

Table B4. Census Region and Division, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
	All Buildings*	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	4,645	233	493	696	571	874	348	553	299	580
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	127	237	369	356	457	215	294	165	333
5,001 to 10,000	889	48	101	117	97	189	56	116	56	110
10,001 to 25,000	738	37	90	122	75	139	51	88	54	81
25,001 to 50,000	241	10	26	44	27	47	15	26	14	32
50,001 to 100,000	129	7	21	24	10	21	10	18	5	13
100,001 to 200,000	65	3	12	12	5	16	Q	8	Q	6
200,001 to 500,000	25	Q	6	6	1	4	Q	2	1	3
Over 500,000	7	Q	1	1	Q	1	Q	Q	Q	1
Principal Building Activity										
Education	386	Q	21	34	29	87	Q	56	39	97
Food Sales	226	Q	Q	43	Q	49	Q	Q	Q	Q
Food Service	297	Q	27	54	34	61	24	42	Q	34
Health Care	129	Q	17	20	11	27	11	10	13	18
Inpatient	8	Q	1	1	Q	Q	Q	1	Q	1
Outpatient	121	Q	Q	19	Q	25	Q	Q	Q	17
Lodging	142	Q	9	15	19	26	13	13	16	14
Retail (Other Than Mall).....	443	Q	46	69	42	106	42	49	21	39
Office	824	47	108	134	97	125	41	84	62	125
Public Assembly	277	Q	29	25	31	44	Q	38	Q	48
Public Order and Safety	71	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	370	Q	41	62	46	77	35	46	Q	33
Service	622	Q	79	95	126	101	51	46	42	61
Warehouse and Storage	597	Q	46	95	66	125	58	93	31	64
Other	79	Q	10	23	Q	Q	Q	Q	Q	Q
Vacant	182	Q	Q	24	Q	35	Q	37	Q	Q
Year Constructed										
Before 1920	330	54	69	82	57	31	Q	Q	Q	Q
1920 to 1945	527	27	95	97	66	51	40	61	Q	75
1946 to 1959	562	Q	79	96	61	87	32	41	Q	106
1960 to 1969	579	Q	75	69	62	107	33	52	63	85
1970 to 1979	731	26	45	112	84	128	71	98	67	100
1980 to 1989	707	32	65	88	74	186	48	117	41	54
1990 to 1999	876	Q	46	107	121	206	80	125	49	119
2000 to 2003	334	Q	20	44	46	78	37	47	19	32
Number of Floors										
One	3,136	91	221	412	389	668	262	450	225	417
Two	1,031	85	145	184	144	138	67	84	54	128
Three	339	37	93	78	29	41	14	12	13	22
Four to Nine	128	19	31	21	8	25	4	5	Q	10
Ten or More	12	Q	3	2	Q	Q	Q	1	Q	2
Elevators and Escalators (more than one may apply)										
Any Elevators	309	20	51	71	36	54	14	23	12	29
Number of Elevators										
One	208	13	31	52	30	34	9	15	9	15
Two to Five	88	5	17	17	6	18	4	6	3	11
Six or More	13	Q	3	1	Q	2	Q	1	Q	2
Any Escalators	6	Q	2	Q	Q	Q	Q	Q	Q	Q

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All Buildings*	4,645	233	493	696	571	874	348	553	299	580
Number of Workers (main shift)										
Fewer than 5	2,653	131	232	398	390	473	238	322	164	305
5 to 9	778	40	97	104	69	159	53	105	40	111
10 to 19	563	32	78	85	60	113	22	64	40	67
20 to 49	398	17	49	68	34	70	26	40	36	57
50 to 99	147	Q	21	26	11	33	Q	13	12	21
100 to 249	77	Q	11	10	5	19	Q	5	5	14
250 or More	30	Q	6	5	1	6	Q	3	1	5
Weekly Operating Hours										
Fewer than 40	1,002	Q	73	163	146	196	95	119	57	115
40 to 48	1,117	52	106	134	149	210	78	150	87	151
49 to 60	1,062	50	134	174	115	199	72	107	59	151
61 to 84	591	35	79	86	69	109	35	71	39	68
85 to 167	400	Q	55	77	31	81	Q	56	20	43
Open Continuously	475	39	46	62	61	78	Q	51	36	52
Ownership and Occupancy										
Nongovernment Owned	4,011	200	442	618	500	765	308	489	239	450
Owner Occupied	1,841	119	246	312	246	305	110	182	108	213
Nonowner Occupied	2,029	80	181	284	234	428	187	273	130	231
Unoccupied	141	Q	Q	22	Q	Q	Q	Q	Q	Q
Government Owned	635	33	51	78	71	109	39	64	60	130
Federal	46	Q	Q	6	Q	2	Q	Q	Q	Q
State	164	Q	17	9	Q	27	15	Q	Q	59
Local	425	20	32	63	52	79	23	54	35	68
Vacancy Status										
Completely Vacant	157	Q	Q	22	Q	35	Q	35	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	548	41	59	70	68	93	48	72	41	56
Not At All Vacant	3,915	186	417	601	472	746	284	445	253	511
Number of Establishments										
One	3,754	182	376	571	476	704	308	432	242	462
2 to 5	643	42	88	94	63	116	20	79	46	95
6 to 10	55	Q	8	6	Q	10	Q	Q	Q	9
11 to 20	23	Q	Q	Q	Q	Q	Q	Q	Q	Q
More than 20	14	Q	3	Q	Q	Q	Q	2	Q	3
Currently Unoccupied	157	Q	Q	22	Q	35	Q	35	Q	Q
Predominant Exterior Wall Material										
Brick, Stone or Stucco	2,044	63	267	363	157	418	148	223	126	277
Concrete (Block or Poured)	786	13	106	148	74	175	74	98	31	66
Concrete Panels	131	Q	9	13	10	16	Q	31	10	36
Siding or Shingles	779	138	56	81	152	117	Q	51	Q	101
Metal Panels	825	Q	44	79	166	136	79	144	78	85
Window Glass	17	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other	47	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	18	Q	Q	Q	Q	Q	N	Q	Q	Q

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All Buildings*	4,645	233	493	696	571	874	348	553	299	580
Predominant Roof Material										
Built-Up	1,036	34	142	165	88	211	57	119	72	149
Shingles (Not Wood)	1,325	125	134	237	175	234	101	107	65	147
Metal Surfacing	1,288	Q	69	112	217	244	132	234	121	131
Synthetic or Rubber	511	20	98	134	64	78	26	31	22	38
Slate or Tile	263	Q	31	29	Q	66	Q	20	Q	66
Wooden Materials	122	Q	Q	Q	Q	Q	Q	Q	Q	33
Concrete	61	Q	Q	Q	Q	Q	N	Q	Q	12
Other	16	Q	Q	Q	Q	Q	N	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	Q	N	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation										
Since 1980	1,018	82	143	184	143	137	67	86	62	115
Addition or Annex	256	Q	34	36	38	40	21	24	27	25
Reduction In Floorspace	22	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	741	57	120	119	105	95	53	64	41	85
Wall or Roof Replacement	370	50	56	66	56	29	30	30	15	39
Interior Wall										
Re-Configuration	411	48	70	73	57	32	23	26	33	49
HVAC Equipment Upgrade	442	40	76	73	67	52	23	38	25	46
Lighting Upgrade	455	48	82	70	62	60	21	27	29	56
Window Replacement	310	47	61	55	32	27	Q	16	20	44
Plumbing System Upgrade	315	36	56	47	39	43	9	17	26	42
Insulation Upgrade	227	Q	38	41	31	26	Q	16	Q	25
Other Renovation	19	Q	Q	Q	N	Q	Q	N	Q	Q
No Renovations Since 1980	1,710	84	220	272	187	266	116	178	128	260
Building Newer than 1980	1,917	67	131	240	241	470	165	290	108	205
Energy Sources (more than one may apply)										
Electricity	4,404	228	482	659	531	835	312	507	285	565
Natural Gas	2,391	74	323	546	255	308	155	251	190	289
Fuel Oil	451	122	132	35	41	59	15	11	10	27
District Heat	67	Q	12	8	Q	15	Q	Q	7	8
District Chilled Water	33	Q	6	3	Q	9	Q	3	Q	6
Propane	502	50	23	30	143	104	44	Q	41	Q
Other	132	Q	Q	19	22	Q	Q	Q	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	211	461	633	479	746	283	433	273	462
Buildings with Cooling	3,625	130	388	550	408	761	262	456	237	434
Buildings with Water Heating	3,472	188	411	572	415	643	227	347	256	413
Buildings with Cooking	801	53	104	131	75	149	59	96	46	88
Buildings with Manufacturing	119	Q	19	18	Q	16	Q	Q	Q	19
Buildings with Electricity Generation	149	12	30	26	14	26	Q	8	11	15
Percent of Floorspace Heated										
Not Heated	663	Q	Q	63	91	128	64	120	Q	118
1 to 50	523	Q	40	65	52	103	46	87	Q	68
51 to 99	498	28	56	83	58	85	29	54	28	76
100	2,962	149	365	484	369	558	209	292	218	318

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All Buildings*	4,645	233	493	696	571	874	348	553	299	580
Percent of Floorspace Cooled										
Not Cooled	1,020	103	105	146	163	113	86	97	62	146
1 to 50	985	53	131	165	128	185	54	127	63	79
51 to 99	629	28	70	112	85	103	29	62	51	89
100	2,011	50	188	272	195	473	178	268	123	265
Percent Lit When Open										
Zero	47	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	929	71	116	149	130	134	50	97	55	127
51 to 99	1,108	73	97	194	161	175	54	128	77	150
100	2,176	79	248	284	204	497	183	256	148	277
Building Never Open/ Electricity Not Used	386	Q	Q	66	74	59	Q	68	Q	Q
Percent Lit When Closed										
Zero	1,964	103	185	254	287	388	120	227	137	262
1 to 50	1,882	84	245	325	187	344	144	219	112	222
51 to 100	136	Q	Q	21	Q	34	Q	20	Q	30
Building Never Closed/ Electricity Not Used	664	41	54	96	88	108	77	87	46	67
Heating Equipment (more than one may apply)										
Heat Pumps	476	Q	42	15	30	223	50	31	11	69
Packaged Heat Pumps	278	Q	27	11	Q	127	Q	26	Q	38
Split-System Heat Pumps	166	Q	Q	Q	Q	82	27	Q	Q	Q
Individual Room Heat Pumps	58	Q	4	Q	Q	26	Q	Q	Q	12
Furnaces	1,864	92	218	424	312	199	100	168	162	190
Individual Space Heaters	819	44	77	122	120	112	Q	81	69	117
District Heat	65	Q	12	8	Q	13	Q	Q	7	8
Boilers	579	85	142	117	58	51	17	21	37	52
Packaged Heating Units	953	22	74	92	59	248	97	187	46	129
Other	205	Q	9	42	39	38	Q	7	24	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	1,006	20	124	186	177	165	53	142	34	105
Heat Pumps	492	Q	48	21	28	225	51	27	15	66
Packaged Heat Pumps	288	Q	33	15	Q	126	Q	23	Q	35
Split-System Heat Pumps	174	Q	Q	Q	Q	84	28	Q	Q	Q
Individual Room Heat Pumps	58	Q	4	Q	Q	25	Q	Q	Q	12
Individual Air Conditioners	742	69	110	100	109	97	62	69	56	69
District Chilled Water	33	Q	6	3	Q	9	Q	3	Q	6
Central Chillers	111	3	6	18	11	31	8	11	6	16
Packaged Air Conditioning										
Units	1,613	42	160	280	145	325	116	240	99	205
Swamp Coolers	122	Q	Q	Q	N	Q	Q	Q	66	47
Other	40	Q	Q	10	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	1,197	61	155	214	151	212	89	131	74	109
Cooling	1,356	79	187	220	156	226	98	157	95	138

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All Buildings*	4,645	233	493	696	571	874	348	553	299	580
Office Equipment (more than one may apply)										
Computers	3,081	155	349	465	349	581	192	346	205	438
With Flat Screen Monitors	877	65	124	132	84	153	51	101	60	106
Dedicated Servers	1,175	59	171	193	126	204	56	107	85	173
Laser Printers	1,970	109	235	276	229	339	143	235	114	289
Inkjet Printers	1,420	64	158	228	151	280	74	152	116	197
FAX Machines	2,715	135	339	413	289	521	164	321	179	354
Photocopiers	1,939	96	256	301	193	359	128	200	134	273
Number of Computers										
None	1,565	78	145	231	221	292	156	207	94	142
1 to 4	1,670	87	166	256	191	325	115	206	100	225
5 to 9	559	Q	82	82	68	93	40	66	35	73
10 to 19	370	26	37	51	51	67	Q	36	29	62
20 to 49	255	14	33	35	25	41	15	20	28	42
50 to 99	110	Q	13	19	6	29	Q	6	7	21
100 to 249	79	Q	11	13	8	19	Q	7	5	10
250 or More	38	2	7	8	1	8	Q	4	1	5
Number of Dedicated Servers										
None	3,471	174	322	503	444	669	292	446	213	407
1 to 4	1,060	54	156	171	119	175	52	99	83	151
5 to 9	58	Q	7	11	3	12	Q	Q	Q	15
10 to 19	30	Q	3	4	Q	13	Q	Q	Q	3
20 to 49	17	Q	3	Q	Q	3	Q	Q	Q	Q
50 or More	10	Q	2	Q	Q	1	Q	Q	Q	Q
Number of Photocopiers										
None	2,706	137	237	395	378	515	219	354	164	307
One	1,250	56	152	190	142	224	99	140	79	169
2 to 4	549	32	81	86	44	101	22	50	49	84
5 to 9	85	Q	14	16	5	19	Q	5	Q	11
10 or More	54	2	9	9	2	14	Q	5	3	9
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	799	53	104	131	75	148	59	96	46	88
Activities with Large Amounts of Hot Water	567	30	63	80	55	111	39	56	47	86
Separate Computer Area	553	29	69	84	51	104	29	57	37	93
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	22	40	71	35	101	21	58	38	79
Economizer Cycle	508	31	60	96	41	76	20	42	40	104
HVAC Maintenance	2,581	157	341	414	228	475	123	279	193	370
Energy Management and Control System (EMCS)	252	6	22	41	14	66	9	26	14	55

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All Buildings*	4,645	233	493	696	571	874	348	553	299	580
Window and Interior Lighting Features (more than one may apply)										
Multipaned Windows	2,201	156	272	431	311	379	117	155	177	204
Tinted Window Glass	1,323	33	107	205	134	294	89	189	86	186
Reflective Window Glass	308	Q	30	43	34	53	12	38	28	53
External Overhangs or Awnings	1,233	48	102	195	157	221	83	158	100	169
Skylights or Atriums	331	16	41	57	33	57	Q	38	30	44
Daylighting Sensors	74	Q	2	20	Q	9	Q	Q	Q	19
Specular Reflectors	928	57	103	200	91	158	37	86	52	143
Electronic Ballasts	2,577	123	261	407	360	456	164	276	183	347
Energy Management and Control System (EMCS) for Lighting	60	Q	5	8	Q	16	Q	5	Q	Q
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a										
Heating	2,878	146	363	449	309	520	209	312	184	387
Cooling	2,761	102	314	394	282	558	201	371	179	360
Lighting	3,685	183	407	557	439	709	253	422	241	474
Office Equipment	1,504	73	190	226	160	292	83	181	96	202

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet.

^a The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences.

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.

Notes: • HVAC = Heating, Ventilation, and Air Conditioning. • 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 2003 Commercial Buildings Energy Consumption Survey.