

**Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
<b>All Buildings*</b> .....	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	2,552	452	262	258	1,580	6,789	1,121	738	731	4,198
5,001 to 10,000 .....	889	107	112	99	570	6,585	799	889	724	4,173
10,001 to 25,000 .....	738	79	107	89	463	11,535	1,148	1,742	1,420	7,225
25,001 to 50,000 .....	241	16	22	27	176	8,668	608	842	941	6,278
50,001 to 100,000 .....	129	Q	13	13	98	9,057	Q	916	926	6,877
100,001 to 200,000 .....	65	Q	5	6	52	9,064	Q	703	779	7,228
200,001 to 500,000 .....	25	Q	Q	4	19	7,176	Q	Q	1,168	5,404
Over 500,000 .....	7	Q	Q	2	4	5,908	Q	Q	1,418	3,688
<b>Principal Building Activity</b>										
Education .....	386	Q	Q	27	340	9,874	Q	Q	1,017	8,586
Food Sales .....	226	Q	Q	Q	130	1,255	Q	Q	Q	791
Food Service .....	297	Q	Q	52	211	1,654	Q	Q	292	1,113
Health Care .....	129	Q	Q	21	97	3,163	Q	Q	465	2,569
Inpatient .....	8	N	N	1	7	1,905	N	N	325	1,580
Outpatient .....	121	Q	Q	Q	90	1,258	Q	Q	Q	989
Lodging .....	142	Q	12	16	114	5,096	Q	234	605	4,155
Retail (Other Than Mall).....	443	Q	64	74	270	4,317	Q	657	787	2,631
Office .....	824	22	47	102	653	12,208	279	541	2,222	9,167
Public Assembly .....	277	Q	26	34	198	3,939	Q	259	590	2,928
Public Order and Safety .....	71	Q	Q	Q	58	1,090	Q	Q	Q	929
Religious Worship .....	370	Q	Q	39	295	3,754	Q	Q	404	2,897
Service .....	622	107	99	68	348	4,050	364	542	521	2,624
Warehouse and Storage .....	597	280	153	14	149	10,078	1,952	3,320	728	4,077
Other .....	79	Q	Q	Q	55	1,738	Q	Q	Q	1,473
Vacant .....	182	113	Q	Q	45	2,567	1,077	Q	Q	1,132
<b>Year Constructed</b>										
Before 1920 .....	330	27	48	55	200	3,769	102	635	676	2,356
1920 to 1945 .....	527	85	60	70	312	6,871	635	819	1,066	4,351
1946 to 1959 .....	562	69	55	70	368	7,045	511	506	869	5,159
1960 to 1969 .....	579	55	65	52	407	8,101	591	557	867	6,086
1970 to 1979 .....	731	83	68	82	497	10,772	549	998	1,248	7,978
1980 to 1989 .....	707	88	84	73	460	10,332	524	1,054	1,361	7,394
1990 to 1999 .....	876	157	93	78	549	12,360	1,106	1,370	1,480	8,403
2000 to 2003 .....	334	98	50	18	168	5,533	737	911	540	3,345
<b>Census Region</b>										
Northeast .....	726	54	74	84	514	12,905	309	1,387	1,539	9,671
Midwest .....	1,266	154	117	141	853	17,080	748	1,130	1,727	13,474
South .....	1,775	312	236	168	1,059	23,489	2,491	2,841	2,891	15,266
West .....	878	143	95	105	535	11,310	1,208	1,491	1,950	6,661
<b>Climate Zone: 30-Year Average</b>										
Under 2,000 CDD and --										
More than 7,000 HDD .....	855	103	97	95	560	10,622	513	1,111	1,377	7,620
5,500-7,000 HDD .....	1,173	117	104	113	837	17,335	615	1,109	1,735	13,876
4,000-5,499 HDD .....	673	47	89	81	455	11,504	265	1,325	1,713	8,202
Fewer than 4,000 HDD .....	1,276	225	146	150	754	15,739	1,773	1,845	2,349	9,772
2,000 CDD or More and --										
Fewer than 4,000 HDD .....	669	171	85	58	355	9,584	1,589	1,460	932	5,602

CONTINUED

**Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
<b>All Buildings*</b> .....	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
<b>Number of Floors</b>										
One .....	3,136	570	353	292	1,921	25,981	3,237	3,336	2,534	16,875
Two .....	1,031	70	135	111	714	16,270	862	2,027	1,643	11,739
Three .....	339	Q	21	69	228	7,501	Q	749	1,049	5,401
Four to Nine .....	128	Q	13	22	91	10,085	Q	556	1,601	7,587
Ten or More .....	12	Q	Q	3	8	4,947	Q	Q	1,280	3,470
<b>Number of Workers (main shift)</b>										
Fewer than 5 .....	2,653	573	352	251	1,477	15,492	3,311	2,406	1,318	8,457
5 to 9 .....	778	46	80	98	555	6,166	344	918	858	4,046
10 to 19 .....	563	27	56	68	412	7,803	394	1,049	843	5,517
20 to 49 .....	398	Q	23	50	313	10,989	Q	1,106	1,240	8,476
50 to 99 .....	147	Q	7	18	115	7,934	Q	641	980	6,028
100 to 249 .....	77	Q	Q	7	66	6,871	Q	Q	743	5,696
250 or More .....	30	Q	Q	5	23	9,528	Q	Q	2,123	6,851
<b>Weekly Operating Hours</b>										
Fewer than 40 .....	1,002	250	115	81	555	6,863	1,617	842	509	3,895
40 to 48 .....	1,117	80	140	118	779	11,622	694	1,389	1,091	8,447
49 to 60 .....	1,062	96	132	120	713	15,723	960	2,055	2,035	10,672
61 to 84 .....	591	57	55	90	389	10,334	323	971	1,797	7,244
85 to 167 .....	400	69	39	38	254	7,092	412	828	681	5,171
Open Continuously .....	475	111	41	50	273	13,149	750	765	1,994	9,641
<b>Vacancy Status</b>										
Completely Vacant .....	157	97	Q	Q	39	2,161	940	Q	Q	943
Mostly Vacant .....	25	Q	Q	Q	Q	406	Q	Q	Q	Q
Partially Vacant .....	548	116	74	62	296	12,382	891	1,367	2,307	7,817
Not At All Vacant .....	3,915	434	435	425	2,620	49,834	2,788	5,185	5,740	36,122
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	4,404	432	520	498	2,953	63,307	3,315	6,829	8,107	45,055
Natural Gas .....	2,391	47	231	317	1,796	43,468	494	4,006	5,965	33,002
Fuel Oil .....	451	Q	62	56	325	15,157	Q	1,253	2,480	11,209
District Heat .....	67	Q	Q	5	60	5,443	Q	Q	636	4,716
District Chilled Water .....	33	Q	Q	3	28	2,853	Q	Q	342	2,328
Propane .....	502	Q	88	58	342	7,076	Q	1,178	1,009	4,602
Other .....	132	Q	Q	Q	104	1,401	Q	Q	Q	1,142
<b>Space-Heating Energy Sources (more than one may apply)</b>										
Electricity .....	1,766	N	275	229	1,261	28,600	N	4,077	4,355	20,168
Natural Gas .....	2,165	N	214	294	1,658	36,959	N	3,685	5,077	28,197
Fuel Oil .....	360	N	57	48	254	5,988	N	772	846	4,370
District Heat .....	65	N	Q	5	59	5,198	N	Q	631	4,541
Propane .....	372	N	64	41	266	3,204	N	587	344	2,272
Other .....	113	N	Q	Q	89	842	N	Q	Q	679

CONTINUED

**Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
<b>All Buildings*</b> .....	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
<b>Primary Space-Heating Energy Source</b>										
Electricity .....	1,258	N	222	146	891	15,996	N	2,890	2,164	10,943
Natural Gas .....	1,999	N	192	272	1,534	32,970	N	3,029	4,707	25,233
Fuel Oil .....	282	N	42	41	199	3,818	N	565	459	2,793
District Heat .....	63	N	Q	5	57	4,907	N	Q	574	4,307
Propane .....	308	N	54	33	221	1,955	N	280	203	1,473
Other .....	72	N	Q	N	60	382	N	Q	N	322
<b>Energy End Uses (more than one may apply)</b>										
Buildings with Space Heating .....	3,982	N	523	498	2,962	60,028	N	6,850	8,107	45,071
Buildings with Cooling .....	3,625	156	425	448	2,596	56,940	1,752	6,013	7,768	41,407
Buildings with Water Heating .....	3,472	135	368	427	2,542	56,478	1,324	5,404	7,683	42,067
Buildings with Cooking .....	801	37	44	99	620	22,237	511	711	3,215	17,799
Buildings with Manufacturing .....	119	Q	24	Q	76	3,138	Q	812	Q	1,763
Buildings with Electricity Generation .....	149	Q	10	14	123	12,821	Q	576	2,102	9,957
<b>Percent of Floorspace Cooled</b>										
Not Cooled .....	1,020	507	97	49	366	7,843	3,004	836	339	3,664
1 to 50 .....	985	51	373	93	469	16,598	745	5,201	1,906	8,746
51 to 99 .....	629	30	17	322	260	13,211	322	300	5,399	7,189
100 .....	2,011	76	35	33	1,867	27,132	684	512	463	25,472
<b>Percent Lit When Open</b>										
Zero .....	47	Q	Q	N	Q	293	Q	Q	N	Q
1 to 50 .....	929	133	247	83	466	10,203	909	2,916	1,046	5,333
51 to 99 .....	1,108	73	87	263	685	18,288	640	1,248	4,132	12,267
100 .....	2,176	143	157	137	1,739	32,789	1,214	2,343	2,863	26,370
Building Never Open/ Electricity Not Used .....	386	276	Q	Q	68	3,210	1,767	Q	Q	1,068
<b>Heating Equipment (more than one may apply)</b>										
Heat Pumps .....	476	N	37	61	378	8,814	N	670	1,497	6,647
Packaged Heat Pumps .....	278	N	19	33	226	5,442	N	393	825	4,224
Split-System Heat Pumps .....	166	N	Q	22	127	2,581	N	Q	426	1,877
Individual Room Heat Pumps .....	58	N	Q	12	46	2,691	N	Q	587	2,086
Furnaces .....	1,864	N	240	241	1,383	19,615	N	2,852	2,597	14,165
Individual Space Heaters .....	819	N	178	114	527	12,545	N	2,055	1,943	8,547
District Heat .....	65	N	Q	5	58	5,166	N	Q	631	4,509
Boilers .....	579	N	30	77	472	20,423	N	792	3,110	16,521
Packaged Heating Units .....	953	N	109	138	706	18,021	N	2,390	2,546	13,085
Other .....	205	N	29	22	153	3,262	N	279	476	2,507
<b>HVAC Conservation Features (more than one may apply)</b>										
Variable Air-Volume System .....	466	25	27	55	358	19,597	489	1,004	3,035	15,070
Economizer Cycle .....	508	Q	31	80	386	21,108	Q	942	3,420	16,466
HVAC Maintenance .....	2,581	90	234	332	1,925	51,163	1,351	4,542	6,910	38,359
Energy Management and Control System (EMCS) .....	252	Q	9	33	203	15,630	Q	541	2,502	12,414

CONTINUED

**Table B34. Percent of Floorspace Heated, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated	All Build-ings*	Not Heated	1 to 50 Percent Heated	51 to 99 Percent Heated	100 Percent Heated
All Buildings* .....	4,645	663	523	498	2,962	64,783	4,756	6,850	8,107	45,071
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>a</sup></b>										
Heating .....	2,878	N	382	362	2,135	42,722	N	4,451	5,917	32,353
Cooling .....	2,761	111	324	352	1,974	43,205	1,228	4,350	6,118	31,508
Lighting .....	3,685	288	437	418	2,542	46,987	2,189	5,541	5,939	33,319
Office Equipment .....	1,504	58	186	164	1,095	19,397	759	2,244	2,118	14,277

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.

<sup>a</sup> 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 B35. Percent of Floorspace Cooled, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Buildings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled
<b>All Buildings*</b> .....	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	2,552	710	407	279	1,155	6,789	1,782	1,206	781	3,021
5,001 to 10,000 .....	889	157	226	133	374	6,585	1,177	1,704	995	2,710
10,001 to 25,000 .....	738	109	225	126	277	11,535	1,612	3,517	2,034	4,372
25,001 to 50,000 .....	241	25	64	43	109	8,668	893	2,369	1,479	3,928
50,001 to 100,000 .....	129	11	41	25	52	9,057	726	2,926	1,751	3,654
100,001 to 200,000 .....	65	5	14	14	32	9,064	725	1,984	1,954	4,402
200,001 to 500,000 .....	25	Q	6	7	10	7,176	Q	1,822	2,057	2,685
Over 500,000 .....	7	Q	Q	2	3	5,908	Q	Q	2,159	2,360
<b>Principal Building Activity</b>										
Education .....	386	34	49	46	257	9,874	673	1,993	2,228	4,980
Food Sales .....	226	Q	38	69	104	1,255	Q	252	508	438
Food Service .....	297	Q	38	56	189	1,654	Q	276	359	948
Health Care .....	129	Q	Q	26	95	3,163	Q	Q	893	2,148
Inpatient .....	8	Q	Q	2	6	1,905	Q	Q	605	1,229
Outpatient .....	121	N	Q	25	89	1,258	N	Q	288	919
Lodging .....	142	Q	23	24	83	5,096	Q	Q	1,361	2,790
Retail (Other Than Mall).....	443	37	115	86	205	4,317	238	1,048	1,091	1,940
Office .....	824	34	97	143	549	12,208	176	1,093	3,508	7,432
Public Assembly .....	277	64	39	45	128	3,939	462	649	1,140	1,688
Public Order and Safety .....	71	Q	26	13	21	1,090	Q	184	221	638
Religious Worship .....	370	62	54	55	199	3,754	453	626	696	1,979
Service .....	622	252	231	44	95	4,050	789	2,151	435	675
Warehouse and Storage .....	597	330	213	Q	43	10,078	2,783	6,314	Q	652
Other .....	79	Q	31	4	22	1,738	Q	685	368	584
Vacant .....	182	130	23	Q	Q	2,567	1,731	523	Q	Q
<b>Year Constructed</b>										
Before 1920 .....	330	98	95	50	87	3,769	878	1,320	728	842
1920 to 1945 .....	527	146	107	79	196	6,871	1,952	1,990	1,445	1,484
1946 to 1959 .....	562	132	125	81	224	7,045	999	2,083	1,490	2,473
1960 to 1969 .....	579	112	131	64	272	8,101	976	2,202	1,734	3,189
1970 to 1979 .....	731	121	146	133	331	10,772	799	2,751	2,112	5,110
1980 to 1989 .....	707	129	151	90	335	10,332	496	2,061	2,324	5,450
1990 to 1999 .....	876	181	165	97	433	12,360	1,056	3,000	2,421	5,883
2000 to 2003 .....	334	100	65	35	133	5,533	686	1,190	956	2,701
<b>Census Region</b>										
Northeast .....	726	208	184	97	237	12,905	1,952	4,270	3,101	3,582
Midwest .....	1,266	309	293	197	467	17,080	2,596	4,757	3,761	5,966
South .....	1,775	296	366	195	918	23,489	1,936	4,915	3,903	12,735
West .....	878	208	142	140	388	11,310	1,359	2,656	2,446	4,849
<b>Climate Zone: 30-Year Average</b>										
Under 2,000 CDD and --										
More than 7,000 HDD .....	855	277	207	118	253	10,622	2,072	3,133	2,327	3,089
5,500-7,000 HDD .....	1,173	290	245	184	453	17,335	2,810	4,657	3,568	6,300
4,000-5,499 HDD .....	673	91	195	92	295	11,504	558	3,422	3,297	4,227
Fewer than 4,000 HDD .....	1,276	273	215	162	626	15,739	1,762	3,480	2,803	7,693
2,000 CDD or More and --										
Fewer than 4,000 HDD .....	669	88	123	74	384	9,584	641	1,906	1,215	5,822

CONTINUED

**Table B35. Percent of Floorspace Cooled, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled
<b>All Buildings*</b> .....	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
<b>Number of Floors</b>										
One .....	3,136	795	607	361	1,372	25,981	4,562	7,975	3,508	9,936
Two .....	1,031	167	249	161	453	16,270	1,726	4,806	3,068	6,670
Three .....	339	49	92	72	126	7,501	1,064	1,626	1,629	3,182
Four to Nine .....	128	8	37	30	53	10,085	411	1,917	2,927	4,829
Ten or More .....	12	Q	Q	5	6	4,947	Q	Q	2,078	2,515
<b>Number of Workers (main shift)</b>										
Fewer than 5 .....	2,653	907	555	259	932	15,492	5,901	3,819	1,438	4,334
5 to 9 .....	778	53	176	122	428	6,166	440	2,046	1,077	2,603
10 to 19 .....	563	40	130	103	289	7,803	499	2,999	1,347	2,958
20 to 49 .....	398	12	82	98	206	10,989	423	3,361	2,629	4,576
50 to 99 .....	147	8	31	22	86	7,934	506	2,034	1,585	3,810
100 to 249 .....	77	Q	9	16	50	6,871	Q	1,152	1,696	3,958
250 or More .....	30	Q	2	8	19	9,528	Q	1,188	3,439	4,893
<b>Weekly Operating Hours</b>										
Fewer than 40 .....	1,002	407	143	82	371	6,863	2,865	1,207	658	2,132
40 to 48 .....	1,117	166	273	140	538	11,622	1,114	3,136	2,222	5,150
49 to 60 .....	1,062	179	283	149	450	15,723	1,966	4,598	2,973	6,186
61 to 84 .....	591	70	136	114	272	10,334	643	3,192	2,448	4,051
85 to 167 .....	400	62	79	73	186	7,092	383	2,328	1,354	3,027
Open Continuously .....	475	137	71	71	195	13,149	872	2,137	3,555	6,585
<b>Vacancy Status</b>										
Completely Vacant .....	157	117	Q	Q	Q	2,161	1,577	Q	Q	Q
Mostly Vacant .....	25	Q	Q	Q	Q	406	Q	Q	Q	Q
Partially Vacant .....	548	153	129	65	201	12,382	1,298	2,795	3,145	5,144
Not At All Vacant .....	3,915	736	832	557	1,789	49,834	4,814	13,280	9,992	21,747
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	4,404	780	983	629	2,011	63,307	6,381	16,583	13,211	27,132
Natural Gas .....	2,391	238	601	402	1,150	43,468	2,444	12,132	9,732	19,159
Fuel Oil .....	451	152	120	57	121	15,157	1,267	3,384	4,493	6,013
District Heat .....	67	Q	9	9	37	5,443	Q	370	1,626	2,657
District Chilled Water .....	33	N	Q	5	27	2,853	N	Q	829	1,985
Propane .....	502	103	149	67	184	7,076	1,363	2,620	1,119	1,974
Other .....	132	54	37	19	22	1,401	176	503	304	418
<b>Cooling Energy Sources (more than one may apply)</b>										
Electricity .....	3,589	N	978	625	1,986	54,321	N	16,465	12,327	25,529
Natural Gas .....	17	N	Q	2	11	1,018	N	Q	360	541
District Chilled Water .....	33	N	Q	5	27	2,853	N	Q	829	1,985
<b>Energy End Uses (more than one may apply)</b>										
Buildings with Space Heating .....	3,982	513	934	599	1,936	60,028	4,839	15,852	12,888	26,448
Buildings with Cooling .....	3,625	N	985	629	2,011	56,940	N	16,598	13,211	27,132
Buildings with Water Heating .....	3,472	360	810	560	1,742	56,478	3,246	14,671	12,741	25,819
Buildings with Cooking .....	801	58	129	154	460	22,237	786	3,593	6,608	11,250
Buildings with Manufacturing .....	119	Q	59	10	23	3,138	Q	1,695	524	437
Buildings with Electricity Generation .....	149	Q	30	34	80	12,821	Q	1,839	4,225	6,683

## CONTINUED

**Table B35. Percent of Floorspace Cooled, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled	All Build-ings*	Not Cooled	1 to 50 Percent Cooled	51 to 99 Percent Cooled	100 Percent Cooled
<b>All Buildings*</b> .....	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
<b>Percent of Floorspace Heated</b>										
Not Heated .....	663	507	51	30	76	4,756	3,004	745	322	684
1 to 50 .....	523	97	373	17	35	6,850	836	5,201	300	512
51 to 99 .....	498	49	93	322	33	8,107	339	1,906	5,399	463
100 .....	2,962	366	469	260	1,867	45,071	3,664	8,746	7,189	25,472
<b>Percent Lit When Open</b>										
Zero .....	47	Q	Q	N	Q	293	Q	Q	N	Q
1 to 50 .....	929	231	378	89	231	10,203	1,668	4,053	1,755	2,727
51 to 99 .....	1,108	132	210	304	462	18,288	1,156	3,820	6,366	6,947
100 .....	2,176	286	374	228	1,289	32,789	2,229	8,311	5,055	17,194
Building Never Open/ Electricity Not Used .....	386	330	Q	Q	Q	3,210	2,552	Q	Q	Q
<b>Cooling Equipment (more than one may apply)</b>										
Residential-Type Central										
Air Conditioners .....	1,006	N	284	182	540	11,035	N	4,453	2,332	4,250
Heat Pumps .....	492	N	76	82	335	9,041	N	1,573	2,334	5,134
Packaged Heat Pumps .....	288	N	43	43	202	5,426	N	808	1,346	3,272
Split-System Heat Pumps .....	174	N	32	34	108	2,606	N	623	655	1,329
Individual Room Heat Pumps .....	58	N	Q	15	41	2,940	N	Q	895	1,728
Individual Air Conditioners .....	742	N	349	119	274	12,558	N	5,424	3,170	3,964
District Chilled Water .....	33	N	Q	5	27	2,853	N	Q	829	1,985
Central Chillers .....	111	N	9	31	72	11,636	N	462	4,304	6,870
Packaged Air Conditioning										
Units .....	1,613	N	348	313	952	29,969	N	8,900	7,331	13,738
Swamp Coolers .....	122	N	36	43	43	1,561	N	489	522	550
Other .....	40	N	Q	Q	22	1,232	N	Q	261	766
<b>HVAC Conservation Features (more than one may apply)</b>										
Variable Air-Volume System .....	466	16	72	84	294	19,597	342	2,863	5,549	10,843
Economizer Cycle .....	508	N	78	128	303	21,108	N	3,062	6,716	11,331
HVAC Maintenance .....	2,581	253	547	419	1,362	51,163	3,228	12,648	11,627	23,660
Energy Management and Control System (EMCS) .....	252	5	27	53	167	15,630	272	1,823	4,934	8,601
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>a</sup></b>										
Heating .....	2,878	366	698	432	1,382	42,722	2,857	11,363	9,666	18,835
Cooling .....	2,761	N	788	474	1,499	43,205	N	12,888	10,297	20,020
Lighting .....	3,685	563	866	530	1,727	46,987	4,399	13,673	9,368	19,548
Office Equipment .....	1,504	136	421	204	743	19,397	1,648	6,258	3,372	8,119

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.

<sup>a</sup> 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 B36. Percent of Floorspace Lit When Open, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
<b>All Buildings*</b> .....	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	2,552	304	524	540	1,184	6,789	777	1,372	1,482	3,158
5,001 to 10,000 .....	889	77	149	220	444	6,585	558	1,124	1,671	3,233
10,001 to 25,000 .....	738	28	184	203	323	11,535	373	2,810	3,179	5,173
25,001 to 50,000 .....	241	12	47	80	102	8,668	454	1,705	2,807	3,702
50,001 to 100,000 .....	129	Q	16	37	69	9,057	Q	1,146	2,570	4,903
100,001 to 200,000 .....	65	Q	7	18	37	9,064	Q	1,025	2,442	5,187
200,001 to 500,000 .....	25	Q	Q	8	14	7,176	Q	Q	2,389	3,985
Over 500,000 .....	7	Q	Q	2	4	5,908	Q	Q	1,748	3,448
<b>Principal Building Activity</b>										
Education .....	386	Q	28	107	248	9,874	Q	332	4,202	5,299
Food Sales .....	226	Q	Q	45	142	1,255	Q	Q	317	812
Food Service .....	297	Q	43	61	192	1,654	Q	276	362	1,004
Health Care .....	129	N	Q	45	72	3,163	N	Q	1,230	1,841
Inpatient .....	8	N	Q	3	5	1,905	N	Q	817	1,060
Outpatient .....	121	N	Q	42	67	1,258	N	Q	414	781
Lodging .....	142	N	56	33	53	5,096	N	1,298	1,524	2,274
Retail (Other Than Mall).....	443	Q	63	126	254	4,317	Q	471	1,226	2,618
Office .....	824	N	144	274	406	12,208	N	1,088	4,585	6,535
Public Assembly .....	277	Q	74	76	114	3,939	Q	1,266	977	1,675
Public Order and Safety .....	71	Q	26	16	24	1,090	Q	137	242	691
Religious Worship .....	370	N	106	122	143	3,754	N	1,676	1,053	1,025
Service .....	622	43	149	113	316	4,050	145	617	825	2,463
Warehouse and Storage .....	597	187	165	65	180	10,078	990	2,410	1,328	5,351
Other .....	79	Q	Q	23	33	1,738	Q	Q	417	1,201
Vacant .....	182	169	Q	N	N	2,567	2,237	Q	N	N
<b>Year Constructed</b>										
Before 1920 .....	330	30	117	81	102	3,769	241	1,264	1,132	1,132
1920 to 1945 .....	527	57	113	124	233	6,871	557	1,417	1,731	3,166
1946 to 1959 .....	562	50	125	134	253	7,045	410	1,295	2,026	3,313
1960 to 1969 .....	579	36	131	133	279	8,101	383	1,456	2,437	3,824
1970 to 1979 .....	731	45	106	199	380	10,772	524	1,117	3,487	5,645
1980 to 1989 .....	707	61	131	167	348	10,332	309	1,193	3,077	5,752
1990 to 1999 .....	876	96	159	192	429	12,360	610	1,653	3,074	7,024
2000 to 2003 .....	334	57	47	77	153	5,533	469	808	1,324	2,933
<b>Census Region</b>										
Northeast .....	726	42	187	170	327	12,905	505	2,750	3,599	6,051
Midwest .....	1,266	145	279	355	488	17,080	1,247	2,753	5,299	7,781
South .....	1,775	201	281	357	936	23,489	1,293	3,189	6,134	12,874
West .....	878	44	182	227	425	11,310	458	1,512	3,256	6,083
<b>Climate Zone: 30-Year Average</b>										
Under 2,000 CDD and --										
More than 7,000 HDD .....	855	102	178	229	346	10,622	637	1,956	3,666	4,362
5,500-7,000 HDD .....	1,173	85	278	319	491	17,335	1,085	2,667	4,929	8,654
4,000-5,499 HDD .....	673	43	158	160	311	11,504	315	2,132	3,133	5,924
Fewer than 4,000 HDD .....	1,276	129	217	250	680	15,739	889	2,066	3,804	8,979
2,000 CDD or More and --										
Fewer than 4,000 HDD .....	669	72	98	150	348	9,584	576	1,382	2,756	4,870



CONTINUED

**Table B36. Percent of Floorspace Lit When Open, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
<b>All Buildings*</b> .....	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789
<b>Number of Floors</b>										
One .....	3,136	361	533	656	1,585	25,981	1,985	3,655	5,594	14,747
Two .....	1,031	53	264	283	431	16,270	826	3,394	4,633	7,415
Three .....	339	Q	103	117	104	7,501	Q	1,561	2,505	3,107
Four to Nine .....	128	Q	28	47	51	10,085	Q	1,179	3,721	4,822
Ten or More .....	12	N	Q	4	6	4,947	N	Q	1,835	2,697
<b>Number of Workers (main shift)</b>										
Fewer than 5 .....	2,653	426	726	497	1,003	15,492	3,412	4,560	2,585	4,935
5 to 9 .....	778	Q	114	231	429	6,166	Q	1,741	1,651	2,751
10 to 19 .....	563	Q	56	165	341	7,803	Q	1,512	2,155	4,124
20 to 49 .....	398	Q	27	128	242	10,989	Q	1,235	3,297	6,427
50 to 99 .....	147	Q	5	49	92	7,934	Q	678	2,915	4,314
100 to 249 .....	77	N	Q	26	50	6,871	N	Q	2,337	4,453
250 or More .....	30	N	Q	10	19	9,528	N	Q	3,348	5,784
<b>Weekly Operating Hours</b>										
Fewer than 40 .....	1,002	279	199	198	325	6,863	2,696	1,257	1,177	1,734
40 to 48 .....	1,117	Q	240	293	561	11,622	Q	2,233	3,401	5,881
49 to 60 .....	1,062	Q	216	282	549	15,723	Q	2,697	4,614	8,296
61 to 84 .....	591	Q	88	164	328	10,334	Q	1,082	3,468	5,762
85 to 167 .....	400	Q	58	86	226	7,092	Q	706	2,000	4,192
Open Continuously .....	475	76	127	85	187	13,149	368	2,228	3,629	6,924
<b>Vacancy Status</b>										
Completely Vacant .....	157	157	N	N	N	2,161	2,161	N	N	N
Mostly Vacant .....	25	Q	Q	N	N	406	Q	Q	N	N
Partially Vacant .....	548	69	145	137	197	12,382	321	2,146	4,399	5,516
Not At All Vacant .....	3,915	194	771	971	1,980	49,834	945	7,727	13,889	27,273
<b>Energy Sources (more than one may apply)</b>										
Electricity .....	4,404	190	929	1,108	2,176	63,307	2,026	10,203	18,288	32,789
Natural Gas .....	2,391	63	473	669	1,187	43,468	1,140	6,486	13,050	22,792
Fuel Oil .....	451	Q	109	127	205	15,157	Q	2,124	5,298	7,605
District Heat .....	67	Q	16	14	37	5,443	Q	313	1,896	3,106
District Chilled Water .....	33	Q	Q	10	21	2,853	Q	Q	1,128	1,541
Propane .....	502	Q	126	126	238	7,076	Q	1,167	1,964	3,735
Other .....	132	Q	Q	37	64	1,401	Q	Q	530	667
<b>Energy End Uses (more than one may apply)</b>										
Buildings with Space Heating .....	3,982	118	796	1,035	2,033	60,028	1,510	9,295	17,648	31,575
Buildings with Cooling .....	3,625	61	698	976	1,890	56,940	713	8,535	17,132	30,559
Buildings with Water Heating .....	3,472	72	689	948	1,764	56,478	932	8,621	17,130	29,795
Buildings with Cooking .....	801	Q	138	231	425	22,237	Q	2,817	7,918	11,367
Buildings with Manufacturing .....	119	Q	16	35	67	3,138	Q	574	957	1,566
Buildings with Electricity Generation .....	149	Q	19	55	75	12,821	Q	877	4,895	6,941
<b>Percent of Floorspace Heated</b>										
Not Heated .....	663	314	133	73	143	4,756	1,993	909	640	1,214
1 to 50 .....	523	31	247	87	157	6,850	343	2,916	1,248	2,343
51 to 99 .....	498	Q	83	263	137	8,107	Q	1,046	4,132	2,863
100 .....	2,962	71	466	685	1,739	45,071	1,102	5,333	12,267	26,370

CONTINUED

**Table B36. Percent of Floorspace Lit When Open, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
<b>All Buildings*</b> .....	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789
<b>Percent of Floorspace Cooled</b>										
Not Cooled .....	1,020	371	231	132	286	7,843	2,790	1,668	1,156	2,229
1 to 50 .....	985	24	378	210	374	16,598	414	4,053	3,820	8,311
51 to 99 .....	629	Q	89	304	228	13,211	Q	1,755	6,366	5,055
100 .....	2,011	29	231	462	1,289	27,132	264	2,727	6,947	17,194
<b>Percent Lit When Closed</b>										
Zero .....	1,964	132	483	442	907	17,385	1,147	3,954	3,842	8,442
1 to 50 .....	1,882	32	299	564	987	30,948	777	3,871	10,447	15,853
51 to 100 .....	136	Q	Q	18	96	2,093	Q	Q	370	1,570
Building Never Closed/ Electricity Not Used .....	664	265	127	85	187	14,357	1,576	2,228	3,629	6,924
<b>Lighting Equipment Types (more than one may apply)</b>										
Incandescent .....	2,184	Q	506	673	990	38,528	Q	6,483	12,947	18,667
Standard Fluorescent .....	3,943	28	814	1,053	2,048	59,688	714	9,412	17,816	31,745
Compact Fluorescent .....	941	Q	202	290	445	27,571	Q	3,456	9,855	14,115
High Intensity Discharge .....	455	Q	61	147	238	20,643	Q	1,947	7,153	11,234
Halogen .....	565	Q	99	174	286	17,703	Q	2,425	6,112	9,110
Other .....	8	N	Q	Q	Q	269	N	Q	Q	Q
<b>Window and Interior Lighting Features (more than one may apply)</b>										
Multipaned Windows .....	2,201	75	455	648	1,023	38,910	752	5,918	12,356	19,884
Tinted Window Glass .....	1,323	28	227	375	694	29,887	883	3,412	9,365	16,227
Reflective Window Glass .....	308	Q	74	79	146	8,544	Q	915	2,766	4,735
External Overhangs or Awnings .....	1,233	40	217	351	625	17,242	275	2,143	5,599	9,224
Skylights or Atriums .....	331	Q	69	104	143	12,546	Q	1,452	4,360	6,612
Daylighting Sensors .....	74	Q	21	24	28	2,868	Q	347	930	1,562
Specular Reflectors .....	928	Q	159	294	464	26,118	Q	2,945	8,622	14,233
Electronic Ballasts .....	2,577	14	493	732	1,337	46,882	481	6,236	14,735	25,429
Energy Management and Control System (EMCS) For Lighting .....	60	N	Q	14	44	4,781	N	Q	1,650	2,884
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>b</sup></b>										
Heating .....	2,878	79	571	771	1,457	42,722	1,034	6,656	12,937	22,095
Cooling .....	2,761	43	535	749	1,434	43,205	545	6,621	13,352	22,687
Lighting .....	3,685	N	749	1,007	1,930	46,987	N	7,465	14,401	25,121
Office Equipment .....	1,504	Q	319	372	798	19,397	Q	3,496	5,299	10,336

CONTINUED

**Table B36. Percent of Floorspace Lit When Open, Number of Buildings and Floorspace for Non-Mall Buildings, 2003**

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit <sup>a</sup>	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
<b>All Buildings*</b> .....	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789

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.

<sup>a</sup> "Not Lit" includes buildings that were zero percent lit when open, buildings that were never open, and buildings that did not use any electricity.

<sup>b</sup> 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 B37. Heated, Cooled, and Lit Buildings, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)						
	Total Floorspace in All Buildings*	Heated Buildings		Cooled Buildings		Lit Buildings <sup>c</sup>	
		Total Floor-space <sup>a</sup>	Heated Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Cooled Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Lit Floor-space <sup>b</sup>
<b>All Buildings*</b> .....	64,783	60,028	53,473	56,940	41,788	62,060	51,342
<b>Building Floorspace (Square Feet)</b>							
1,001 to 5,000 .....	6,789	5,668	4,988	5,007	4,017	6,038	4,826
5,001 to 10,000 .....	6,585	5,786	5,010	5,408	3,978	6,090	4,974
10,001 to 25,000 .....	11,535	10,387	8,865	9,922	6,927	11,229	8,618
25,001 to 50,000 .....	8,668	8,060	7,260	7,776	5,663	8,297	6,544
50,001 to 100,000 .....	9,057	8,718	7,815	8,331	5,665	8,912	7,548
100,001 to 200,000 .....	9,064	8,710	8,012	8,339	6,462	8,732	7,470
200,001 to 500,000 .....	7,176	6,907	6,458	6,565	4,702	6,946	6,158
Over 500,000 .....	5,908	5,792	5,065	5,591	4,375	5,816	5,204
<b>Principal Building Activity</b>							
Education .....	9,874	9,755	9,521	9,200	7,211	9,870	8,983
Food Sales .....	1,255	1,131	998	1,198	911	1,237	1,129
Food Service .....	1,654	1,608	1,415	1,583	1,325	1,650	1,391
Health Care .....	3,163	3,100	2,982	3,157	2,934	3,163	2,937
Inpatient .....	1,905	1,905	1,846	1,899	1,763	1,905	1,788
Outpatient .....	1,258	1,195	1,137	1,258	1,171	1,258	1,149
Lodging .....	5,096	4,994	4,719	4,841	4,082	5,096	3,901
Retail (Other Than Mall).....	4,317	4,075	3,451	4,079	3,147	4,315	3,795
Office .....	12,208	11,929	11,184	12,032	10,721	12,208	10,846
Public Assembly .....	3,939	3,777	3,463	3,477	2,791	3,917	2,807
Public Order and Safety .....	1,090	1,083	1,043	1,043	884	1,074	940
Religious Worship .....	3,754	3,581	3,344	3,301	2,733	3,754	2,419
Service .....	4,050	3,687	3,202	3,261	1,504	3,911	3,348
Warehouse and Storage .....	10,078	8,126	5,341	7,295	2,074	9,125	7,136
Other .....	1,738	1,691	1,585	1,636	1,075	1,721	1,582
Vacant .....	2,567	1,491	1,226	836	396	1020	129
<b>Year Constructed</b>							
Before 1920 .....	3,769	3,667	3,069	2,891	1,774	3,554	2,448
1920 to 1945 .....	6,871	6,236	5,546	4,919	3,097	6,367	5,127
1946 to 1959 .....	7,045	6,534	5,972	6,045	4,109	6,727	5,331
1960 to 1969 .....	8,101	7,510	6,991	7,125	5,137	7,972	6,371
1970 to 1979 .....	10,772	10,223	9,261	9,973	7,467	10,381	8,960
1980 to 1989 .....	10,332	9,808	8,750	9,836	7,859	10,087	8,688
1990 to 1999 .....	12,360	11,254	9,876	11,304	8,568	11,828	10,119
2000 to 2003 .....	5,533	4,796	4,008	4,848	3,777	5,144	4,298
<b>Census Region</b>							
Northeast .....	12,905	12,596	11,393	10,954	7,080	12,559	9,957
Midwest .....	17,080	16,331	15,191	14,484	10,103	16,246	13,044
South .....	23,489	20,998	18,226	21,553	17,175	22,325	19,043
West .....	11,310	10,102	8,663	9,950	7,429	10,930	9,299
<b>Climate Zone: 30-Year Average</b>							
Under 2,000 CDD and --							
More than 7,000 HDD .....	10,622	10,109	9,095	8,550	5,654	10,108	7,999
5,500-7,000 HDD .....	17,335	16,720	15,635	14,524	10,287	16,676	13,715
4,000-5,499 HDD .....	11,504	11,239	9,961	10,946	7,760	11,228	9,235
Fewer than 4,000 HDD .....	15,739	13,965	12,120	13,977	10,810	14,947	12,821
2,000 CDD or More and --							
Fewer than 4,000 HDD .....	9,584	7,995	6,661	8,943	7,278	9,102	7,572

## CONTINUED

**Table B37. Heated, Cooled, and Lit Buildings, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)						
	Total Floorspace in All Buildings*	Heated Buildings		Cooled Buildings		Lit Buildings <sup>c</sup>	
		Total Floor-space <sup>a</sup>	Heated Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Cooled Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Lit Floor-space <sup>b</sup>
<b>All Buildings*</b> .....	64,783	60,028	53,473	56,940	41,788	62,060	51,342
<b>Number of Floors</b>							
One .....	25,981	22,744	19,672	21,419	14,604	24,288	20,535
Two .....	16,270	15,408	13,614	14,544	10,315	15,752	12,377
Three .....	7,501	7,198	6,477	6,437	4,841	7,242	5,705
Four to Nine .....	10,085	9,744	9,115	9,673	7,685	9,831	8,300
Ten or More .....	4,947	4,933	4,595	4,867	4,343	4,947	4,425
<b>Number of Workers (main shift)</b>							
Fewer than 5 .....	15,492	12,182	10,134	9,591	6,482	12,835	8,434
5 to 9 .....	6,166	5,822	4,977	5,726	3,991	6,143	4,622
10 to 19 .....	7,803	7,410	6,455	7,304	4,709	7,791	6,400
20 to 49 .....	10,989	10,822	9,727	10,566	7,410	10,959	9,559
50 to 99 .....	7,934	7,650	7,055	7,428	5,565	7,934	7,015
100 to 249 .....	6,871	6,766	6,361	6,806	5,627	6,871	6,497
250 or More .....	9,528	9,376	8,765	9,519	8,004	9,528	8,815
<b>Weekly Operating Hours</b>							
Fewer than 40 .....	6,863	5,246	4,505	3,998	3,000	4,922	3,149
40 to 48 .....	11,622	10,928	9,706	10,508	7,649	11,515	9,402
49 to 60 .....	15,723	14,763	12,900	13,757	9,687	15,625	12,909
61 to 84 .....	10,334	10,012	8,917	9,691	6,780	10,312	9,037
85 to 167 .....	7,092	6,680	5,944	6,708	4,592	6,906	6,143
Open Continuously .....	13,149	12,399	11,502	12,277	10,081	12,781	10,703
<b>Vacancy Status</b>							
Completely Vacant .....	2,161	1,222	1,016	585	286	676	36
Mostly Vacant .....	406	Q	Q	Q	Q	Q	Q
Partially Vacant .....	12,382	11,491	10,179	11,084	8,430	12,062	9,884
Not At All Vacant .....	49,834	47,046	42,069	45,019	32,962	48,978	41,330
<b>Energy Sources (more than one may apply)</b>							
Electricity .....	63,307	59,991	53,450	56,925	41,787	62,060	51,342
Natural Gas .....	43,468	42,974	38,973	41,023	29,979	42,950	35,822
Fuel Oil .....	15,157	14,942	13,695	13,890	10,538	15,037	12,744
District Heat .....	5,443	5,378	5,259	4,653	4,100	5,319	4,818
District Chilled Water .....	2,853	2,734	2,630	2,853	2,682	2,819	2,518
Propane .....	7,076	6,790	5,768	5,713	3,373	6,990	5,718
Other .....	1,401	1,399	1,296	1,225	783	1,370	1,158
<b>Space-Heating Energy Sources (more than one may apply)</b>							
Electricity .....	28,600	28,600	24,717	27,509	20,877	28,358	23,659
Natural Gas .....	36,959	36,959	33,306	34,725	24,924	36,482	30,599
Fuel Oil .....	5,988	5,988	5,346	4,804	2,839	5,954	4,561
District Heat .....	5,198	5,198	5,079	4,408	3,894	5,074	4,589
Propane .....	3,204	3,204	2,779	2,499	1,672	3,143	2,443
Other .....	842	842	756	667	347	811	698
<b>Primary Space-Heating Energy Source</b>							
Electricity .....	15,996	15,996	13,314	15,562	12,446	15,887	13,338
Natural Gas .....	32,970	32,970	29,900	30,808	21,977	32,500	27,190
Fuel Oil .....	3,818	3,818	3,384	2,836	1,425	3,800	2,717
District Heat .....	4,907	4,907	4,805	4,147	3,683	4,783	4,305
Propane .....	1,955	1,955	1,721	1,553	1,027	1,894	1,516
Other .....	382	382	349	282	135	351	313

CONTINUED

**Table B37. Heated, Cooled, and Lit Buildings, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)						
	Total Floorspace in All Buildings*	Heated Buildings		Cooled Buildings		Lit Buildings <sup>c</sup>	
		Total Floor-space <sup>a</sup>	Heated Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Cooled Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Lit Floor-space <sup>b</sup>
<b>All Buildings*</b> .....	64,783	60,028	53,473	56,940	41,788	62,060	51,342
<b>Cooling Energy Sources (more than one may apply)</b>							
Electricity .....	54,321	52,584	46,884	54,321	39,413	54,056	45,376
Natural Gas .....	1,018	1,018	958	1,018	904	1,018	882
District Chilled Water .....	2,853	2,734	2,630	2,853	2,682	2,819	2,518
<b>Energy End Uses (more than one may apply)</b>							
Buildings with Space Heating .....	60,028	60,028	53,473	55,188	40,694	59,215	49,379
Buildings with Cooling .....	56,940	55,188	49,335	56,940	41,788	56,661	47,647
Buildings with Water Heating .....	56,478	55,154	49,850	53,232	39,678	56,011	46,938
Buildings with Cooking .....	22,237	21,725	20,737	21,451	17,514	22,166	18,993
Buildings with Manufacturing .....	3,138	3,072	2,451	2,655	1,206	3,097	2,537
Buildings with Electricity Generation .....	12,821	12,635	11,902	12,746	10,689	12,745	11,468
<b>Percent of Floorspace Heated</b>							
Not Heated .....	4,756	N	N	1,752	1,095	2,845	1,963
1 to 50 .....	6,850	6,850	1,844	6,013	1,958	6,665	4,279
51 to 99 .....	8,107	8,107	6,558	7,768	5,216	8,064	6,590
100 .....	45,071	45,071	45,071	41,407	33,519	44,486	38,510
<b>Percent of Floorspace Cooled</b>							
Not Cooled .....	7,843	4,839	4,138	N	N	5,400	3,695
1 to 50 .....	16,598	15,852	11,652	16,598	3,957	16,479	12,756
51 to 99 .....	13,211	12,888	11,704	13,211	10,699	13,197	10,948
100 .....	27,132	26,448	25,978	27,132	27,132	26,984	23,943
<b>Percent Lit When Open</b>							
Zero .....	293	Q	Q	Q	Q	Q	Q
1 to 50 .....	10,203	9,295	6,974	8,535	5,094	10,203	3,454
51 to 99 .....	18,288	17,648	16,043	17,132	13,144	18,288	15,056
100 .....	32,789	31,575	29,245	30,559	23,192	32,789	32,789
Building Never Open/ Electricity Not Used .....	3,210	1,443	1,172	658	323	754	43
<b>Percent Lit When Closed</b>							
Zero .....	17,385	15,724	13,502	13,741	9,332	16,238	12,794
1 to 50 .....	30,948	29,929	26,641	28,899	20,816	30,948	25,794
51 to 100 .....	2,093	1,939	1,805	2,008	1,559	2,093	2,051
Building Never Closed/ Electricity Not Used .....	14,357	12,436	11,525	12,292	10,082	12,781	10,703
<b>Heating Equipment (more than one may apply)</b>							
Heat Pumps .....	8,814	8,814	8,030	8,780	7,334	8,791	7,742
Packaged Heat Pumps .....	5,442	5,442	4,994	5,430	4,638	5,419	4,859
Split-System Heat Pumps .....	2,581	2,581	2,288	2,559	1,959	2,581	2,242
Individual Room Heat Pumps .....	2,691	2,691	2,572	2,691	2,410	2,691	2,346
Furnaces .....	19,615	19,615	17,143	17,494	11,616	19,373	15,496
Individual Space Heaters .....	12,545	12,545	10,714	11,526	7,689	12,380	9,869
District Heat .....	5,166	5,166	5,047	4,376	3,862	5,042	4,559
Boilers .....	20,423	20,423	19,351	19,051	14,256	20,201	17,076
Packaged Heating Units .....	18,021	18,021	15,675	17,745	13,374	17,831	15,311
Other .....	3,262	3,262	2,939	2,961	2,050	3,213	2,792

## CONTINUED

**Table B37. Heated, Cooled, and Lit Buildings, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)						
	Total Floorspace in All Buildings*	Heated Buildings		Cooled Buildings		Lit Buildings <sup>c</sup>	
		Total Floor-space <sup>a</sup>	Heated Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Cooled Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Lit Floor-space <sup>b</sup>
<b>All Buildings*</b> .....	64,783	60,028	53,473	56,940	41,788	62,060	51,342
<b>Cooling Equipment (more than one may apply)</b>							
Residential-Type Central							
Air Conditioners .....	11,035	10,617	9,180	11,035	7,204	10,960	8,820
Heat Pumps .....	9,041	8,921	8,119	9,041	7,402	9,024	7,951
Packaged Heat Pumps .....	5,426	5,407	4,955	5,426	4,589	5,410	4,810
Split-System Heat Pumps .....	2,606	2,559	2,305	2,606	2,008	2,606	2,278
Individual Room Heat Pumps .....	2,940	2,887	2,702	2,940	2,496	2,940	2,599
Individual Air Conditioners .....	12,558	12,167	10,791	12,558	7,516	12,483	9,656
District Chilled Water .....	2,853	2,734	2,630	2,853	2,682	2,819	2,518
Central Chillers .....	11,636	11,440	11,008	11,636	10,637	11,630	10,490
Packaged Air Conditioning							
Units .....	29,969	29,007	26,093	29,969	21,903	29,862	25,304
Swamp Coolers .....	1,561	1,451	1,324	1,561	1,104	1,553	1,348
Other .....	1,232	1,203	1,103	1,232	1,025	1,217	1,094
<b>Main Equipment Replaced Since 1990 (more than one may apply)</b>							
Heating .....	16,403	16,403	14,365	15,190	10,741	16,150	13,014
Cooling .....	20,995	20,633	18,501	20,995	14,869	20,907	16,996
<b>Lighting Equipment Types (more than one may apply)</b>							
Incandescent .....	38,528	37,220	34,075	36,075	27,809	38,528	31,489
Standard Fluorescent .....	59,688	57,351	51,219	55,117	40,412	59,688	49,691
Compact Fluorescent .....	27,571	26,835	24,856	26,790	21,266	27,571	23,610
High Intensity Discharge .....	20,643	20,093	17,940	19,054	13,107	20,643	17,913
Halogen .....	17,703	17,042	15,387	17,115	13,358	17,703	14,999
Other .....	269	Q	Q	269	256	269	244
<b>HVAC Conservation Features (more than one may apply)</b>							
Variable Air-Volume System .....	19,597	19,108	17,874	19,255	16,191	19,419	17,205
Economizer Cycle .....	21,108	20,828	19,603	21,108	17,656	21,030	18,732
HVAC Maintenance .....	51,163	49,812	45,250	47,935	36,163	50,732	43,125
Energy Management and Control System (EMCS) .....	15,630	15,457	14,644	15,358	13,119	15,544	14,225
<b>Window and Interior Lighting Features (more than one may apply)</b>							
Multipaned Windows .....	38,910	38,065	34,478	36,420	27,363	38,424	32,135
Tinted Window Glass .....	29,887	28,570	25,611	27,941	21,645	29,365	25,280
Reflective Window Glass .....	8,544	8,403	7,621	8,349	6,716	8,425	7,372
External Overhangs or Awnings .....	17,242	16,556	14,809	16,380	12,179	17,087	14,640
Skylights or Atriums .....	12,546	12,217	10,979	12,126	8,539	12,486	10,799
Daylighting Sensors .....	2,868	2,728	2,541	2,819	2,280	2,868	2,444
Specular Reflectors .....	26,118	25,389	23,288	24,724	18,587	26,118	22,443
Electronic Ballasts .....	46,882	45,351	40,872	43,881	32,693	46,882	39,880
Energy Management and Control System (EMCS) For Lighting .....	4,781	4,729	4,424	4,755	4,132	4,781	4,390

CONTINUED

**Table B37. Heated, Cooled, and Lit Buildings, Floorspace for Non-Mall Buildings, 2003**

	Total Floorspace (million square feet)						
	Total Floorspace in All Buildings*	Heated Buildings		Cooled Buildings		Lit Buildings <sup>c</sup>	
		Total Floor-space <sup>a</sup>	Heated Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Cooled Floor-space <sup>b</sup>	Total Floor-space <sup>a</sup>	Lit Floor-space <sup>b</sup>
<b>All Buildings*</b> .....	64,783	60,028	53,473	56,940	41,788	62,060	51,342
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>d</sup></b>							
Heating .....	42,722	42,722	38,310	39,864	29,378	42,305	35,145
Cooling .....	43,205	41,977	37,643	43,205	31,409	42,977	35,950
Lighting .....	46,987	44,799	39,632	42,589	30,335	46,987	39,386
Office Equipment .....	19,397	18,638	16,582	17,749	12,294	19,349	15,788

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.

<sup>a</sup> "Total Floorspace" refers to all floorspace in heated, cooled, or lit buildings, including the floorspace that was not heated, cooled, or lit.

<sup>b</sup> "Heated Floorspace," "Cooled Floorspace," and "Lit Floorspace" refer only to the portion of the floorspace in these buildings that was reported to be heated, cooled, or lit.

<sup>c</sup> Data in "Lit Buildings" are for buildings lit when open or closed. The definition for these columns has changed since the original table release, when they excluded buildings that were lit when closed but not lit when open.

<sup>d</sup> The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See Description of Detailed Tables for explanation of the differences (web address given below).

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.