

Table B12. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings, 1999

	Number of Buildings (thousand)								
	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings			
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local
All Buildings	4,657	4,135	2,801	1,099	236	521	63	83	375
Building Floorspace (Square Feet)									
1,001 to 5,000	2,348	2,131	1,433	548	151	216	Q	Q	175
5,001 to 10,000	1,110	1,006	693	250	Q	104	Q	Q	70
10,001 to 25,000	708	618	431	172	15	91	Q	14	64
25,001 to 50,000	257	202	129	68	Q	55	Q	19	33
50,001 to 100,000	145	109	69	39	Q	36	Q	11	21
100,001 to 200,000	59	47	29	17	Q	13	2	3	8
200,001 to 500,000	23	18	13	4	Q	5	Q	2	3
Over 500,000	7	5	5	1	Q	2	1	Q	Q
Principal Building Activity									
Education	327	133	107	25	N	195	Q	43	151
Food Sales	174	174	132	42	N	Q	N	N	Q
Food Service	349	336	242	94	N	Q	Q	Q	Q
Health Care	127	119	77	42	N	Q	Q	Q	Q
Inpatient	11	9	6	Q	N	2	Q	Q	Q
Outpatient	116	110	71	39	N	Q	Q	Q	Q
Lodging	153	142	125	17	N	Q	Q	Q	Q
Mercantile	667	667	377	283	Q	Q	N	Q	Q
Retail (Other Than Mall)	534	533	330	196	Q	Q	N	N	Q
Enclosed and Strip Malls	133	133	47	87	N	Q	N	Q	N
Office	739	685	476	209	N	54	Q	6	37
Public Assembly	305	240	203	31	Q	65	Q	5	52
Public Order and Safety	72	Q	Q	Q	N	49	Q	5	43
Religious Worship	307	307	294	Q	N	N	N	N	N
Service	478	421	275	146	N	57	6	Q	48
Warehouse and Storage	603	564	371	131	Q	40	Q	Q	Q
Other	102	89	63	25	N	Q	Q	Q	Q
Vacant	253	235	Q	Q	161	Q	Q	Q	Q
Year Constructed									
1919 or Before	419	384	256	94	Q	35	Q	Q	21
1920 to 1945	499	436	291	130	Q	63	Q	6	51
1946 to 1959	763	670	450	159	62	93	Q	24	54
1960 to 1969	665	581	377	172	Q	85	4	11	69
1970 to 1979	774	684	465	201	Q	90	Q	19	60
1980 to 1989	846	761	532	195	Q	85	Q	10	73
1990 to 1999	690	619	431	148	Q	71	Q	14	48
Floors									
One	2,879	2,530	1,598	760	171	349	41	50	258
Two	1,168	1,068	805	222	41	100	Q	16	70
Three	420	379	270	88	Q	41	4	9	28
Four to Nine	178	148	119	27	Q	30	4	8	19
Ten or More	11	10	8	2	Q	1	0	1	Q
Census Region									
Northeast	686	607	455	142	Q	80	Q	9	60
Midwest	1,188	1,105	747	256	102	83	Q	14	58
South	1,762	1,585	1,083	431	71	177	25	32	120
West	1,021	839	516	270	53	182	16	28	137

Table B12. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings, 1999

	Number of Buildings (thousand)								
	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings			
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local
Workers (main shift)									
Fewer than 5	2,376	2,187	1,463	488	236	189	Q	14	141
5 to 9	807	709	489	220	N	99	Q	11	86
10 to 19	683	587	435	152	N	96	Q	26	62
20 to 49	487	413	279	133	N	75	Q	13	51
50 to 99	174	135	64	72	N	39	Q	13	23
100 to 249	90	73	48	25	N	18	3	5	9
250 or More	39	33	24	9	N	6	2	2	3
Weekly Operating Hours									
39 or Fewer	978	863	527	100	236	115	Q	Q	97
40 to 48	1,156	967	662	305	N	189	Q	39	137
49 to 60	986	887	639	248	N	99	24	13	62
61 to 84	664	624	400	224	N	40	4	8	27
85 to 167	474	442	295	147	N	33	Q	7	24
Open Continuously	398	352	278	74	N	46	4	15	28
Vacancy Status									
Completely Vacant	140	139	N	N	139	Q	N	N	Q
Mostly Vacant	113	96	Q	Q	22	Q	Q	Q	Q
Partially Vacant	697	620	339	207	Q	77	Q	8	59
Not At All Vacant	3,707	3,280	2,428	852	N	427	45	75	308
Number of Establishments									
One	3,528	3,084	2,317	767	N	444	53	76	316
2 to 5	688	631	395	236	N	58	Q	6	42
6 to 10	114	111	58	54	N	3	Q	Q	Q
11 to 20	48	47	14	33	N	Q	Q	Q	Q
More than 20	27	27	18	9	N	Q	Q	Q	Q
Currently Unoccupied	251	236	N	N	236	Q	Q	Q	Q
Multibuilding Facility Activity									
Not Part of a Multibuilding									
Facility	3,295	3,097	2,050	854	193	198	7	24	167
College or University	70	53	48	Q	Q	17	Q	15	Q
Primary or Secondary School	224	54	47	Q	Q	170	Q	21	148
Office Complex	134	115	64	45	Q	19	Q	Q	Q
Retail Complex	181	175	74	95	Q	Q	N	Q	Q
Religious Campus or Complex	186	186	181	Q	N	N	N	N	N
Health Care Complex	72	50	35	Q	Q	22	Q	Q	Q
Government Complex	61	Q	Q	Q	N	61	27	Q	25
Other	434	405	301	74	Q	29	Q	6	14
Energy Sources (more than one may apply)									
Electricity	4,395	3,898	2,747	1,069	82	498	54	83	361
Natural Gas	2,670	2,366	1,605	719	43	304	24	52	228
Fuel Oil	434	386	311	75	Q	48	4	6	38
District Heat	117	67	53	Q	N	50	Q	20	19
District Chilled Water	50	21	13	Q	N	29	Q	6	Q
Propane	451	415	355	57	Q	36	Q	9	26
Other	153	144	126	17	Q	9	Q	Q	Q

Table B12. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings, 1999

	Number of Buildings (thousand)								
	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings			
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local
Energy End Uses (more than one may apply)									
Buildings with Space Heating	4,016	3,544	2,525	980	40	471	54	79	339
Buildings with Cooling	3,560	3,172	2,246	900	Q	387	46	65	277
Buildings with Water Heating	3,239	2,887	2,039	818	30	352	40	74	238
Buildings with Cooking	857	753	555	196	Q	105	5	19	81
Buildings with Manufacturing	151	141	97	44	N	Q	Q	Q	Q
Buildings with Electricity Generation	172	129	113	15	Q	42	4	13	26
Percent of Floorspace Heated									
Not Heated	641	591	276	119	196	50	Q	Q	36
1 to 50	576	543	385	149	Q	33	Q	Q	24
51 to 99	627	572	393	175	Q	55	Q	17	31
100	2,813	2,430	1,747	655	Q	383	40	60	284
Percent of Floorspace Cooled									
Not Cooled	1,097	963	555	199	209	134	Q	19	99
1 to 50	1,012	925	684	239	Q	87	Q	20	57
51 to 99	751	669	459	206	Q	82	Q	23	52
100	1,796	1,578	1,103	455	Q	218	28	22	167
Percent Lit When Open									
Zero	34	34	Q	Q	N	N	N	N	N
1 to 50	835	772	603	169	N	63	Q	Q	35
51 to 99	1,228	1,090	797	294	N	138	Q	34	92
100	2,096	1,820	1,227	593	N	275	15	40	220
Building Never Open/ Electricity Not Used	464	419	142	41	236	45	Q	Q	Q
Heating Equipment (more than one may apply)									
Heat Pumps	492	410	266	143	Q	82	Q	19	45
Furnaces	1,460	1,391	1,009	366	Q	69	Q	8	53
Individual Space Heaters	894	795	576	211	Q	99	16	14	69
District Heat	96	53	44	Q	N	43	Q	13	18
Boilers	581	444	380	63	Q	137	8	27	102
Packaged Heating Units	1,347	1,188	779	390	Q	159	5	18	136
Other	185	161	125	36	Q	24	Q	Q	Q
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	676	639	483	152	Q	38	Q	4	20
Heat Pumps	485	413	252	160	Q	73	Q	18	37
Individual Air Conditioners	799	682	533	140	Q	116	5	19	92
District Chilled Water	50	21	13	Q	N	29	Q	6	Q
Central Chillers	130	87	72	14	Q	42	5	12	26
Packaged Air Conditioning									
Units	1,953	1,739	1,206	508	Q	214	9	29	176
Swamp Coolers	136	127	64	63	N	9	Q	Q	Q
Other	49	45	41	4	N	4	Q	Q	Q
Main Equipment Replaced Since 1995 (more than one may apply)									
Heating	984	872	619	245	Q	112	Q	13	93
Cooling	1,085	983	651	324	Q	102	Q	17	78

Table B12. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings, 1999

	Number of Buildings (thousand)								
	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings			
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local
Lighting Equipment Types (more than one may apply)									
Incandescent	2,193	2,000	1,423	568	Q	193	20	33	140
Standard Fluorescent	3,778	3,335	2,355	970	Q	443	47	74	322
Compact Fluorescent	607	533	414	118	Q	74	6	19	49
High Intensity Discharge	430	342	258	84	N	87	5	18	64
Halogen	572	536	402	133	Q	36	2	9	25
Other	58	56	44	Q	N	Q	Q	Q	Q
Personal Computers									
None	1,617	1,503	981	304	218	114	Q	Q	92
1 to 4	1,636	1,506	1,076	428	Q	130	Q	18	93
5 to 9	542	466	300	163	Q	76	Q	Q	57
10 to 19	403	335	230	93	Q	67	Q	15	50
20 to 49	247	184	121	63	N	64	Q	11	43
50 to 99	105	74	44	30	N	31	Q	9	21
100 to 249	71	42	29	12	N	29	2	12	15
250 or More	36	26	20	6	N	10	2	3	5
Photocopiers									
None	2,825	2,548	1,661	656	231	277	40	31	206
One	1,114	996	725	267	Q	117	Q	23	81
2 to 4	540	443	328	115	Q	97	6	18	73
5 to 9	102	83	47	37	N	19	Q	8	10
10 or More	75	64	40	24	N	11	3	3	5
Other Electronic Equipment (more than one may apply)									
Laser Printers	1,949	1,670	1,193	466	Q	280	38	56	185
FAX Machines	2,807	2,533	1,748	774	Q	274	37	46	190
Medical Diagnostic Equipment	86	78	57	21	N	Q	Q	Q	Q
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	767	668	478	190	Q	99	5	19	75
Activities with Large Amounts of Hot Water	698	585	439	146	Q	113	Q	27	74
Building Shell Conservation Features (more than one may apply)									
Multipaned Windows	2,130	1,906	1,430	452	24	223	26	40	157
Tinted, Reflective, or Shading Glass	1,283	1,134	820	304	Q	149	19	20	110
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	550	463	330	129	Q	87	5	26	55
Economizer Cycle	567	441	314	124	Q	126	18	25	82
HVAC Maintenance	2,786	2,388	1,728	639	Q	398	46	66	285
Energy Management and Control System (EMCS)	460	330	244	86	Q	131	16	29	85
Lighting Conservation Features (more than one may apply)									
Specular Reflectors	843	726	489	237	Q	117	Q	16	88
Electronic Ballasts	2,167	1,880	1,288	591	Q	287	24	48	215
Skylights or Atriums	580	502	326	145	Q	77	3	21	53

Table B12. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings, 1999

	Number of Buildings (thousand)								
	All Buildings	Nongovernment-Owned Buildings				Government-Owned Buildings			
		All Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	All Government-Owned Buildings	Federal	State	Local
Off-Hour Equipment Reduction (more than one may apply)									
Heating	2,862	2,517	1,857	629	32	345	35	38	272
Cooling	2,622	2,339	1,654	660	Q	282	28	32	222
Lighting	3,675	3,255	2,309	946	N	420	43	67	310
Office Equipment	184	115	76	39	N	69	Q	21	47

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample.

Note: Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 1999 Commercial Buildings Energy Consumption Survey.