Release date: February 2015 Revised date: May 2016

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

		Nongovernment-owned buildings					Government-owned buildings				
	All buildings	All buildings		Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local	
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558	
Building floorspace (square feet)											
1,001 to 5,000	2,777	2,435	1,311	881	108	135	342	Q	81	252	
5,001 to 10,000	1,229	1,101	570	402	88	41	129	Q	Q	104	
10,001 to 25,000	884	753	377	260	85	30	131	Q	37	88	
25,001 to 50,000	332	265	114	103	38	Q	67	Q	17	45	
50,001 to 100,000	199	130	52	59	16	Q	69	Q	20	47	
100,001 to 200,000	90	65	31	26	7	Q	25	Q	10	15	
200,001 to 500,000	38	27	11	11	5	Q	11	Q	4	<u></u> 7	
Over 500,000	8	6	2	3	2	Q	2	1			
			_		_						
Principal building activity											
Education	389	162	124	33	Q	N	227	Q	60	162	
Food sales	177	177	93	69	Q	N	N	N	N	N	
Food service	380	364	202	157	Q	N	Q	N	Q	Q	
Health care	157	145	79	44	22	N	12	Q	3	8	
Inpatient	10	7	5	Q	1	N	2	(*)	Q	2	
Outpatient	147	138	74	43	21	N	9	Q	Q	Q	
Lodging	158	151	119	29	3	N	7	N	Q	Q	
Mercantile	602	598	233	314	51	N	Q	Q	Q	Q	
Retail (other than mall)	438	434	233	179	23	N	Q	N	Q	Q	
Enclosed and strip malls	164	164	N	135	29	N	Q	Q	N	N	
Office	1,012	862	370	357	135	N	150	9	43	98	
Public assembly	352	234	163	53	18	N	118	Q	21	97	
Public order and safety	84	Q	Q	Q	Q	N	70	Q	Q	64	
Religious worship	412	411	368	32	Q	N	Q	N	N	Q	
Service	619	544	282	237	25	N	74	Q	Q	49	
Warehouse and storage	796	743	334	364	44	N	53	Q	Q	Q	
Other	125	109	65	36	Q	N	Q	Q	Q	Q	
Vacant	296	267	Q		Q	221	29	Q	Q	24	
Year constructed											
Before 1920	362	320	184	87	26	Q	42	Q	Q	34	
1920 to 1945	488	415	250	122	17	Q	73	Q	18	52	
1946 to 1959	599	514	258	164	38	54	85	Q	25	60	
1960 to 1969	639	528	264	199	36	29	111	Q	36	68	
1970 to 1979	684	596	311	219	39	27	88	Q	24	59	
1980 to 1989	915	805	344	350	80	Q	110	Q	24	78	
1990 to 1999	845	731	386	283	51	Q		3	18	93	
2000 to 2003	375	310		104			114			47	
			183		16	Q	65	Q	14		
2004 to 2007	347	302	144	127	24	Q	45	Q	Q	33	
2008 to 2012	303	260	143	90	21	Q	42	N	Q	33	
Census region											
Northeast	805	723	400	239	62	Q	83	Q	15	67	
Midwest	1,237	1,066	629	329	69	40	171	9	31	131	
South	2,247	1,958	983	721	140	115	289	14	77	198	
West	1,267	1,034	455	457	78	43	233	Q	62	162	

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

		Nongovern	ment-own	ed buildings	Government-owned buildings						
	All buildings	All buildings		Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local	
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558	
Climate region ¹											
Very cold/Cold	2,031	1,752	998	560	130	65	278	16	55	207	
Mixed-humid	1,743	1,551	764	607	103	76	193	13	50	129	
Mixed-dry/Hot-dry	837	679	305	286	53	35	158	Q	33	124	
Hot-humid	799	674	351	228	53	43	125	Q	39	84	
Marine	147	125	49	64	Q	Q	22	Q	Q	15	
Number of floors											
One	3,836	3,290	1,651	1,288	183	169	546	21	112	413	
Two	1,158	1,010	552	321	98	38	148	Q	48	90	
Three	374	328	191		42	Q	46	Q	10	35	
Four to nine	177	142	70	46	23	Q	35	1	14	20	
Ten or more	13	11	2	5	3	Q	2	1	1	Q	
Elevators and escalators											
(more than one may apply)											
Any elevators	405	305	147	94	58	5	100	7	34	60	
Number of elevators											
One	272	204	105	57	38	Q	67	Q	23	41	
Two to five	118	88	38	32	17	Q	30	Q	10	16	
Six or more	16	13	4	5	4	Q	3	1	1	2	
Any escalators	10	8	2	5	1	Q	2	Q	Q	1	
Number of workers (main shift)											
Fewer than 5	2,892	2,586	1,418	838	108	221	306	Q	77	218	
5 to 9	1,085	941	506	345	90	N	144	Q	28	111	
10 to 19	731	613	294	263	56	N	118	Q	24	90	
20 to 49	513	411	165	185	60	N	102	Q	23	74	
50 to 99	206	133	49	69	15	N	72	Q	24	44	
100 to 249	93	68	27	29	13	N	25	Q	5	17	
250 or more	37	29	8	15	6	N	8	1	3		
Weekly operating hours											
Fewer than 40	1,149	998	582	173	Q	221	151	Q	28	119	
40 to 48	1,346	1,098	556	423	119	N	248	Q	69	171	
49 to 60	1,244	1,080	542	434	104	N	164	7	40	117	
61 to 84	764	676	300	328	47	N	88	Q	21	59	
85 to 167	479	443	212	201	30	N	36	Q	14	20	
Open continuously	575	487	274	186	27	N	88	Q	13	73	
Party responsible for operation and maintenance of energy											
systems		2 2 2 2		4 5 5 5					4		
Building owner	4,715	3,984	2,416		304	202	731	31	173	527	
Business owner or tenant	724	698	Q		39	Q	26	Q	Q	19	
Property management	54	53	Q		Q	Q	Q	Q	N	Q	
Other	64	47	Q	24	Q	Q	Q	Q	Q	Q	

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

		Nongovern	ment-own	ed buildings	1		Governmen	t-owned bui	ldings	
	All buildings	All buildings		Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Provider of direct input on energy- related equipment purchases										
Building owner	4,876	4,144	2,432	1,186	318	208	733	31	176	525
Business owner or tenant	540	520	Q	471	24	Q	20	Q	Q	Q
Property management	35	34	Q	30	Q	N	Q	Q	N	Q
Other	106	83	17	58	Q	Q	23	Q	Q	19
Number of establishments										
One	4,205	3,537	2,318	1,220	N	N	668	27	164	477
2 to 5	862	782	142	351	289	N	80	6	17	58
6 to 10	147	147	Q	103	40	N	Q	Q	Q	Q
11 to 20	68	67	Q	52	12	N	Q	Q	Q	Q
More than 20	27	27	N	20	7	N	Q	Q	N	Q
Currently unoccupied	248	221	N	N	N	221	27	N	Q	22
Campus or complex activity										
Not part of a campus or complex	3,683	3,355	1,729	1,177	273	176	328	20	44	264
Primary or secondary school	237	50	42		Q	N	187	Q	56	128
College or university	84	47	44	Q	Q	N	37	Q	33	Q
Office complex	154	142	34	79	25	Q	12	Q	Q	Q
Retail complex	258	250	79	156	10	Q	Q	N	Q	Q
Storage complex	314	308	98	187	Q	Q	Q	N	Q	Q
Religious campus or complex	197	197	182	Q	Q	Q	N	N	N	N
Health care complex	52	43	27	10	Q	Q	9	(*)	Q	Q
Lodging or resort complex	65	64	51	Q	Q	Q	Q	N	Q	N
Transportation complex	35	19	Q	Q	Q	N	Q	N	Q	Q
Government complex	104	Q	Q	Q	Q	N	101	7	25	69
Other	371	302	173	100	15	Q	69	Q	15	52
Predominant exterior wall material										
Brick, stone, or stucco	2,312	1,947	971	713	164	99	365	16	85	264
Concrete (block or poured)	1,121	973	479	377	68	48	148	Q	36	105
Concrete panels	210	196	67	95	24	Q	14	Q	4	10
Siding or shingles	905	768	441	254	41	Q	137	Q	30	102
Metal panels	933	827	472	280	44	Q	106	Q	25	76
Window glass	17	15	Q	6	2	Q	Q	Q	Q	Q
Other	37	34	18	13	Q	N	Q	Q	Q	Q
No one major type	21	20	Q	Q	Q	N	Q	Q	Q	Q

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

	Nongovernment-owned buildings						Governmen	t-owned bui	ldings	
	All	All	Owner	Leased to	Owner occupied and	Unocc-	All			
	buildings	buildings	occupied	tenant(s)	leased	upied	buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Predominant roof material										
Metal surfacing	1,672	1,448	827	488	80	53	224	Q	58	157
Synthetic or rubber	911	772	351	300	88	32	139	11	35	93
Built-up	836	663	258	298	62	44	173	6	39	129
Slate or tile shingles	406	365	186	145	19	Q	41	Q	Q	34
Wooden materials (including										
shingles)	157	146	63	76	Q	Q	Q	N	Q	Q
Asphalt, fiberglass, or										
other shingles	1,483	1,308	755	392	88	73	175	Q	38	132
Concrete	51	47	11	31	Q	Q	4	Q	Q	Q
Other	24	16	Q	Q	Q	N	Q	N	Q	Q
No one major type	18	16	Q	Q	Q	N	Q	Q	Q	Q
Roof characteristics Roof tilt										
Flat	1,960	1,680	656	800	141	83	280	22	77	181
Shallow pitch	2,148	1,871	1,012	633	136	90	277	Q	67	201
Steeper pitch	1,449	1,230	799	311	72	48	219	Q	41	176
Cool roof	740	601	339	198	52	Q	139	7	34	98
					JZ	<u>Q</u>				
Renovations in buildings										
constructed before 2008										
(more than one may apply)	2.004	4 705	044	627	4.62		240		72	227
Any type of renovation	2,094	1,785	941	627	163	54	310	9	73	227
Addition or annex	444	363	234	88	35	Q	81	Q	20	57
Reduction in floorspace	71	64	26	21	10	Q	Q	Q	Q	Q
Roof replacement	987	817	466	256	67	Q	170	5	39	125
Exterior wall replacement	194	169	90	59	13	Q	26	Q	5	18
Interior wall reconfiguration	889	777	346	316	89	25	113	5	26	81
Window replacement	560	471	262	155	46	Q	89	Q	19	69
HVAC equipment upgrade	1,101	919	499	286	107	28	181	5	40	136
Lighting upgrade	982	805	419	283	84	Q	177	5	43	129
Electrical upgrade	747	653	345	221	65	Q	94	2	25	67
Plumbing system upgrade	644	557	290	199	51	Q	87	2	18	67
Insulation upgrade	382	320	175	104	35	Q	62	Q	11	49
Fire, safety, or security upgrade	616	522	291	167	56	Q	93	3	24	66
Structural upgrade	152	131	74	36	16	Q	21	Q	Q	16
Other	39	29	Q	Q	Q	N	Q	Q	Q	Q
No renovations	3,160	2,736	1,382	1,028	165	161	424	24	103	298
Buildings constructed 2008 or later	303	260	143	90	21	Q	42	N	Q	33
Energy sources (more than one may apply)										
Electricity	5,234	4,480	2,395	1,675	344	66	755	33	183	538
Natural gas	2,933	2,489	1,317	951	198	23	444	21	100	322
Fuel oil	2,933 467				198				15	
		365	223	108		Q	101	Q 1		83
District heat	48	22	13	Q	2	Q	26	1	18	7
District chilled water	54	17	14	2	1	N	37	Q	20	16
Propane	510	435	297	107	29	Q	75	Q	13	57
Other	172	145	100	31	13	Q	27	Q	Q	16

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	All buildings	All buildings		Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Space-heating energy sources										
(more than one may apply)										
Electricity	2,858	2,464	1,264	958	221	22	394	19	100	275
Natural gas	2,612	2,203	1,162	838	181	22	409	18	91	300
Fuel oil	270	234	145	69	15	Q	36	Q	Q	32
District heat	48	22	13	Q	2	Q	26	1	18	7
Propane	342	290	202	67	19	Q	52	Q	Q	38
Other	101	96	72	Q	Q	N	Q	Q	Q	Q
Primary space-heating energy source										
Electricity	1,819	1,600	834	611	136	Q	219	Q	58	149
Natural gas	2,322	1,944	1,025	735	163	21	378		81	281
Fuel oil	205	176	1,023	52	Q	Q	29	Q	Q	261
District heat	47	21	13	Q	2	Q	26	1	18	<u>-</u>
Propane	261	223	171	43	Q	Q	38	Q	Q	, 26
Other	67	63	47	Q	Q	Q N	Q	Q N	Q	Q
Cooling energy sources (more than one may apply)										
Electricity	4,413	3,802	2,038	1,415	322	26	611	32	142	437
Natural gas	12	11	Q		Q	N	Q	Q	Q	Q
District chilled water	54	17	14	2	1	N	37	Q	20	16
Water-heating energy sources (more than one may apply)										
Electricity	2,658	2,323	1,195	904	213	Q	335	18	75	242
Natural gas	1,758	1,482	806	541	121	Q	275	14	66	195
Fuel oil	77	63	45	Q	Q	N	14	Q	Q	12
District heat	25	13	10	1	2	N	12	1	10	2
Propane	142	120	86	27	Q	Q	22	Q	Q	Q
Cooking energy sources (more than one may apply)										
Electricity	1,010	846	544	253	46	Q	165	7	27	131
Natural gas	740	646	352	247	44	Q	94	1	19	73
Propane	144	125	87		Q	Q N	19	Q	Q	17
·										
Energy end uses (more than one may apply)										
Buildings with space heating	4,722	4,028	2,198	1,458	325	47	694	33	168	493
Buildings with cooling	4,461	3,817	2,198	1,421	324	26	644	33	159	453
Buildings with water heating	4,401		2,048	1,421		26	632	33	146	452
Buildings with cooking	1,589	3,791	2,048 854	416	316 82		230	8	40	182
Buildings with manufacturing	259	1,359 248	130			Q N		°Q		
Buildings with electricity	259	248	130	100	18	IN	10	<u>u</u>	Q	Q
generation	410	266	160	75	30	Q	144	6	27	111

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

		Nongovern	ment-own	ed buildings			Governmen	t-owned bui	ldings	
	All buildings	All buildings		Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Percent of floorspace heated										
Not heated	835	753	268	287	24	174	82	Q	Q	65
1 to 50	697	640	323	253	56	Q	57	Q	Q	37
51 to 99	727	623	326	231	61	Q	103	4	26	73
100	3,298	2,764	1,549	974	208	34	534	24	127	383
Percent of floorspace cooled										
Not cooled	1,096	964	420	323	Q	195	132	N	26	106
1 to 50	1,173	1,033	524	411	94	Q	140	Q	29	102
51 to 99	897	755	394	289	69		143		41	97
100	2,391	2,030	1,128	722	161	Q	361	19	89	253
Percent lit when open										
Zero	70	67	Q	Q	Q	N	Q	N	Q	Q
1 to 50	1,099	977	564	333	80	N	122	Q	24	90
51 to 99	1,666	1,422	703	567	152	N	244	15	69	160
100	2,222	1,859	1,052	697	110	N	363	10	81	271
Building never open/electricity										
not used	501	456	127	102	Q	221	45	Q	Q	36
Percent lit during off hours										
Zero	2,489	2,101	1,217	711	128	45	388	Q	102	274
1 to 50	2,441	2,111	1,035	852	203	21	330	21	77	232
51 to 100	202	178	94	74	10	N	24	Q	4	19
Building always open with										
no "off hours"	102	89	48	38	Q	N	13	Q	Q	Q
Electricity not used	323	301	71	69	Q	155	Q	N	Q	Q
Heating equipment (more than one may apply)										
Heat pumps	628	507	286	164	54	Q	121	Q	28	90
Furnaces	755	681	378	236	57	Q	74	Q	19	51
Individual space heaters	1,247	1,068	585	383	91	Q	179	Q	45	126
District heat	48	22	13	Q	2	Q	26	1	18	7
Boilers	544	405	243	120	38	Q	139	7	31	102
Packaged heating units	2,802	2,443	1,249	969	201	25	359	20	84	255
Other	62	55	26	26	Q	Q	Q	Q	Q	Q
Cooling equipment (more than one may apply)										
Residential-type central air										
conditioners	1,546	1,398	767	507	115	Q	148	Q	34	102
Heat pumps	692	567	323	183	58	Q	125	Q	30	93
Individual air conditioners	709	600	342	203	50	Q	109	Q	21	82
District chilled water	54	17	14	2	1	N	37	Q	20	16
Central chillers	163	89	52	24	11	Q	74	6	21	47
Packaged air conditioning units	1,909	1,646	790	692	155	Q	263	12	62	190
Swamp coolers	109	96	58	36	Q	N	14	Q	Q	Q
Other	Q	Q	Q	Q	Q	N	Q	Q	Q	Q

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All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Main equipment replaced since 1990 (more than one may apply)										
Heating	1,874	1,624	904	569	137	Q	250	11	73	166
Cooling	1,971	1,729	945	626	146	Q	242	12	67	163
Water-heating equipment										
Centralized system	3,348	2,851	1,634	1,001	195	21	497	29	106	362
Distributed system	690	617	289	251	75	Q		Q	22	502
Combination of centralized and	030		203			<u>Q</u>	/2	Q		
distributed system	385	323	125	149	46	Q	62	3	19	40
Lighting equipment types (more than one may apply)										
Incandescent	1,826	1,637	910	575	147	Q	189	12	46	132
Standard fluorescent	4,649	3,955	2,104	1,501	329	20	695	33	166	496
Compact fluorescent	2,302	1,997	1,096	721	177	Q	305	15	82	208
High-intensity discharge (HID)	525	421	189	178	54	Q	104	6	29	69
Halogen	905	826	408	325	93	Q	79	8	25	45
LED	473	395	169	179	47	Q	78	Q	19	55
Other	10	Q	Q	Q	Q	N	Q	Q	Q	Q
Refrigeration equipment (more than one may apply)										
Any refrigeration	3,984	3,449	1,899	1,247	288	Q	535	26	124	385
Walk-in units	811	711	345	315	49	Q	100	2	24	74
Cases or cabinets	915	812	411	340	57	Q	103	Q	20	80
Large cold storage areas	78	73	32	33	7	N	6	Q	Q	3
Commercial ice makers	846	726	395	273	54	Q	120	2	40	77
Residential-type or compact units	3,388	2,924	1,625	1,030	259	Q	464	23	106	334
Vending machines	960	763	346	332	82	Q	197	11	62	124
No refrigeration	1,573	1,332	568	498	61	206	241	Q	61	174
Office equipment (more than one may apply)										
Desktop computers	3,977	3,353	1,728	1,314	308	Q	624	32	151	441
With flat screen monitors	3,847	3,236	1,652	1,276	305	Q	611	32	147	432
With multiple monitors	911	768	305	351	112	N	143	8	45	90
Laptop computers	2,730	2,293	1,103	944	244	Q	437	15	109	314
Dedicated servers	1,748	1,481	675	630	175	Q		14	66	187
Laser printers	2,339	1,938	923	810	205	Q	401	24	88	289
Inkjet printers	2,187	1,883	1,004	711	167	Q	305	10	71	224
FAX machines	3,185	2,746	1,370	1,097	275	Q	439	24	95	320
Photocopiers	2,163	1,785	935	654	193	Q	378	17	91	270

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		Nongovern	ment-own	ed buildings			Government-owned buildings					
	All buildings	All buildings		Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local		
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558		
Number of desktop computers												
None	1,581	1,429	738	430	41	219	152	Q	34	117		
1 to 4	2,039	1,816	1,051	672	91	Q	223	Q	45	163		
5 to 9	821	709	353	284	72	N	112	Q	28	74		
10 to 19	482	415	166	174	75	N	67	Q	17	48		
20 to 49	355	258	102	115	40	Q	97	Q	24	72		
50 to 99	143	84	30	39	14	N	60	Q	19	38		
100 to 249	92	47	18	19	10	N	45	Q	12	32		
250 or more	44	24	8	11	5	N	20	1	5	14		
Number of laptop computers												
None	2,827	2,488	1,363	801	105	219	339	Q	76	244		
1 to 4	1,944	1,702	883	664	152	Q	242	Q	52	182		
5 to 9	350	297	108	141	48	N	53	Q	12	38		
10 to 19	181	146	49	75	22	N	35	Q	8	25		
20 to 49	144	87	38	36	14	N	56	Q	19	36		
50 to 99	58	31	12	15	4	N	26	Q	8	18		
100 to 249	35	18	9	6	3	N	16	Q	6	10		
250 or more	20	12	5	6	2	N	8	(*)	2	5		
Number of dedicated servers												
None	3,809	3,300	1,792	1,114	173	221	509	Q	119	371		
1 to 4	1,562	1,342	629	565	147	Q	220	9	49	162		
5 to 9	97	76	19	44	13	N	21	Q	9	10		
10 to 19	50	35	16	10	9	N	15	Q	6	8		
20 to 49	25	18	6	7	4	N	8	Q	2	6		
50 or more	13	10	4	5	2	N	3	(*)	Q	Q		
Number of photocopiers												
None	3,394	2,997	1,531	1,090	156	219	398	Q	93	289		
One	1,325	1,138	671	379	85	Q	187	Q	36	141		
2 to 4	648	510	225	208	77	N	137	Q	39	94		
5 to 9	116	78	19	40	20	N	37	Q	11	23		
10 or more	75	57	20	27	11	N	17	1	5	11		
Number of TVs or video displays												
None	2,718	2,384	1,154	868	143	219	333	Q	74	244		
One	1,145	984	558	373	52	Q	160	Q	36	113		
2 to 4	1,035	883	472	311	98	Q	153	Q	36	113		
5 to 9	314	273	149	94	31	N	41	Q	12	29		
10 to 19	154	110	51	48	11	N	44	Q	12	29		
20 to 49	106	80	37	35	8	N	26	Q	5	20		
50 to 99	48	39	26	9	3	N	10	Q	3	7		
100 or more	37	28	20	6	2	N	9	(*)	6	3		

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

		Nongovern	ment-own	ed buildings	i		Governmen	t-owned bui	ldings	
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558
Food preparation or serving areas in non-food service buildings (more than one may apply)										
Snack bar or concession stand	153	123	57	47	19	N	30	1	8	21
Fast food or small restaurant	173	169	43	99	27	N	5	Q	Q	3
Cafeteria or large restaurant	130	64	29	25	10	N	66	1	13	52
Commercial kitchen/										
food preparation area	282	221	137	60	22	Q	61	(*)	13	48
Small kitchen area	736	616	459	113	39	Q	119	Q	17	96
Separate computer areas (more than one may apply)										
Data center or server farm	97	65	31	25	9	N	31	Q	9	20
Computer-based training room	244	158	69	68	20	N	86	2	28	55
Student or public computer center	238	121	69	38	15	N	117	Q	28	88
HVAC conservation features (more than one may apply)	0 000 000 000 000 000 000 000 000 000						00 000 000 000 000 000 000 000 000 000			
Economizer cycle	601	429	217	167	41	Q	172	6	45	121
Regular HVAC maintenance	3,178	2,630	1,436	935	234	26	547	28	143	376
Building automation system (BAS) ²	781	538	279	206	51	Q	243	9	61	173
Window and interior lighting features (more than one may apply)										
Multipaned windows	3,012	2,586	1,400	887	219	80	426	20	95	311
Tinted window glass	1,875	1,598	780	618	159	41	277	11	67	199
Reflective window glass	549	489	237	193	57	Q	60	5	16	39
External overhangs or awnings	1,867	1,633	777	680	140	36	234	9	68	157
Skylights or atriums	591	508	225	208	63	Q	83	6	26	50
Light scheduling	918	787	348	360	76	Q	130	11	33	86
Occupancy sensors	813	612	251	300	61	Q	201	7	53	140
Multi-level lighting or dimming	349	309	149	128	32	Q	40	Q	13	24
Daylight harvesting	125	102	58	29	12	Q	24	Q	8	10
Demand responsive lighting	176	154	64	75	15	N	23	Q	Q	11
Building automation system (BAS)										
for lighting ²	208	168	57	94	17	Q	41	2	10	28
Equipment usage reduced when building not in full use										
(more than one may apply)	2.000	2.450	4.600	4 4 4 2	202	22	F 42	20	120	270
Heating	3,699	3,156	1,699	1,142	283	33		29	138	376
Cooling	3,517	3,000	1,585		283	15 N		30	133	352
Lighting	4,757	4,053	2,199	1,516	338	N	704	33	174	498

Table B17. Occupancy of nongovernment-owned and government-owned buildings, number of buildings, 2012

		Nongovern	ment-own	ed buildings			Governmen	t-owned bui	ldings	
	All buildings	All buildings	Owner occupied	Leased to tenant(s)	Owner occupied and leased	Unocc- upied	All buildings	Federal	State	Local
All buildings	5,557	4,781	2,466	1,745	349	221	776	33	185	558

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

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.

 $^{^{2}}$ In earlier CBECS publications, BAS was referred to as $\it Energy$ Management and $\it Control$ 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.

^{(*) =} Value rounds to zero in the units displayed.