment (more than one may apply)									
Residential-type central air conditioners	14,765	2,066	996	2,075	2,044	2,503	2,386	1,907	786
Heat pumps	12,538	1,108	1,097	1,300	1,330	2,556	2,214	1,995	939
Individual air conditioners	12,420	2,493	1,485	1,740	1,649	1,768	1,425	1,358	503
District chilled water	4,608	601	203	923	811	310	664	915	Q
Central chillers	17,041	1,774	1,755	2,052	2,371	3,210	2,276	2,433	1,169
Packaged air conditioning units	45,153	4,141	3,674	5,552	5,445	8,585	7,222	7,644	2,890
Swamp coolers	1,918	181	Q	299	207	267	344	349	Q
Other	328	Q	Q	Q	Q	Q	Q	Q	N
Main equipment replaced since 1990 (more than one may apply)	1								
Heating	27,558	4,694	4,000	5,192	5,885	7,786	N	N	N
Cooling	30,702	5,173	4,559	5,850	6,274	8,846	N	N	N
Water-heating equipment									
Centralized system	47,534	5,205	4,305	6,252	6,298	7,338	7,417	7,543	3,176
Distributed system	12,688	1,269	943	1,005	1,773	2,888	1,724	2,152	933
Combination of centralized and									
distributed system	18,793	2,228	1,162	2,442	2,087	3,605	3,069	3,148	1,053
Lighting equipment types									
(more than one may apply)	20.400	F 043	2.404	4.020	F FC0	C 072	F 404	F C10	1 505
Incandescent	38,406	5,042	3,494	4,629	5,560	6,972	5,494	5,619	1,595
Standard fluorescent	80,081	8,752	6,860	9,857	9,992	14,263	12,267	13,019	5,070
Compact fluorescent	53,816	6,060	4,340	6,463	6,913	9,199	8,327	8,941	3,574
High-intensity discharge	23,396	2,099	1,785	2,525	3,311	4,591	4,127	3,843	1,116
Halogen	28,059	3,156	2,028	2,948	3,418	5,124	4,364	5,093	1,929
LED Other	22,071 446	2,272 Q	1,306 N	2,224 Q	2,632 Q	4,374 Q	3,489 Q	4,028 Q	1,747 Q
Refrigeration equipment									
(more than one may apply)									
Any refrigeration	73,645	7,854	6,269	8,963	9,062	12,812	11,609	12,081	4,995
Walk-in units	28,361	2,258	2,104	3,574	4,015	5,184	4,937	4,575	1,715
Cases or cabinets	28,719	2,759	1,869	3,183	4,079	4,816	4,817	4,856	2,340
Large cold storage areas	4,171	Q	Q	387	497	829	688	937	Q
Commercial ice makers	32,734	2,336	2,350	3,650	4,044	6,287	5,983	5,644	2,441
Residential-type or compact units	62,381	6,572	5,336	7,745	7,772	10,950	9,498	10,132	4,376
Vending machines	0=,00=								
vending machines	43,936	3,283	3,648	5,235	5,659	8,021	7,222	7,758	3,109

Table B9. Year constructed, floorspace, 2012

	<u> Y</u>	ear constru	cted						
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Office equipment (more than one may apply)									
Desktop computers	77,063	8,086	6,423	9,461	9,538	13,653	12,031	12,695	5,176
With flat screen monitors	76,160	7,893	6,329	9,299	9,404	13,558	11,934	12,584	5,159
With multiple monitors	30,946	2,607	2,218	3,169	3,901	6,209	5,188	5,238	2,417
Laptop computers	63,486	6,439	5,438	8,082	7,976	11,484	9,420	10,524	4,122
Dedicated servers	53,369	4,993	4,087	6,039	6,818	10,182	8,504	9,229	3,518
Laser printers	54,256	5,759	4,149	6,535	6,427	9,739	8,440	9,494	3,712
Inkjet printers	36,235	3,794	3,421	4,690	4,710	6,107	5,686	5,401	2,426
FAX machines	66,682	6,756	5,372	7,833	8,319	12,226	10,576	11,289	4,310
Photocopiers	59,277	6,058	4,801	7,324	7,421	10,637	9,117	10,088	3,830
Number of desktop computers									
None	10,030	1,922	958	901	1,308	1,578	1,772	1,044	547
1 to 4	15,669	2,489	1,752	1,977	1,854	2,329	1,940	2,241	1,087
5 to 9	9,422	792	569	1,261	1,299	1,675	1,659	1,388	778
10 to 19	9,388	526	704	1,163	1,023	1,542	1,870	2,005	556
20 to 49	13,094	971	882	1,362	1,428	2,839	2,253	2,122	1,237
50 to 99	8,284	954	844	1,000	969	1,427	1,294	1,410	Q
100 to 249	9,728	1,001	826	1,260	1,197	1,491	1,161	2,207	585
250 or more	11,478	1,354	847	1,438	1,768	2,348	1,854	1,322	547
Number of laptop computers									
None	23,607	3,570	1,943	2,280	2,870	3,746	4,383	3,215	1,600
1 to 4	21,161	2,545	1,772	2,846	2,686	3,394	2,922	3,293	1,702
5 to 9	8,345	540	670	1,130	1,227	1,587	1,519	1,323	Q
10 to 19	8,343	480	835	687	902	1,835	1,182	1,714	708
20 to 49	9,643	922	914	1,346	1,078	1,697	1,345	1,900	Q
50 to 99	5,234	760	413	591	600	919	702	787	462
100 to 249	5,217	652	206	1,006	646	905	839	819	Q
250 or more	5,542	539	628	476	837	1,146	911	688	317
Number of dedicated servers									
None	33,724	5,015	3,295	4,324	4,028	5,049	5,299	4,510	2,205
1 to 4	34,097	3,288	2,749	4,151	4,286	5,663	5,477	5,855	2,628
5 to 9	6,241	401	471	627	920	1,346	1,025	1,149	Q
10 to 19	5,711	517	455	421	470	1,585	1,000	1,088	Q
20 to 49	3,758	Q	Q	254	583	1,061	600	607	Q
50 or more	3,562	478	265	586	559	526	403	530	Q
Number of photocopiers									
None	27,816	3,951	2,580	3,038	3,425	4,593	4,686	3,651	1,892
One	17,080	1,658	1,626	2,296	2,253	2,728	2,514	2,974	1,030
2 to 4	20,312	1,843	1,540	2,619	2,132	3,624	3,252	3,736	1,567
5 to 9	8,863	706	861	936	1,033	1,771	1,385	1,611	Q
10 or more	13,022	1,851	774	1,473	2,003	2,514	1,966	1,767	674

Table B9. Year constructed, floorspace, 2012

All buildings	All buildings	Before 1946	1946 to	1960 to	1970 to	1980 to	1990 to	2000 to	2008 to
All buildings			1959	1969	1979	1989	1999	2007	2012
		10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723
Number of TVs or video displays		10,000	,,301	10,502	10,010	13,230	13,003	13,733	3,723
None	24,339	3,652	2,294	2,825	2,798	4,300	3,699	3,122	1,648
One	9,990	1,256	1,018	1,070	1,220	1,675	1,729	1,623	399
2 to 4	16,465	2,034	1,269	2,089	2,087	2,475	2,073	3,147	1,291
5 to 9	8,148	854	798	776	806	1,313	1,419	1,570	613
10 to 19	8,168	931	582	1,010	1,257	1,665	1,340	958	426
20 to 49	8,058	528	549	983	1,044	1,592	1,441	1,306	616
50 to 99	4,378	Q	492	582	438	613	848	874	
									42C
100 or more	7,547	521	379	1,029	1,197	1,597	1,255	1,139	430
Food preparation or serving areas in non-food service buildings									
(more than one may apply)									
Snack bar or concession stand	9,884	978	592	1,291	1,305	1,775	1,547	1,738	658
Fast food or small restaurant	9,787	672	301	1,040	1,280	2,202	1,837	1,729	727
Cafeteria or large restaurant	15,222	1,297	1,467	1,961	2,162	2,742	2,478	2,287	828
Commercial kitchen/	13,222	1,237	1,407	1,901	2,102	2,742	2,470	2,207	020
food preparation area	16,150	1,525	1,356	2,113	2,198	2,621	2,426	2,861	1,049
Small kitchen area	14,054	2,018	1,413	1,520	1,733	2,374	2,030	2,190	776
					1,733		2,030		
Separate computer areas									
(more than one may apply)	44.405	011	670	4 204	1.012	2 400	4.622	4.022	62-
Data center or server farm	11,105	911	670	1,281	1,643	2,408	1,632	1,922	637
Computer-based training room	17,723	1,762	1,429	2,025	2,254	2,465	3,228	3,354	1,208
Student or public computer center	14,341	1,086	1,633	2,365	1,750	2,085	1,830	2,682	910
<b>HVAC</b> conservation features									
(more than one may apply)									
Economizer cycle	30,749	2,661	2,446	3,845	3,834	5,081	5,067	5,075	2,739
Regular HVAC maintenance	69,244	6,583	5,533	8,425	8,633	12,410	10,844	11,929	4,887
Building automation system (BAS) <sup>2</sup>	37,051	2,904	2,585	4,306	4,153	6,279	6,312	7,226	3,285
Window and interior lighting									
features (more than one may									
apply)									
Multipaned windows	60,362	5,727	4,717	6,562	6,572	10,740	10,190	11,041	4,813
Tinted window glass	45,025	2,966	3,151	5,045	5,890	9,467	7,535	7,954	3,016
Reflective window glass	15,908	948	1,125	1,460	1,767	3,421	2,670	3,037	1,480
External overhangs or awnings	32,188	2,265	2,664	4,153	4,657	5,542	5,329	5,478	2,100
Skylights or atriums	22,261	1,539	1,489	2,535	2,986	5,042	3,672	3,747	1,249
Light scheduling	30,263	2,353	1,849	3,008	3,772	5,631	5,958	5,238	2,453
Occupancy sensors	35,871	3,288	2,629	3,827	4,170	6,317	5,716	6,825	3,098
Multi-level lighting or dimming	14,534	1,077	980	1,420	1,590	2,850	2,517	2,905	1,195
Daylight harvesting	6,114	460	342	629	674	1,089	974	1,235	710
Demand responsive lighting	4,738	330	206	464	688	1,084	710	901	C
Building automation system (BAS) fo									
lighting <sup>2</sup>	12,068	531	609	829	1,323	2,360	2,376	2,800	1,241

Table B9. Year constructed, floorspace, 2012

	Y	ear constru	cted								
	All buildings	Before 1946	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2007	2008 to 2012		
All buildings	87,093	10,008	7,381	10,362	10,846	15,230	13,803	13,739	5,723		
Equipment usage reduced when building not in full use (more than one may apply)											
Heating	63,167	7,244	5,367	7,444	7,816	11,087	9,726	10,051	4,431		
Cooling	62,516	6,737	5,120	7,164	8,045	11,139	9,711	10,399	4,203		
Lighting	78,594	9,077	6,818	9,668	9,771	13,863	11,767	12,403	5,229		

<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).

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.

 $<sup>^2</sup>$ In earlier CBECS publications, BAS was referred to as <code>Energy Management</code> and <code>Control System (EMCS)</code> .

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.