

Table B6. Building Size, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Principal Building Activity									
Education	386	162	56	60	48	39	16	5	Q
Food Sales	226	164	44	Q	Q	Q	Q	N	N
Food Service	297	202	65	23	Q	Q	N	Q	N
Health Care	129	56	38	19	5	5	3	2	1
Inpatient	8	N	N	Q	Q	Q	Q	2	1
Outpatient	121	56	38	19	Q	3	Q	Q	N
Lodging	142	38	21	38	23	11	7	4	Q
Retail (Other Than Mall).....	443	241	97	83	14	Q	4	Q	Q
Office	824	503	127	116	43	17	11	5	2
Public Assembly	277	119	67	69	9	7	6	Q	Q
Public Order and Safety	71	37	Q	Q	Q	Q	Q	Q	Q
Religious Worship	370	152	104	83	27	Q	Q	Q	N
Service	622	434	100	66	17	Q	Q	Q	Q
Warehouse and Storage	597	294	110	130	27	21	8	4	Q
Other	79	Q	Q	Q	Q	Q	Q	Q	Q
Vacant	182	108	Q	Q	13	Q	Q	Q	Q
Year Constructed									
Before 1920	330	174	71	55	19	7	Q	Q	Q
1920 to 1945	527	315	107	64	23	9	5	4	1
1946 to 1959	562	331	90	90	26	14	8	2	1
1960 to 1969	579	298	120	95	33	22	8	3	0
1970 to 1979	731	350	180	122	48	16	10	4	1
1980 to 1989	707	438	98	103	32	20	10	4	2
1990 to 1999	876	481	158	151	39	28	15	4	1
2000 to 2003	334	165	66	58	21	13	8	2	Q
Census Region									
Northeast	726	364	149	127	36	27	15	6	2
Midwest	1,266	725	213	198	71	34	17	8	1
South	1,775	965	361	278	88	49	25	7	2
West	878	498	165	135	46	19	8	5	2
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	855	476	157	147	42	19	9	4	1
5,500-7,000 HDD	1,173	621	226	200	62	36	19	7	2
4,000-5,499 HDD	673	375	129	89	35	26	12	5	2
Fewer than 4,000 HDD	1,276	723	257	185	59	30	16	5	1
2,000 CDD or More and --									
Fewer than 4,000 HDD	669	357	121	117	43	18	8	3	1
Number of Floors									
One	3,136	2,014	564	399	92	46	16	4	Q
Two	1,031	411	239	248	77	35	13	6	Q
Three	339	115	70	74	46	21	11	3	Q
Four to Nine	128	Q	Q	18	26	25	23	8	2
Ten or More	12	N	N	Q	Q	Q	3	4	3

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All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Elevators and Escalators (more than one may apply)									
Any Elevators	309	Q	29	61	81	57	41	19	5
Number of Elevators									
One	208	Q	29	57	62	29	11	4	Q
Two to Five	88	N	N	Q	19	28	29	9	Q
Six or More	13	N	N	Q	Q	Q	Q	6	5
Any Escalators	6	N	Q	Q	N	Q	Q	1	2
Number of Workers (main shift)									
Fewer than 5	2,653	1,879	452	268	36	10	6	Q	Q
5 to 9	778	422	192	134	24	4	Q	Q	N
10 to 19	563	202	146	154	38	16	Q	Q	N
20 to 49	398	43	87	131	82	41	11	2	Q
50 to 99	147	Q	Q	42	44	31	15	4	Q
100 to 249	77	Q	Q	Q	17	21	18	6	Q
250 or More	30	N	N	N	Q	5	10	8	5
Weekly Operating Hours									
Fewer than 40	1,002	689	179	99	20	9	4	Q	Q
40 to 48	1,117	628	238	166	48	26	8	2	Q
49 to 60	1,062	532	197	206	73	33	13	6	1
61 to 84	591	262	114	130	50	18	13	3	1
85 to 167	400	213	84	51	16	20	11	4	Q
Open Continuously	475	228	77	85	35	22	16	9	3
Ownership and Occupancy									
Nongovernment Owned	4,011	2,272	783	625	185	82	43	16	5
Owner Occupied	1,841	980	384	320	91	35	21	7	2
Nonowner Occupied	2,029	1,205	375	293	86	40	20	8	3
Unoccupied	141	87	Q	Q	Q	Q	Q	Q	N
Government Owned	635	280	106	113	56	47	22	9	2
Federal	46	Q	Q	Q	Q	Q	Q	2	1
State	164	77	Q	40	16	9	8	1	Q
Local	425	183	87	64	36	37	12	5	Q
Vacancy Status									
Completely Vacant	157	100	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	Q	Q	N	N
Partially Vacant	548	269	91	108	37	22	12	6	3
Not At All Vacant	3,915	2,175	769	610	191	100	50	17	3
Number of Establishments									
One	3,754	2,131	720	590	163	87	43	15	3
2 to 5	643	311	136	104	50	25	11	5	1
6 to 10	55	Q	Q	22	11	4	4	Q	Q
11 to 20	23	Q	N	Q	Q	5	Q	1	Q
More than 20	14	N	Q	Q	Q	Q	Q	2	1
Currently Unoccupied	157	100	Q	Q	Q	Q	Q	Q	Q

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	Number of Buildings (thousand)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Predominant Exterior Wall Material									
Brick, Stone or Stucco	2,044	978	421	387	135	71	35	13	3
Concrete (Block or Poured)	786	449	130	119	44	26	12	4	1
Concrete Panels	131	36	24	22	20	12	10	4	2
Siding or Shingles	779	587	117	56	12	Q	Q	Q	Q
Metal Panels	825	457	184	142	26	10	4	Q	Q
Window Glass	17	Q	Q	Q	Q	Q	Q	Q	Q
Other	47	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	18	Q	Q	Q	Q	Q	Q	Q	Q
Predominant Roof Material									
Built-Up	1,036	494	191	173	91	51	25	8	4
Shingles (Not Wood)	1,325	847	234	183	46	8	4	3	Q
Metal Surfacing	1,288	721	272	225	41	19	7	Q	Q
Synthetic or Rubber	511	206	100	92	41	38	23	9	2
Slate or Tile	263	155	53	36	12	4	Q	Q	Q
Wooden Materials	122	91	Q	Q	Q	Q	Q	Q	N
Concrete	61	Q	Q	Q	Q	Q	Q	Q	Q
Other	16	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation									
Since 1980	1,018	489	219	170	77	35	18	8	2
Addition or Annex	256	104	51	44	28	16	8	3	1
Reduction In Floorspace	22	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	741	356	154	130	54	26	13	6	2
Wall or Roof Replacement	370	156	98	60	29	14	8	4	1
Interior Wall									
Re-Configuration	411	190	84	80	27	15	8	4	2
HVAC Equipment Upgrade	442	164	95	100	43	22	12	6	2
Lighting Upgrade	455	183	94	102	37	21	11	5	2
Window Replacement	310	134	65	64	24	14	6	3	1
Plumbing System Upgrade	315	128	73	66	23	13	7	4	1
Insulation Upgrade	227	124	38	35	16	8	4	2	1
Other Renovation	19	Q	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	1,710	979	349	255	72	32	15	7	1
Building Newer than 1980	1,917	1,084	321	312	92	62	32	10	3
Energy Sources (more than one may apply)									
Electricity	4,404	2,384	834	727	234	128	65	24	7
Natural Gas	2,391	1,110	496	450	168	95	48	19	5
Fuel Oil	451	209	99	61	22	23	21	12	4
District Heat	67	Q	Q	18	10	8	9	4	2
District Chilled Water	33	Q	Q	Q	6	5	6	2	1
Propane	502	295	100	64	18	13	7	4	Q
Other	132	79	Q	Q	Q	Q	Q	Q	Q

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	All Buildings*	Building Size							
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All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Energy End Uses (more than one may apply)									
Buildings with Space Heating	3,982	2,100	782	659	225	123	62	24	6
Buildings with Cooling	3,625	1,841	732	629	216	118	60	23	6
Buildings with Water Heating	3,472	1,715	725	607	217	119	60	23	6
Buildings with Cooking	801	354	155	127	69	50	28	14	4
Buildings with Manufacturing	119	Q	29	28	Q	8	3	2	Q
Buildings with Electricity Generation	149	Q	Q	31	18	25	21	10	4
Percent of Floorspace Heated									
Not Heated	663	452	107	79	16	Q	Q	Q	Q
1 to 50	523	262	112	107	22	13	5	Q	Q
51 to 99	498	258	99	89	27	13	6	4	2
100	2,962	1,580	570	463	176	98	52	19	4
Percent of Floorspace Cooled									
Not Cooled	1,020	710	157	109	25	11	5	Q	Q
1 to 50	985	407	226	225	64	41	14	6	Q
51 to 99	629	279	133	126	43	25	14	7	2
100	2,011	1,155	374	277	109	52	32	10	3
Percent Lit When Open									
Zero	47	Q	Q	Q	Q	Q	N	Q	N
1 to 50	929	524	149	184	47	16	7	Q	Q
51 to 99	1,108	540	220	203	80	37	18	8	2
100	2,176	1,184	444	323	102	69	37	14	4
Building Never Open/ Electricity Not Used	386	268	73	Q	Q	Q	Q	Q	Q
Percent Lit When Closed									
Zero	1,964	1,205	374	272	66	30	12	4	Q
1 to 50	1,882	903	376	352	129	72	35	11	2
51 to 100	136	87	Q	19	Q	5	2	Q	Q
Building Never Closed/ Electricity Not Used	664	356	121	95	41	22	16	9	3
Heating Equipment (more than one may apply)									
Heat Pumps	476	258	63	86	33	21	9	5	1
Packaged Heat Pumps	278	150	40	46	21	12	6	2	1
Split-System Heat Pumps	166	95	Q	30	9	7	Q	Q	Q
Individual Room Heat Pumps	58	Q	Q	15	10	8	3	2	Q
Furnaces	1,864	1,039	391	307	76	30	15	5	1
Individual Space Heaters	819	415	170	142	49	25	12	5	1
District Heat	65	Q	Q	18	9	8	9	4	2
Boilers	579	162	105	138	78	49	31	13	3
Packaged Heating Units	953	423	214	170	69	47	20	7	2
Other	205	121	Q	28	13	6	Q	2	Q

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	Number of Buildings (thousand)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	1,006	581	207	140	47	19	8	4	1
Heat Pumps	492	260	78	87	33	20	8	4	1
Packaged Heat Pumps	288	147	51	49	19	12	6	2	1
Split-System Heat Pumps	174	100	Q	30	10	6	Q	Q	Q
Individual Room Heat Pumps	58	Q	Q	15	10	7	3	2	1
Individual Air Conditioners	742	383	134	114	62	27	16	4	1
District Chilled Water	33	Q	Q	Q	6	5	6	2	1
Central Chillers	111	Q	Q	26	19	24	17	10	3
Packaged Air Conditioning									
Units	1,613	678	367	332	119	67	32	13	3
Swamp Coolers	122	58	26	26	Q	Q	Q	Q	Q
Other	40	Q	Q	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	1,197	615	233	220	76	34	13	5	1
Cooling	1,356	662	288	251	87	41	18	8	2
Lighting Equipment Types (more than one may apply)									
Incandescent	2,184	1,070	416	412	145	75	43	17	5
Standard Fluorescent	3,943	2,068	772	665	223	123	62	24	6
Compact Fluorescent	941	382	148	189	102	60	38	16	5
High Intensity Discharge	455	101	88	105	60	51	32	13	4
Halogen	565	205	107	123	55	37	25	10	4
Other	8	Q	Q	Q	N	Q	Q	Q	Q
Refrigeration Equipment (more than one may apply)^a									
Any Refrigeration.....	3,176	1,591	642	548	196	114	58	21	6
Commercial Refrigeration	1,007	486	188	138	78	60	36	16	5
Walk-In Units	666	332	124	75	44	44	29	14	5
Cases or Cabinets	825	416	146	118	60	41	27	11	4
Residential-Type Units	2,370	1,159	494	427	148	81	41	16	4
Vending Machines	996	268	181	250	134	89	48	19	6
No Refrigeration	1,469	961	247	190	45	15	7	3	Q
Office Equipment (more than one may apply)									
Computers	3,081	1,405	643	599	222	123	59	23	6
With Flat Screen Monitors	877	310	176	190	94	53	33	17	5
Dedicated Servers	1,175	385	209	286	135	87	46	21	6
Laser Printers	1,970	915	400	386	145	77	32	12	3
Inkjet Printers	1,420	562	291	313	127	71	36	14	5
FAX Machines	2,715	1,227	545	529	206	119	60	22	6
Photocopiers	1,939	706	412	439	189	108	57	22	6

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Table B6. Building Size, Number of Buildings for Non-Mall Buildings, 2003

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	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Number of Computers									
None	1,565	1,147	246	139	19	6	Q	Q	Q
1 to 4	1,670	997	373	244	37	13	5	Q	N
5 to 9	559	241	135	128	36	15	4	Q	Q
10 to 19	370	138	74	89	42	17	7	Q	Q
20 to 49	255	Q	60	93	50	18	7	3	Q
50 to 99	110	Q	Q	37	35	21	6	3	Q
100 to 249	79	Q	N	Q	21	30	14	4	Q
250 or More	38	N	N	N	Q	7	15	9	5
Number of Dedicated Servers									
None	3,471	2,166	680	452	106	41	20	4	Q
1 to 4	1,060	380	197	260	112	68	30	12	1
5 to 9	58	Q	Q	Q	13	10	6	2	1
10 to 19	30	Q	Q	Q	Q	5	5	3	1
20 to 49	17	N	N	Q	Q	Q	3	2	1
50 or More	10	N	N	Q	Q	Q	Q	2	2
Number of Photocopiers									
None	2,706	1,846	477	299	52	20	8	Q	Q
One	1,250	565	296	267	78	30	10	3	Q
2 to 4	549	131	110	148	82	50	23	5	Q
5 to 9	85	Q	Q	19	17	15	11	6	Q
10 or More	54	N	N	Q	11	14	13	8	5
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	799	352	155	127	69	50	28	14	4
Activities with Large Amounts of Hot Water	567	161	134	114	71	45	27	12	4
Separate Computer Area	553	115	81	137	91	68	37	18	6
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	466	154	72	92	56	45	30	13	4
Economizer Cycle	508	164	83	100	61	49	33	14	4
HVAC Maintenance	2,581	1,187	507	486	198	113	60	23	6
Energy Management and Control System (EMCS)	252	55	29	49	41	37	26	11	4
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	2,201	1,053	441	421	140	80	46	16	5
Tinted Window Glass	1,323	564	288	254	99	62	36	15	5
Reflective Window Glass	308	146	39	63	27	13	12	5	2
External Overhangs or Awnings	1,233	636	267	202	70	31	19	7	1
Skylights or Atriums	331	114	54	68	37	29	17	10	2
Daylighting Sensors	74	Q	Q	Q	6	5	3	2	1
Specular Reflectors	928	382	163	181	99	51	30	17	5
Electronic Ballasts	2,577	1,265	525	431	175	101	51	22	6
Energy Management and Control System (EMCS) for Lighting	60	Q	Q	Q	11	8	6	4	2

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All Buildings*	4,645	2,552	889	738	241	129	65	25	7
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a									
Heating	2,878	1,529	553	485	160	88	42	17	5
Cooling	2,761	1,424	538	477	169	87	43	18	5
Lighting	3,685	2,001	725	610	191	96	45	14	3
Office Equipment	1,504	756	317	278	86	42	18	6	Q

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/cbeecs>.

* 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.

Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Principal Building Activity									
Education	9,874	409	399	931	1,756	2,690	2,167	1,420	Q
Food Sales	1,255	409	356	Q	Q	Q	Q	N	N
Food Service	1,654	544	442	345	Q	Q	N	Q	N
Health Care	3,163	165	280	313	157	364	395	514	973
Inpatient	1,905	N	N	Q	Q	Q	Q	467	973
Outpatient	1,258	165	280	312	Q	206	Q	Q	N
Lodging	5,096	99	160	631	803	841	930	1,185	Q
Retail (Other Than Mall).....	4,317	638	725	1,284	578	Q	524	Q	Q
Office	12,208	1,382	938	1,887	1,506	1,209	1,428	1,493	2,365
Public Assembly	3,939	336	518	1,077	301	474	868	Q	Q
Public Order and Safety	1,090	122	Q	Q	Q	Q	Q	Q	Q
Religious Worship	3,754	416	744	1,235	930	Q	Q	Q	N
Service	4,050	1,034	722	1,021	560	Q	Q	Q	Q
Warehouse and Storage	10,078	895	868	2,064	1,043	1,494	1,162	1,322	Q
Other	1,738	Q	Q	Q	Q	Q	Q	Q	Q
Vacant	2,567	239	Q	Q	471	Q	Q	Q	Q
Year Constructed									
Before 1920	3,769	490	502	804	677	491	Q	Q	Q
1920 to 1945	6,871	796	827	988	838	641	704	1,288	790
1946 to 1959	7,045	860	643	1,421	935	927	1,148	569	541
1960 to 1969	8,101	690	865	1,460	1,234	1,483	1,039	947	382
1970 to 1979	10,772	966	1,332	1,869	1,720	1,146	1,411	1,243	1,085
1980 to 1989	10,332	1,149	721	1,647	1,174	1,390	1,496	1,237	1,518
1990 to 1999	12,360	1,324	1,209	2,388	1,352	2,058	1,934	984	1,111
2000 to 2003	5,533	515	486	958	739	921	1,060	609	Q
Census Region									
Northeast	12,905	1,025	1,123	1,972	1,292	2,040	2,117	1,781	1,556
Midwest	17,080	1,895	1,565	3,098	2,567	2,260	2,296	2,196	1,203
South	23,489	2,533	2,658	4,378	3,168	3,435	3,475	1,914	1,928
West	11,310	1,336	1,239	2,087	1,643	1,322	1,177	1,286	1,221
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	10,622	1,307	1,197	2,235	1,451	1,295	1,206	1,115	815
5,500-7,000 HDD	17,335	1,673	1,633	3,140	2,282	2,549	2,652	1,943	1,463
4,000-5,499 HDD	11,504	1,005	964	1,421	1,272	1,823	1,761	1,619	1,639
Fewer than 4,000 HDD	15,739	1,862	1,907	2,865	2,105	2,063	2,286	1,552	1,098
2,000 CDD or More and --									
Fewer than 4,000 HDD	9,584	942	884	1,874	1,558	1,327	1,160	947	893
Number of Floors									
One	25,981	5,192	4,150	6,160	3,296	3,187	2,159	1,134	Q
Two	16,270	1,217	1,814	3,966	2,772	2,456	1,896	1,775	Q
Three	7,501	343	504	1,115	1,631	1,481	1,418	730	Q
Four to Nine	10,085	Q	Q	292	964	1,822	3,150	2,186	1,516
Ten or More	4,947	N	N	Q	Q	Q	442	1,350	3,036

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Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Elevators and Escalators (more than one may apply)									
Any Elevators	24,617	Q	228	1,052	2,917	4,066	5,705	5,566	5,026
Number of Elevators									
One	8,221	Q	228	996	2,193	2,001	1,541	1,066	Q
Two to Five	10,129	N	N	Q	714	2,041	3,990	2,670	Q
Six or More	6,268	N	N	Q	Q	Q	Q	1,830	4,218
Any Escalators	2,350	N	Q	Q	N	Q	Q	415	1,708
Number of Workers (main shift)									
Fewer than 5	15,492	4,659	3,323	4,006	1,222	704	804	Q	Q
5 to 9	6,166	1,264	1,373	2,075	836	291	Q	Q	N
10 to 19	7,803	689	1,109	2,456	1,327	1,157	Q	Q	N
20 to 49	10,989	155	689	2,113	2,920	2,865	1,558	533	Q
50 to 99	7,934	Q	Q	692	1,648	2,151	2,014	1,077	Q
100 to 249	6,871	Q	Q	Q	667	1,518	2,455	1,706	Q
250 or More	9,528	N	N	N	Q	371	1,452	2,571	5,087
Weekly Operating Hours									
Fewer than 40	6,863	1,740	1,289	1,464	727	599	544	Q	Q
40 to 48	11,622	1,665	1,751	2,623	1,710	1,802	1,256	507	Q
49 to 60	15,723	1,444	1,465	3,210	2,566	2,255	1,809	1,651	1,324
61 to 84	10,334	727	851	2,095	1,817	1,297	1,791	887	869
85 to 167	7,092	569	653	827	616	1,496	1,499	1,102	Q
Open Continuously	13,149	644	577	1,316	1,232	1,608	2,166	2,624	2,982
Ownership and Occupancy									
Nongovernment Owned	49,421	6,043	5,827	9,738	6,659	5,779	5,958	4,803	4,613
Owner Occupied	23,591	2,682	2,858	5,028	3,197	2,464	2,919	2,048	2,396
Nonowner Occupied	23,914	3,162	2,791	4,530	3,141	2,951	2,714	2,408	2,217
Unoccupied	1,916	199	Q	Q	Q	Q	Q	Q	N
Government Owned	15,363	746	758	1,797	2,009	3,278	3,106	2,373	1,295
Federal	1,956	Q	Q	Q	Q	Q	Q	545	606
State	3,808	206	Q	604	531	620	1,142	408	Q
Local	9,599	498	620	1,044	1,327	2,557	1,644	1,420	Q
Vacancy Status									
Completely Vacant	2,161	223	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant	406	Q	Q	Q	Q	Q	Q	N	N
Partially Vacant	12,382	738	706	1,646	1,310	1,563	1,681	1,943	2,795
Not At All Vacant	49,834	5,813	5,671	9,611	6,888	7,031	6,959	4,845	3,017
Number of Establishments									
One	45,144	5,613	5,304	9,098	5,807	6,218	6,102	4,246	2,756
2 to 5	10,960	916	1,031	1,732	1,837	1,739	1,545	1,361	800
6 to 10	1,958	Q	Q	383	355	273	539	Q	Q
11 to 20	1,951	Q	N	Q	Q	337	Q	389	Q
More than 20	2,609	N	Q	Q	Q	Q	Q	531	1,522
Currently Unoccupied	2,161	223	Q	Q	Q	Q	Q	Q	Q

Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Predominant Exterior Wall Material									
Brick, Stone or Stucco	32,817	2,735	3,103	6,047	4,841	5,038	4,865	3,800	2,387
Concrete (Block or Poured)	10,832	1,137	937	1,976	1,551	1,830	1,665	1,252	485
Concrete Panels	6,559	90	185	367	787	860	1,429	1,142	1,699
Siding or Shingles	4,120	1,412	862	826	419	Q	Q	Q	Q
Metal Panels	7,912	1,280	1,388	2,149	950	721	518	Q	Q
Window Glass	1,024	Q	Q	Q	Q	Q	Q	Q	Q
Other	1,113	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	Q	Q	Q	Q	Q	Q
Predominant Roof Material									
Built-Up	21,170	1,296	1,429	2,814	3,216	3,566	3,320	2,386	3,143
Shingles (Not Wood)	10,195	2,213	1,688	2,686	1,623	579	486	761	Q
Metal Surfacing	11,944	1,997	2,024	3,508	1,500	1,348	909	Q	Q
Synthetic or Rubber	14,730	580	772	1,494	1,511	2,662	3,134	2,668	1,909
Slate or Tile	2,462	397	378	561	429	307	Q	Q	Q
Wooden Materials	887	213	Q	Q	Q	Q	Q	Q	N
Concrete	2,231	Q	Q	Q	Q	Q	Q	Q	Q
Other	598	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	565	Q	Q	Q	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation									
Since 1980	17,844	1,283	1,640	2,684	2,826	2,495	2,584	2,260	2,072
Addition or Annex	6,551	288	379	684	1,000	1,121	1,250	825	1,004
Reduction In Floorspace	1,012	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	13,119	959	1,148	2,072	1,993	1,841	1,900	1,709	1,497
Wall or Roof Replacement	8,070	431	746	975	1,024	990	1,271	1,271	1,363
Interior Wall									
Re-Configuration	8,518	537	644	1,210	968	1,045	1,338	1,323	1,454
HVAC Equipment Upgrade	10,768	461	714	1,548	1,564	1,551	1,644	1,664	1,622
Lighting Upgrade	10,275	489	715	1,568	1,360	1,489	1,702	1,510	1,442
Window Replacement	6,354	366	507	987	862	998	938	865	830
Plumbing System Upgrade	7,144	326	563	1,045	811	878	1,163	1,163	1,193
Insulation Upgrade	4,015	334	306	582	562	511	493	690	536
Other Renovation	523	Q	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	18,714	2,518	2,529	3,858	2,577	2,194	1,991	2,086	961
Building Newer than 1980	28,225	2,988	2,416	4,993	3,265	4,369	4,489	2,831	2,875
Energy Sources (more than one may apply)									
Electricity	63,307	6,346	6,197	11,370	8,385	9,031	9,018	7,051	5,908
Natural Gas	43,468	3,084	3,692	7,053	6,025	6,683	6,645	5,679	4,606
Fuel Oil	15,157	600	716	966	825	1,740	2,927	3,400	3,981
District Heat	5,443	Q	Q	289	369	574	1,399	1,018	1,693
District Chilled Water	2,853	Q	Q	Q	240	332	793	495	822
Propane	7,076	806	725	1,014	638	925	989	1,165	Q
Other	1,401	199	Q	Q	Q	Q	Q	Q	Q

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Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Energy End Uses (more than one may apply)									
Buildings with Space Heating	60,028	5,668	5,786	10,387	8,060	8,718	8,710	6,907	5,792
Buildings with Cooling	56,940	5,007	5,408	9,922	7,776	8,331	8,339	6,565	5,591
Buildings with Water Heating	56,478	4,759	5,348	9,562	7,734	8,412	8,300	6,680	5,683
Buildings with Cooking	22,237	997	1,136	1,954	2,511	3,575	3,991	4,047	4,025
Buildings with Manufacturing	3,138	Q	214	472	Q	540	473	605	Q
Buildings with Electricity Generation	12,821	Q	Q	491	662	1,921	2,877	2,977	3,694
Percent of Floorspace Heated									
Not Heated	4,756	1,121	799	1,148	608	Q	Q	Q	Q
1 to 50	6,850	738	889	1,742	842	916	703	Q	Q
51 to 99	8,107	731	724	1,420	941	926	779	1,168	1,418
100	45,071	4,198	4,173	7,225	6,278	6,877	7,228	5,404	3,688
Percent of Floorspace Cooled									
Not Cooled	7,843	1,782	1,177	1,612	893	726	725	Q	Q
1 to 50	16,598	1,206	1,704	3,517	2,369	2,926	1,984	1,822	Q
51 to 99	13,211	781	995	2,034	1,479	1,751	1,954	2,057	2,159
100	27,132	3,021	2,710	4,372	3,928	3,654	4,402	2,685	2,360
Percent Lit When Open									
Zero	293	Q	Q	Q	Q	Q	N	Q	N
1 to 50	10,203	1,372	1,124	2,810	1,705	1,146	1,025	Q	Q
51 to 99	18,288	1,482	1,671	3,179	2,807	2,570	2,442	2,389	1,748
100	32,789	3,158	3,233	5,173	3,702	4,903	5,187	3,985	3,448
Building Never Open/ Electricity Not Used	3,210	665	521	Q	Q	Q	Q	Q	Q
Percent Lit When Closed									
Zero	17,385	3,057	2,782	4,211	2,271	2,088	1,654	1,059	Q
1 to 50	30,948	2,529	2,785	5,545	4,713	4,960	4,909	3,195	2,312
51 to 100	2,093	237	Q	314	Q	374	316	Q	Q
Building Never Closed/ Electricity Not Used	14,357	965	895	1,465	1,481	1,634	2,185	2,749	2,982
Heating Equipment (more than one may apply)									
Heat Pumps	8,814	685	462	1,400	1,150	1,524	1,245	1,295	1,053
Packaged Heat Pumps	5,442	400	286	784	740	878	829	671	854
Split-System Heat Pumps	2,581	257	Q	487	339	467	Q	Q	Q
Individual Room Heat Pumps	2,691	Q	Q	255	322	535	499	710	Q
Furnaces	19,615	2,902	2,891	4,653	2,761	2,086	1,974	1,456	891
Individual Space Heaters	12,545	1,047	1,282	2,129	1,748	1,819	1,625	1,313	1,582
District Heat	5,166	Q	Q	289	325	549	1,365	1,010	1,528
Boilers	20,423	461	773	2,164	2,829	3,497	4,283	3,844	2,573
Packaged Heating Units	18,021	1,159	1,599	2,765	2,449	3,328	2,797	2,156	1,769
Other	3,262	330	Q	456	419	450	Q	514	Q

Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	11,035	1,568	1,523	2,173	1,683	1,388	993	1,136	569
Heat Pumps	9,041	675	563	1,441	1,155	1,440	1,158	1,273	1,334
Packaged Heat Pumps	5,426	392	369	847	693	830	792	654	849
Split-System Heat Pumps	2,606	255	Q	481	377	432	Q	Q	Q
Individual Room Heat Pumps	2,940	Q	Q	255	335	506	449	714	612
Individual Air Conditioners	12,558	972	1,012	1,740	2,301	1,958	2,259	1,223	1,095
District Chilled Water	2,853	Q	Q	Q	240	332	793	495	822
Central Chillers	11,636	Q	Q	456	729	1,722	2,366	3,023	3,278
Packaged Air Conditioning									
Units	29,969	1,957	2,741	5,260	4,264	4,732	4,504	3,834	2,678
Swamp Coolers	1,561	179	207	378	Q	Q	Q	Q	Q
Other	1,232	Q	Q	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	16,403	1,645	1,733	3,440	2,811	2,363	1,735	1,541	1,134
Cooling	20,995	1,781	2,122	3,924	3,192	2,895	2,593	2,396	2,091
Lighting Equipment Types (more than one may apply)									
Incandescent	38,528	2,918	3,061	6,424	5,176	5,296	6,042	4,913	4,698
Standard Fluorescent	59,688	5,579	5,726	10,458	8,001	8,667	8,612	6,839	5,806
Compact Fluorescent	27,571	1,123	1,109	2,944	3,662	4,330	5,268	4,610	4,526
High Intensity Discharge	20,643	312	686	1,721	2,191	3,646	4,349	3,918	3,819
Halogen	17,703	604	781	1,973	2,013	2,599	3,473	2,775	3,485
Other	269	Q	Q	Q	N	Q	Q	Q	Q
Refrigeration Equipment (more than one may apply)^a									
Any Refrigeration.....	52,974	4,333	4,738	8,646	7,068	8,038	8,096	6,238	5,816
Commercial Refrigeration	26,768	1,310	1,406	2,230	2,829	4,291	5,116	4,606	4,979
Walk-In Units	20,254	916	909	1,188	1,626	3,124	4,148	4,199	4,146
Cases or Cabinets	20,424	1,100	1,116	1,893	2,185	2,978	3,890	3,270	3,991
Residential-Type Units	38,884	3,174	3,609	6,725	5,289	5,760	5,667	4,524	4,136
Vending Machines	35,335	830	1,407	4,072	4,910	6,342	6,578	5,691	5,506
No Refrigeration	11,809	2,456	1,847	2,889	1,600	1,019	968	938	Q
Office Equipment (more than one may apply)									
Computers	55,627	3,950	4,777	9,418	7,966	8,680	8,262	6,759	5,816
With Flat Screen Monitors	26,417	861	1,312	3,027	3,385	3,765	4,501	4,861	4,704
Dedicated Servers	36,338	1,211	1,579	4,642	4,871	6,200	6,295	6,091	5,448
Laser Printers	33,012	2,565	3,033	6,052	5,190	5,342	4,518	3,527	2,785
Inkjet Printers	32,210	1,648	2,174	4,979	4,581	5,171	5,083	4,041	4,534
FAX Machines	52,373	3,443	4,077	8,408	7,442	8,424	8,266	6,498	5,816
Photocopiers	46,257	2,066	3,101	6,993	6,772	7,669	7,949	6,358	5,349

Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Number of Computers									
None	9,156	2,839	1,808	2,117	702	377	Q	Q	Q
1 to 4	12,395	2,660	2,707	3,643	1,296	904	799	Q	N
5 to 9	7,179	706	1,019	2,035	1,284	1,109	511	Q	Q
10 to 19	6,610	475	556	1,420	1,427	1,208	983	Q	Q
20 to 49	7,414	Q	487	1,498	1,850	1,291	1,015	849	Q
50 to 99	5,376	Q	Q	659	1,218	1,420	880	784	Q
100 to 249	6,690	Q	N	Q	823	2,180	1,943	1,228	Q
250 or More	9,963	N	N	N	Q	568	2,129	2,828	4,370
Number of Dedicated Servers									
None	28,445	5,578	5,006	6,893	3,798	2,857	2,769	1,085	Q
1 to 4	24,116	1,189	1,478	4,173	4,034	4,810	4,085	3,426	921
5 to 9	3,864	Q	Q	Q	451	744	764	667	874
10 to 19	3,027	Q	Q	Q	Q	370	725	878	767
20 to 49	2,583	N	N	Q	Q	Q	523	475	1,103
50 or More	2,748	N	N	Q	Q	Q	Q	645	1,783
Number of Photocopiers									
None	18,526	4,723	3,484	4,542	1,897	1,388	1,115	Q	Q
One	15,475	1,621	2,196	4,169	2,706	2,118	1,525	897	Q
2 to 4	15,082	411	846	2,373	3,006	3,529	3,129	1,402	Q
5 to 9	5,515	Q	Q	360	636	1,037	1,526	1,600	Q
10 or More	10,185	N	N	Q	425	985	1,770	2,459	4,456
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	22,223	996	1,136	1,954	2,500	3,575	3,991	4,047	4,025
Activities with Large Amounts of Hot Water	19,482	456	1,021	1,865	2,506	3,183	3,754	3,393	3,303
Separate Computer Area	26,873	361	608	2,211	3,365	4,857	5,204	5,175	5,092
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	19,597	466	583	1,492	2,059	3,184	4,173	3,848	3,792
Economizer Cycle	21,108	509	593	1,618	2,180	3,419	4,655	4,244	3,891
HVAC Maintenance	51,163	3,363	3,770	7,883	7,144	7,984	8,448	6,822	5,749
Energy Management and Control System (EMCS)	15,630	166	197	850	1,493	2,629	3,682	3,079	3,532
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	38,910	2,978	3,265	6,589	5,040	5,692	6,386	4,645	4,315
Tinted Window Glass	29,887	1,580	2,211	4,134	3,633	4,413	4,880	4,559	4,477
Reflective Window Glass	8,544	387	309	986	967	979	1,588	1,565	1,763
External Overhangs or Awnings	17,242	1,709	1,946	3,208	2,551	2,109	2,473	2,044	1,203
Skylights or Atriums	12,546	351	406	1,095	1,443	2,080	2,360	2,794	2,016
Daylighting Sensors	2,868	Q	Q	Q	206	376	445	675	744
Specular Reflectors	26,118	1,010	1,175	2,856	3,599	3,603	4,186	4,932	4,758
Electronic Ballasts	46,882	3,450	3,896	6,942	6,331	7,158	7,105	6,450	5,550
Energy Management and Control System (EMCS) for Lighting	4,781	Q	Q	Q	405	601	892	1,126	1,519

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Table B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Building Size							
		1,001 to 5,000 Square Feet	5,001 to 10,000 Square Feet	10,000 to 25,000 Square Feet	25,001 to 50,000 Square Feet	50,001 to 100,000 Square Feet	100,001 to 200,000 Square Feet	200,001 to 500,000 Square Feet	Over 500,000 Square Feet
All Buildings*	64,783	6,789	6,585	11,535	8,668	9,057	9,064	7,176	5,908
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a									
Heating	42,722	4,120	4,041	7,629	5,654	6,193	5,841	4,918	4,325
Cooling	43,205	3,819	3,979	7,515	6,038	6,185	6,088	5,236	4,346
Lighting	46,987	5,331	5,358	9,553	6,830	6,792	6,346	4,012	2,765
Office Equipment	19,397	2,164	2,319	4,276	3,124	2,917	2,504	1,701	Q

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.

Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Building Floorspace (Square Feet)									
1,001 to 5,000	2,552	174	315	331	298	350	438	481	165
5,001 to 10,000	889	71	107	90	120	180	98	158	66
10,001 to 25,000	738	55	64	90	95	122	103	151	58
25,001 to 50,000	241	19	23	26	33	48	32	39	21
50,001 to 100,000	129	7	9	14	22	16	20	28	13
100,001 to 200,000	65	Q	5	8	8	10	10	15	8
200,001 to 500,000	25	Q	4	2	3	4	4	4	2
Over 500,000	7	Q	1	1	0	1	2	1	Q
Principal Building Activity									
Education	386	12	26	78	60	58	44	75	32
Food Sales	226	Q	Q	Q	Q	Q	33	56	Q
Food Service	297	32	34	30	Q	46	46	66	Q
Health Care	129	Q	10	25	10	16	19	36	10
Inpatient	8	Q	Q	Q	1	2	2	0	Q
Outpatient	121	Q	Q	Q	Q	14	18	36	Q
Lodging	142	Q	11	17	25	25	21	30	6
Retail (Other Than Mall).....	443	37	66	62	59	90	44	68	17
Office	824	70	85	75	116	145	153	142	39
Public Assembly	277	31	36	45	30	44	31	42	18
Public Order and Safety	71	Q	Q	Q	Q	Q	Q	21	Q
Religious Worship	370	65	52	58	54	41	43	35	23
Service	622	Q	90	59	75	117	108	110	42
Warehouse and Storage	597	20	39	44	47	78	108	164	98
Other	79	Q	Q	Q	Q	Q	Q	17	Q
Vacant	182	Q	35	Q	Q	Q	Q	Q	Q
Census Region									
Northeast	726	122	121	105	108	71	97	69	31
Midwest	1,266	139	163	157	131	196	163	228	90
South	1,775	47	152	161	192	297	351	411	163
West	878	21	91	138	148	167	95	168	51
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	855	113	80	103	114	131	104	148	63
5,500-7,000 HDD	1,173	130	155	167	146	185	162	170	57
4,000-5,499 HDD	673	49	103	84	85	95	94	115	46
Fewer than 4,000 HDD	1,276	31	126	167	152	232	192	280	95
2,000 CDD or More and --									
Fewer than 4,000 HDD	669	Q	64	40	81	88	153	163	73
Number of Floors									
One	3,136	80	236	374	402	536	536	699	272
Two	1,031	116	187	135	122	148	130	141	51
Three	339	92	78	46	42	32	21	23	5
Four to Nine	128	41	25	6	10	13	16	11	6
Ten or More	12	Q	2	1	2	1	3	Q	Q

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Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Elevators and Escalators (more than one may apply)									
Any Elevators	309	36	42	25	37	49	42	46	32
Number of Elevators									
One	208	26	33	18	25	31	20	30	24
Two to Five	88	8	7	5	10	16	19	14	8
Six or More	13	Q	1	1	1	2	3	2	Q
Any Escalators	6	Q	Q	Q	Q	Q	Q	Q	Q
Number of Workers (main shift)									
Fewer than 5	2,653	203	325	344	331	394	383	481	192
5 to 9	778	62	97	90	87	118	148	128	49
10 to 19	563	30	51	61	74	91	69	135	49
20 to 49	398	21	37	46	48	85	54	83	25
50 to 99	147	11	10	14	21	23	30	26	13
100 to 249	77	Q	5	5	14	15	14	18	4
250 or More	30	Q	2	2	3	5	9	6	2
Weekly Operating Hours									
Fewer than 40	1,002	115	127	156	130	100	150	150	73
40 to 48	1,117	72	144	144	122	202	161	212	60
49 to 60	1,062	62	121	127	139	175	192	181	65
61 to 84	591	44	75	65	75	126	66	91	50
85 to 167	400	25	36	33	51	52	60	106	37
Open Continuously	475	12	24	37	63	76	77	136	49
Ownership and Occupancy									
Nongovernment Owned	4,011	304	461	463	482	638	624	759	280
Owner Occupied	1,841	168	222	213	242	286	273	327	110
Nonowner Occupied	2,029	125	206	227	224	334	326	423	163
Unoccupied	141	Q	Q	Q	Q	Q	Q	Q	Q
Government Owned	635	25	67	99	97	92	83	117	55
Federal	46	Q	8	Q	Q	Q	Q	Q	Q
State	164	Q	15	22	28	25	24	30	Q
Local	425	19	44	74	56	60	55	84	33
Vacancy Status									
Completely Vacant	157	Q	35	Q	Q	Q	Q	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	548	57	72	57	52	58	85	113	54
Not At All Vacant	3,915	255	420	475	499	654	591	749	271
Number of Establishments									
One	3,754	248	402	449	479	599	545	746	286
2 to 5	643	61	84	78	74	92	111	106	37
6 to 10	55	Q	Q	Q	7	12	12	Q	Q
11 to 20	23	Q	Q	Q	Q	7	4	Q	Q
More than 20	14	Q	Q	Q	Q	3	4	Q	Q
Currently Unoccupied	157	Q	35	Q	Q	Q	Q	Q	Q

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Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Predominant Exterior Wall Material									
Brick, Stone or Stucco	2,044	195	348	273	265	296	257	303	107
Concrete (Block or Poured)	786	23	65	170	136	126	99	111	58
Concrete Panels	131	Q	Q	Q	9	30	33	21	19
Siding or Shingles	779	100	83	71	92	96	109	188	40
Metal Panels	825	Q	Q	32	66	172	196	236	104
Window Glass	17	N	Q	Q	Q	Q	2	Q	Q
Other	47	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	18	Q	Q	Q	Q	Q	Q	Q	Q
Predominant Roof Material									
Built-Up	1,036	64	178	156	157	178	127	141	35
Shingles (Not Wood)	1,325	132	134	178	186	190	200	225	80
Metal Surfacing	1,288	39	65	76	110	224	250	349	174
Synthetic or Rubber	511	61	79	69	72	72	72	59	27
Slate or Tile	263	21	47	36	Q	31	25	75	Q
Wooden Materials	122	Q	Q	Q	Q	Q	Q	Q	Q
Concrete	61	N	Q	Q	Q	Q	9	Q	Q
Other	16	N	N	Q	Q	Q	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation									
Since 1980	1,018	156	201	225	199	237	N	N	N
Addition or Annex	256	21	37	48	65	85	N	N	N
Reduction In Floorspace	22	Q	Q	Q	Q	Q	N	N	N
Cosmetic Improvements	741	127	156	174	138	146	N	N	N
Wall or Roof Replacement	370	53	81	84	74	78	N	N	N
Interior Wall									
Re-Configuration	411	73	79	85	74	99	N	N	N
HVAC Equipment Upgrade	442	70	89	107	75	100	N	N	N
Lighting Upgrade	455	80	100	109	82	84	N	N	N
Window Replacement	310	63	70	74	50	53	N	N	N
Plumbing System Upgrade	315	52	78	84	48	53	N	N	N
Insulation Upgrade	227	46	46	60	29	47	N	N	N
Other Renovation	19	Q	Q	Q	Q	Q	N	N	N
No Renovations Since 1980	1,710	173	326	337	380	494	N	N	N
Building Newer than 1980	1,917	N	N	N	N	N	707	876	334
Energy Sources (more than one may apply)									
Electricity	4,404	318	499	541	571	700	668	809	298
Natural Gas	2,391	200	338	313	309	391	303	419	118
Fuel Oil	451	75	52	75	61	59	63	49	17
District Heat	67	6	12	15	13	6	5	8	Q
District Chilled Water	33	Q	Q	4	4	5	5	8	Q
Propane	502	43	37	52	63	68	90	95	54
Other	132	Q	Q	Q	21	49	Q	Q	Q

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Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Energy End Uses (more than one may apply)									
Buildings with Space Heating	3,982	302	442	493	524	648	618	719	236
Buildings with Cooling	3,625	232	382	430	467	609	577	695	234
Buildings with Water Heating	3,472	266	367	416	444	582	531	642	224
Buildings with Cooking	801	71	87	119	92	112	112	144	65
Buildings with Manufacturing	119	Q	Q	Q	17	28	14	19	Q
Buildings with Electricity Generation	149	8	8	13	16	28	38	26	12
Percent of Floorspace Heated									
Not Heated	663	27	85	69	55	83	88	157	98
1 to 50	523	48	60	55	65	68	84	93	50
51 to 99	498	55	70	70	52	82	73	78	18
100	2,962	200	312	368	407	497	460	549	168
Percent of Floorspace Cooled									
Not Cooled	1,020	98	146	132	112	121	129	181	100
1 to 50	985	95	107	125	131	146	151	165	65
51 to 99	629	50	79	81	64	133	90	97	35
100	2,011	87	196	224	272	331	335	433	133
Percent Lit When Open									
Zero	47	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	929	117	113	125	131	106	131	159	47
51 to 99	1,108	81	124	134	133	199	167	192	77
100	2,176	102	233	253	279	380	348	429	153
Building Never Open/ Electricity Not Used	386	27	54	48	Q	42	56	84	40
Percent Lit When Closed									
Zero	1,964	171	213	225	255	330	282	334	153
1 to 50	1,882	125	243	266	240	283	285	347	91
51 to 100	136	Q	Q	Q	18	17	26	19	Q
Building Never Closed/ Electricity Not Used	664	24	52	58	66	101	114	176	73
Heating Equipment (more than one may apply)									
Heat Pumps	476	Q	31	44	50	82	102	120	39
Packaged Heat Pumps	278	Q	Q	25	30	60	63	59	25
Split-System Heat Pumps	166	Q	Q	Q	14	24	33	55	Q
Individual Room Heat Pumps	58	Q	Q	9	Q	6	10	11	6
Furnaces	1,864	151	235	259	242	330	252	299	96
Individual Space Heaters	819	65	72	120	114	130	119	152	47
District Heat	65	Q	12	13	13	6	4	8	Q
Boilers	579	105	103	98	82	65	43	56	27
Packaged Heating Units	953	25	63	79	106	176	209	226	70
Other	205	Q	Q	Q	24	40	40	35	15

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Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	1,006	83	135	115	112	157	165	184	55
Heat Pumps	492	Q	36	48	50	77	105	122	46
Packaged Heat Pumps	288	Q	Q	27	30	55	66	63	26
Split-System Heat Pumps	174	Q	Q	Q	14	24	33	53	Q
Individual Room Heat Pumps	58	Q	Q	9	Q	6	10	11	7
Individual Air Conditioners	742	82	109	124	130	121	90	72	14
District Chilled Water	33	Q	Q	4	4	5	5	8	Q
Central Chillers	111	4	8	11	22	24	19	16	8
Packaged Air Conditioning									
Units	1,613	81	147	180	201	294	251	334	125
Swamp Coolers	122	Q	Q	Q	Q	35	18	19	Q
Other	40	Q	Q	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	1,197	117	177	189	211	290	212	N	N
Cooling	1,356	133	198	230	250	319	227	N	N
Lighting Equipment Types (more than one may apply)									
Incandescent	2,184	229	276	294	295	362	294	327	109
Standard Fluorescent	3,943	272	447	491	517	651	598	726	242
Compact Fluorescent	941	75	113	110	111	151	136	177	69
High Intensity Discharge	455	17	34	55	45	81	65	116	42
Halogen	565	55	48	62	51	83	76	128	63
Other	8	Q	N	Q	Q	Q	Q	Q	Q
Refrigeration Equipment (more than one may apply)									
Any Refrigeration.....	3,176	243	342	401	396	511	487	598	199
Commercial Refrigeration	1,007	77	111	140	112	155	145	189	78
Walk-In Units	666	52	61	71	78	109	109	129	58
Cases or Cabinets	825	69	92	115	94	121	118	156	59
Residential-Type Units	2,370	201	256	308	300	379	365	428	134
Vending Machines	996	40	93	114	156	175	148	205	65
No Refrigeration	1,469	87	186	161	183	220	220	278	136
Office Equipment (more than one may apply)									
Computers	3,081	198	320	343	398	512	491	609	210
With Flat Screen Monitors	877	41	93	83	117	165	148	169	60
Dedicated Servers	1,175	56	107	101	154	219	212	235	90
Laser Printers	1,970	132	206	228	272	337	298	368	128
Inkjet Printers	1,420	86	127	145	165	261	239	303	95
FAX Machines	2,715	172	304	293	352	457	431	544	162
Photocopiers	1,939	132	215	226	250	314	296	371	135

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Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Number of Computers									
None	1,565	132	207	219	181	218	216	267	125
1 to 4	1,670	124	187	204	218	243	263	318	113
5 to 9	559	34	62	52	69	100	94	113	34
10 to 19	370	21	24	28	49	69	53	96	30
20 to 49	255	12	28	31	24	64	35	46	15
50 to 99	110	Q	12	17	18	15	24	14	8
100 to 249	79	4	5	9	14	13	14	14	6
250 or More	38	Q	3	3	5	8	9	7	3
Number of Dedicated Servers									
None	3,471	273	420	460	426	512	495	640	244
1 to 4	1,060	51	100	92	136	202	183	214	83
5 to 9	58	Q	Q	Q	8	7	12	13	5
10 to 19	30	Q	Q	Q	4	Q	9	6	Q
20 to 49	17	Q	Q	Q	2	5	6	Q	Q
50 or More	10	Q	Q	Q	Q	1	2	1	Q
Number of Photocopiers									
None	2,706	198	312	336	329	417	411	504	200
One	1,250	92	145	159	163	184	165	258	84
2 to 4	549	34	59	55	67	103	103	85	43
5 to 9	85	Q	9	4	13	17	15	19	5
10 or More	54	Q	3	7	7	11	13	9	3
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	799	71	87	118	90	112	112	144	65
Activities with Large Amounts of Hot Water	567	33	63	82	69	97	59	117	46
Separate Computer Area	553	27	48	57	73	88	104	109	47
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	466	16	34	42	38	85	76	126	48
Economizer Cycle	508	18	29	45	53	103	93	105	61
HVAC Maintenance	2,581	170	275	293	327	416	413	511	176
Energy Management and Control System (EMCS)	252	7	20	24	33	29	48	66	26
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	2,201	156	196	232	225	332	373	500	186
Tinted Window Glass	1,323	67	115	128	144	228	261	276	105
Reflective Window Glass	308	13	23	33	26	42	63	74	34
External Overhangs or Awnings	1,233	88	132	138	165	223	190	215	81
Skylights or Atriums	331	21	38	30	30	49	60	70	33
Daylighting Sensors	74	Q	Q	Q	Q	14	13	18	4
Specular Reflectors	928	55	93	98	112	143	152	186	89
Electronic Ballasts	2,577	155	274	296	311	439	386	519	196
Energy Management and Control System (EMCS) for Lighting	60	Q	Q	Q	6	7	10	24	6

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Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	4,645	330	527	562	579	731	707	876	334
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a									
Heating	2,878	217	317	386	380	473	427	500	179
Cooling	2,761	178	292	360	368	454	418	514	177
Lighting	3,685	273	429	463	475	603	542	659	241
Office Equipment	1,504	104	172	192	189	239	228	277	104

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.

Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Building Floorspace (Square Feet)									
1,001 to 5,000	6,789	490	796	860	690	966	1,149	1,324	515
5,001 to 10,000	6,585	502	827	643	865	1,332	721	1,209	486
10,001 to 25,000	11,535	804	988	1,421	1,460	1,869	1,647	2,388	958
25,001 to 50,000	8,668	677	838	935	1,234	1,720	1,174	1,352	739
50,001 to 100,000	9,057	491	641	927	1,483	1,146	1,390	2,058	921
100,001 to 200,000	9,064	Q	704	1,148	1,039	1,411	1,496	1,934	1,060
200,001 to 500,000	7,176	Q	1,288	569	947	1,243	1,237	984	609
Over 500,000	5,908	Q	790	541	382	1,085	1,518	1,111	Q
Principal Building Activity									
Education	9,874	410	1,036	1,744	1,665	1,410	1,284	1,546	778
Food Sales	1,255	Q	Q	Q	Q	Q	188	281	Q
Food Service	1,654	281	138	194	Q	227	182	327	Q
Health Care	3,163	Q	203	445	395	754	522	578	185
Inpatient	1,905	Q	Q	318	304	556	358	161	Q
Outpatient	1,258	Q	Q	Q	Q	197	164	416	Q
Lodging	5,096	Q	Q	276	744	840	980	807	489
Retail (Other Than Mall).....	4,317	220	445	360	543	900	361	1,080	407
Office	12,208	749	1,186	917	1,335	2,162	3,296	1,913	650
Public Assembly	3,939	323	353	780	408	594	448	734	301
Public Order and Safety	1,090	Q	Q	Q	Q	Q	Q	327	Q
Religious Worship	3,754	586	334	603	502	412	414	566	338
Service	4,050	Q	473	440	447	996	511	777	263
Warehouse and Storage	10,078	254	1,208	567	1,051	1,462	1,501	2,723	1,312
Other	1,738	Q	Q	Q	Q	Q	Q	492	Q
Vacant	2,567	Q	465	Q	Q	Q	Q	Q	Q
Census Region									
Northeast	12,905	1,406	2,504	2,094	1,737	1,723	1,374	1,370	698
Midwest	17,080	1,552	2,099	2,027	2,229	3,237	1,949	2,746	1,240
South	23,489	516	1,348	1,795	2,538	3,726	4,768	6,241	2,557
West	11,310	295	920	1,128	1,597	2,086	2,241	2,004	1,038
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	10,622	1,227	1088	1075	1,405	2,215	1031	1,838	742
5,500-7,000 HDD	17,335	1,407	2,217	2,445	2,302	2,967	2,357	2,492	1,148
4,000-5,499 HDD	11,504	731	1,960	1,388	1,509	1,729	1,673	1,602	912
Fewer than 4,000 HDD	15,739	281	1,218	1,596	1,883	2,508	3,115	3,741	1,396
2,000 CDD or More and --									
Fewer than 4,000 HDD	9,584	Q	388	541	1,001	1,354	2,156	2,687	1,334
Number of Floors									
One	25,981	348	1,730	2,771	3,474	4,484	3,856	6,577	2,742
Two	16,270	913	1,539	2,095	2,188	2,977	2,336	2,976	1,245
Three	7,501	856	1,396	1,218	795	946	724	960	605
Four to Nine	10,085	1,393	1,525	485	1,013	1,570	1,924	1,485	690
Ten or More	4,947	Q	681	475	630	797	1,492	Q	Q

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Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Elevators and Escalators (more than one may apply)									
Any Elevators	24,617	1,624	2,976	1,989	2,914	3,790	4,941	4,093	2,290
Number of Elevators									
One	8,221	588	998	806	1,164	1,103	981	1,687	893
Two to Five	10,129	815	1,334	672	1,123	1,501	2,168	1,577	939
Six or More	6,268	Q	644	512	626	1,187	1,792	830	Q
Any Escalators	2,350	Q	Q	Q	Q	Q	Q	Q	Q
Number of Workers (main shift)									
Fewer than 5	15,492	1,262	2,211	1,897	1,967	2,456	1,625	2,644	1,431
5 to 9	6,166	524	608	634	642	1,016	1,035	1,206	500
10 to 19	7,803	481	1,053	896	825	1,331	889	1,565	763
20 to 49	10,989	713	909	1,536	1,408	1,886	1,274	2,289	973
50 to 99	7,934	400	668	712	1,201	1,092	1,432	1,557	871
100 to 249	6,871	Q	518	604	1,145	1,230	1,403	1,338	471
250 or More	9,528	Q	903	767	913	1,760	2,674	1,760	524
Weekly Operating Hours									
Fewer than 40	6,863	811	841	888	990	977	830	900	625
40 to 48	11,622	563	1,339	1,725	1,200	1,987	1,891	2,103	813
49 to 60	15,723	898	2,058	1,608	2,217	2,522	2,643	2,749	1,028
61 to 84	10,334	615	1,009	1,105	1,103	1,778	1,734	1,950	1,041
85 to 167	7,092	337	398	619	855	1,157	846	1,974	906
Open Continuously	13,149	545	1,227	1,100	1,735	2,351	2,388	2,684	1,120
Ownership and Occupancy									
Nongovernment Owned	49,421	3,119	4,879	4,994	5,660	8,167	8,564	9,529	4,508
Owner Occupied	23,591	1,716	2,883	2,514	2,917	3,410	4,095	4,039	2,016
Nonowner Occupied	23,914	1,357	1,997	2,252	2,452	4,315	4,336	5,289	2,315
Unoccupied	1,916	Q	Q	Q	Q	Q	Q	Q	Q
Government Owned	15,363	650	1,992	2,050	2,441	2,605	1,768	2,830	1,025
Federal	1,956	Q	Q	Q	333	Q	Q	Q	Q
State	3,808	Q	282	377	819	738	566	713	Q
Local	9,599	440	1,020	1,551	1,289	1,572	1,094	1,758	874
Vacancy Status									
Completely Vacant	2,161	Q	465	Q	Q	Q	Q	Q	Q
Mostly Vacant	406	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	12,382	994	1,623	1,063	1,342	1,751	2,599	1,953	1,056
Not At All Vacant	49,834	2,519	4,784	5,629	6,283	8,568	7,581	10,197	4,272
Number of Establishments									
One	45,144	2,460	4,557	5,229	5,582	7,604	6,287	9,151	4,273
2 to 5	10,960	788	997	1,145	1,476	1,552	2,142	2,080	780
6 to 10	1,958	Q	Q	Q	306	297	387	Q	Q
11 to 20	1,951	Q	Q	Q	Q	277	491	Q	Q
More than 20	2,609	Q	Q	Q	Q	600	882	Q	Q
Currently Unoccupied	2,161	Q	465	Q	Q	Q	Q	Q	Q

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Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Predominant Exterior Wall Material									
Brick, Stone or Stucco	32,817	2,987	5,611	4,324	4,157	4,469	4,435	4,960	1,874
Concrete (Block or Poured)	10,832	178	784	1,734	1,936	1,964	1,546	1,615	1,075
Concrete Panels	6,559	Q	Q	Q	557	1,362	1,676	1,740	1059
Siding or Shingles	4,120	518	325	343	409	595	522	1,179	228
Metal Panels	7,912	Q	Q	439	747	1,757	1,512	2,356	1016
Window Glass	1,024	N	Q	Q	Q	Q	289	Q	Q
Other	1,113	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	Q	Q	Q	Q	Q	Q
Predominant Roof Material									
Built-Up	21,170	1,202	2,825	2,619	3,154	3,875	3,538	3,020	937
Shingles (Not Wood)	10,195	1,171	878	1,298	1,304	1,415	1,450	1,829	849
Metal Surfacing	11,944	218	328	526	994	1,955	2,014	4,101	1,807
Synthetic or Rubber	14,730	658	1,328	1,544	2,160	2,581	2,218	2,656	1,584
Slate or Tile	2,462	293	562	330	Q	341	239	388	Q
Wooden Materials	887	Q	Q	Q	Q	Q	Q	Q	Q
Concrete	2,231	N	Q	Q	Q	Q	365	Q	Q
Other	598	N	N	Q	Q	Q	Q	Q	Q
No One Major Type	565	Q	Q	Q	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation									
Since 1980	17,844	1,861	3,353	3,932	3,805	4,893	N	N	N
Addition or Annex	6,551	517	934	1,618	1,433	2,048	N	N	N
Reduction In Floorspace	1,012	Q	Q	Q	Q	Q	N	N	N
Cosmetic Improvements	13,119	1,490	2,460	2,801	2,958	3,410	N	N	N
Wall or Roof Replacement	8,070	700	1,549	1,919	1,910	1,993	N	N	N
Interior Wall									
Re-Configuration	8,518	823	1,713	1,655	1,957	2,370	N	N	N
HVAC Equipment Upgrade	10,768	951	2,196	2,289	2,616	2,716	N	N	N
Lighting Upgrade	10,275	1,076	2,141	2,266	2,359	2,433	N	N	N
Window Replacement	6,354	759	1,626	1,706	1,209	1,054	N	N	N
Plumbing System Upgrade	7,144	730	1,671	1,611	1,603	1,527	N	N	N
Insulation Upgrade	4,015	565	911	736	934	869	N	N	N
Other Renovation	523	Q	Q	Q	Q	Q	N	N	N
No Renovations Since 1980	18,714	1,908	3,518	3,113	4,296	5,879	N	N	N
Building Newer than 1980	28,225	N	N	N	N	N	10,332	12,360	5,533
Energy Sources (more than one may apply)									
Electricity	63,307	3,730	6,595	6,838	8,057	10,555	10,154	12,078	5,299
Natural Gas	43,468	2,759	4,679	4,659	5,635	7,659	6,469	8,177	3,431
Fuel Oil	15,157	961	1,986	2,048	1,685	2,187	3,079	2,086	1,125
District Heat	5,443	294	1,207	705	853	588	888	705	Q
District Chilled Water	2,853	Q	Q	359	446	456	531	804	Q
Propane	7,076	338	961	726	746	1,222	922	1,428	733
Other	1,401	Q	Q	Q	281	401	Q	Q	Q

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Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Energy End Uses (more than one may apply)									
Buildings with Space Heating	60,028	3,667	6,236	6,534	7,510	10,223	9,808	11,254	4,796
Buildings with Cooling	56,940	2,891	4,919	6,045	7,125	9,973	9,836	11,304	4,848
Buildings with Water Heating	56,478	3,353	5,292	5,924	7,202	9,787	9,420	10,816	4,683
Buildings with Cooking	22,237	1,362	2,242	3,156	2,669	3,431	3,677	3,597	2,104
Buildings with Manufacturing	3,138	Q	Q	Q	514	537	429	572	Q
Buildings with Electricity Generation	12,821	232	852	1,210	1,442	2,275	3,238	2,401	1,171
Percent of Floorspace Heated									
Not Heated	4,756	102	635	511	591	549	524	1,106	737
1 to 50	6,850	635	819	506	557	998	1,054	1,370	911
51 to 99	8,107	676	1,066	869	867	1,248	1,361	1,480	540
100	45,071	2,356	4,351	5,159	6,086	7,978	7,394	8,403	3,345
Percent of Floorspace Cooled									
Not Cooled	7,843	878	1,952	999	976	799	496	1,056	686
1 to 50	16,598	1,320	1,990	2,083	2,202	2,751	2,061	3,000	1,190
51 to 99	13,211	728	1,445	1,490	1,734	2,112	2,324	2,421	956
100	27,132	842	1,484	2,473	3,189	5,110	5,450	5,883	2,701
Percent Lit When Open									
Zero	293	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	10,203	1,264	1,417	1,295	1,456	1,117	1,193	1,653	808
51 to 99	18,288	1,132	1,731	2,026	2,437	3,487	3,077	3,074	1,324
100	32,789	1,132	3,166	3,313	3,824	5,645	5,752	7,024	2,933
Building Never Open/ Electricity Not Used	3,210	225	530	400	Q	516	291	494	389
Percent Lit When Closed									
Zero	17,385	1,538	1,962	1,699	1,988	2,965	2,065	3,309	1,860
1 to 50	30,948	1,587	3,289	3,977	4,114	5,001	5,317	5,535	2,127
51 to 100	2,093	Q	Q	Q	260	274	427	659	Q
Building Never Closed/ Electricity Not Used	14,357	584	1,503	1,307	1,739	2,532	2,523	2,857	1,311
Heating Equipment (more than one may apply)									
Heat Pumps	8,814	Q	622	848	827	1,378	2,018	1,974	999
Packaged Heat Pumps	5,442	Q	Q	540	512	1,019	1,528	1,031	556
Split-System Heat Pumps	2,581	Q	Q	Q	336	426	451	738	Q
Individual Room Heat Pumps	2,691	Q	Q	283	Q	238	626	442	446
Furnaces	19,615	1,350	2,085	2,475	2,346	3,612	2,418	3,971	1,359
Individual Space Heaters	12,545	782	1,427	1,442	1,469	2,393	1,799	2,433	800
District Heat	5,166	Q	1,203	661	786	573	780	691	Q
Boilers	20,423	1,926	2,744	3,081	2,957	3,339	2,803	2,257	1,316
Packaged Heating Units	18,021	390	979	1,422	1,993	3,443	3,816	4,067	1,911
Other	3,262	Q	Q	Q	242	779	641	814	401

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Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	11,035	722	1,573	1,175	1,421	1,961	1,397	2,066	720
Heat Pumps	9,041	Q	653	888	794	1,392	2,055	2,038	1,064
Packaged Heat Pumps	5,426	Q	Q	527	479	997	1,522	987	582
Split-System Heat Pumps	2,606	Q	Q	Q	336	400	468	693	Q
Individual Room Heat Pumps	2,940	Q	Q	283	Q	298	698	581	460
Individual Air Conditioners	12,558	1,278	1,534	2,594	1,888	2,065	1,342	1,366	492
District Chilled Water	2,853	Q	Q	359	446	456	531	804	Q
Central Chillers	11,636	392	1,063	891	1,776	2,323	2,801	1,426	963
Packaged Air Conditioning Units	29,969	1,198	2,847	3,023	3,596	5,400	4,855	6,264	2,787
Swamp Coolers	1,561	Q	Q	Q	Q	483	324	252	Q
Other	1,232	Q	Q	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	16,403	1,309	2,176	2,567	2,983	4,287	3,080	N	N
Cooling	20,995	1,714	2,560	3,412	4,169	5,275	3,865	N	N
Lighting Equipment Types (more than one may apply)									
Incandescent	38,528	2,663	4,107	4,324	4,866	7,003	6,213	6,466	2,885
Standard Fluorescent	59,688	3,430	6,078	6,488	7,739	10,048	9,743	11,358	4,803
Compact Fluorescent	27,571	1,300	2,827	2,461	3,605	4,613	5,286	4,899	2,581
High Intensity Discharge	20,643	536	2,351	2,105	2,284	3,530	3,417	4,419	2,002
Halogen	17,703	881	1,225	1,973	1,798	2,921	3,384	3,352	2,169
Other	269	Q	N	Q	Q	Q	Q	Q	Q
Refrigeration Equipment (more than one may apply)									
Any Refrigeration	52,974	2,939	5,006	6,028	6,610	8,830	8,725	10,347	4,488
Commercial Refrigeration	26,768	1,297	2,580	3,544	3,090	4,422	4,728	4,568	2,539
Walk-In Units	20,254	990	1,853	2,399	2,324	3,461	3,840	3,341	2,046
Cases or Cabinets	20,424	951	1,829	2,712	2,452	3,517	3,659	3,390	1,914
Residential-Type Units	38,884	2,323	4,088	4,700	4,898	6,412	6,253	7,130	3,081
Vending Machines	35,335	1,074	3,426	3,332	4,699	6,208	6,219	7,248	3,127
No Refrigeration	11,809	830	1,865	1,017	1,491	1,943	1,607	2,012	1,045
Office Equipment (more than one may apply)									
Computers	55,627	3,008	5,546	5,690	7,076	9,391	9,427	10,778	4,712
With Flat Screen Monitors	26,417	997	2,729	2,275	3,234	4,887	5,227	4,835	2,232
Dedicated Servers	36,338	1,428	3,502	3,207	4,600	6,083	7,254	7,067	3,198
Laser Printers	33,012	1,991	3,431	3,818	4,501	5,719	5,037	5,942	2,574
Inkjet Printers	32,210	1,581	2,518	2,888	3,793	5,648	6,132	6,775	2,875
FAX Machines	52,373	2,692	5,136	5,380	6,501	8,944	9,052	10,428	4,241
Photocopiers	46,257	2,173	4,289	5,011	5,828	7,922	8,081	9,146	3,805

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Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Number of Computers									
None	9,156	761	1,325	1,355	1,025	1,382	905	1,582	821
1 to 4	12,395	1,072	1,389	1,560	1,626	1,920	1,465	2,323	1,040
5 to 9	7,179	353	1,022	749	799	1,143	878	1,653	583
10 to 19	6,610	621	280	367	793	1,315	1,146	1,484	604
20 to 49	7,414	343	591	874	828	1,369	981	1,660	768
50 to 99	5,376	Q	790	633	749	615	1,158	900	346
100 to 249	6,690	321	467	719	1011	1,128	1,138	1,109	798
250 or More	9,963	Q	1,007	789	1,270	1,901	2,661	1,650	573
Number of Dedicated Servers									
None	28,445	2,341	3,370	3,838	3,501	4,690	3,078	5,293	2,335
1 to 4	24,116	1,108	2,196	2,140	3,365	4,122	4,074	4,729	2,383
5 to 9	3,864	Q	Q	329	316	559	733	852	327
10 to 19	3,027	Q	Q	Q	397	426	645	645	Q
20 to 49	2,583	Q	Q	Q	357	580	984	Q	Q
50 or More	2,748	Q	Q	Q	Q	396	819	560	Q
Number of Photocopiers									
None	18,526	1,596	2,582	2,034	2,273	2,850	2,251	3,213	1,728
One	15,475	942	1,517	1,865	1,815	2,473	1,828	3,684	1,351
2 to 4	15,082	897	1,210	1,561	2,115	2,415	2,625	2,850	1,409
5 to 9	5,515	Q	Q	443	828	990	936	1029	476
10 or More	10,185	Q	906	1,142	1,070	2,044	2,692	1,584	570
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	22,223	1,362	2,242	3,145	2,667	3,431	3,677	3,597	2,104
Activities with Large Amounts of Hot Water	19,482	842	1,752	2,318	2,413	3,394	3,332	3,518	1,912
Separate Computer Area	26,873	893	2,605	2,724	3,459	4,548	5,488	4,680	2,476
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	19,597	775	1,163	1,526	2,001	3,338	4,459	4,259	2,076
Economizer Cycle	21,108	645	1,529	1,444	2,519	4,071	4,606	4,113	2,182
HVAC Maintenance	51,163	2,526	5,413	5,145	6,217	8,562	8,728	10,138	4,433
Energy Management and Control System (EMCS)	15,630	365	1,195	1,415	2,156	2,337	3,585	3,069	1,509
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	38,910	2,187	3,565	3,894	3,813	6,000	6,907	8,351	4,193
Tinted Window Glass	29,887	874	2,373	2,319	3,511	5,312	6,267	6,177	3,053
Reflective Window Glass	8,544	264	579	736	674	1,474	1,861	1,706	1,251
External Overhangs or Awnings	17,242	939	1,503	1,705	2,338	2,932	2,878	3,411	1,537
Skylights or Atriums	12,546	566	1,301	800	1,359	1,950	2,821	2,809	941
Daylighting Sensors	2,868	Q	Q	Q	Q	365	758	613	400
Specular Reflectors	26,118	1,184	2,959	2,197	3,166	4,242	4,850	5,080	2,439
Electronic Ballasts	46,882	2,293	4,825	4,820	5,742	7,772	8,207	8,953	4,270
Energy Management and Control System (EMCS) for Lighting	4,781	Q	Q	Q	404	830	1,372	1,095	514

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Table B9. Year Constructed, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
	All Buildings*	Year Constructed							
		1919 or Before	1920 to 1945	1946 to 1959	1960 to 1969	1970 to 1979	1980 to 1989	1990 to 1999	2000 to 2003
All Buildings*	64,783	3,769	6,871	7,045	8,101	10,772	10,332	12,360	5,533
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a									
Heating	42,722	2,432	4,062	5,080	5,661	7,210	7,206	7,755	3,316
Cooling	43,205	2,244	3,884	4,974	5,408	7,177	7,572	8,365	3,580
Lighting	46,987	2,905	4,947	5,495	5,932	7,754	7,266	8,827	3,864
Office Equipment	19,397	1,180	2,143	2,872	2,526	3,017	2,596	3,556	1,506

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/cbeecs>.

* 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.

Table B10. Number of Floors, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						Total Floorspace (million square feet)					
	All Build-ings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors	All Build-ings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors
All Buildings*	4,645	3,136	1,031	339	128	12	64,783	25,981	16,270	7,501	10,085	4,947
Building Floorspace (Square Feet)												
1,001 to 5,000	2,552	2,014	411	115	Q	N	6,789	5,192	1,217	343	Q	N
5,001 to 10,000	889	564	239	70	Q	N	6,585	4,150	1,814	504	Q	N
10,001 to 25,000	738	399	248	74	18	Q	11,535	6,160	3,966	1,115	292	Q
25,001 to 50,000	241	92	77	46	26	Q	8,668	3,296	2,772	1,631	964	Q
50,001 to 100,000	129	46	35	21	25	Q	9,057	3,187	2,456	1,481	1,822	Q
100,001 to 200,000	65	16	13	11	23	3	9,064	2,159	1,896	1,418	3,150	442
200,001 to 500,000	25	4	6	3	8	4	7,176	1,134	1,775	730	2,186	1,350
Over 500,000	7	Q	Q	Q	2	3	5,908	Q	Q	Q	1,516	3,036
Principal Building Activity												
Education	386	281	60	31	14	Q	9,874	3,696	2,911	1,639	1,585	Q
Food Sales	226	183	29	Q	Q	N	1,255	961	263	Q	Q	N
Food Service	297	210	54	28	Q	N	1,654	937	379	176	Q	N
Health Care	129	69	38	14	6	1	3,163	522	523	378	1,178	561
Inpatient	8	Q	Q	Q	3	1	1,905	Q	Q	Q	989	527
Outpatient	121	68	37	Q	3	Q	1,258	441	428	Q	189	Q
Lodging	142	48	52	17	23	3	5,096	646	950	618	2,007	875
Retail (Other Than Mall).....	443	311	103	25	Q	Q	4,317	2,742	932	416	Q	Q
Office	824	441	234	98	44	6	12,208	2,460	2,269	1,810	2,644	3,025
Public Assembly	277	168	81	16	11	Q	3,939	1,448	1,428	308	693	Q
Public Order and Safety	71	50	Q	Q	Q	Q	1,090	371	Q	Q	Q	Q
Religious Worship	370	193	134	40	Q	N	3,754	1,255	1,613	737	Q	N
Service	622	510	95	Q	Q	N	4,050	2,713	1,000	Q	Q	N
Warehouse and Storage	597	493	84	Q	Q	Q	10,078	6,637	2,684	Q	Q	Q
Other	79	57	15	Q	4	Q	1,738	630	375	Q	518	Q
Vacant	182	122	38	Q	Q	N	2,567	963	780	Q	Q	N
Year Constructed												
Before 1920	330	80	116	92	41	Q	3,769	348	913	856	1,393	Q
1920 to 1945	527	236	187	78	25	2	6,871	1,730	1,539	1,396	1,525	681
1946 to 1959	562	374	135	46	6	1	7,045	2,771	2,095	1,218	485	475
1960 to 1969	579	402	122	42	10	2	8,101	3,474	2,188	795	1,013	630
1970 to 1979	731	536	148	32	13	1	10,772	4,484	2,977	946	1,570	797
1980 to 1989	707	536	130	21	16	3	10,332	3,856	2,336	724	1,924	1,492
1990 to 1999	876	699	141	23	11	Q	12,360	6,577	2,976	960	1,485	Q
2000 to 2003	334	272	51	5	6	Q	5,533	2,742	1,245	605	690	Q
Census Region												
Northeast	726	312	230	130	50	4	12,905	3,151	3,029	2,083	3,003	1,640
Midwest	1,266	801	328	107	29	2	17,080	6,104	5,177	2,584	2,660	555
South	1,775	1,381	289	68	33	4	23,489	11,757	4,946	1,938	3,094	1,754
West	878	642	183	35	16	3	11,310	4,969	3,118	896	1,328	999
Climate Zone: 30-Year Average												
Under 2,000 CDD and --												
More than 7,000 HDD	855	526	214	90	25	1	10,622	3,750	3,146	1,664	1,731	330
5,500-7,000 HDD	1,173	677	333	126	34	3	17,335	6,253	4,867	2,643	2,525	1,047
4,000-5,499 HDD	673	400	159	70	40	4	11,504	3,156	2,623	1,228	2,744	1,752
Fewer than 4,000 HDD	1,276	1,017	198	41	17	3	15,739	8,011	3,423	1,473	1,982	850
2,000 CDD or More and --												
Fewer than 4,000 HDD	669	516	127	12	12	2	9,584	4,810	2,210	492	1,103	968

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Table B10. Number of Floors, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						Total Floorspace (million square feet)					
	All Buildings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors	All Buildings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors
All Buildings*	4,645	3,136	1,031	339	128	12	64,783	25,981	16,270	7,501	10,085	4,947
Elevators and Escalators (more than one may apply)												
Any Elevators	309	N	121	91	85	12	24,617	N	5,636	4,758	9,276	4,947
Number of Elevators												
One	208	N	110	69	30	Q	8,221	N	4,446	2,416	1,355	Q
Two to Five	88	N	10	22	51	5	10,129	N	1,129	2,178	5,851	971
Six or More	13	N	Q	Q	5	7	6,268	N	Q	Q	2,069	3,973
Any Escalators	6	N	Q	Q	2	2	2,350	N	Q	Q	631	1,443
Number of Workers (main shift)												
Fewer than 5	2,653	2,005	491	134	23	N	15,492	9,898	3,706	1,282	605	N
5 to 9	778	515	174	77	12	Q	6,166	3,480	1,627	637	404	Q
10 to 19	563	333	162	48	20	Q	7,803	3,538	2,277	942	1,040	Q
20 to 49	398	198	134	40	24	Q	10,989	4,535	3,664	1,325	1,249	Q
50 to 99	147	69	41	19	17	Q	7,934	2,649	2,254	1,321	1,470	Q
100 to 249	77	13	25	18	19	2	6,871	1,250	1,774	1,341	2,134	372
250 or More	30	3	4	3	13	7	9,528	630	968	653	3,182	4,095
Weekly Operating Hours												
Fewer than 40	1,002	736	204	53	8	N	6,863	3,647	2,112	604	499	N
40 to 48	1,117	757	254	81	25	Q	11,622	5,372	3,560	1,408	971	Q
49 to 60	1,062	689	251	88	30	3	15,723	6,878	3,843	1,807	2,031	1,164
61 to 84	591	362	145	61	21	2	10,334	4,008	2,531	1,549	1,372	875
85 to 167	400	304	60	26	10	Q	7,092	3,103	1,938	752	1,127	Q
Open Continuously	475	287	117	31	34	5	13,149	2,974	2,286	1,380	4,084	2,425
Ownership and Occupancy												
Nongovernment Owned	4,011	2,675	921	303	102	10	49,421	20,203	12,450	5,694	6,678	4,396
Owner Occupied	1,841	1,119	478	175	65	4	23,591	8,613	5,914	3,061	3,822	2,181
Nonowner Occupied	2,029	1,454	414	120	36	6	23,914	10,719	5,901	2,402	2,677	2,215
Unoccupied	141	102	29	Q	Q	N	1,916	870	636	Q	Q	N
Government Owned	635	461	110	37	26	2	15,363	5,779	3,819	1,807	3,406	551
Federal	46	35	Q	Q	2	0	1,956	902	Q	Q	650	136
State	164	114	28	9	13	Q	3,808	917	842	349	1,531	Q
Local	425	312	79	22	11	Q	9,599	3,959	2,834	1,332	1,226	Q
Vacancy Status												
Completely Vacant	157	111	33	Q	Q	N	2,161	889	652	Q	Q	N
Mostly Vacant	25	Q	Q	Q	Q	N	406	Q	Q	Q	Q	N
Partially Vacant	548	323	120	57	43	6	12,382	2,671	2,495	1,565	2,791	2,859
Not At All Vacant	3,915	2,691	872	264	82	6	49,834	22,347	12,994	5,544	6,861	2,088
Number of Establishments												
One	3,754	2,670	757	244	79	3	45,144	20,956	11,910	5,084	5,860	1,332
2 to 5	643	333	211	64	31	3	10,960	3,717	2,858	1,279	2,335	772
6 to 10	55	17	19	9	8	Q	1,958	265	527	259	697	Q
11 to 20	23	Q	Q	5	5	1	1,951	Q	Q	481	496	693
More than 20	14	Q	Q	Q	2	3	2,609	Q	Q	Q	345	1,940
Currently Unoccupied	157	111	33	Q	Q	N	2,161	889	652	Q	Q	N

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Table B10. Number of Floors, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						Total Floorspace (million square feet)					
	All Buildings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors	All Buildings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors
All Buildings*	4,645	3,136	1,031	339	128	12	64,783	25,981	16,270	7,501	10,085	4,947
Predominant Exterior Wall Material												
Brick, Stone or Stucco	2,044	1,181	550	221	87	6	32,817	11,171	8,286	4,955	6,221	2,183
Concrete (Block or Poured)	786	586	153	29	15	2	10,832	4,865	3,076	885	1,399	607
Concrete Panels	131	78	32	8	11	2	6,559	2,027	1,475	450	1,510	1,098
Siding or Shingles	779	541	161	70	Q	Q	4,120	2,247	1,121	663	Q	Q
Metal Panels	825	717	98	Q	Q	Q	7,912	5,364	1,836	Q	Q	Q
Window Glass	17	Q	Q	Q	3	Q	1,024	Q	Q	Q	336	Q
Other	47	Q	26	Q	Q	Q	1,113	Q	257	Q	Q	Q
No One Major Type	18	Q	Q	Q	Q	Q	406	Q	Q	Q	Q	Q
Predominant Roof Material												
Built-Up	1,036	635	266	77	52	6	21,170	6,713	5,475	2,370	4,042	2,571
Shingles (Not Wood)	1,325	869	320	113	21	Q	10,195	4,557	3,249	1,305	839	Q
Metal Surfacing	1,288	1,086	172	28	Q	Q	11,944	8,397	2,678	559	Q	Q
Synthetic or Rubber	511	259	145	68	34	4	14,730	4,041	3,241	2,193	3,650	1,605
Slate or Tile	263	144	70	38	11	Q	2,462	793	642	605	385	Q
Wooden Materials	122	76	36	Q	Q	Q	887	363	317	Q	Q	Q
Concrete	61	42	Q	Q	4	Q	2,231	808	Q	Q	Q	Q
Other	16	Q	Q	Q	Q	Q	598	Q	Q	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	Q	565	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)												
Since 1980	1,018	521	308	140	44	5	17,844	4,985	5,121	2,878	3,047	1,812
Addition or Annex	256	146	68	28	13	1	6,551	1,731	2,188	1,024	1,025	582
Reduction In Floorspace	22	Q	Q	Q	Q	Q	1,012	Q	Q	Q	Q	Q
Cosmetic Improvements	741	345	246	110	37	3	13,119	3,416	3,935	1,852	2,442	1,474
Wall or Roof Replacement	370	182	118	50	19	2	8,070	1,892	2,625	1,010	1,525	1,018
Interior Wall												
Re-Configuration	411	183	135	64	25	3	8,518	1,905	2,622	1,024	1,706	1,261
HVAC Equipment Upgrade	442	177	157	72	31	3	10,768	2,362	3,053	1,576	2,302	1,476
Lighting Upgrade	455	202	151	71	27	3	10,275	2,335	3,084	1,448	2,092	1,317
Window Replacement	310	118	110	59	22	1	6,354	1,189	1,965	1,001	1,412	787
Plumbing System Upgrade	315	140	108	45	19	2	7,144	1,510	2,200	782	1,510	1,142
Insulation Upgrade	227	106	75	29	17	1	4,015	1,121	1,154	470	852	417
Other Renovation	19	Q	Q	Q	Q	Q	523	Q	Q	Q	Q	Q
No Renovations Since 1980	1,710	1,107	401	149	51	2	18,714	7,821	4,592	2,333	2,939	1,029
Building Newer than 1980	1,917	1,507	322	50	33	5	28,225	13,174	6,557	2,289	4,099	2,105
Energy Sources (more than one may apply)												
Electricity	4,404	2,919	1,011	333	128	12	63,307	24,935	15,978	7,381	10,065	4,947
Natural Gas	2,391	1,431	617	242	93	9	43,468	14,940	11,441	5,668	7,670	3,749
Fuel Oil	451	209	142	57	34	9	15,157	2,518	2,724	1,914	4,101	3,899
District Heat	67	14	19	11	20	3	5,443	Q	515	458	2,473	1,366
District Chilled Water	33	10	6	4	11	1	2,853	259	302	262	1,458	571
Propane	502	362	98	35	6	Q	7,076	3,403	2,004	923	512	Q
Other	61	35	Q	Q	Q	Q	909	338	Q	Q	Q	Q

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Table B10. Number of Floors, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						Total Floorspace (million square feet)					
	All Buildings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors	All Buildings*	One Floor	Two Floors	Three Floors	Four to Nine Floors	Ten or More Floors
All Buildings*	4,645	3,136	1,031	339	128	12	64,783	25,981	16,270	7,501	10,085	4,947
Energy End Uses (more than one may apply)												
Buildings with Space Heating	3,982	2,566	960	319	125	12	60,028	22,744	15,408	7,198	9,744	4,933
Buildings with Cooling	3,625	2,340	864	290	120	12	56,940	21,419	14,544	6,437	9,673	4,867
Buildings with Water Heating	3,472	2,134	899	304	124	11	56,478	20,164	14,914	6,915	9,688	4,796
Buildings with Cooking	801	462	201	90	42	6	22,237	5,784	5,265	2,909	5,021	3,258
Buildings with Manufacturing	119	79	27	Q	2	Q	3,138	1,127	1,095	Q	305	Q
Buildings with Electricity Generation	149	59	39	19	25	7	12,821	1,835	2,177	1,398	3,914	3,496
Lighting Equipment Types (more than one may apply)												
Incandescent	2,184	1,191	628	254	102	10	38,528	10,640	9,812	5,620	8,192	4,264
Standard Fluorescent	3,943	2,583	916	310	122	11	59,688	22,875	15,172	7,057	9,691	4,893
Compact Fluorescent	941	456	295	108	71	10	27,571	5,431	6,571	3,914	7,324	4,332
High Intensity Discharge	455	260	116	41	32	6	20,643	6,176	4,893	2,582	4,088	2,904
Halogen	565	278	186	53	42	7	17,703	3,811	4,590	2,026	4,145	3,131
Other	8	Q	Q	Q	Q	Q	269	Q	Q	Q	Q	Q
Window and Interior Lighting Features (more than one may apply)												
Multipaned Windows	2,201	1,293	602	216	83	7	38,910	12,346	10,522	5,410	7,340	3,291
Tinted Window Glass	1,323	841	338	90	46	8	29,887	9,736	7,347	3,429	5,541	3,835
Reflective Window Glass	308	193	72	27	13	3	8,544	1,856	2,015	1,353	1,748	1,571
External Overhangs or Awnings	1,233	817	282	93	39	2	17,242	7,117	4,490	2,075	2,631	930
Skylights or Atriums	331	166	94	46	21	3	12,546	2,783	3,446	1,664	3,032	1,621
Daylighting Sensors	74	37	25	4	7	1	2,868	442	695	314	887	531
Specular Reflectors	928	561	222	84	52	8	26,118	7,764	5,520	3,187	5,960	3,686
Electronic Ballasts	2,577	1,679	590	197	100	11	46,882	16,453	10,947	5,686	9,015	4,780
Energy Management and Control System (EMCS) for Lighting	60	38	10	4	6	2	4,781	1,153	962	370	1,091	1,204

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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.

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