2003 Commercial Buildings Energy Consumption Survey
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Table A1. Summary Table for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)
All Buildings	4,859	71,658	14.7	5.0
Building Floorspace (Square Feet)				
1,001 to 5,000	2,586	6,922	2.7	2.4
5,001 to 10,000	948	7,033	7.4	7.2
10,001 to 25,000	810	12,659	15.6	15.0
25,001 to 50,000	261	9,382	36.0	35.0
50,001 to 100,000	147	10,291	70.2	67.0
100,001 to 200,000	74	10,217	138.6	130.0
200,001 to 500,000	26	7,494	287.6	260.0
Over 500,000	8	7,660	937.6	700.0
Principal Building Activity				
Education	386	9,874	25.6	7.0
Food Sales	226	1,255	5.6	2.8
Food Service	297	1,654	5.6	3.5
Health Care	129	3,163	24.6	6.0
Inpatient	8	1,905	241.4	106.0
Outpatient	121	1,258	10.4	6.0
Lodging	142	5,096	35.8	12.5
Mercantile	657	11,192	17.0	6.9
Retail (Other Than Mall)	443	4,317	9.7	4.8
Enclosed and Strip Malls	213	6,875	32.2	12.3
Office	824	12,208	14.8	4.0
Public Assembly	277	3,939	14.2	6.7
Public Order and Safety	71	1,090	15.5	5.0
Religious Worship	370	3,754	10.1	6.0
Service	622	4,050	6.5	2.8
Warehouse and Storage	597	10,078	16.9	5.2
Other	79	1,738	21.9	4.6
Vacant	182	2,567	14.1	3.7
Census Region and Division				
Northeast	761	13,995	18.4	5.2
New England	252	3,452	13.7	4.6
Middle Atlantic	509	10,543	20.7	5.9
Midwest	1,305	18,103	13.9	4.3
East North Central	728	12,424	17.1	5.0
West North Central	577	5,680	9.8	4.0
South	1,873	26,739	14.3	5.0
South Atlantic	926	13,999	15.1	5.0
East South Central	360	3,719	10.3	3.6
West South Central	587	9,022	15.4	5.0
West	920	12,820	13.9	4.8
Mountain	316	4,207	13.3	5.0
Pacific	603	8,613	14.3	4.5
Climate Zone: 30-Year Average				
Under 2,000 CDD and --				
- More than 7,000 HDD	882	11,529	13.1	4.8
- 5,500-7,000 HDD	1,229	18,808	15.3	5.0
- 4,000-5,499 HDD	701	12,503	17.8	4.8
- Fewer than 4,000 HDD	1,336	17,630	13.2	4.5
2,000 CDD or More and --				
- Fewer than 4,000 HDD	711	11,189	15.7	5.0

CONTINUED

Table A1. Summary Table for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Mean Square Feet per Building (thousand)	Median Square Feet per Building (thousand)
All Buildings	4,859	71,658	14.7	5.0
Number of Establishments				
One	3,754	45,144	12.0	4.3
2 to 5	762	12,565	16.5	6.2
6 to 10	117	3,358	28.6	17.0
11 to 20	47	3,369	71.8	44.0
More than 20	22	5,060	227.3	75.0
Currently Unoccupied	157	2,161	13.8	2.8

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.
Note: Due to rounding, data may not sum to totals.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A2. Census Region, Number of Buildings and Floorspace for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings	North-east	Mid-west	South	West	All Buildings	North-east	Mid-west	South	West
All Buildings	4,859	761	1,305	1,873	920	71,658	13,995	18,103	26,739	12,820
Building Floorspace (Square Feet)										
1,001 to 5,000	2,586	374	728	985	499	6,922	1,059	1,908	2,618	1,337
5,001 to 10,000	948	155	228	386	179	7,033	1,169	1,676	2,844	1,343
10,001 to 25,000	810	138	211	308	152	12,659	2,122	3,317	4,859	2,361
25,001 to 50,000	261	39	75	96	50	9,382	1,388	2,712	3,474	1,808
50,001 to 100,000	147	31	35	58	22	10,291	2,272	2,376	4,059	1,584
100,001 to 200,000	74	15	18	30	10	10,217	2,238	2,486	4,140	1,353
200,001 to 500,000	26	6	8	7	5	7,494	1,781	2,288	2,109	1,316
Over 500,000	8	2	2	3	2	7,660	1,967	1,341	2,635	1,717
Principal Building Activity										
Education	386	31	63	156	136	9,874	1,683	2,541	3,983	1,667
Food Sales	226	40	57	94	Q	1,255	238	320	487	Q
Food Service	297	37	88	127	45	1,654	172	453	764	265
Health Care	129	18	31	48	31	3,163	535	798	1,277	553
Inpatient	8	1	2	4	1	1,905	358	438	838	270
Outpatient	121	17	29	44	30	1,258	177	359	438	283
Lodging	142	27	34	52	30	5,096	1,171	1,144	1,694	1,087
Mercantile	657	111	150	295	101	11,192	1,720	1,904	5,094	2,473
Retail (Other Than Mall)	443	76	111	197	60	4,317	630	880	1,844	963
Enclosed and Strip Malls	213	35	39	98	41	6,875	1,090	1,024	3,251	1,511
Office	824	155	231	250	187	12,208	3,012	2,989	3,782	2,425
Public Assembly	277	63	57	92	65	3,939	1,048	1,012	1,174	706
Public Order and Safety	71	23	20	15	Q	1,090	362	221	373	Q
Religious Worship	370	52	107	158	53	3,754	627	1,115	1,498	515
Service	622	100	221	198	103	4,050	740	1,289	1,358	664
Warehouse and Storage	597	65	160	277	95	10,078	1,523	3,017	3,966	1,572
Other	79	17	31	21	9	1,738	649	316	Q	186
Vacant	182	23	55	88	Q	2,567	517	984	701	Q
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
- More than 7,000 HDD	882	209	456	N	218	11,529	2,567	5,910	N	3,052
- 5,500-7,000 HDD	1,229	350	670	N	209	18,808	5,989	10,584	N	2,234
- 4,000-5,499 HDD	701	202	Q	289	30	12,503	5,440	1,609	4,736	718
- Fewer than 4,000 HDD	1,336	N	N	914	422	17,630	N	N	11,506	6,125
2,000 CDD or More and --										
- Fewer than 4,000 HDD	711	N	N	670	41	11,189	N	N	10,497	692
Number of Establishments										
One	3,754	559	1,047	1,444	704	45,144	8,061	12,359	16,947	7,776
2 to 5	762	149	182	273	158	12,565	2,802	3,116	4,493	2,155
6 to 10	117	25	21	41	30	3,358	792	730	1,212	624
11 to 20	47	8	6	20	12	3,369	884	552	1,342	591
More than 20	22	4	2	11	6	5,060	1,118	453	2,094	1,396
Currently Unoccupied	157	Q	47	84	Q	2,161	Q	892	652	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.
Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.
N=No responding cases in sample.
Note: Due to rounding, data may not sum to totals.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A3. Census Region and Division, Number of Buildings for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)									
		Northeast		Midwest		South			West	
	All Buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings	4,859	252	509	728	577	926	360	587	316	603
Building Floorspace (Square Feet)										
1,001 to 5,000	2,586	134	240	372	356	474	217	294	166	333
5,001 to 10,000	948	49	106	128	100	200	59	127	62	117
10,001 to 25,000	810	46	92	133	78	151	54	103	61	91
25,001 to 50,000	261	10	29	48	27	52	16	28	16	34
50,001 to 100,000	147	8	23	25	10	26	11	21	7	15
100,001 to 200,000	74	3	12	14	5	18	Q	10	3	7
200,001 to 500,000	26	Q	6	6	1	4	Q	3	1	3
Over 500,000	8	Q	2	1	Q	2	Q	Q	Q	1
Principal Building Activity										
Education	386	Q	21	34	29	87	Q	56	39	97
Food Sales	226	Q	Q	43	Q	49	Q	Q	Q	Q
Food Service	297	Q	27	54	34	61	24	42	Q	34
Health Care	129	Q	17	20	11	27	11	10	13	18
Inpatient	8	Q	1	1	Q	Q	Q	1	Q	1
Outpatient	121	Q	Q	19	Q	25	Q	Q	Q	17
Lodging	142	Q	9	15	19	26	13	13	16	14
Mercantile	657	49	62	101	49	158	54	82	38	62
Retail (Other Than Mall)	443	Q	46	69	42	106	42	49	21	39
Enclosed and Strip Malls	213	Q	16	32	Q	52	12	34	18	24
Office	824	47	108	134	97	125	41	84	62	125
Public Assembly	277	Q	29	25	31	44	Q	38	Q	48
Public Order and Safety	71	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	370	Q	41	62	46	77	35	46	Q	33
Service	622	Q	79	95	126	101	51	46	42	61
Warehouse and Storage	597	Q	46	95	66	125	58	93	31	64
Other	79	Q	10	23	Q	Q	Q	Q	Q	Q
Vacant	182	Q	Q	24	Q	35	Q	37	Q	Q
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
- More than 7,000 HDD	882	110	98	205	251	N	N	N	183	Q
- 5,500-7,000 HDD	1,229	141	209	523	Q	N	N	N	97	Q
- 4,000-5,499 HDD	701	N	202	N	Q	147	Q	Q	N	30
- Fewer than 4,000 HDD	1,336	N	N	N	N	527	Q	140	N	422
2,000 CDD or More and --										
- Fewer than 4,000 HDD	711	N	N	N	N	252	Q	379	36	Q
Number of Establishments										
One	3,754	182	376	571	476	704	308	432	242	462
2 to 5	762	53	96	113	68	145	29	99	52	106
6 to 10	117	Q	13	15	Q	25	Q	12	14	16
11 to 20	47	Q	5	6	Q	11	Q	6	Q	6
More than 20	22	Q	3	Q	Q	7	Q	3	Q	5
Currently Unoccupied	157	Q	Q	22	Q	35	Q	35	Q	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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A4. Census Region and Division, Floorspace for All Buildings (Including Malls), 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings	71,658	3,452	10,543	12,424	5,680	13,999	3,719	9,022	4,207	8,613
Building Floorspace (Square Feet)										
1,001 to 5,000	6,922	383	676	986	922	1,283	547	788	466	871
5,001 to 10,000	7,033	369	800	939	738	1,468	420	957	465	878
10,001 to 25,000	12,659	674	1,448	2,113	1,204	2,443	861	1,555	933	1,429
25,001 to 50,000	9,382	366	1,022	1,763	949	1,867	545	1,062	568	1,239
50,001 to 100,000	10,291	590	1,682	1,712	664	1,797	749	1,514	492	1,092
100,001 to 200,000	10,217	448	1,790	1,872	614	2,422	Q	1,426	346	1,007
200,001 to 500,000	7,494	Q	1,673	1,847	441	1,148	Q	749	339	977
Over 500,000	7,660	Q	1,451	1,192	Q	1,572	Q	Q	Q	1,119
Principal Building Activity										
Education	9,874	Q	1,384	1,990	552	2,445	341	1,198	640	1,027
Food Sales	1,255	Q	Q	218	Q	223	Q	Q	Q	Q
Food Service	1,654	Q	127	248	206	433	99	232	Q	232
Health Care	3,163	Q	464	551	247	749	219	309	230	323
Inpatient	1,905	Q	310	316	Q	469	Q	235	Q	176
Outpatient	1,258	Q	Q	235	Q	280	Q	Q	Q	147
Lodging	5,096	374	797	548	595	939	368	387	438	649
Mercantile	11,192	699	Q	1,373	531	2,638	678	1,778	742	1,732
Retail (Other Than Mall)	4,317	Q	419	544	337	897	353	594	210	753
Enclosed and Strip Malls	6,875	488	Q	829	Q	1,741	325	1,185	532	979
Office	12,208	578	2,434	2,190	799	1,958	481	1,343	629	1,796
Public Assembly	3,939	Q	769	635	377	440	Q	498	Q	468
Public Order and Safety	1,090	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	3,754	Q	474	720	395	721	310	467	Q	341
Service	4,050	Q	620	775	514	753	307	298	345	319
Warehouse and Storage	10,078	Q	1,112	2,023	994	1,836	390	1,740	506	1,066
Other	1,738	Q	501	248	Q	Q	Q	Q	Q	Q
Vacant	2,567	Q	Q	791	Q	252	Q	350	Q	Q
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
- More than 7,000 HDD	11,529	Q	1,577	3,208	2,702	N	N	N	2,446	Q
- 5,500-7,000 HDD	18,808	2,463	3,526	9,215	Q	N	N	N	1,181	Q
- 4,000-5,499 HDD	12,503	N	5,440	N	1,609	3,065	Q	Q	N	718
- Fewer than 4,000 HDD	17,630	N	N	N	N	7,126	Q	2,255	N	6,125
2,000 CDD or More and --										
- Fewer than 4,000 HDD	11,189	N	N	N	N	3,807	Q	6,258	580	Q
Number of Establishments										
One	45,144	1,784	6,277	8,315	4,044	8,902	2,707	5,339	2,794	4,982
2 to 5	12,565	756	2,046	2,096	1,020	2,448	471	1,574	595	1,560
6 to 10	3,358	Q	548	459	Q	759	Q	359	257	367
11 to 20	3,369	Q	509	501	Q	684	Q	412	Q	414
More than 20	5,060	Q	Q	Q	Q	965	Q	992	Q	1,023
Currently Unoccupied	2,161	Q	Q	756	Q	241	Q	346	Q	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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A5. Building Size, Number of Buildings for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)								
		Building Size							
	All Buildings	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	4,859	2,586	948	810	261	147	74	26	8
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
Mercantile	657	275	156	155	34	21	12	2	2
Retail (Other Than Mall)	443	241	97	83	14	Q	4	Q	Q
Enclosed and Strip Malls	213	Q	59	72	20	18	8	Q	2
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
Census Region and Division									
Northeast	761	374	155	138	39	31	15	6	2
New England	252	134	49	46	10	8	3	Q	Q
Middle Atlantic	509	240	106	92	29	23	12	6	2
Midwest	1,305	728	228	211	75	35	18	8	2
East North Central	728	372	128	133	48	25	14	6	1
West North Central	577	356	100	78	27	10	5	1	Q
South	1,873	985	386	308	96	58	30	7	3
South Atlantic	926	474	200	151	52	26	18	4	2
East South Central	360	217	59	54	16	11	Q	Q	Q
West South Central	587	294	127	103	28	21	10	3	Q
West	920	499	179	152	50	22	10	5	2
Mountain	316	166	62	61	16	7	3	1	Q
Pacific	603	333	117	91	34	15	7	3	1
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
- More than 7,000 HDD	882	479	164	157	45	22	10	4	1
- 5,500-7,000 HDD	1,229	631	238	224	66	39	21	7	2
- 4,000-5,499 HDD	701	376	142	95	38	28	13	6	2
- Fewer than 4,000 HDD	1,336	735	272	203	66	34	19	6	2
2,000 CDD or More and --									
- Fewer than 4,000 HDD	711	365	131	130	46	23	11	4	1
Number of Establishments									
One	3,754	2,131	720	590	163	87	43	15	3
2 to 5	762	338	182	140	54	29	13	5	1
6 to 10	117	Q	Q	51	19	8	6	Q	Q
11 to 20	47	Q	N	13	12	13	5	1	Q
More than 20	22	N	Q	Q	Q	4	4	3	3
Currently Unoccupied	157	100	Q	Q	Q	Q	Q	Q	Q

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Table A5. Building Size, Number of Buildings for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)								
		Building Size							
	All Buildings	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

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.
Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.
N=No responding cases in sample.
Note: Due to rounding, data may not sum to totals.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A6. Building Size, Floorspace for All Buildings (Including Malls), 2003

	Total Floorspace (million square feet)								
		Building Size							
	All Buildings	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	71,658	6,922	7,033	12,659	9,382	10,291	10,217	7,494	7,660
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
Mercantile	11,192	771	1,173	2,409	1,291	1,505	1,677	462	1,905
Retail (Other Than Mall)	4,317	638	725	1,284	578	Q	524	Q	Q
Enclosed and Strip Malls	6,875	Q	448	1,124	713	1,234	1,153	Q	1,752
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
Census Region and Division									
Northeast	13,995	1,059	1,169	2,122	1,388	2,272	2,238	1,781	1,967
New England	3,452	383	369	674	366	590	448	Q	Q
Middle Atlantic	10,543	676	800	1,448	1,022	1,682	1,790	1,673	1,451
Midwest	18,103	1,908	1,676	3,317	2,712	2,376	2,486	2,288	1,341
East North Central	12,424	986	939	2,113	1,763	1,712	1,872	1,847	1,192
West North Central	5,680	922	738	1,204	949	664	614	441	Q
South	26,739	2,618	2,844	4,859	3,474	4,059	4,140	2,109	2,635
South Atlantic	13,999	1,283	1,468	2,443	1,867	1,797	2,422	1,148	1,572
East South Central	3,719	547	420	861	545	749	Q	Q	Q
West South Central	9,022	788	957	1,555	1,062	1,514	1,426	749	Q
West	12,820	1,337	1,343	2,361	1,808	1,584	1,353	1,316	1,717
Mountain	4,207	466	465	933	568	492	346	339	Q
Pacific	8,613	871	878	1,429	1,239	1,092	1,007	977	1,119
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
- More than 7,000 HDD	11,529	1,313	1,248	2,406	1,547	1,480	1,311	1,150	1,073
- 5,500-7,000 HDD	18,808	1,709	1,725	3,506	2,424	2,780	2,889	2,007	1,766
- 4,000-5,499 HDD	12,503	1,010	1,077	1,498	1,382	2,011	1,881	1,678	1,966
- Fewer than 4,000 HDD	17,630	1,915	2,024	3,176	2,381	2,352	2,597	1,612	1,573
2,000 CDD or More and --									
- Fewer than 4,000 HDD	11,189	975	959	2,073	1,647	1,668	1,538	1,047	1,282
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	12,565	1,028	1,383	2,259	1,995	1,966	1,755	1,379	800
6 to 10	3,358	Q	Q	839	666	555	743	Q	Q
11 to 20	3,369	Q	N	227	430	890	705	450	Q
More than 20	5,060	N	Q	Q	Q	298	556	741	3,274
Currently Unoccupied	2,161	223	Q	Q	Q	Q	Q	Q	Q

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Table A6. Building Size, Floorspace for All Buildings (Including Malls), 2003

	Total Floorspace (million square feet)								
		Building Size							
	All Buildings	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

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.
Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.
N=No responding cases in sample.
Note: Due to rounding, data may not sum to totals.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A7. Number of Establishments in Building, Number of Buildings for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings	4,859	3,754	762	117	47	22	157
Building Floorspace (Square Feet)							
1,001 to 5,000	2,586	2,131	338	Q	Q	N	100
5,001 to 10,000	948	720	182	Q	N	Q	Q
10,001 to 25,000	810	590	140	51	13	Q	Q
25,001 to 50,000	261	163	54	19	12	Q	Q
50,001 to 100,000	147	87	29	8	13	4	Q
100,001 to 200,000	74	43	13	6	5	4	Q
200,001 to 500,000	26	15	5	Q	1	3	Q
Over 500,000	8	3	1	Q	Q	3	Q
Principal Building Activity							
Education	386	360	21	Q	N	N	N
Food Sales	226	203	Q	N	N	Q	N
Food Service	297	270	26	Q	N	N	N
Health Care	129	91	34	Q	Q	Q	N
Inpatient	8	6	1	Q	Q	Q	N
Outpatient	121	84	32	Q	Q	Q	N
Lodging	142	130	12	Q	N	N	N
Mercantile	657	368	187	65	25	12	N
Retail (Other Than Mall)	443	368	68	Q	Q	Q	N
Enclosed and Strip Malls	213	N	119	63	24	8	N
Office	824	536	228	37	14	7	N
Public Assembly	277	237	35	Q	Q	Q	N
Public Order and Safety	71	57	Q	Q	Q	N	N
Religious Worship	370	339	31	N	Q	N	N
Service	622	561	58	Q	Q	N	N
Warehouse and Storage	597	518	74	Q	Q	Q	N
Other	79	63	15	Q	N	Q	N
Vacant	182	Q	Q	N	N	N	157
Census Region and Division							
Northeast	761	559	149	25	8	4	Q
New England	252	182	53	Q	Q	Q	Q
Middle Atlantic	509	376	96	13	5	3	Q
Midwest	1,305	1,047	182	21	6	2	47
East North Central	728	571	113	15	6	Q	22
West North Central	577	476	68	Q	Q	Q	Q
South	1,873	1,444	273	41	20	11	84
South Atlantic	926	704	145	25	11	7	35
East South Central	360	308	29	Q	Q	Q	Q
West South Central	587	432	99	12	6	3	35
West	920	704	158	30	12	6	Q
Mountain	316	242	52	14	Q	Q	Q
Pacific	603	462	106	16	6	5	Q
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
- More than 7,000 HDD	882	667	164	15	4	3	Q
- 5,500-7,000 HDD	1,229	955	200	32	11	2	28
- 4,000-5,499 HDD	701	554	100	18	7	Q	Q
- Fewer than 4,000 HDD	1,336	1,060	182	25	11	7	51
2,000 CDD or More and --							
- Fewer than 4,000 HDD	711	516	116	27	14	5	32

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Table A7. Number of Establishments in Building, Number of Buildings for All Buildings (Including Malls), 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied

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.
Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.
N=No responding cases in sample.
Note: Due to rounding, data may not sum to totals.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table A8. Number of Establishments in Building, Floorspace for All Buildings (Including Malls), 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings	71,658	45,144	12,565	3,358	3,369	5,060	2,161
Building Floorspace (Square Feet)							
1,001 to 5,000	6,922	5,613	1,028	Q	Q	N	223
5,001 to 10,000	7,033	5,304	1,383	Q	N	Q	Q
10,001 to 25,000	12,659	9,098	2,259	839	227	Q	Q
25,001 to 50,000	9,382	5,807	1,995	666	430	Q	Q
50,001 to 100,000	10,291	6,218	1,966	555	890	298	Q
100,001 to 200,000	10,217	6,102	1,755	743	705	556	Q
200,001 to 500,000	7,494	4,246	1,379	Q	450	741	Q
Over 500,000	7,660	2,756	800	Q	Q	3,274	Q
Principal Building Activity							
Education	9,874	8,714	946	Q	N	N	N
Food Sales	1,255	1,057	Q	N	N	Q	N
Food Service	1,654	1,375	246	Q	N	N	N
Health Care	3,163	2,004	735	Q	Q	Q	N
Inpatient	1,905	1,328	361	Q	Q	Q	N
Outpatient	1,258	676	374	Q	Q	Q	N
Lodging	5,096	4,234	783	Q	N	N	N
Mercantile	11,192	3,410	2,235	1,444	1,460	2,642	N
Retail (Other Than Mall)	4,317	3,410	630	Q	Q	Q	N
Enclosed and Strip Malls	6,875	N	1,605	1,400	1,418	2,451	N
Office	12,208	4,894	2,709	1,144	1,332	2,129	N
Public Assembly	3,939	3,110	677	Q	Q	Q	N
Public Order and Safety	1,090	643	Q	Q	Q	N	N
Religious Worship	3,754	3,272	479	N	Q	N	N
Service	4,050	3,509	465	Q	Q	N	N
Warehouse and Storage	10,078	7,560	2,034	Q	Q	Q	N
Other	1,738	1,188	495	Q	N	Q	N
Vacant	2,567	Q	Q	N	N	N	2,161
Census Region and Division							
Northeast	13,995	8,061	2,802	792	884	1,118	Q
New England	3,452	1,784	756	Q	Q	Q	Q
Middle Atlantic	10,543	6,277	2,046	548	509	Q	Q
Midwest	18,103	12,359	3,116	730	552	453	892
East North Central	12,424	8,315	2,096	459	501	Q	756
West North Central	5,680	4,044	1,020	Q	Q	Q	Q
South	26,739	16,947	4,493	1,212	1,342	2,094	652
South Atlantic	13,999	8,902	2,448	759	684	965	241
East South Central	3,719	2,707	471	Q	Q	Q	Q
West South Central	9,022	5,339	1,574	359	412	992	346
West	12,820	7,776	2,155	624	591	1,396	Q
Mountain	4,207	2,794	595	257	Q	Q	Q
Pacific	8,613	4,982	1,560	367	414	1,023	Q
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
- More than 7,000 HDD	11,529	7,138	2,527	584	Q	538	Q
- 5,500-7,000 HDD	18,808	12,514	3,217	867	747	641	821
- 4,000-5,499 HDD	12,503	7,713	2,021	530	793	1,227	Q
- Fewer than 4,000 HDD	17,630	11,616	3,008	586	694	1,236	491
2,000 CDD or More and --							
- Fewer than 4,000 HDD	11,189	6,163	1,792	791	723	1,417	303

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Table A8. Number of Establishments in Building, Floorspace for All Buildings (Including Malls), 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied

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.
Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.
N=No responding cases in sample.
Note: Due to rounding, data may not sum to totals.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

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Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Building Floorspace (Square Feet)						
1,001 to 5,000	2,552	6,789	9,936	2.7	683	57
5,001 to 10,000	889	6,585	7,512	7.4	877	61
10,001 to 25,000	738	11,535	10,787	15.6	1,069	67
25,001 to 50,000	241	8,668	8,881	35.9	976	72
50,001 to 100,000	129	9,057	8,432	70.4	1,074	80
100,001 to 200,000	65	9,064	11,632	138.8	779	89
200,001 to 500,000	25	7,176	6,883	289.0	1,043	100
Over 500,000	7	5,908	8,744	896.1	676	115
Principal Building Activity						
Education	386	9,874	12,489	25.6	791	50
Food Sales	226	1,255	1,430	5.6	877	107
Food Service	297	1,654	3,129	5.6	528	86
Health Care	129	3,163	6,317	24.6	501	59
Inpatient	8	1,905	3,716	241.4	513	168
Outpatient	121	1,258	2,600	10.4	484	52
Lodging	142	5,096	2,457	35.8	2,074	167
Retail (Other Than Mall)	443	4,317	3,463	9.7	1,246	59
Office	824	12,208	28,154	14.8	434	55
Public Assembly	277	3,939	2,395	14.2	1,645	50
Public Order and Safety	71	1,090	1,347	15.5	809	103
Religious Worship	370	3,754	1,706	10.1	2,200	32
Service	622	4,050	3,667	6.5	1,105	55
Warehouse and Storage	597	10,078	4,369	16.9	2,306	66
Other	79	1,738	1,819	21.9	956	63
Vacant	182	2,567	Q	14.1	Q	Q
Year Constructed						
Before 1920	330	3,769	3,045	11.4	1,238	48
1920 to 1945	527	6,871	6,122	13.0	1,122	51
1946 to 1959	562	7,045	6,646	12.5	1,060	52
1960 to 1969	579	8,101	8,708	14.0	930	63
1970 to 1979	731	10,772	12,597	14.7	855	65
1980 to 1989	707	10,332	15,032	14.6	687	62
1990 to 1999	876	12,360	16,181	14.1	764	71
2000 to 2003	334	5,533	4,476	16.6	1,236	68
Census Region and Division						
Northeast	726	12,905	14,908	17.8	866	67
New England	233	2,964	3,155	12.7	939	71
Middle Atlantic	493	9,941	11,752	20.1	846	65
Midwest	1,266	17,080	16,373	13.5	1,043	59
East North Central	696	11,595	11,489	16.7	1,009	61
West North Central	571	5,485	4,883	9.6	1,123	58
South	1,775	23,489	27,078	13.2	867	60
South Atlantic	874	12,258	16,757	14.0	732	60
East South Central	348	3,393	3,060	9.8	1,109	61
West South Central	553	7,837	7,261	14.2	1,079	60
West	878	11,310	14,448	12.9	783	62
Mountain	299	3,675	4,281	12.3	858	64
Pacific	580	7,635	10,168	13.2	751	61

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Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	855	10,622	10,305	12.4	1,031	60
5,500-7,000 HDD	1,173	17,335	17,340	14.8	1,000	63
4,000-5,499 HDD	673	11,504	14,007	17.1	821	66
Fewer than 4,000 HDD	1,276	15,739	17,178	12.3	916	57
2,000 CDD or More and --						
Fewer than 4,000 HDD	669	9,584	13,978	14.3	686	62
Number of Floors						
One	3,136	25,981	23,710	8.3	1,096	60
Two	1,031	16,270	16,170	15.8	1,006	62
Three	339	7,501	7,966	22.1	942	63
Four to Nine	128	10,085	15,910	78.7	634	87
Ten or More	12	4,947	9,051	420.0	547	112
Elevators and Escalators (more than one may apply)						
Any Elevators	309	24,617	36,562	79.7	673	78
Number of Elevators						
One	208	8,221	9,079	39.5	905	67
Two to Five	88	10,129	15,894	115.1	637	98
Six or More	13	6,268	11,589	491.5	541	115
Any Escalators	6	2,350	4,048	388.7	580	84
Number of Workers (main shift)						
Fewer than 5	2,653	15,492	4,633	5.8	3,344	56
5 to 9	778	6,166	5,080	7.9	1,214	63
10 to 19	563	7,803	7,305	13.9	1,068	66
20 to 49	398	10,989	11,780	27.6	933	73
50 to 99	147	7,934	9,545	53.8	831	75
100 to 249	77	6,871	11,093	89.7	619	90
250 or More	30	9,528	23,371	320.4	408	99
Weekly Operating Hours						
Fewer than 40	1,002	6,863	3,293	6.9	2,084	13
40 to 48	1,117	11,622	13,765	10.4	844	42
49 to 60	1,062	15,723	19,146	14.8	821	54
61 to 84	591	10,334	11,630	17.5	889	74
85 to 167	400	7,092	10,473	17.7	677	107
Open Continuously	475	13,149	14,499	27.7	907	168
Ownership and Occupancy						
Nongovernment Owned	4,011	49,421	53,339	12.3	927	62
Owner Occupied	1,841	23,591	27,111	12.8	870	60
Nonowner Occupied	2,029	23,914	26,228	11.8	912	69
Unoccupied	141	1,916	N	13.6	N	0
Government Owned	635	15,363	19,468	24.2	789	55
Federal	46	1,956	2,432	42.9	804	66
State	164	3,808	7,204	23.2	529	57
Local	425	9,599	9,832	22.6	976	53
Vacancy Status						
Completely Vacant	157	2,161	N	13.8	N	0
Mostly Vacant	25	406	Q	16.1	Q	49
Partially Vacant	548	12,382	16,997	22.6	729	67
Not At All Vacant	3,915	49,834	55,746	12.7	894	63

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Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Number of Establishments						
One	3,754	45,144	44,071	12.0	1,024	64
2 to 5	643	10,960	13,001	17.1	843	61
6 to 10	55	1,958	Q	35.7	303	68
11 to 20	23	1,951	3,342	85.7	584	66
More than 20	14	2,609	5,930	181.1	440	71
Currently Unoccupied	157	2,161	N	13.8	N	0
Predominant Exterior Wall Material						
Brick, Stone or Stucco	2,044	32,817	36,770	16.1	892	63
Concrete (Block or Poured)	786	10,832	10,463	13.8	1,035	61
Concrete Panels	131	6,559	10,891	50.2	602	67
Siding or Shingles	779	4,120	4,567	5.3	902	58
Metal Panels	825	7,912	6,235	9.6	1,269	59
Window Glass	17	1,024	1,910	60.1	536	78
Other	47	1,113	1,541	23.8	722	62
No One Major Type	18	406	430	22.9	945	53
Predominant Roof Material						
Built-Up	1,036	21,170	25,828	20.4	820	63
Shingles (Not Wood)	1,325	10,195	10,462	7.7	974	59
Metal Surfacing	1,288	11,944	8,461	9.3	1,412	58
Synthetic or Rubber	511	14,730	20,783	28.8	709	70
Slate or Tile	263	2,462	3,021	9.4	815	60
Wooden Materials	122	887	973	7.3	912	60
Concrete	61	2,231	1,958	36.7	1,139	68
Other	16	598	652	38.1	917	62
No One Major Type	25	565	669	22.7	844	84
Renovations in Buildings Constructed Before 1980 (more than one may apply)						
Any Type of Renovation Since 1980	1,018	17,844	20,481	17.5	871	61
Addition or Annex	256	6,551	6,668	25.6	982	68
Reduction In Floorspace	22	1,012	1,078	46.1	939	78
Cosmetic Improvements	741	13,119	15,890	17.7	826	62
Wall or Roof Replacement	370	8,070	10,121	21.8	797	60
Interior Wall Re-Configuration	411	8,518	11,188	20.7	761	65
HVAC Equipment Upgrade	442	10,768	13,849	24.4	778	64
Lighting Upgrade	455	10,275	12,452	22.6	825	62
Window Replacement	310	6,354	7,462	20.5	851	63
Plumbing System Upgrade	315	7,144	8,764	22.7	815	68
Insulation Upgrade	227	4,015	5,019	17.7	800	56
Other Renovation	19	523	476	27.3	1,097	75
No Renovations Since 1980	1,710	18,714	16,637	10.9	1,125	55
Building Newer than 1980	1,917	28,225	35,689	14.7	791	67

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Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Energy Sources (more than one may apply)						
Electricity	4,404	63,307	72,708	14.4	871	62
Natural Gas	2,391	43,468	51,956	18.2	837	65
Fuel Oil	451	15,157	19,625	33.6	772	68
District Heat	67	5,443	10,190	81.4	534	79
District Chilled Water	33	2,853	7,189	86.7	397	79
Propane	502	7,076	5,858	14.1	1,208	60
Wood	62	289	262	4.6	1,105	46
Coal	Q	Q	Q	Q	Q	Q
Solar	Q	Q	Q	Q	Q	Q
Other	61	909	1,190	15.0	764	64
Space-Heating Energy Sources (more than one may apply)						
Electricity	1,766	28,600	33,903	16.2	844	66
Natural Gas	2,165	36,959	40,933	17.1	903	62
Fuel Oil	360	5,988	5,386	16.6	1,112	58
District Heat	65	5,198	9,939	79.7	523	78
Propane	372	3,204	3,002	8.6	1,067	55
Wood	59	261	191	4.4	1,367	45
Coal	Q	Q	Q	Q	Q	Q
Solar	Q	Q	Q	Q	Q	Q
Other	41	475	527	11.6	901	61
Primary Space-Heating Energy Source						
Electricity	1,258	15,996	19,392	12.7	825	65
Natural Gas	1,999	32,970	36,773	16.5	897	61
Fuel Oil	282	3,818	2,669	13.5	1,430	58
District Heat	63	4,907	9,729	77.4	504	77
Propane	308	1,955	1,915	6.4	1,021	53
Wood	Q	Q	Q	Q	Q	Q
Coal	Q	Q	Q	Q	Q	Q
Solar	N	N	N	N	N	N
Other	Q	Q	Q	Q	Q	Q
Cooling Energy Sources (more than one may apply)						
Electricity	3,589	54,321	63,221	15.1	859	64
Natural Gas	17	1,018	1,342	58.9	759	72
District Chilled Water	33	2,853	7,189	86.7	397	79
Water-Heating Energy Sources (more than one may apply)						
Electricity	1,910	27,490	32,638	14.4	842	59
Natural Gas	1,445	28,820	35,740	19.9	806	70
Fuel Oil	94	1,880	2,036	19.9	923	81
District Heat	27	3,088	4,193	113.1	736	95
Propane	128	1,422	1,527	11.1	931	80
Cooking Energy Sources (more than one may apply)						
Electricity	410	13,161	16,034	32.1	821	81
Natural Gas	457	15,438	19,011	33.8	812	85
Propane	108	1,460	1,866	13.6	782	77

Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Energy End Uses (more than one may apply)						
Buildings with Space Heating	3,982	60,028	70,778	15.1	848	61
Buildings with Cooling	3,625	56,940	70,153	15.7	812	64
Buildings with Water Heating	3,472	56,478	69,224	16.3	816	65
Buildings with Cooking	801	22,237	27,242	27.8	816	81
Buildings with Manufacturing	119	3,138	2,879	26.5	1,090	54
Buildings with Electricity Generation	149	12,821	19,273	85.9	665	99
Percent of Floorspace Heated						
Not Heated	663	4,756	2,029	7.2	2,344	60
1 to 50	523	6,850	4,135	13.1	1,656	56
51 to 99	498	8,107	9,618	16.3	843	64
100	2,962	45,071	57,024	15.2	790	62
Percent of Floorspace Cooled						
Not Cooled	1,020	7,843	2,654	7.7	2,956	52
1 to 50	985	16,598	11,094	16.8	1,496	60
51 to 99	629	13,211	16,510	21.0	800	70
100	2,011	27,132	42,549	13.5	638	63
Percent Lit When Open						
Zero	47	293	Q	6.3	Q	115
1 to 50	929	10,203	4,414	11.0	2,312	64
51 to 99	1,108	18,288	26,635	16.5	687	60
100	2,176	32,789	41,552	15.1	789	64
Building Never Open/ Electricity Not Used	386	3,210	111	8.3	28,892	34
Percent Lit When Closed						
Zero	1,964	17,385	18,080	8.9	962	42
1 to 50	1,882	30,948	37,362	16.4	828	58
51 to 100	136	2,093	2,777	15.4	754	59
Building Never Closed/ Electricity Not Used	664	14,357	14,588	21.6	984	127
Heating Equipment (more than one may apply)						
Heat Pumps	476	8,814	10,754	18.5	820	64
Packaged Heat Pumps	278	5,442	7,472	19.6	728	64
Split-System Heat Pumps	166	2,581	2,769	15.5	932	61
Individual Room Heat Pumps	58	2,691	2,979	46.5	903	84
Furnaces	1,864	19,615	18,616	10.5	1,054	57
Individual Space Heaters	819	12,545	12,878	15.3	974	61
District Heat	65	5,166	9,838	79.7	525	78
Boilers	579	20,423	23,472	35.3	870	70
Packaged Heating Units	953	18,021	22,588	18.9	798	69
Other	205	3,262	3,475	15.9	939	63

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Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Cooling Equipment (more than one may apply)						
Residential-Type Central Air Conditioners	1,006	11,035	11,438	11.0	965	57
Heat Pumps	492	9,041	10,961	18.4	825	63
Packaged Heat Pumps	288	5,426	7,489	18.9	725	62
Split-System Heat Pumps	174	2,606	2,764	15.0	943	60
Individual Room Heat Pumps	58	2,940	3,262	50.7	901	84
Individual Air Conditioners	742	12,558	11,477	16.9	1,094	66
District Chilled Water	33	2,853	7,189	86.7	397	79
Central Chillers	111	11,636	17,545	105.1	663	81
Packaged Air Conditioning Units	1,613	29,969	35,810	18.6	837	69
Swamp Coolers	122	1,561	1,655	12.8	943	71
Other	40	1,232	1,682	31.1	732	75
Main Equipment Replaced Since 1990 (more than one may apply)						
Heating	1,197	16,403	16,978	13.7	966	61
Cooling	1,356	20,995	24,553	15.5	855	64
Water Heating Equipment						
Centralized System	2,513	34,671	39,948	13.8	868	66
Distributed System	785	11,540	11,842	14.7	974	57
Combination of Centralized and Distributed System	175	10,267	17,434	58.8	589	79
Lighting Equipment Types (more than one may apply)						
Incandescent	2,184	38,528	48,802	17.6	789	66
Standard Fluorescent	3,943	59,688	70,943	15.1	841	62
Compact Fluorescent	941	27,571	36,563	29.3	754	73
High Intensity Discharge	455	20,643	26,080	45.4	792	71
Halogen	565	17,703	22,892	31.3	773	71
Other	8	269	604	31.7	445	111
Refrigeration Equipment (more than one may apply)[a]						
Any Refrigeration	3,176	52,974	65,564	16.7	808	66
Commercial Refrigeration	1,007	26,768	32,287	26.6	829	86
Walk-In Units	666	20,254	25,289	30.4	801	93
Cases or Cabinets	825	20,424	25,417	24.8	804	87
Residential-Type Units	2,370	38,884	47,846	16.4	813	60
Vending Machines	996	35,335	45,904	35.5	770	78
No Refrigeration	1,469	11,809	7,243	8.0	1,630	51
Office Equipment (more than one may apply)						
Computers	3,081	55,627	69,046	18.1	806	65
With Flat Screen Monitors	877	26,417	42,188	30.1	626	68
Dedicated Servers	1,175	36,338	52,509	30.9	692	68
Laser Printers	1,970	33,012	40,085	16.8	824	64
Inkjet Printers	1,420	32,210	43,906	22.7	734	67
FAX Machines	2,715	52,373	66,994	19.3	782	66
Photocopiers	1,939	46,257	61,340	23.9	754	63

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Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Number of Computers						
None	1,565	9,156	3,761	5.9	2,435	54
1 to 4	1,670	12,395	8,684	7.4	1,427	63
5 to 9	559	7,179	6,010	12.8	1,195	63
10 to 19	370	6,610	6,847	17.9	965	65
20 to 49	255	7,414	9,387	29.1	790	70
50 to 99	110	5,376	6,937	48.9	775	69
100 to 249	79	6,690	8,865	84.3	755	71
250 or More	38	9,963	22,316	264.3	446	89
Number of Dedicated Servers						
None	3,471	28,445	20,298	8.2	1,401	59
1 to 4	1,060	24,116	26,711	22.8	903	67
5 to 9	58	3,864	6,045	67.0	639	83
10 to 19	30	3,027	8,615	100.1	351	84
20 to 49	17	2,583	4,793	150.0	539	77
50 or More	10	2,748	6,345	276.6	433	87
Number of Photocopiers						
None	2,706	18,526	11,467	6.8	1,616	60
One	1,250	15,475	12,549	12.4	1,233	60
2 to 4	549	15,082	17,284	27.5	873	65
5 to 9	85	5,515	10,674	64.7	517	83
10 or More	54	10,185	20,833	187.2	489	80
Energy-Related Space Functions (more than one may apply)						
Commercial Food Preparation	799	22,223	27,242	27.8	816	81
Activities with Large Amounts of Hot Water	567	19,482	21,756	34.4	895	93
Separate Computer Area	553	26,873	37,820	48.6	711	68
HVAC Conservation Features (more than one may apply)						
Variable Air-Volume System	466	19,597	30,768	42.1	637	71
Economizer Cycle	508	21,108	32,317	41.5	653	76
HVAC Maintenance	2,581	51,163	63,597	19.8	804	66
Energy Management and Control System (EMCS)	252	15,630	21,642	62.0	722	69
Window and Interior Lighting Features (more than one may apply)						
Multipaned Windows	2,201	38,910	43,977	17.7	885	65
Tinted Window Glass	1,323	29,887	40,426	22.6	739	63
Reflective Window Glass	308	8,544	12,301	27.8	695	65
External Overhangs or Awnings	1,233	17,242	22,365	14.0	771	66
Skylights or Atriums	331	12,546	14,163	37.9	886	70
Daylighting Sensors	74	2,868	3,775	38.7	760	80
Specular Reflectors	928	26,118	33,030	28.2	791	65
Electronic Ballasts	2,577	46,882	59,003	18.2	795	65
Energy Management and Control System (EMCS) for Lighting	60	4,781	7,098	80.1	674	81

Table B1. Summary Table: Total and Means of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Mean Square Feet per Building (thousand)	Mean Square Feet per Worker	Mean Hours per Week
All Buildings*	4,645	64,783	72,807	13.9	890	61
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]						
Heating	2,878	42,722	49,300	14.8	867	56
Cooling	2,761	43,205	53,990	15.6	800	59
Lighting	3,685	46,987	56,421	12.7	833	52
Office Equipment	1,504	19,397	20,147	12.9	963	51

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 B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	6,789	9,936	2.4	750	48	30.5
5,001 to 10,000	889	6,585	7,512	7.2	1,300	50	30.5
10,001 to 25,000	738	11,535	10,787	15.0	1,611	55	28.5
25,001 to 50,000	241	8,668	8,881	35.0	1,364	60	30.5
50,001 to 100,000	129	9,057	8,432	67.0	1,500	60	25.5
100,001 to 200,000	65	9,064	11,632	130.0	1,457	75	24.5
200,001 to 500,000	25	7,176	6,883	260.0	1,750	85	31.5
Over 500,000	7	5,908	8,744	700.0	785	144	23.5
Principal Building Activity							
Education	386	9,874	12,489	7.0	854	45	31.5
Food Sales	226	1,255	1,430	2.8	1,094	107	30.5
Food Service	297	1,654	3,129	3.5	550	84	28.5
Health Care	129	3,163	6,317	6.0	540	45	23.5
Inpatient	8	1,905	3,716	106.0	530	168	31.5
Outpatient	121	1,258	2,600	6.0	540	45	23.5
Lodging	142	5,096	2,457	12.5	2,633	168	30.5
Retail (Other Than Mall)	443	4,317	3,463	4.8	1,250	54	35.5
Office	824	12,208	28,154	4.0	525	46	28.5
Public Assembly	277	3,939	2,395	6.7	2,050	42	35.5
Public Order and Safety	71	1,090	1,347	5.0	825	168	16.5
Religious Worship	370	3,754	1,706	6.0	2,400	20	43.5
Service	622	4,050	3,667	2.8	1,160	50	29.5
Warehouse and Storage	597	10,078	4,369	5.2	1,700	50	17.5
Other	79	1,738	1,819	4.6	1,200	48	32.5
Vacant	182	2,567	64	3.7	6,625	0	43.5
Year Constructed							
Before 1920	330	3,769	3,045	5.0	1,225	45	105.5
1920 to 1945	527	6,871	6,122	4.0	1,167	48	73.5
1946 to 1959	562	7,045	6,646	4.0	1,120	45	51.5
1960 to 1969	579	8,101	8,708	5.0	986	52	39.5
1970 to 1979	731	10,772	12,597	5.4	1,060	50	29.5
1980 to 1989	707	10,332	15,032	3.7	825	50	19.5
1990 to 1999	876	12,360	16,181	4.8	971	54	7.5
2000 to 2003	334	5,533	4,476	5.2	1,150	54	2.5
Census Region and Division							
Northeast	726	12,905	14,908	5.0	833	56	43.5
New England	233	2,964	3,155	4.5	889	56	38.5
Middle Atlantic	493	9,941	11,752	5.5	800	55	43.5
Midwest	1,266	17,080	16,373	4.1	1,078	50	32.5
East North Central	696	11,595	11,489	4.8	1,000	50	33.5
West North Central	571	5,485	4,883	3.6	1,150	48	28.5
South	1,775	23,489	27,078	4.8	1,060	50	23.5
South Atlantic	874	12,258	16,757	5.0	1,000	50	21.5
East South Central	348	3,393	3,060	3.6	1,200	49	26.5
West South Central	553	7,837	7,261	5.0	1,100	50	23.5
West	878	11,310	14,448	4.4	970	50	32.5
Mountain	299	3,675	4,281	4.8	1,000	50	30.5
Pacific	580	7,635	10,168	4.1	917	50	32.5

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Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
- More than 7,000 HDD	855	10,622	10,305	4.7	1,000	50	33.5
- 5,500-7,000 HDD	1,173	17,335	17,340	4.8	1,065	50	34.5
- 4,000-5,499 HDD	673	11,504	14,007	4.5	900	50	33.5
- Fewer than 4,000 HDD	1,276	15,739	17,178	4.1	1,025	48	28.5
2,000 CDD or More and --							
- Fewer than 4,000 HDD	669	9,584	13,978	5.0	1,000	50	20.5
Number of Floors							
One	3,136	25,981	23,710	3.6	1,000	50	25.5
Two	1,031	16,270	16,170	7.1	1,013	50	38.5
Three	339	7,501	7,966	8.3	1,000	52	57.5
Four to Nine	128	10,085	15,910	41.0	1,080	64	63.5
Ten or More	12	4,947	9,051	255.0	667	95	31.5
Elevators and Escalators (more than one may apply)							
Any Elevators	309	24,617	36,562	38.5	906	60	30.5
Number of Elevators							
One	208	8,221	9,079	26.0	952	55	33.5
Two to Five	88	10,129	15,894	89.0	906	80	25.5
Six or More	13	6,268	11,589	360.0	650	168	24.5
Any Escalators	6	2,350	4,048	190.0	1,000	65	34.5
Number of Workers (main shift)							
Fewer than 5	2,653	15,492	4,633	3.0	1,550	45	31.5
5 to 9	778	6,166	5,080	4.8	717	50	31.5
10 to 19	563	7,803	7,305	7.7	600	55	27.5
20 to 49	398	10,989	11,780	15.5	575	60	28.5
50 to 99	147	7,934	9,545	36.0	580	60	26.5
100 to 249	77	6,871	11,093	67.0	450	68	25.5
250 or More	30	9,528	23,371	180.0	381	72	21.5
Weekly Operating Hours							
Fewer than 40	1,002	6,863	3,293	3.1	1,500	10	36.5
40 to 48	1,117	11,622	13,765	4.5	850	40	30.5
49 to 60	1,062	15,723	19,146	5.0	900	55	30.5
61 to 84	591	10,334	11,630	6.3	1,029	72	31.5
85 to 167	400	7,092	10,473	5.0	880	105	23.5
Open Continuously	475	13,149	14,499	5.7	1,250	168	20.5
Ownership and Occupancy							
Nongovernment Owned	4,011	49,421	53,339	4.5	1,000	50	29.5
Owner Occupied	1,841	23,591	27,111	5.0	1,000	50	31.5
Nonowner Occupied	2,029	23,914	26,228	4.0	1,000	55	27.5
Unoccupied	141	1,916	0	3.7	N	0	43.5
Government Owned	635	15,363	19,468	6.2	975	45	31.5
Federal	46	1,956	2,432	6.6	900	60	34.5
State	164	3,808	7,204	5.5	808	45	30.5
Local	425	9,599	9,832	6.2	1,050	45	31.5
Vacancy Status							
Completely Vacant	157	2,161	0	2.8	N	0	43.5
Mostly Vacant	25	406	64	11.3	6,625	20	38.5
Partially Vacant	548	12,382	16,997	5.7	1,053	50	28.5
Not At All Vacant	3,915	49,834	55,746	4.5	1,000	50	29.5

Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Number of Establishments							
One	3,754	45,144	44,071	4.3	1,075	50	29.5
2 to 5	643	10,960	13,001	5.4	825	50	31.5
6 to 10	55	1,958	Q	20.0	586	60	28.5
11 to 20	23	1,951	3,342	34.0	614	55	19.5
More than 20	14	2,609	5,930	49.5	450	55	31.5
Currently Unoccupied	157	2,161	0	2.8	N	0	43.5
Predominant Exterior Wall Material							
Brick, Stone or Stucco	2,044	32,817	36,770	5.5	930	50	36.5
Concrete (Block or Poured)	786	10,832	10,463	4.0	1,025	50	34.5
Concrete Panels	131	6,559	10,891	12.8	950	55	21.5
Siding or Shingles	779	4,120	4,567	2.6	775	49	30.5
Metal Panels	825	7,912	6,235	4.7	1,500	49	17.5
Window Glass	17	1,024	1,910	10.0	833	60	28.5
Other	47	1,113	1,541	3.6	1,333	50	32.5
No One Major Type	18	406	430	8.5	1,025	50	22.5
Predominant Roof Material							
Built-Up	1,036	21,170	25,828	5.6	833	54	36.5
Shingles (Not Wood)	1,325	10,195	10,462	3.9	1,000	48	33.5
Metal Surfacing	1,288	11,944	8,461	4.5	1,400	50	18.5
Synthetic or Rubber	511	14,730	20,783	8.0	833	60	38.5
Slate or Tile	263	2,462	3,021	4.0	750	50	30.5
Wooden Materials	122	887	973	2.5	750	45	38.5
Concrete	61	2,231	1,958	6.0	573	58	35.5
Other	16	598	652	14.5	878	51	21.5
No One Major Type	25	565	669	8.0	857	70	38.5
Renovations in Buildings Constructed Before 1980 (more than one may apply)							
Any Type of Renovation Since 1980	1,018	17,844	20,481	5.4	1,000	50	48.5
Addition or Annex	256	6,551	6,668	6.4	1,000	55	41.5
Reduction In Floorspace	22	1,012	1,078	23.8	1,333	70	51.5
Cosmetic Improvements	741	13,119	15,890	5.2	1,000	50	50.5
Wall or Roof Replacement	370	8,070	10,121	6.1	1,050	50	48.5
Interior Wall Re-Configuration	411	8,518	11,188	5.8	867	50	48.5
HVAC Equipment Upgrade	442	10,768	13,849	8.0	975	51	49.5
Lighting Upgrade	455	10,275	12,452	7.8	933	50	50.5
Window Replacement	310	6,354	7,462	6.5	938	50	51.5
Plumbing System Upgrade	315	7,144	8,764	7.5	984	55	53.5
Insulation Upgrade	227	4,015	5,019	4.5	950	47	53.5
Other Renovation	19	523	476	10.5	1,550	75	66.5
No Renovations Since 1980	1,710	18,714	16,637	4.3	1,133	48	43.5
Building Newer than 1980	1,917	28,225	35,689	4.5	920	50	10.5

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Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Energy Sources (more than one may apply)							
Electricity	4,404	63,307	72,708	4.8	1,000	50	30.5
Natural Gas	2,391	43,468	51,956	5.9	960	54	33.5
Fuel Oil	451	15,157	19,625	5.6	1,150	50	38.5
District Heat	67	5,443	10,190	26.5	950	60	41.5
District Chilled Water	33	2,853	7,189	38.0	833	70	28.5
Propane	502	7,076	5,858	4.1	1,175	50	26.5
Wood	62	289	262	2.4	1,500	40	35.5
Coal	Q	Q	Q	3.7	1,159	50	26.5
Solar	Q	Q	Q	2.4	2,400	112	18.5
Other	61	909	1,190	7.0	1,200	50	29.5
Space-Heating Energy Sources (more than one may apply)							
Electricity	1,766	28,600	33,903	5.0	900	50	25.5
Natural Gas	2,165	36,959	40,933	5.8	971	50	33.5
Fuel Oil	360	5,988	5,386	4.8	1,200	49	45.5
District Heat	65	5,198	9,939	25.0	950	60	41.5
Propane	372	3,204	3,002	3.5	1,200	45	23.5
Wood	59	261	191	2.4	1,500	40	35.5
Coal	Q	Q	Q	3.7	1,167	50	26.5
Solar	Q	Q	Q	112.0	320	55	37.5
Other	41	475	527	6.0	1,344	50	27.5
Primary Space-Heating Energy Source							
Electricity	1,258	15,996	19,392	4.3	890	50	23.5
Natural Gas	1,999	32,970	36,773	5.6	950	50	34.5
Fuel Oil	282	3,818	2,669	4.0	1,200	48	48.5
District Heat	63	4,907	9,729	25.0	917	60	41.5
Propane	308	1,955	1,915	3.3	1,125	45	23.5
Wood	Q	Q	Q	2.2	1,500	40	35.5
Coal	Q	Q	Q	2.5	1,100	44	27.5
Solar	N	N	N	N	N	N	N
Other	Q	Q	Q	4	1,667	45	28
Cooling Energy Sources (more than one may apply)							
Electricity	3,589	54,321	63,221	5.0	933	50	29.5
Natural Gas	17	1,018	1,342	12.8	756	60	25.5
District Chilled Water	33	2,853	7,189	38.0	833	70	28.5
Water-Heating Energy Sources (more than one may apply)							
Electricity	1,910	27,490	32,638	5.0	975	50	27.5
Natural Gas	1,445	28,820	35,740	6.7	938	56	33.5
Fuel Oil	94	1,880	2,036	5.5	1,040	63	47.5
District Heat	27	3,088	4,193	39.5	725	78	39.5
Propane	128	1,422	1,527	5.0	875	66	32.5
Cooking Energy Sources (more than one may apply)							
Electricity	410	13,161	16,034	7.0	867	72	29.5
Natural Gas	457	15,438	19,011	7.0	833	77	33.5
Propane	108	1,460	1,866	4.1	717	77	30.5

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Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	60,028	70,778	5.0	980	50	30.5
Buildings with Cooling	3,625	56,940	70,153	5.0	932	50	29.5
Buildings with Water Heating	3,472	56,478	69,224	5.1	938	50	30.5
Buildings with Cooking	801	22,237	27,242	6.4	833	72	31.5
Buildings with Manufacturing	119	3,138	2,879	8.0	1,143	50	30.5
Buildings with Electricity Generation	149	12,821	19,273	30.0	843	78	23.5
Percent of Floorspace Heated							
Not Heated	663	4,756	2,029	3.2	1,250	49	23.5
1 to 50	523	6,850	4,135	5.0	1,500	50	29.5
51 to 99	498	8,107	9,618	5.0	933	54	33.5
100	2,962	45,071	57,024	4.8	889	50	30.5
Percent of Floorspace Cooled							
Not Cooled	1,020	7,843	2,654	3.2	1,500	42	33.5
1 to 50	985	16,598	11,094	6.9	1,500	50	32.5
51 to 99	629	13,211	16,510	6.1	900	56	31.5
100	2,011	27,132	42,549	4.2	730	50	27.5
Percent Lit When Open							
Zero	47	293	95	3.6	1,700	168	9.5
1 to 50	929	10,203	4,414	4.6	1,800	50	36.5
51 to 99	1,108	18,288	26,635	5.6	900	50	30.5
100	2,176	32,789	41,552	4.8	800	50	28.5
Building Never Open/ Electricity Not Used	386	3,210	111	3.2	1,750	0	28.5
Percent Lit When Closed							
Zero	1,964	17,385	18,080	3.6	1,114	44	30.5
1 to 50	1,882	30,948	37,362	5.5	889	53	31.5
51 to 100	136	2,093	2,777	4.1	775	54	28.5
Building Never Closed/ Electricity Not Used	664	14,357	14,588	4.8	1,450	168	20.5
Heating Equipment (more than one may apply)							
Heat Pumps	476	8,814	10,754	5.0	857	50	21.5
Packaged Heat Pumps	278	5,442	7,472	5.0	860	50	23.5
Split-System Heat Pumps	166	2,581	2,769	4.7	900	50	19.5
Individual Room Heat Pumps	58	2,691	2,979	18.3	953	55	31.5
Furnaces	1,864	19,615	18,616	4.6	1,025	50	33.5
Individual Space Heaters	819	12,545	12,878	5.0	1,000	50	32.5
District Heat	65	5,166	9,838	23.3	957	60	41.5
Boilers	579	20,423	23,472	11.5	1,068	55	46.5
Packaged Heating Units	953	18,021	22,588	6.0	800	54	23.5
Other	205	3,262	3,475	4.2	1,250	50	27.5

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Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	1,006	11,035	11,438	4.2	900	50	30.5
Heat Pumps	492	9,041	10,961	5.0	867	50	21.5
Packaged Heat Pumps	288	5,426	7,489	5.0	867	50	22.5
Split-System Heat Pumps	174	2,606	2,764	4.0	1,000	50	19.5
Individual Room Heat Pumps	58	2,940	3,262	18.3	940	55	30.5
Individual Air Conditioners	742	12,558	11,477	5.0	1,158	50	40.5
District Chilled Water	33	2,853	7,189	38.0	833	70	28.5
Central Chillers	111	11,636	17,545	48.0	889	60	30.5
Packaged Air Conditioning Units	1,613	29,969	35,810	6.5	880	55	28.5
Swamp Coolers	122	1,561	1,655	5.8	1,273	52	30.5
Other	40	1,232	1,682	15.0	875	60	28.5
Main Equipment Replaced Since 1990 (more than one may apply)							
Heating	1,197	16,403	16,978	5.0	1,050	50	38.5
Cooling	1,356	20,995	24,553	5.5	968	50	39.5
Water Heating Equipment							
Centralized System	2,513	34,671	39,948	5.0	900	53	29.5
Distributed System	785	11,540	11,842	5.0	1,018	48	31.5
Combination of Centralized and Distributed System	175	10,267	17,434	23.3	958	60	28.5
Lighting Equipment Types (more than one may apply)							
Incandescent	2,184	38,528	48,802	5.2	1,000	51	34.5
Standard Fluorescent	3,943	59,688	70,943	5.0	1,000	50	30.5
Compact Fluorescent	941	27,571	36,563	8.0	850	58	29.5
High Intensity Discharge	455	20,643	26,080	14.0	1,214	60	25.5
Halogen	565	17,703	22,892	8.5	800	56	25.5
Other	8	269	604	2.9	375	119	20.5
Refrigeration Equipment (more than one may apply)[a]							
Any Refrigeration	3,176	52,974	65,564	5.0	933	54	30.5
Commercial Refrigeration	1,007	26,768	32,287	5.5	900	80	30.5
Walk-In Units	666	20,254	25,289	5.1	833	84	28.5
Cases or Cabinets	825	20,424	25,417	5.0	900	80	31.5
Residential-Type Units	2,370	38,884	47,846	5.3	938	50	30.5
Vending Machines	996	35,335	45,904	12.0	1,000	60	28.5
No Refrigeration	1,469	11,809	7,243	3.6	1,200	42	30.5
Office Equipment (more than one may apply)							
Computers	3,081	55,627	69,046	6.0	896	50	28.5
With Flat Screen Monitors	877	26,417	42,188	8.3	700	53	27.5
Dedicated Servers	1,175	36,338	52,509	10.0	692	55	26.5
Laser Printers	1,970	33,012	40,085	6.0	960	50	30.5
Inkjet Printers	1,420	32,210	43,906	7.1	781	51	27.5
FAX Machines	2,715	52,373	66,994	6.0	833	52	29.5
Photocopiers	1,939	46,257	61,340	8.0	808	50	29.5

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Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Number of Computers							
None	1,565	9,156	3,761	2.8	1,333	42	32.5
1 to 4	1,670	12,395	8,684	4.0	1,200	50	30.5
5 to 9	559	7,179	6,010	6.1	750	50	27.5
10 to 19	370	6,610	6,847	8.3	650	50	25.5
20 to 49	255	7,414	9,387	15.5	596	55	28.5
50 to 99	110	5,376	6,937	30.0	632	55	28.5
100 to 249	79	6,690	8,865	65.0	738	60	27.5
250 or More	38	9,963	22,316	158.0	571	70	24.5
Number of Dedicated Servers							
None	3,471	28,445	20,298	3.6	1,200	50	31.5
1 to 4	1,060	24,116	26,711	8.9	738	54	26.5
5 to 9	58	3,864	6,045	30.0	538	60	20.5
10 to 19	30	3,027	8,615	45.0	375	65	21.5
20 to 49	17	2,583	4,793	52.0	433	60	24.5
50 or More	10	2,748	6,345	100.0	278	60	38.5
Number of Photocopiers							
None	2,706	18,526	11,467	3.2	1,200	50	30.5
One	1,250	15,475	12,549	6.0	988	50	30.5
2 to 4	549	15,082	17,284	12.0	675	54	28.5
5 to 9	85	5,515	10,674	33.0	520	60	26.5
10 or More	54	10,185	20,833	92.0	443	60	24.5
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	799	22,223	27,242	6.5	833	72	31.5
Activities with Large Amounts of Hot Water	567	19,482	21,756	10.0	1,125	76	31.5
Separate Computer Area	553	26,873	37,820	16.0	750	54	26.5
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	466	19,597	30,768	11.0	740	58	21.5
Economizer Cycle	508	21,108	32,317	11.0	794	60	23.5
HVAC Maintenance	2,581	51,163	63,597	6.0	900	52	28.5
Energy Management and Control System (EMCS)	252	15,630	21,642	23.8	880	60	20.5
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	2,201	38,910	43,977	5.6	975	50	25.5
Tinted Window Glass	1,323	29,887	40,426	6.8	953	53	25.5
Reflective Window Glass	308	8,544	12,301	6.0	867	50	23.5
External Overhangs or Awnings	1,233	17,242	22,365	5.0	933	54	30.5
Skylights or Atriums	331	12,546	14,163	9.9	1,333	56	24.5
Daylighting Sensors	74	2,868	3,775	8.2	1,025	60	25.5
Specular Reflectors	928	26,118	33,030	7.0	900	50	27.5
Electronic Ballasts	2,577	46,882	59,003	5.2	1,000	50	28.5
Energy Management and Control System (EMCS) for Lighting	60	4,781	7,098	25.0	833	65	14.5

Table B2. Summary Table: Totals and Medians of Floorspace, Number of Workers, and Hours of Operation for Non-Mall Buildings, 2003

	Number of Buildings (thousand)	Total Floorspace (million square feet)	Total Workers in All Buildings (thousand)	Median Square Feet per Building (thousand)	Median Square Feet per Worker	Median Hours per Week	Median Age of Buildings (years)
All Buildings*	4,645	64,783	72,807	4.6	1,000	50	30.5
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	2,878	42,722	49,300	5.0	980	50	31.5
Cooling	2,761	43,205	53,990	5.0	920	50	30.5
Lighting	3,685	46,987	56,421	4.8	975	50	31.5
Office Equipment	1,504	19,397	20,147	5.0	975	48	30.5

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 B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	364	725	965	498	6,789	1,025	1,895	2,533	1,336
5,001 to 10,000	889	149	213	361	165	6,585	1,123	1,565	2,658	1,239
10,001 to 25,000	738	127	198	278	135	11,535	1,972	3,098	4,378	2,087
25,001 to 50,000	241	36	71	88	46	8,668	1,292	2,567	3,168	1,643
50,001 to 100,000	129	27	34	49	19	9,057	2,040	2,260	3,435	1,322
100,001 to 200,000	65	15	17	25	8	9,064	2,117	2,296	3,475	1,177
200,001 to 500,000	25	6	8	7	5	7,176	1,781	2,196	1,914	1,286
Over 500,000	7	2	1	2	2	5,908	1,556	1,203	1,928	1,221
Principal Building Activity										
Education	386	31	63	156	136	9,874	1,683	2,541	3,983	1,667
Food Sales	226	40	57	94	Q	1,255	238	320	487	Q
Food Service	297	37	88	127	45	1,654	172	453	764	265
Health Care	129	18	31	48	31	3,163	535	798	1,277	553
Inpatient	8	1	2	4	1	1,905	358	438	838	270
Outpatient	121	17	29	44	30	1,258	177	359	438	283
Lodging	142	27	34	52	30	5,096	1,171	1,144	1,694	1,087
Retail (Other Than Mall)	443	76	111	197	60	4,317	630	880	1,844	963
Office	824	155	231	250	187	12,208	3,012	2,989	3,782	2,425
Public Assembly	277	63	57	92	65	3,939	1,048	1,012	1,174	706
Public Order and Safety	71	23	20	15	Q	1,090	362	221	373	Q
Religious Worship	370	52	107	158	53	3,754	627	1,115	1,498	515
Service	622	100	221	198	103	4,050	740	1,289	1,358	664
Warehouse and Storage	597	65	160	277	95	10,078	1,523	3,017	3,966	1,572
Other	79	17	31	21	9	1,738	649	316	Q	186
Vacant	182	23	55	88	Q	2,567	517	984	701	Q
Year Constructed										
Before 1920	330	122	139	47	21	3,769	1,406	1,552	516	295
1920 to 1945	527	121	163	152	91	6,871	2,504	2,099	1,348	920
1946 to 1959	562	105	157	161	138	7,045	2,094	2,027	1,795	1,128
1960 to 1969	579	108	131	192	148	8,101	1,737	2,229	2,538	1,597
1970 to 1979	731	71	196	297	167	10,772	1,723	3,237	3,726	2,086
1980 to 1989	707	97	163	351	95	10,332	1,374	1,949	4,768	2,241
1990 to 1999	876	69	228	411	168	12,360	1,370	2,746	6,241	2,004
2000 to 2003	334	31	90	163	51	5,533	698	1,240	2,557	1,038
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	204	445	N	206	10,622	2,416	5,615	N	2,591
5,500-7,000 HDD	1,173	329	641	N	202	17,335	5,398	9,867	N	2,070
4,000-5,499 HDD	673	193	Q	273	28	11,504	5,092	1,597	4,122	693
Fewer than 4,000 HDD	1,276	N	N	870	406	15,739	N	N	10,338	5,401
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	N	N	633	36	9,584	N	N	9,029	555
Number of Floors										
One	3,136	312	801	1,381	642	25,981	3,151	6,104	11,757	4,969
Two	1,031	230	328	289	183	16,270	3,029	5,177	4,946	3,118
Three	339	130	107	68	35	7,501	2,083	2,584	1,938	896
Four to Nine	128	50	29	33	16	10,085	3,003	2,660	3,094	1,328
Ten or More	12	4	2	4	3	4,947	1,640	555	1,754	999

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Table B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Elevators and Escalators (more than one may apply)										
Any Elevators	309	71	107	91	41	24,617	6,137	6,677	7,949	3,855
Number of Elevators										
One	208	45	82	58	24	8,221	1,585	3,084	2,475	1,077
Two to Five	88	22	23	28	14	10,129	2,971	2,704	3,094	1,360
Six or More	13	4	2	4	3	6,268	1,581	889	2,380	1,418
Any Escalators	6	2	Q	2	Q	2,350	541	Q	1,002	Q
Number of Workers (main shift)										
Fewer than 5	2,653	363	787	1,033	469	15,492	2,376	4,958	5,670	2,489
5 to 9	778	137	173	317	151	6,166	1,085	1,463	2,595	1,023
10 to 19	563	110	145	200	108	7,803	1,872	2,081	2,741	1,109
20 to 49	398	66	102	136	94	10,989	2,314	2,856	3,883	1,935
50 to 99	147	27	37	50	33	7,934	1,598	2,311	2,654	1,370
100 to 249	77	16	15	28	18	6,871	1,331	1,609	2,534	1,397
250 or More	30	7	6	10	6	9,528	2,329	1,800	3,413	1,986
Weekly Operating Hours										
Fewer than 40	1,002	112	309	410	172	6,863	923	2,300	2,544	1,096
40 to 48	1,117	158	283	438	238	11,622	2,111	2,783	4,567	2,161
49 to 60	1,062	184	289	378	210	15,723	3,098	4,614	5,556	2,455
61 to 84	591	114	155	215	107	10,334	2,048	2,583	3,754	1,950
85 to 167	400	73	108	155	63	7,092	1,317	2,008	2,459	1,308
Open Continuously	475	86	123	178	88	13,149	3,407	2,793	4,608	2,340
Ownership and Occupancy										
Nongovernment Owned	4,011	642	1,118	1,563	689	49,421	10,389	12,470	17,826	8,736
Owner Occupied	1,841	365	557	598	321	23,591	5,904	6,171	7,869	3,648
Nonowner Occupied	2,029	261	518	888	362	23,914	4,204	5,539	9,358	4,813
Unoccupied	141	Q	43	77	Q	1,916	Q	760	600	Q
Government Owned	635	84	149	212	190	15,363	2,517	4,610	5,662	2,574
Federal	46	Q	11	6	Q	1,956	Q	Q	521	Q
State	164	25	24	50	66	3,808	599	764	1,718	727
Local	425	51	114	156	103	9,599	1,706	2,925	3,423	1,545
Vacancy Status										
Completely Vacant	157	Q	47	84	Q	2,161	Q	892	652	Q
Mostly Vacant	25	Q	Q	Q	Q	406	Q	Q	Q	Q
Partially Vacant	548	100	138	213	98	12,382	3,117	3,119	4,061	2,085
Not At All Vacant	3,915	603	1,073	1,474	765	49,834	9,271	12,976	18,726	8,860
Number of Establishments										
One	3,754	559	1,047	1,444	704	45,144	8,061	12,359	16,947	7,776
2 to 5	643	130	157	215	141	10,960	2,517	2,803	3,740	1,900
6 to 10	55	12	12	16	15	1,958	571	510	550	327
11 to 20	23	5	2	9	7	1,951	722	301	589	340
More than 20	14	3	Q	7	3	2,609	696	Q	1,011	688
Currently Unoccupied	157	Q	47	84	Q	2,161	Q	892	652	Q

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Table B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Predominant Exterior Wall Material										
Brick, Stone or Stucco	2,044	331	520	789	403	32,817	7,248	9,248	11,574	4,747
Concrete (Block or Poured)	786	120	222	347	97	10,832	2,184	2,887	3,985	1,777
Concrete Panels	131	10	23	51	46	6,559	599	1,230	2,758	1,972
Siding or Shingles	779	193	233	202	150	4,120	1,193	1,183	1,045	698
Metal Panels	825	58	245	359	162	7,912	1,054	1,880	3,426	1,552
Window Glass	17	Q	Q	10	Q	1,024	Q	Q	280	Q
Other	47	Q	13	Q	Q	1,113	Q	303	Q	Q
No One Major Type	18	Q	Q	Q	Q	406	Q	Q	Q	Q
Predominant Roof Material										
Built-Up	1,036	176	252	387	221	21,170	4,068	5,262	7,430	4,411
Shingles (Not Wood)	1,325	260	412	442	211	10,195	2,022	3,199	3,325	1,649
Metal Surfacing	1,288	97	329	610	252	11,944	1,027	2,663	6,309	1,946
Synthetic or Rubber	511	119	198	134	60	14,730	4,116	4,443	4,298	1,873
Slate or Tile	263	41	35	109	77	2,462	480	306	1,056	620
Wooden Materials	122	Q	Q	53	39	887	Q	Q	301	244
Concrete	61	Q	Q	27	13	2,231	Q	Q	426	400
Other	16	Q	Q	Q	Q	598	Q	Q	Q	Q
No One Major Type	25	Q	Q	Q	Q	565	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation Since 1980	1,018	225	327	290	177	17,844	5,104	5,437	4,462	2,841
Addition or Annex	256	46	74	85	51	6,551	1,797	1,970	1,804	979
Reduction In Floorspace	22	8	Q	Q	Q	1,012	404	Q	Q	Q
Cosmetic Improvements	741	177	225	212	126	13,119	3,952	3,879	3,105	2,183
Wall or Roof Replacement	370	105	122	89	54	8,070	2,676	2,238	1,863	1,294
Interior Wall Re-Configuration	411	118	129	81	82	8,518	2,489	2,586	1,936	1,507
HVAC Equipment Upgrade	442	116	140	114	71	10,768	3,027	3,332	2,584	1,825
Lighting Upgrade	455	130	132	108	85	10,275	3,350	3,059	2,092	1,775
Window Replacement	310	108	86	51	65	6,354	2,750	1,847	916	842
Plumbing System Upgrade	315	93	86	69	68	7,144	2,511	1,898	1,366	1,369
Insulation Upgrade	227	69	72	50	36	4,015	1,370	1,212	857	576
Other Renovation	19	Q	Q	Q	Q	523	Q	Q	Q	Q
No Renovations Since 1980	1,710	304	459	560	388	18,714	4,360	5,708	5,462	3,185
Building Newer than 1980	1,917	197	481	925	314	28,225	3,441	5,935	13,565	5,283
Energy Sources (more than one may apply)										
Electricity	4,404	710	1,189	1,654	851	63,307	12,809	16,701	22,766	11,030
Natural Gas	2,391	397	802	714	479	43,468	9,181	13,163	13,311	7,813
Fuel Oil	451	254	76	84	37	15,157	6,080	2,832	4,122	2,123
District Heat	67	17	13	21	15	5,443	1,363	1,648	1,766	667
District Chilled Water	33	6	4	14	9	2,853	620	596	1,150	487
Propane	502	73	173	176	80	7,076	1,354	2,189	2,360	1,173
Other	132	26	42	28	37	1,401	222	505	306	367

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Table B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	672	1,112	1,462	735	60,028	12,596	16,331	20,998	10,102
Buildings with Cooling	3,625	519	957	1,479	671	56,940	10,954	14,484	21,553	9,950
Buildings with Water Heating	3,472	600	987	1,217	668	56,478	11,789	14,928	19,913	9,848
Buildings with Cooking	801	157	206	304	134	22,237	5,016	5,850	7,881	3,489
Buildings with Manufacturing	119	30	30	33	26	3,138	1,013	798	642	685
Buildings with Electricity Generation	149	42	40	41	26	12,821	3,245	3,317	4,017	2,241
Percent of Floorspace Heated										
Not Heated	663	54	154	312	143	4,756	309	748	2,491	1,208
1 to 50	523	74	117	236	95	6,850	1,387	1,130	2,841	1,491
51 to 99	498	84	141	168	105	8,107	1,539	1,727	2,891	1,950
100	2,962	514	853	1,059	535	45,071	9,671	13,474	15,266	6,661
Percent of Floorspace Cooled										
Not Cooled	1,020	208	309	296	208	7,843	1,952	2,596	1,936	1,359
1 to 50	985	184	293	366	142	16,598	4,270	4,757	4,915	2,656
51 to 99	629	97	197	195	140	13,211	3,101	3,761	3,903	2,446
100	2,011	237	467	918	388	27,132	3,582	5,966	12,735	4,849
Percent Lit When Open										
Zero	47	Q	Q	Q	Q	293	Q	Q	Q	Q
1 to 50	929	187	279	281	182	10,203	2,750	2,753	3,189	1,512
51 to 99	1,108	170	355	357	227	18,288	3,599	5,299	6,134	3,256
100	2,176	327	488	936	425	32,789	6,051	7,781	12,874	6,083
Building Never Open/ Electricity Not Used	386	37	140	171	37	3,210	465	1,227	1,108	Q
Percent Lit When Closed										
Zero	1,964	289	541	735	399	17,385	2,807	5,174	6,292	3,112
1 to 50	1,882	329	512	707	334	30,948	6,279	8,293	11,027	5,349
51 to 100	136	Q	29	61	33	2,093	Q	499	1,013	238
Building Never Closed/ Electricity Not Used	664	94	185	272	113	14,357	3,476	3,114	5,157	2,611
Heating Equipment (more than one may apply)										
Heat Pumps	476	47	45	304	80	8,814	1,213	1,058	4,942	1,600
Packaged Heat Pumps	278	30	27	173	48	5,442	744	738	2,928	1,031
Split-System Heat Pumps	166	Q	Q	113	Q	2,581	Q	Q	1,862	368
Individual Room Heat Pumps	58	5	6	33	13	2,691	544	358	1,250	538
Furnaces	1,864	310	736	467	352	19,615	3,596	7,229	5,715	3,075
Individual Space Heaters	819	122	242	271	185	12,545	2,786	4,169	3,608	1,981
District Heat	65	17	13	20	15	5,166	1,245	1,623	1,683	615
Boilers	579	227	175	88	89	20,423	6,228	6,141	4,393	3,662
Packaged Heating Units	953	95	151	532	175	18,021	2,912	3,666	8,130	3,312
Other	205	22	80	56	47	3,262	579	820	1,381	481

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Table B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	1,006	144	363	360	138	11,035	2,391	3,609	3,854	1,181
Heat Pumps	492	59	49	303	81	9,041	1,270	1,063	4,923	1,785
Packaged Heat Pumps	288	42	30	170	46	5,426	788	760	2,849	1,030
Split-System Heat Pumps	174	Q	Q	116	Q	2,606	Q	Q	1,868	404
Individual Room Heat Pumps	58	6	6	33	13	2,940	557	358	1,290	734
Individual Air Conditioners	742	179	209	229	125	12,558	3,687	3,488	3,635	1,749
District Chilled Water	33	6	4	14	9	2,853	620	596	1,150	487
Central Chillers	111	10	29	50	22	11,636	1,852	2,842	4,854	2,088
Packaged Air Conditioning Units	1,613	202	425	681	304	29,969	6,000	8,086	10,401	5,482
Swamp Coolers	122	Q	Q	Q	113	1,561	Q	Q	Q	1,342
Other	40	Q	10	12	Q	1,232	Q	330	430	Q
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	1,197	216	365	432	184	16,403	3,974	5,026	4,815	2,588
Cooling	1,356	266	376	481	233	20,995	5,453	5,752	6,415	3,374
Office Equipment (more than one may apply)										
Computers	3,081	504	814	1,120	643	55,627	11,518	14,415	19,715	9,980
With Flat Screen Monitors	877	189	216	305	166	26,417	5,995	6,346	9,135	4,940
Dedicated Servers	1,175	230	319	367	258	36,338	8,143	9,252	12,649	6,294
Laser Printers	1,970	344	505	718	403	33,012	7,095	8,463	11,566	5,888
Inkjet Printers	1,420	222	379	506	314	32,210	6,415	8,305	11,480	6,009
FAX Machines	2,715	474	701	1,006	533	52,373	11,173	13,295	18,782	9,123
Photocopiers	1,939	352	494	687	407	46,257	9,893	11,859	16,312	8,193
Number of Computers										
None	1,565	222	452	655	235	9,156	1,388	2,664	3,774	1,330
1 to 4	1,670	253	446	646	325	12,395	2,081	3,743	4,419	2,151
5 to 9	559	103	150	199	108	7,179	1,604	1,938	2,538	1,099
10 to 19	370	63	102	114	91	6,610	1,321	1,690	2,403	1,196
20 to 49	255	47	61	77	70	7,414	1,504	1,932	2,425	1,554
50 to 99	110	15	25	42	28	5,376	1,157	1,049	2,102	1,068
100 to 249	79	14	21	29	15	6,690	1,260	1,851	2,262	1,317
250 or More	38	9	9	13	6	9,963	2,590	2,213	3,565	1,595
Number of Dedicated Servers										
None	3,471	496	947	1,407	620	28,445	4,763	7,828	10,839	5,015
1 to 4	1,060	210	290	326	234	24,116	5,247	6,567	8,208	4,093
5 to 9	58	9	15	19	16	3,864	914	966	1,313	671
10 to 19	30	4	7	15	4	3,027	578	773	1,126	552
20 to 49	17	4	4	6	4	2,583	493	334	1,265	491
50 or More	10	3	Q	2	1	2,748	912	Q	737	487
Number of Photocopiers										
None	2,706	374	773	1,088	472	18,526	3,012	5,221	7,176	3,117
One	1,250	208	332	463	247	15,475	3,027	4,235	5,460	2,753
2 to 4	549	113	130	173	133	15,082	2,944	4,026	5,518	2,594
5 to 9	85	21	20	30	14	5,515	1,518	1,401	1,782	814
10 or More	54	11	11	20	13	10,185	2,404	2,196	3,553	2,032

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Table B3. Census Region, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	North-east	Mid-west	South	West	All Buildings*	North-east	Mid-west	South	West
All Buildings*	4,645	726	1,266	1,775	878	64,783	12,905	17,080	23,489	11,310
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	799	157	206	303	134	22,223	5,016	5,850	7,880	3,478
Activities with Large Amounts of Hot Water	567	93	134	207	133	19,482	3,922	5,225	6,903	3,432
Separate Computer Area	553	99	134	190	130	26,873	5,925	6,482	9,397	5,070
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	62	107	180	116	19,597	3,780	5,001	7,348	3,468
Economizer Cycle	508	90	136	138	144	21,108	4,141	5,884	6,632	4,452
HVAC Maintenance	2,581	498	642	878	563	51,163	11,047	13,128	17,641	9,347
Energy Management and Control System (EMCS)	252	28	55	101	68	15,630	3,002	3,799	5,802	3,027
Window and Interior Lighting Features (more than one may apply)										
Multipaned Windows	2,201	427	742	651	381	38,910	9,308	11,761	12,305	5,536
Tinted Window Glass	1,323	140	339	572	272	29,887	4,958	7,319	11,950	5,660
Reflective Window Glass	308	47	77	103	81	8,544	1,661	2,165	3,010	1,707
External Overhangs or Awnings	1,233	149	352	463	269	17,242	2,687	4,225	6,785	3,545
Skylights or Atriums	331	57	90	110	74	12,546	2,892	3,267	3,922	2,466
Daylighting Sensors	74	Q	25	16	24	2,868	428	815	674	951
Specular Reflectors	928	160	291	282	195	26,118	5,834	7,709	7,871	4,703
Electronic Ballasts	2,577	384	767	896	530	46,882	9,288	12,610	16,459	8,525
Energy Management and Control System (EMCS) for Lighting	60	6	11	21	23	4,781	849	1,292	1,471	1,169
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]										
Heating	2,878	510	757	1,040	571	42,722	9,519	10,908	14,655	7,639
Cooling	2,761	416	676	1,129	539	43,205	8,812	10,469	16,094	7,829
Lighting	3,685	591	996	1,384	715	46,987	8,706	12,884	17,115	8,282
Office Equipment	1,504	263	386	556	298	19,397	4,269	5,412	6,426	3,291

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

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

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

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

CONTINUED

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

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

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

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

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

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

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

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

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

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

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

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

N=No responding cases in sample.

Notes: ● HVAC = Heating, Ventilation, and Air Conditioning. ● Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings*	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Building Floorspace (Square Feet)										
1,001 to 5,000	6,789	360	666	974	922	1,207	538	788	464	871
5,001 to 10,000	6,585	359	764	843	722	1,387	393	879	418	820
10,001 to 25,000	11,535	553	1,419	1,934	1,164	2,240	810	1,329	831	1,256
25,001 to 50,000	8,668	347	944	1,618	949	1,672	498	998	511	1,132
50,001 to 100,000	9,057	516	1,524	1,618	642	1,470	650	1,314	374	948
100,001 to 200,000	9,064	414	1,703	1,682	614	2,087	Q	1,131	Q	895
200,001 to 500,000	7,176	Q	1,673	1,801	395	1,072	Q	664	339	947
Over 500,000	5,908	Q	1,248	1,126	Q	1,123	Q	Q	Q	766
Principal Building Activity										
Education	9,874	Q	1,384	1,990	552	2,445	341	1,198	640	1,027
Food Sales	1,255	Q	Q	218	Q	223	Q	Q	Q	Q
Food Service	1,654	Q	127	248	206	433	99	232	Q	232
Health Care	3,163	Q	464	551	247	749	219	309	230	323
Inpatient	1,905	Q	310	316	Q	469	Q	235	Q	176
Outpatient	1,258	Q	Q	235	Q	280	Q	Q	Q	147
Lodging	5,096	374	797	548	595	939	368	387	438	649
Retail (Other Than Mall)	4,317	Q	419	544	337	897	353	594	210	753
Office	12,208	578	2,434	2,190	799	1,958	481	1,343	629	1,796
Public Assembly	3,939	Q	769	635	377	440	Q	498	Q	468
Public Order and Safety	1,090	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	3,754	Q	474	720	395	721	310	467	Q	341
Service	4,050	Q	620	775	514	753	307	298	345	319
Warehouse and Storage	10,078	Q	1,112	2,023	994	1,836	390	1,740	506	1,066
Other	1,738	Q	501	248	Q	Q	Q	Q	Q	Q
Vacant	2,567	Q	Q	791	Q	252	Q	350	Q	Q
Year Constructed										
Before 1920	3,769	444	962	999	553	Q	Q	Q	Q	Q
1920 to 1945	6,871	611	1,893	1,603	496	650	300	398	Q	783
1946 to 1959	7,045	Q	1,745	1,454	574	1,097	239	460	255	873
1960 to 1969	8,101	Q	1,393	1,380	850	1,379	483	675	592	1,005
1970 to 1979	10,772	450	1,273	2,198	1,039	1,464	789	1,473	924	1,162
1980 to 1989	10,332	265	1,109	1,486	463	2,403	431	1,934	700	1,541
1990 to 1999	12,360	Q	1,130	1,655	1,091	3,652	766	1,823	627	1,377
2000 to 2003	5,533	Q	435	820	420	1,272	342	943	307	731
Number of Floors										
One	25,981	545	2,606	3,877	2,227	5,753	1,641	4,362	1,871	3,098
Two	16,270	742	2,288	3,251	1,926	2,700	864	1,381	990	2,128
Three	7,501	755	1,327	1,881	703	1,043	442	453	181	715
Four to Nine	10,085	793	2,210	2,081	579	2,003	355	736	338	990
Ten or More	4,947	Q	1,510	506	Q	759	Q	904	Q	704
Elevators and Escalators (more than one may apply)										
Any Elevators	24,617	1,375	4,762	5,050	1,627	4,612	923	2,414	1,069	2,785
Number of Elevators										
One	8,221	500	1,086	2,224	860	1,475	369	631	414	662
Two to Five	10,129	723	2,248	2,060	644	1,900	386	808	275	1,085
Six or More	6,268	Q	1,428	766	Q	1,237	168	975	Q	1,039
Any Escalators	2,350	Q	494	Q	Q	Q	Q	Q	Q	Q

Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings*	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Number of Workers (main shift)										
Fewer than 5	15,492	776	1,599	3,195	1,763	2,517	1,107	2,046	766	1,723
5 to 9	6,166	401	684	866	598	1,284	476	835	345	678
10 to 19	7,803	409	1,463	1,214	867	1,392	350	999	428	681
20 to 49	10,989	350	1,964	1,980	876	1,773	701	1,408	645	1,291
50 to 99	7,934	Q	1,110	1,570	742	1,611	Q	840	558	812
100 to 249	6,871	Q	1,034	1,212	397	1,737	Q	451	311	1,086
250 or More	9,528	Q	2,087	1,558	242	1,943	Q	1,259	622	1,364
Weekly Operating Hours										
Fewer than 40	6,863	Q	725	1,600	700	1,211	416	918	291	804
40 to 48	11,622	440	1,672	1,746	1,036	2,109	770	1,688	783	1,378
49 to 60	15,723	837	2,261	3,340	1,273	3,074	610	1,872	712	1,744
61 to 84	10,334	494	1,554	1,737	845	1,926	600	1,228	592	1,358
85 to 167	7,092	Q	1,078	1,450	558	1,402	Q	882	357	950
Open Continuously	13,149	756	2,651	1,721	1,073	2,536	823	1,250	940	1,401
Ownership and Occupancy										
Nongovernment Owned	49,421	2,283	8,106	8,015	4,455	9,049	2,453	6,325	2,611	6,125
Owner Occupied	23,591	1,587	4,317	3,755	2,416	4,141	967	2,761	976	2,672
Nonowner Occupied	23,914	669	3,535	3,597	1,942	4,678	1,450	3,230	1,624	3,189
Unoccupied	1,916	Q	Q	663	Q	Q	Q	Q	Q	Q
Government Owned	15,363	682	1,835	3,580	1,030	3,209	940	1,512	1,064	1,510
Federal	1,956	Q	Q	Q	Q	Q	Q	Q	Q	Q
State	3,808	Q	386	536	Q	726	507	Q	Q	565
Local	9,599	346	1,360	2,199	726	2,078	376	969	681	864
Vacancy Status										
Completely Vacant	2,161	Q	Q	756	Q	241	Q	346	Q	Q
Mostly Vacant	406	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	12,382	1,031	2,086	2,255	864	1,980	397	1,685	750	1,335
Not At All Vacant	49,834	1,795	7,475	8,549	4,427	10,026	2,898	5,802	2,882	5,978
Number of Establishments										
One	45,144	1,784	6,277	8,315	4,044	8,902	2,707	5,339	2,794	4,982
2 to 5	10,960	615	1,901	1,833	970	2,139	385	1,217	538	1,362
6 to 10	1,958	Q	411	264	Q	Q	Q	Q	Q	211
11 to 20	1,951	Q	Q	Q	Q	Q	Q	Q	Q	Q
More than 20	2,609	Q	641	Q	Q	320	Q	639	Q	547
Currently Unoccupied	2,161	Q	Q	756	Q	241	Q	346	Q	Q
Predominant Exterior Wall Material										
Brick, Stone or Stucco	32,817	1,541	5,707	7,166	2,082	6,051	1,824	3,699	1,551	3,195
Concrete (Block or Poured)	10,832	284	1,900	1,885	1,002	2,371	641	973	462	1,315
Concrete Panels	6,559	Q	550	855	375	1,416	Q	1,216	695	1,277
Siding or Shingles	4,120	779	415	473	711	649	Q	281	Q	461
Metal Panels	7,912	Q	862	651	1,229	1,450	616	1,360	634	918
Window Glass	1,024	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other	1,113	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	Q	Q	Q	N	Q	Q	Q

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Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings*	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Predominant Roof Material										
Built-Up	21,170	704	3,363	3,913	1,349	4,125	827	2,479	1,421	2,990
Shingles (Not Wood)	10,195	683	1,340	2,070	1,129	1,889	638	797	475	1,174
Metal Surfacing	11,944	Q	780	1,046	1,616	2,557	1,116	2,635	944	1,001
Synthetic or Rubber	14,730	1,018	3,097	3,453	990	2,449	643	1,206	664	1,209
Slate or Tile	2,462	Q	398	236	Q	624	Q	279	Q	552
Wooden Materials	887	Q	Q	Q	Q	Q	Q	Q	Q	212
Concrete	2,231	Q	Q	Q	Q	Q	N	Q	Q	353
Other	598	Q	Q	Q	Q	Q	N	Q	Q	Q
No One Major Type	565	Q	Q	Q	Q	Q	N	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation Since 1980	17,844	1,445	3,659	3,492	1,945	2,304	884	1,273	1,095	1,746
Addition or Annex	6,551	Q	1,395	1,243	727	884	392	529	551	428
Reduction In Floorspace	1,012	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	13,119	943	3,010	2,354	1,525	1,497	677	931	718	1,465
Wall or Roof Replacement	8,070	720	1,955	1,367	871	961	340	562	504	789
Interior Wall Re-Configuration	8,518	639	1,850	1,709	877	1,036	334	566	637	870
HVAC Equipment Upgrade	10,768	739	2,287	2,136	1,197	1,559	464	561	776	1,049
Lighting Upgrade	10,275	853	2,497	1,985	1,074	1,186	440	466	733	1,042
Window Replacement	6,354	688	2,061	1,339	508	505	Q	266	332	510
Plumbing System Upgrade	7,144	633	1,878	1,177	721	782	262	323	517	852
Insulation Upgrade	4,015	356	1,014	700	512	468	Q	231	Q	411
Other Renovation	523	Q	Q	Q	N	Q	Q	N	Q	Q
No Renovations Since 1980	18,714	752	3,608	4,142	1,566	2,626	971	1,864	945	2,240
Building Newer than 1980	28,225	767	2,675	3,961	1,974	7,327	1,538	4,700	1,634	3,649
Energy Sources (more than one may apply)										
Electricity	63,307	2,942	9,867	11,373	5,328	12,097	3,220	7,449	3,633	7,397
Natural Gas	43,468	1,465	7,716	9,570	3,593	6,326	2,281	4,704	2,797	5,016
Fuel Oil	15,157	1,577	4,502	1,871	961	2,639	341	1,141	626	1,497
District Heat	5,443	Q	1,082	1,420	Q	1,243	Q	Q	253	413
District Chilled Water	2,853	Q	583	569	Q	667	Q	284	Q	300
Propane	7,076	Q	505	Q	991	1,548	265	547	555	618
Other	1,401	Q	Q	283	222	Q	Q	Q	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	60,028	2,819	9,778	11,223	5,108	11,012	3,056	6,929	3,525	6,577
Buildings with Cooling	56,940	2,021	8,932	9,790	4,694	11,474	2,985	7,094	3,267	6,683
Buildings with Water Heating	56,478	2,724	9,065	10,208	4,720	10,714	2,858	6,341	3,422	6,426
Buildings with Cooking	22,237	938	4,078	4,378	1,472	4,198	1,055	2,628	1,209	2,280
Buildings with Manufacturing	3,138	Q	679	489	Q	296	Q	Q	Q	412
Buildings with Electricity Generation	12,821	567	2,678	2,558	760	2,396	324	1,297	738	1,504
Percent of Floorspace Heated										
Not Heated	4,756	Q	Q	372	377	1,246	337	908	Q	1,057
1 to 50	6,850	Q	899	774	356	1,105	353	1,384	Q	1,257
51 to 99	8,107	418	1,120	1,214	513	1,864	309	718	569	1,381
100	45,071	1,913	7,758	9,235	4,239	8,043	2,394	4,828	2,721	3,940

Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings*	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Percent of Floorspace Cooled										
Not Cooled	7,843	943	1,009	1,805	791	784	408	744	407	952
1 to 50	16,598	922	3,349	3,186	1,571	2,418	472	2,025	918	1,738
51 to 99	13,211	550	2,551	2,436	1,325	2,624	459	820	886	1,559
100	27,132	550	3,033	4,169	1,797	6,431	2,054	4,249	1,463	3,386
Percent Lit When Open										
Zero	293	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	10,203	953	1,796	1,575	1,178	1,313	505	1,371	382	1,130
51 to 99	18,288	1,070	2,529	3,641	1,658	3,293	913	1,928	1,095	2,161
100	32,789	830	5,221	5,418	2,362	7,210	1,730	3,933	2,136	3,947
Building Never Open/ Electricity Not Used	3,210	Q	372	946	281	363	Q	553	Q	Q
Percent Lit When Closed										
Zero	17,385	721	2,086	3,237	1,936	3,431	623	2,239	1,118	1,994
1 to 50	30,948	1,400	4,880	6,101	2,192	5,687	1,682	3,658	1,526	3,823
51 to 100	2,093	Q	Q	Q	Q	491	Q	374	Q	180
Building Never Closed/ Electricity Not Used	14,357	764	2,711	1,916	1,197	2,649	942	1,565	973	1,638
Heating Equipment (more than one may apply)										
Heat Pumps	8,814	Q	1,019	719	339	3,677	542	722	333	1,268
Packaged Heat Pumps	5,442	Q	656	541	Q	2,145	246	537	Q	741
Split-System Heat Pumps	2,581	Q	Q	Q	Q	1,459	214	Q	Q	305
Individual Room Heat Pumps	2,691	Q	430	Q	Q	1,039	Q	Q	Q	431
Furnaces	19,615	990	2,606	4,572	2,657	2,772	895	2,048	1,302	1,773
Individual Space Heaters	12,545	1,011	1,775	2,544	1,625	2,148	563	898	692	1,290
District Heat	5,166	Q	1,000	1,420	Q	1,173	Q	Q	253	362
Boilers	20,423	1,465	4,763	4,466	1,675	2,135	786	1,472	1,359	2,302
Packaged Heating Units	18,021	615	2,297	2,531	1,135	3,917	1,215	2,998	748	2,564
Other	3,262	Q	408	434	386	905	Q	399	347	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	11,035	291	2,100	2,040	1,568	1,843	489	1,523	341	841
Heat Pumps	9,041	Q	1,008	746	317	3,742	586	595	430	1,355
Packaged Heat Pumps	5,426	Q	646	563	Q	2,104	294	451	Q	742
Split-System Heat Pumps	2,606	Q	Q	Q	Q	1,494	225	Q	Q	322
Individual Room Heat Pumps	2,940	Q	430	Q	Q	1,079	Q	Q	Q	546
Individual Air Conditioners	12,558	925	2,762	2,199	1,289	2,218	610	806	730	1,019
District Chilled Water	2,853	Q	583	569	Q	667	Q	284	Q	300
Central Chillers	11,636	383	1,469	2,074	768	2,489	594	1,771	621	1,466
Packaged Air Conditioning Units	29,969	872	5,128	5,505	2,581	5,520	1,555	3,325	1,655	3,826
Swamp Coolers	1,561	Q	Q	Q	N	Q	Q	Q	874	468
Other	1,232	Q	Q	317	Q	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	16,403	1,013	2,961	3,273	1,754	2,253	886	1,675	1,133	1,455
Cooling	20,995	1,100	4,353	3,700	2,052	3,111	1,059	2,245	1,356	2,018

Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings*	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Office Equipment (more than one may apply)										
Computers	55,627	2,521	8,996	9,882	4,533	10,483	2,724	6,507	3,282	6,698
With Flat Screen Monitors	26,417	1,156	4,839	4,584	1,762	4,768	1,314	3,053	1,365	3,575
Dedicated Servers	36,338	1,656	6,486	6,456	2,796	6,839	1,606	4,204	1,959	4,335
Laser Printers	33,012	1,569	5,526	5,678	2,784	6,059	1,813	3,694	2,165	3,723
Inkjet Printers	32,210	1,204	5,211	5,817	2,489	6,138	1,502	3,840	1,901	4,108
FAX Machines	52,373	2,367	8,806	9,138	4,157	9,973	2,551	6,258	2,983	6,140
Photocopiers	46,257	1,869	8,024	8,273	3,586	8,821	2,211	5,281	2,753	5,439
Number of Computers										
None	9,156	443	945	1,712	952	1,775	669	1,330	393	937
1 to 4	12,395	570	1,511	2,536	1,207	2,124	807	1,488	707	1,444
5 to 9	7,179	Q	1,087	1,112	826	1,154	520	864	450	649
10 to 19	6,610	329	992	1,069	621	1,321	Q	910	371	825
20 to 49	7,414	322	1,182	1,196	736	1,207	437	780	548	1,006
50 to 99	5,376	Q	1,018	744	305	1,265	Q	490	285	784
100 to 249	6,690	Q	1,054	1,221	630	1,353	Q	660	448	869
250 or More	9,963	439	2,151	2,005	208	2,059	Q	1,315	473	1,122
Number of Dedicated Servers										
None	28,445	1,308	3,455	5,139	2,689	5,419	1,788	3,633	1,716	3,299
1 to 4	24,116	1,028	4,219	4,202	2,366	4,155	1,272	2,782	1,428	2,665
5 to 9	3,864	Q	604	754	212	966	Q	Q	Q	601
10 to 19	3,027	Q	437	647	Q	837	Q	Q	Q	414
20 to 49	2,583	Q	411	Q	Q	524	Q	Q	Q	Q
50 or More	2,748	Q	815	Q	Q	Q	Q	Q	Q	Q
Number of Photocopiers										
None	18,526	1,095	1,917	3,322	1,899	3,437	1,182	2,557	921	2,196
One	15,475	683	2,344	2,620	1,615	2,611	1,016	1,833	995	1,757
2 to 4	15,082	643	2,302	2,745	1,281	3,060	659	1,799	887	1,706
5 to 9	5,515	Q	1,250	1,013	388	1,124	Q	405	Q	634
10 or More	10,185	276	2,128	1,894	302	2,026	284	1,243	690	1,341
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	22,223	938	4,078	4,378	1,472	4,196	1,055	2,628	1,209	2,269
Activities with Large Amounts of Hot Water	19,482	995	2,927	3,546	1,678	4,178	949	1,776	1,384	2,048
Separate Computer Area	26,873	1,045	4,880	4,759	1,723	5,236	1,028	3,132	1,607	3,462
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	19,597	592	3,188	3,660	1,342	3,818	788	2,743	1,236	2,232
Economizer Cycle	21,108	824	3,317	4,350	1,533	3,815	828	1,988	1,383	3,069
HVAC Maintenance	51,163	2,311	8,736	9,424	3,704	9,547	2,258	5,836	3,065	6,282
Energy Management and Control System (EMCS)	15,630	429	2,573	2,835	965	3,426	542	1,834	857	2,170

Table B5. Census Region and Division, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
		Northeast		Midwest		South			West	
	All Buildings*	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings*	64,783	2,964	9,941	11,595	5,485	12,258	3,393	7,837	3,675	7,635
Window and Interior Lighting Features (more than one may apply)										
Multipaned Windows	38,910	2,307	7,001	8,023	3,738	7,191	1,685	3,429	2,656	2,880
Tinted Window Glass	29,887	803	4,155	5,393	1,925	6,498	1,169	4,283	1,617	4,043
Reflective Window Glass	8,544	Q	1,436	1,454	711	1,655	257	1,098	489	1,219
External Overhangs or Awnings	17,242	577	2,110	2,537	1,688	3,814	1,022	1,950	1,521	2,025
Skylights or Atriums	12,546	476	2,416	2,338	929	1,831	434	1,656	1,001	1,465
Daylighting Sensors	2,868	Q	319	608	Q	448	Q	Q	Q	674
Specular Reflectors	26,118	1,390	4,444	5,813	1,896	4,553	785	2,533	1,307	3,396
Electronic Ballasts	46,882	2,162	7,125	8,623	3,987	8,835	2,177	5,446	2,905	5,621
Energy Management and Control System (EMCS) for Lighting	4,781	Q	758	988	Q	810	Q	629	Q	923
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]										
Heating	42,722	1,768	7,751	7,595	3,314	7,843	2,124	4,688	2,456	5,183
Cooling	43,205	1,456	7,356	7,147	3,323	8,678	2,175	5,241	2,449	5,380
Lighting	46,987	2,067	6,639	8,846	4,037	9,061	2,340	5,715	2,608	5,674
Office Equipment	19,397	847	3,422	3,645	1,767	3,468	703	2,255	1,030	2,260

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

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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

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

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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
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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Table B6. Building Size, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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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Table B6. Building Size, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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
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

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

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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

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

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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

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

	Number of Buildings (thousand)								
		Building Size							
	All Buildings*	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
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/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 B7. Building Size, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Building Size							
	All Buildings*	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)								
		Building Size							
	All Buildings*	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

CONTINUED

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

	Total Floorspace (million square feet)								
		Building Size							
	All Buildings*	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

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

	Total Floorspace (million square feet)								
		Building Size							
	All Buildings*	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)								
		Building Size							
	All Buildings*	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)								
		Building Size							
	All Buildings*	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

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

	Total Floorspace (million square feet)								
		Building Size							
	All Buildings*	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)								
		Year Constructed							
	All Buildings*	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

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

	Number of Buildings (thousand)								
		Year Constructed							
	All Buildings*	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)								
		Year Constructed							
	All Buildings*	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)								
		Year Constructed							
	All Buildings*	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)								
		Year Constructed							
	All Buildings*	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)								
		Year Constructed							
	All Buildings*	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

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

	Number of Buildings (thousand)								
		Year Constructed							
	All Buildings*	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)								
		Year Constructed							
	All Buildings*	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

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

	Total Floorspace (million square feet)								
		Year Constructed							
	All Buildings*	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	1,597	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

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

	Total Floorspace (million square feet)								
		Year Constructed							
	All Buildings*	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

CONTINUED

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

	Total Floorspace (million square feet)								
		Year Constructed							
	All Buildings*	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

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

	Total Floorspace (million square feet)								
		Year Constructed							
	All Buildings*	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

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

	Total Floorspace (million square feet)								
		Year Constructed							
	All Buildings*	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

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

	Total Floorspace (million square feet)								
		Year Constructed							
	All Buildings*	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/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 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 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
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 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
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

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
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

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 B11. Selected Principal Building Activity: Part 1, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	4,645	386	226	297	8	121	142	443
Building Floorspace (Square Feet)								
1,001 to 5,000	2,552	162	164	202	N	56	38	241
5,001 to 10,000	889	56	44	65	N	38	21	97
10,001 to 25,000	738	60	Q	23	Q	19	38	83
25,001 to 50,000	241	48	Q	Q	Q	Q	23	14
50,001 to 100,000	129	39	Q	Q	Q	3	11	Q
100,001 to 200,000	65	16	Q	N	Q	Q	7	4
200,001 to 500,000	25	5	N	Q	2	Q	4	Q
Over 500,000	7	Q	N	N	1	N	Q	Q
Year Constructed								
Before 1920	330	12	Q	32	Q	Q	Q	37
1920 to 1945	527	26	Q	34	Q	Q	11	66
1946 to 1959	562	78	Q	30	Q	Q	17	62
1960 to 1969	579	60	Q	Q	1	Q	25	59
1970 to 1979	731	58	Q	46	2	14	25	90
1980 to 1989	707	44	33	46	2	18	21	44
1990 to 1999	876	75	56	66	0	36	30	68
2000 to 2003	334	32	Q	Q	Q	Q	6	17
Census Region and Division								
Northeast	726	31	40	37	1	17	27	76
New England	233	Q	Q	Q	Q	Q	Q	Q
Middle Atlantic	493	21	Q	27	1	Q	9	46
Midwest	1,266	63	57	88	2	29	34	111
East North Central	696	34	43	54	1	19	15	69
West North Central	571	29	Q	34	Q	Q	19	42
South	1,775	156	94	127	4	44	52	197
South Atlantic	874	87	49	61	Q	25	26	106
East South Central	348	Q	Q	24	Q	Q	13	42
West South Central	553	56	Q	42	1	Q	13	49
West	878	136	Q	45	1	30	30	60
Mountain	299	39	Q	Q	Q	Q	16	21
Pacific	580	97	Q	34	1	17	14	39
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	855	38	45	48	1	21	29	69
5,500-7,000 HDD	1,173	89	59	71	2	29	38	103
4,000-5,499 HDD	673	35	Q	45	1	22	25	88
Fewer than 4,000 HDD	1,276	143	57	78	3	28	36	133
2,000 CDD or More and --								
Fewer than 4,000 HDD	669	81	Q	54	1	21	15	50
Number of Floors								
One	3,136	281	183	210	Q	68	48	311
Two	1,031	60	29	54	Q	37	52	103
Three	339	31	Q	28	Q	Q	17	25
Four to Nine	128	14	Q	Q	3	3	23	Q
Ten or More	12	Q	N	N	1	Q	3	Q

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Table B11. Selected Principal Building Activity: Part 1, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	4,645	386	226	297	8	121	142	443
Elevators and Escalators (more than one may apply)								
Any Elevators	309	50	Q	Q	6	12	30	14
Number of Elevators								
One	208	37	Q	Q	Q	8	11	Q
Two to Five	88	12	N	Q	3	3	17	Q
Six or More	13	Q	N	N	2	Q	Q	Q
Any Escalators	6	Q	N	Q	Q	Q	Q	Q
Number of Workers (main shift)								
Fewer than 5	2,653	150	162	101	N	Q	78	268
5 to 9	778	49	Q	92	N	41	18	90
10 to 19	563	57	Q	68	Q	Q	18	57
20 to 49	398	69	Q	30	Q	26	16	14
50 to 99	147	42	Q	Q	Q	Q	8	12
100 to 249	77	15	Q	Q	4	5	4	3
250 or More	30	3	N	N	3	Q	Q	Q
Weekly Operating Hours								
Fewer than 40	1,002	74	Q	26	N	Q	Q	Q
40 to 48	1,117	124	Q	Q	N	53	Q	96
49 to 60	1,062	119	Q	35	N	32	N	159
61 to 84	591	56	46	102	N	Q	Q	118
85 to 167	400	12	106	101	N	Q	Q	30
Open Continuously	475	Q	45	Q	8	Q	140	Q
Ownership and Occupancy								
Nongovernment Owned	4,011	141	224	283	7	115	134	441
Owner Occupied	1,841	83	94	72	4	64	48	189
Nonowner Occupied	2,029	58	130	211	3	51	86	252
Unoccupied	141	N	N	N	N	N	N	N
Government Owned	635	245	Q	Q	1	Q	9	Q
Federal	46	Q	N	N	Q	Q	Q	Q
State	164	59	Q	Q	Q	Q	Q	N
Local	425	175	Q	Q	Q	Q	Q	N
Vacancy Status								
Completely Vacant	157	N	N	N	N	N	N	N
Mostly Vacant	25	N	N	N	N	N	N	N
Partially Vacant	548	55	Q	24	1	18	18	26
Not At All Vacant	3,915	331	212	274	7	103	124	417
Number of Establishments								
One	3,754	360	203	270	6	84	130	368
2 to 5	643	21	Q	26	1	32	12	68
6 to 10	55	Q	N	Q	Q	Q	Q	Q
11 to 20	23	N	N	N	Q	Q	N	Q
More than 20	14	N	Q	N	Q	Q	N	Q
Currently Unoccupied	157	N	N	N	N	N	N	N

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Table B11. Selected Principal Building Activity: Part 1, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	4,645	386	226	297	8	121	142	443
Multibuilding Facility								
Not Part of a Multibuilding Facility	3,169	105	207	271	2	101	73	377
College or University	83	40	N	Q	Q	Q	10	Q
Primary or Secondary School	254	186	N	Q	N	Q	Q	N
Office Complex	111	Q	Q	N	Q	Q	Q	Q
Retail Complex	151	N	Q	Q	N	N	N	46
Religious Campus or Complex	195	39	N	Q	N	N	Q	N
Health Care Complex	39	Q	N	Q	6	16	6	N
Lodging or Resort Complex	61	Q	N	Q	N	N	39	Q
Government Complex	87	N	N	Q	N	Q	N	N
Other	496	Q	N	Q	N	Q	Q	Q
Predominant Exterior Wall Material								
Brick, Stone or Stucco	2,044	220	116	170	5	71	74	166
Concrete (Block or Poured)	786	44	50	55	Q	Q	22	121
Concrete Panels	131	10	Q	Q	1	Q	Q	8
Siding or Shingles	779	78	Q	51	Q	Q	41	71
Metal Panels	825	30	Q	Q	Q	Q	N	69
Window Glass	17	Q	N	Q	Q	N	Q	Q
Other	47	Q	Q	Q	Q	Q	Q	Q
No One Major Type	18	Q	N	Q	Q	N	Q	Q
Predominant Roof Material								
Built-Up	1,036	112	62	96	4	25	23	129
Shingles (Not Wood)	1,325	116	71	64	Q	52	72	98
Metal Surfacing	1,288	65	Q	49	Q	Q	Q	109
Synthetic or Rubber	511	53	33	55	3	12	14	68
Slate or Tile	263	32	Q	Q	Q	Q	11	Q
Wooden Materials	122	Q	Q	Q	N	Q	Q	Q
Concrete	61	Q	Q	Q	Q	Q	Q	Q
Other	16	Q	Q	Q	N	N	Q	N
No One Major Type	25	Q	Q	Q	Q	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)								
Any Type of Renovation Since 1980	1,018	105	48	79	4	28	35	115
Addition or Annex	256	31	Q	Q	4	Q	13	18
Reduction In Floorspace	22	Q	N	Q	Q	Q	Q	Q
Cosmetic Improvements	741	77	37	67	3	25	29	86
Wall or Roof Replacement	370	49	Q	25	1	Q	17	39
Interior Wall Re-Configuration	411	37	Q	24	2	23	14	48
HVAC Equipment Upgrade	442	60	Q	37	4	Q	20	50
Lighting Upgrade	455	65	Q	29	2	Q	17	43
Window Replacement	310	40	Q	Q	1	Q	16	33
Plumbing System Upgrade	315	42	Q	29	1	Q	17	38
Insulation Upgrade	227	23	Q	Q	1	Q	Q	23
Other Renovation	19	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	1,710	130	77	86	1	30	50	200
Building Newer than 1980	1,917	151	100	133	2	63	57	128

Table B11. Selected Principal Building Activity: Part 1, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	4,645	386	226	297	8	121	142	443
Energy Sources (more than one may apply)								
Electricity	4,404	384	221	297	8	121	142	443
Natural Gas	2,391	213	98	226	7	65	86	245
Fuel Oil	451	26	Q	Q	7	6	28	37
District Heat	67	26	N	Q	1	Q	6	Q
District Chilled Water	33	14	N	Q	1	Q	Q	Q
Propane	502	43	Q	52	Q	Q	24	47
Other	61	Q	Q	N	Q	N	Q	Q
Energy End Uses (more than one may apply)								
Buildings with Space Heating	3,982	382	188	282	8	116	142	408
Buildings with Cooling	3,625	352	210	283	8	121	130	406
Buildings with Water Heating	3,472	298	186	297	8	119	142	314
Buildings with Cooking	801	125	84	284	7	Q	47	14
Buildings with Manufacturing	119	Q	Q	Q	Q	Q	Q	Q
Buildings with Electricity Generation	149	16	Q	Q	7	5	19	7
Heating Equipment (more than one may apply)								
Heat Pumps	476	66	Q	26	Q	19	25	42
Packaged Heat Pumps	278	31	Q	Q	Q	Q	11	27
Split-System Heat Pumps	166	14	Q	Q	Q	Q	Q	Q
Individual Room Heat Pumps	58	27	N	Q	Q	Q	14	Q
Furnaces	1,864	111	77	125	Q	58	31	227
Individual Space Heaters	819	67	Q	28	1	19	57	75
District Heat	65	25	N	Q	1	Q	Q	Q
Boilers	579	84	Q	36	6	16	42	30
Packaged Heating Units	953	99	46	103	3	25	31	97
Other	205	Q	Q	Q	Q	Q	Q	Q
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	1,006	59	36	69	1	46	23	95
Heat Pumps	492	63	Q	30	Q	19	25	50
Packaged Heat Pumps	288	27	Q	Q	Q	Q	11	34
Split-System Heat Pumps	174	14	Q	Q	Q	Q	Q	Q
Individual Room Heat Pumps	58	27	N	Q	Q	Q	14	Q
Individual Air Conditioners	742	87	Q	33	3	Q	71	82
District Chilled Water	33	14	N	Q	1	Q	Q	Q
Central Chillers	111	36	N	Q	4	4	11	Q
Packaged Air Conditioning Units	1,613	139	107	176	5	52	39	200
Swamp Coolers	122	Q	Q	Q	Q	N	Q	Q
Other	40	Q	Q	Q	Q	N	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)								
Heating	1,197	82	53	81	2	40	56	128
Cooling	1,356	109	75	98	4	41	63	170

Table B11. Selected Principal Building Activity: Part 1, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	4,645	386	226	297	8	121	142	443
Office Equipment (more than one may apply)								
Computers	3,081	343	138	172	6	118	97	317
With Flat Screen Monitors	877	89	Q	40	5	48	33	68
Dedicated Servers	1,175	127	36	44	6	48	42	103
Laser Printers	1,970	227	82	113	3	54	62	223
Inkjet Printers	1,420	143	56	51	5	70	42	129
FAX Machines	2,715	199	118	168	8	114	85	330
Photocopiers	1,939	207	60	27	8	95	56	163
Number of Computers								
None	1,565	43	88	125	Q	Q	46	126
1 to 4	1,670	113	116	139	Q	56	47	215
5 to 9	559	36	Q	26	Q	Q	23	67
10 to 19	370	50	Q	Q	Q	21	12	21
20 to 49	255	50	Q	Q	Q	Q	6	14
50 to 99	110	41	N	N	Q	4	Q	Q
100 to 249	79	39	N	N	1	Q	Q	Q
250 or More	38	14	N	N	2	Q	Q	Q
Number of Dedicated Servers								
None	3,471	259	189	253	Q	73	100	340
1 to 4	1,060	112	36	41	3	46	41	100
5 to 9	58	8	Q	Q	0	Q	Q	Q
10 to 19	30	Q	N	N	1	Q	Q	Q
20 to 49	17	Q	N	N	1	Q	Q	Q
50 or More	10	Q	N	N	0	Q	Q	N
Number of Photocopiers								
None	2,706	179	166	270	Q	Q	87	280
One	1,250	94	53	21	Q	66	39	140
2 to 4	549	90	Q	Q	Q	22	13	23
5 to 9	85	18	N	N	1	4	Q	Q
10 or More	54	5	N	N	4	3	Q	Q
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	799	125	84	284	7	Q	47	14
Activities with Large Amounts of Hot Water	567	79	Q	123	7	13	104	15
Separate Computer Area	553	146	Q	Q	5	17	22	14
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	466	83	Q	41	5	24	20	31
Economizer Cycle	508	88	Q	47	4	20	24	34
HVAC Maintenance	2,581	294	129	201	8	89	101	233
Energy Management and Control System (EMCS)	252	100	Q	Q	2	9	5	14

Table B11. Selected Principal Building Activity: Part 1, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	4,645	386	226	297	8	121	142	443
Window and Interior Lighting Features (more than one may apply)								
Multipaned Windows	2,201	174	115	163	7	79	93	201
Tinted Window Glass	1,323	134	48	107	6	46	27	158
Reflective Window Glass	308	28	Q	29	3	14	14	19
External Overhangs or Awnings	1,233	91	74	142	4	26	56	183
Skylights or Atriums	331	32	Q	Q	3	9	19	29
Daylighting Sensors	74	7	Q	Q	1	Q	8	Q
Specular Reflectors	928	97	33	49	4	26	30	74
Electronic Ballasts	2,577	269	136	178	7	79	83	293
Energy Management and Control System (EMCS) for Lighting	60	23	Q	Q	Q	Q	Q	4
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]								
Heating	2,878	315	70	193	3	92	70	315
Cooling	2,761	308	90	211	3	93	75	325
Lighting	3,685	359	165	271	N	116	Q	426
Office Equipment	1,504	239	38	54	N	61	Q	154

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 B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
Building Floorspace (Square Feet)								
1,001 to 5,000	6,789	409	409	544	N	165	99	638
5,001 to 10,000	6,585	399	356	442	N	280	160	725
10,001 to 25,000	11,535	931	Q	345	Q	312	631	1,284
25,001 to 50,000	8,668	1,756	Q	Q	Q	Q	803	578
50,001 to 100,000	9,057	2,690	Q	Q	Q	206	841	Q
100,001 to 200,000	9,064	2,167	Q	N	Q	Q	930	524
200,001 to 500,000	7,176	1,420	N	Q	467	Q	1,185	Q
Over 500,000	5,908	Q	N	N	973	N	Q	Q
Year Constructed								
Before 1920	3,769	410	Q	281	Q	Q	Q	220
1920 to 1945	6,871	1,036	Q	138	Q	Q	Q	445
1946 to 1959	7,045	1,744	Q	194	318	Q	276	360
1960 to 1969	8,101	1,665	Q	Q	304	Q	744	543
1970 to 1979	10,772	1,410	Q	227	556	197	840	900
1980 to 1989	10,332	1,284	188	182	358	164	980	361
1990 to 1999	12,360	1,546	281	327	161	416	807	1,080
2000 to 2003	5,533	778	Q	Q	Q	Q	489	407
Census Region and Division								
Northeast	12,905	1,683	238	172	358	177	1,171	630
New England	2,964	Q	Q	Q	Q	Q	374	Q
Middle Atlantic	9,941	1,384	Q	127	310	Q	797	419
Midwest	17,080	2,541	320	453	438	359	1,144	880
East North Central	11,595	1,990	218	248	316	235	548	544
West North Central	5,485	552	Q	206	Q	Q	595	337
South	23,489	3,983	487	764	838	438	1,694	1,844
South Atlantic	12,258	2,445	223	433	469	280	939	897
East South Central	3,393	341	Q	99	Q	Q	368	353
West South Central	7,837	1,198	Q	232	235	Q	387	594
West	11,310	1,667	Q	265	270	283	1,087	963
Mountain	3,675	640	Q	Q	Q	Q	438	210
Pacific	7,635	1,027	Q	232	176	147	649	753
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	10,622	1,537	271	227	262	213	768	710
5,500-7,000 HDD	17,335	2,800	368	400	450	334	1,314	865
4,000-5,499 HDD	11,504	1,403	Q	219	323	240	1,132	695
Fewer than 4,000 HDD	15,739	2,435	273	440	592	252	1,275	1,454
2,000 CDD or More and --								
Fewer than 4,000 HDD	9,584	1,698	Q	366	278	218	608	592
Number of Floors								
One	25,981	3,696	961	937	Q	441	646	2,742
Two	16,270	2,911	263	379	Q	428	950	932
Three	7,501	1,639	Q	176	Q	Q	618	416
Four to Nine	10,085	1,585	Q	Q	989	189	2,007	Q
Ten or More	4,947	Q	N	N	527	Q	875	Q

Table B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
Elevators and Escalators (more than one may apply)								
Any Elevators	24,617	4,476	Q	Q	1,813	532	3,377	584
Number of Elevators								
One	8,221	2,690	Q	Q	Q	212	584	Q
Two to Five	10,129	1,767	N	Q	413	257	2,033	Q
Six or More	6,268	Q	N	N	1,365	Q	Q	Q
Any Escalators	2,350	Q	N	Q	Q	Q	Q	Q
Number of Workers (main shift)								
Fewer than 5	15,492	612	484	336	N	Q	802	1,235
5 to 9	6,166	378	Q	413	N	254	437	828
10 to 19	7,803	740	Q	421	Q	Q	1,023	755
20 to 49	10,989	2,565	Q	367	Q	312	1,049	440
50 to 99	7,934	2,928	Q	Q	Q	Q	703	572
100 to 249	6,871	1,995	Q	Q	379	304	562	333
250 or More	9,528	655	N	N	1,464	Q	Q	Q
Weekly Operating Hours								
Fewer than 40	6,863	663	Q	98	N	Q	Q	Q
40 to 48	11,622	2,556	Q	Q	N	450	Q	469
49 to 60	15,723	2,942	Q	178	N	421	N	1,434
61 to 84	10,334	2,317	249	512	N	Q	Q	1,486
85 to 167	7,092	1,313	639	651	N	Q	Q	629
Open Continuously	13,149	Q	252	Q	1,905	Q	5,054	Q
Ownership and Occupancy								
Nongovernment Owned	49,421	2,070	1,243	1,547	1,557	1,105	4,734	4,312
Owner Occupied	23,591	1,232	541	489	911	700	1,624	2,020
Nonowner Occupied	23,914	839	702	1,058	646	405	3,110	2,292
Unoccupied	1,916	N	N	N	N	N	N	N
Government Owned	15,363	7,804	Q	Q	348	Q	363	Q
Federal	1,956	Q	N	N	Q	Q	Q	Q
State	3,808	1,671	Q	Q	Q	Q	Q	N
Local	9,599	6,067	Q	Q	Q	Q	Q	N
Vacancy Status								
Completely Vacant	2,161	N	N	N	N	N	N	N
Mostly Vacant	406	N	N	N	N	N	N	N
Partially Vacant	12,382	1,328	Q	222	415	326	631	313
Not At All Vacant	49,834	8,546	1,203	1,432	1,490	932	4,466	4,004
Number of Establishments								
One	45,144	8,714	1,057	1,375	1,328	676	4,234	3,410
2 to 5	10,960	946	Q	246	361	374	783	630
6 to 10	1,958	Q	N	Q	Q	Q	Q	Q
11 to 20	1,951	N	N	N	Q	Q	N	Q
More than 20	2,609	N	Q	N	Q	Q	N	Q
Currently Unoccupied	2,161	N	N	N	N	N	N	N

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Table B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
Multibuilding Facility								
Not Part of a Multibuilding Facility	40,048	4,232	1,109	1,390	397	867	2,859	3,610
College or University	3,480	1,549	N	Q	Q	Q	369	Q
Primary or Secondary School	3,947	3,437	N	Q	N	Q	Q	N
Office Complex	2,712	Q	Q	N	Q	Q	Q	Q
Retail Complex	1,238	N	Q	Q	N	N	N	553
Religious Campus or Complex	2,347	453	N	Q	N	N	Q	N
Health Care Complex	2,303	Q	N	Q	1,482	326	309	N
Lodging or Resort Complex	912	Q	N	Q	N	N	799	Q
Government Complex	2,014	N	N	Q	N	Q	N	N
Other	5,783	Q	N	Q	N	Q	Q	Q
Predominant Exterior Wall Material								
Brick, Stone or Stucco	32,817	7,229	559	1,047	1,131	874	3,054	1,341
Concrete (Block or Poured)	10,832	1,265	342	263	428	Q	1,069	1,108
Concrete Panels	6,559	427	Q	Q	201	Q	Q	349
Siding or Shingles	4,120	437	Q	191	Q	Q	466	403
Metal Panels	7,912	176	Q	Q	Q	Q	N	1,087
Window Glass	1,024	Q	N	Q	Q	N	Q	Q
Other	1,113	Q	Q	Q	Q	Q	Q	Q
No One Major Type	406	Q	N	Q	Q	N	Q	Q
Predominant Roof Material								
Built-Up	21,170	3,901	360	477	980	384	1,571	1,236
Shingles (Not Wood)	10,195	1,287	301	332	Q	427	1,314	454
Metal Surfacing	11,944	1,002	Q	311	Q	Q	Q	1,345
Synthetic or Rubber	14,730	2,829	274	315	770	266	1,182	925
Slate or Tile	2,462	533	Q	Q	Q	Q	250	Q
Wooden Materials	887	Q	Q	Q	N	Q	Q	Q
Concrete	2,231	Q	Q	Q	Q	Q	Q	Q
Other	598	Q	Q	Q	N	N	Q	N
No One Major Type	565	Q	Q	Q	Q	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)								
Any Type of Renovation Since 1980	17,844	3,787	351	517	1,155	275	1,339	926
Addition or Annex	6,551	1,539	Q	Q	880	Q	500	188
Reduction In Floorspace	1,012	Q	N	Q	Q	Q	Q	Q
Cosmetic Improvements	13,119	2,762	299	411	848	236	1,120	701
Wall or Roof Replacement	8,070	1,961	Q	151	572	Q	626	363
Interior Wall Re-Configuration	8,518	1,585	Q	149	805	180	523	434
HVAC Equipment Upgrade	10,768	2,636	Q	270	1,024	Q	854	478
Lighting Upgrade	10,275	2,592	Q	241	767	Q	748	488
Window Replacement	6,354	1,652	Q	Q	411	Q	437	328
Plumbing System Upgrade	7,144	1,607	Q	201	634	Q	562	325
Insulation Upgrade	4,015	916	Q	Q	280	Q	Q	230
Other Renovation	523	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	18,714	2,479	324	437	161	288	1,481	1,544
Building Newer than 1980	28,225	3,608	579	699	589	695	2,276	1,848

Table B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
Energy Sources (more than one may apply)								
Electricity	63,307	9,871	1,237	1,654	1,905	1,258	5,096	4,317
Natural Gas	43,468	7,045	747	1,396	1,805	739	4,256	2,866
Fuel Oil	15,157	1,864	Q	Q	1,683	199	2,193	501
District Heat	5,443	1,145	N	Q	436	Q	345	Q
District Chilled Water	2,853	768	N	Q	279	Q	Q	Q
Propane	7,076	855	Q	220	329	Q	614	382
Other	909	Q	Q	N	Q	N	Q	Q
Energy End Uses (more than one may apply)								
Buildings with Space Heating	60,028	9,755	1,131	1,608	1,905	1,195	4,994	4,075
Buildings with Cooling	56,940	9,200	1,198	1,583	1,899	1,258	4,841	4,079
Buildings with Water Heating	56,478	9,481	1,130	1,654	1,905	1,255	5,096	3,459
Buildings with Cooking	22,237	6,402	677	1,611	1,819	Q	3,184	771
Buildings with Manufacturing	3,138	Q	Q	Q	Q	Q	Q	Q
Buildings with Electricity Generation	12,821	1,776	Q	Q	1,648	214	1,831	504
Heating Equipment (more than one may apply)								
Heat Pumps	8,814	1,787	Q	168	424	217	1,183	444
Packaged Heat Pumps	5,442	918	Q	Q	Q	Q	662	279
Split-System Heat Pumps	2,581	382	Q	Q	Q	Q	Q	Q
Individual Room Heat Pumps	2,691	923	N	Q	Q	Q	754	Q
Furnaces	19,615	1,855	567	675	386	400	1,065	2,049
Individual Space Heaters	12,545	1,500	Q	186	409	191	1,462	667
District Heat	5,166	1,106	N	Q	353	Q	Q	Q
Boilers	20,423	5,171	Q	328	1,477	380	2,773	383
Packaged Heating Units	18,021	2,596	422	591	672	270	1,356	1,397
Other	3,262	Q	Q	Q	Q	Q	Q	Q
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	11,035	1,263	173	468	321	384	1,102	624
Heat Pumps	9,041	1,674	Q	217	412	213	1,172	471
Packaged Heat Pumps	5,426	804	Q	Q	322	Q	651	304
Split-System Heat Pumps	2,606	382	Q	Q	Q	Q	Q	Q
Individual Room Heat Pumps	2,940	893	N	Q	Q	Q	754	Q
Individual Air Conditioners	12,558	2,607	Q	234	607	Q	2,306	564
District Chilled Water	2,853	768	N	Q	279	Q	Q	Q
Central Chillers	11,636	2,714	N	Q	1,348	176	1,401	Q
Packaged Air Conditioning Units	29,969	4,318	784	988	1,108	585	2,003	2,723
Swamp Coolers	1,561	Q	Q	Q	Q	N	Q	Q
Other	1,232	Q	Q	Q	Q	N	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)								
Heating	16,403	2,519	298	498	418	262	1,703	1,121
Cooling	20,995	3,445	378	608	893	333	2,026	1,346

Table B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
Office Equipment (more than one may apply)								
Computers	55,627	9,649	986	1,205	1,752	1,252	4,713	3,751
With Flat Screen Monitors	26,417	4,601	Q	381	1,566	688	2,178	1,324
Dedicated Servers	36,338	6,895	447	427	1,628	689	3,369	1,870
Laser Printers	33,012	6,487	596	660	876	632	2,858	2,293
Inkjet Printers	32,210	4,787	524	482	1,443	836	2,143	2,061
FAX Machines	52,373	8,740	901	1,135	1,901	1,184	4,384	3,761
Photocopiers	46,257	8,786	592	347	1,876	1,104	3,686	2,626
Number of Computers								
None	9,156	225	269	448	Q	Q	383	566
1 to 4	12,395	548	551	789	Q	255	911	1,637
5 to 9	7,179	315	Q	197	Q	Q	875	792
10 to 19	6,610	597	Q	Q	Q	225	804	455
20 to 49	7,414	1,226	Q	Q	Q	Q	723	513
50 to 99	5,376	1,583	N	N	Q	182	Q	Q
100 to 249	6,690	3,143	N	N	245	Q	Q	Q
250 or More	9,963	2,238	N	N	1,278	Q	Q	Q
Number of Dedicated Servers								
None	28,445	2,979	808	1,226	Q	569	1,727	2,447
1 to 4	24,116	5,213	427	316	560	490	3,041	1,619
5 to 9	3,864	788	Q	Q	205	Q	Q	Q
10 to 19	3,027	Q	N	N	348	Q	Q	Q
20 to 49	2,583	Q	N	N	301	Q	Q	Q
50 or More	2,748	Q	N	N	214	Q	Q	N
Number of Photocopiers								
None	18,526	1,088	663	1,307	Q	Q	1,410	1,691
One	15,475	1,713	481	201	Q	435	1,461	1,739
2 to 4	15,082	4,477	Q	Q	Q	263	1,405	654
5 to 9	5,515	1,674	N	N	187	171	Q	Q
10 or More	10,185	922	N	N	1,507	235	Q	Q
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	22,223	6,402	677	1,611	1,819	Q	3,184	771
Activities with Large Amounts of Hot Water	19,482	4,524	Q	1,009	1,760	172	4,630	421
Separate Computer Area	26,873	7,518	Q	Q	1,598	375	2,227	652
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	19,597	4,050	Q	350	1,446	439	1,459	448
Economizer Cycle	21,108	4,284	Q	335	1,337	421	1,813	1,049
HVAC Maintenance	51,163	8,954	894	1,289	1,856	1,091	4,491	3,127
Energy Management and Control System (EMCS)	15,630	5,073	Q	Q	775	267	643	740

Table B12. Selected Principal Building Activity: Part 1, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Principal Building Activity						
					Health Care			
	All Buildings*	Education	Food Sales	Food Service	Inpatient	Outpatient	Lodging	Retail (Other Than Mall)
All Buildings*	64,783	9,874	1,255	1,654	1,905	1,258	5,096	4,317
Window and Interior Lighting Features (more than one may apply)								
Multipaned Windows	38,910	6,496	738	979	1,659	836	3,892	2,210
Tinted Window Glass	29,887	4,468	333	586	1,569	710	2,052	1,864
Reflective Window Glass	8,544	1,274	Q	137	790	169	587	478
External Overhangs or Awnings	17,242	2,623	465	848	810	306	1,934	1,916
Skylights or Atriums	12,546	2,457	Q	Q	861	247	1,589	765
Daylighting Sensors	2,868	473	Q	Q	304	Q	548	Q
Specular Reflectors	26,118	4,383	293	467	1,299	358	2,262	1,236
Electronic Ballasts	46,882	8,358	929	1,100	1,822	944	4,147	2,981
Energy Management and Control System (EMCS) for Lighting	4,781	1,144	Q	Q	Q	Q	Q	406
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]								
Heating	42,722	8,313	465	1,091	833	853	2,656	3,126
Cooling	43,205	8,366	545	1,205	891	871	2,689	3,249
Lighting	46,987	9,430	895	1,507	N	1,148	Q	4,048
Office Equipment	19,397	4,998	198	356	N	456	Q	1,636

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 B13. Selected Principal Activity: Part 2, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	4,645	824	277	71	370	622	597
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	503	119	37	152	434	294
5,001 to 10,000	889	127	67	Q	104	100	110
10,001 to 25,000	738	116	69	Q	83	66	130
25,001 to 50,000	241	43	9	Q	27	17	27
50,001 to 100,000	129	17	7	Q	Q	Q	21
100,001 to 200,000	65	11	6	Q	Q	Q	8
200,001 to 500,000	25	5	Q	Q	Q	Q	4
Over 500,000	7	2	Q	Q	N	Q	Q
Year Constructed							
Before 1920	330	70	31	Q	65	Q	20
1920 to 1945	527	85	36	Q	52	90	39
1946 to 1959	562	75	45	Q	58	59	44
1960 to 1969	579	116	30	Q	54	75	47
1970 to 1979	731	145	44	Q	41	117	78
1980 to 1989	707	153	31	Q	43	108	108
1990 to 1999	876	142	42	21	35	110	164
2000 to 2003	334	39	18	Q	23	42	98
Census Region and Division							
Northeast	726	155	63	23	52	100	65
New England	233	47	Q	Q	Q	Q	Q
Middle Atlantic	493	108	29	Q	41	79	46
Midwest	1,266	231	57	20	107	221	160
East North Central	696	134	25	Q	62	95	95
West North Central	571	97	31	Q	46	126	66
South	1,775	250	92	15	158	198	277
South Atlantic	874	125	44	Q	77	101	125
East South Central	348	41	Q	Q	35	51	58
West South Central	553	84	38	Q	46	46	93
West	878	187	65	Q	53	103	95
Mountain	299	62	Q	Q	Q	42	31
Pacific	580	125	48	Q	33	61	64
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	855	154	66	Q	51	145	106
5,500-7,000 HDD	1,173	219	59	25	116	173	132
4,000-5,499 HDD	673	135	29	Q	39	104	82
Fewer than 4,000 HDD	1,276	195	76	Q	117	156	169
2,000 CDD or More and --							
Fewer than 4,000 HDD	669	122	47	Q	47	44	108
Number of Floors							
One	3,136	441	168	50	193	510	493
Two	1,031	234	81	Q	134	95	84
Three	339	98	16	Q	40	Q	Q
Four to Nine	128	44	11	Q	Q	Q	Q
Ten or More	12	6	Q	Q	N	N	Q

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Table B13. Selected Principal Activity: Part 2, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	4,645	824	277	71	370	622	597
Elevators and Escalators (more than one may apply)							
Any Elevators	309	102	19	6	24	Q	11
Number of Elevators							
One	208	67	13	Q	24	Q	9
Two to Five	88	29	6	Q	Q	Q	Q
Six or More	13	6	Q	Q	Q	Q	N
Any Escalators	6	3	Q	Q	N	Q	Q
Number of Workers (main shift)							
Fewer than 5	2,653	255	196	30	283	462	423
5 to 9	778	215	33	Q	42	78	62
10 to 19	563	133	27	Q	31	44	67
20 to 49	398	128	12	Q	10	29	34
50 to 99	147	46	Q	Q	Q	Q	7
100 to 249	77	30	Q	Q	Q	Q	3
250 or More	30	18	Q	Q	Q	Q	Q
Weekly Operating Hours							
Fewer than 40	1,002	62	120	Q	246	77	126
40 to 48	1,117	375	39	Q	32	204	140
49 to 60	1,062	262	34	Q	45	200	133
61 to 84	591	59	42	N	27	78	50
85 to 167	400	28	25	N	8	34	51
Open Continuously	475	38	16	39	Q	29	96
Ownership and Occupancy							
Nongovernment Owned	4,011	742	182	Q	370	542	571
Owner Occupied	1,841	402	114	Q	247	285	175
Nonowner Occupied	2,029	339	68	Q	124	257	396
Unoccupied	141	N	N	N	N	N	N
Government Owned	635	82	94	47	N	80	26
Federal	46	7	Q	Q	N	12	Q
State	164	28	23	Q	N	Q	Q
Local	425	47	67	42	N	42	Q
Vacancy Status							
Completely Vacant	157	N	N	N	N	N	N
Mostly Vacant	25	N	N	N	N	N	N
Partially Vacant	548	140	38	Q	18	62	119
Not At All Vacant	3,915	684	239	69	353	560	478
Number of Establishments							
One	3,754	536	237	57	339	561	518
2 to 5	643	228	35	Q	31	58	74
6 to 10	55	37	Q	Q	N	Q	Q
11 to 20	23	14	Q	Q	Q	Q	Q
More than 20	14	7	Q	N	N	N	Q
Currently Unoccupied	157	N	N	N	N	N	N

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Table B13. Selected Principal Activity: Part 2, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	4,645	824	277	71	370	622	597
Multibuilding Facility							
Not Part of a Multibuilding Facility	3,169	584	193	59	250	473	295
College or University	83	12	7	N	Q	Q	Q
Primary or Secondary School	254	Q	35	N	N	Q	Q
Office Complex	111	82	Q	N	N	Q	Q
Retail Complex	151	Q	N	N	N	21	Q
Religious Campus or Complex	195	Q	Q	N	120	N	Q
Health Care Complex	39	Q	N	N	N	N	Q
Lodging or Resort Complex	61	Q	Q	N	N	N	Q
Government Complex	87	25	Q	11	N	Q	Q
Other	496	65	15	Q	N	90	233
Predominant Exterior Wall Material							
Brick, Stone or Stucco	2,044	475	129	21	241	140	119
Concrete (Block or Poured)	786	75	48	25	34	149	85
Concrete Panels	131	28	Q	Q	Q	Q	34
Siding or Shingles	779	163	55	Q	74	94	61
Metal Panels	825	60	30	Q	Q	227	289
Window Glass	17	6	N	N	Q	N	N
Other	47	Q	Q	Q	Q	Q	Q
No One Major Type	18	Q	Q	N	N	Q	Q
Predominant Roof Material							
Built-Up	1,036	219	61	17	22	112	79
Shingles (Not Wood)	1,325	248	94	Q	235	129	65
Metal Surfacing	1,288	114	61	22	52	294	396
Synthetic or Rubber	511	113	36	Q	Q	50	34
Slate or Tile	263	65	Q	Q	44	Q	Q
Wooden Materials	122	43	Q	N	Q	Q	Q
Concrete	61	16	Q	Q	Q	Q	Q
Other	16	Q	Q	N	Q	Q	Q
No One Major Type	25	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	193	75	Q	108	111	59
Addition or Annex	256	42	28	Q	24	35	Q
Reduction In Floorspace	22	Q	Q	N	Q	Q	Q
Cosmetic Improvements	741	139	63	Q	80	61	37
Wall or Roof Replacement	370	61	26	Q	45	41	23
Interior Wall Re-Configuration	411	103	19	Q	27	44	26
HVAC Equipment Upgrade	442	73	39	Q	48	35	18
Lighting Upgrade	455	94	28	Q	46	41	17
Window Replacement	310	72	18	Q	32	Q	Q
Plumbing System Upgrade	315	49	27	Q	31	Q	Q
Insulation Upgrade	227	51	19	Q	Q	Q	Q
Other Renovation	19	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	1,710	298	110	16	162	251	168
Building Newer than 1980	1,917	333	91	43	100	259	370

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Table B13. Selected Principal Activity: Part 2, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	4,645	824	277	71	370	622	597
Energy Sources (more than one may apply)							
Electricity	4,404	824	274	71	370	601	464
Natural Gas	2,391	488	146	36	220	281	187
Fuel Oil	451	65	42	23	38	93	37
District Heat	67	16	6	Q	Q	Q	Q
District Chilled Water	33	9	3	Q	Q	N	Q
Propane	502	39	37	Q	51	92	48
Other	61	Q	Q	Q	N	34	Q
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	802	258	70	359	515	316
Buildings with Cooling	3,625	790	213	61	308	370	266
Buildings with Water Heating	3,472	733	227	70	315	418	243
Buildings with Cooking	801	23	73	14	108	Q	Q
Buildings with Manufacturing	119	19	Q	N	N	Q	44
Buildings with Electricity Generation	149	38	5	19	Q	Q	13
Heating Equipment (more than one may apply)							
Heat Pumps	476	113	24	Q	54	29	32
Packaged Heat Pumps	278	67	Q	Q	31	Q	18
Split-System Heat Pumps	166	42	Q	Q	27	Q	15
Individual Room Heat Pumps	58	8	Q	Q	Q	N	Q
Furnaces	1,864	362	120	41	193	288	156
Individual Space Heaters	819	157	46	Q	71	131	98
District Heat	65	16	6	Q	Q	Q	Q
Boilers	579	123	48	13	73	49	25
Packaged Heating Units	953	214	56	16	63	96	68
Other	205	33	Q	Q	Q	60	Q
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	1,006	273	63	Q	102	97	91
Heat Pumps	492	107	27	Q	57	33	28
Packaged Heat Pumps	288	65	Q	Q	33	Q	16
Split-System Heat Pumps	174	39	Q	Q	28	Q	Q
Individual Room Heat Pumps	58	8	Q	Q	Q	N	Q
Individual Air Conditioners	742	107	40	20	74	116	48
District Chilled Water	33	9	3	Q	Q	N	Q
Central Chillers	111	29	6	Q	Q	Q	Q
Packaged Air Conditioning Units	1,613	339	96	27	138	136	113
Swamp Coolers	122	Q	Q	Q	Q	Q	Q
Other	40	15	Q	N	Q	N	Q
Main Equipment Replaced Since 1990 (more than one may apply)							
Heating	1,197	250	82	Q	130	165	71
Cooling	1,356	295	89	19	135	131	87

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Table B13. Selected Principal Activity: Part 2, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	4,645	824	277	71	370	622	597
Office Equipment (more than one may apply)							
Computers	3,081	807	167	62	190	336	253
With Flat Screen Monitors	877	330	41	12	35	66	62
Dedicated Servers	1,175	450	38	17	36	85	118
Laser Printers	1,970	446	120	48	159	220	165
Inkjet Printers	1,420	515	50	26	52	124	125
FAX Machines	2,715	796	107	56	131	281	249
Photocopiers	1,939	655	99	33	187	139	179
Number of Computers							
None	1,565	Q	109	Q	181	286	344
1 to 4	1,670	263	110	40	143	256	127
5 to 9	559	194	21	Q	34	54	56
10 to 19	370	145	17	Q	10	19	48
20 to 49	255	116	13	Q	Q	Q	19
50 to 99	110	45	Q	Q	Q	Q	Q
100 to 249	79	27	Q	Q	Q	Q	Q
250 or More	38	17	Q	Q	N	Q	Q
Number of Dedicated Servers							
None	3,471	374	238	53	334	537	479
1 to 4	1,060	382	33	15	36	81	112
5 to 9	58	29	Q	Q	Q	Q	Q
10 to 19	30	20	Q	Q	Q	Q	Q
20 to 49	17	9	Q	Q	N	N	Q
50 or More	10	8	N	Q	N	N	Q
Number of Photocopiers							
None	2,706	169	177	37	183	483	418
One	1,250	337	68	22	152	117	125
2 to 4	549	241	23	Q	35	18	50
5 to 9	85	41	Q	Q	Q	Q	3
10 or More	54	36	Q	Q	N	Q	Q
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	799	23	73	14	108	Q	Q
Activities with Large Amounts of Hot Water	567	36	53	13	33	50	Q
Separate Computer Area	553	201	36	10	16	19	44
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	466	114	26	7	34	30	29
Economizer Cycle	508	124	40	11	24	25	26
HVAC Maintenance	2,581	571	171	54	216	260	189
Energy Management and Control System (EMCS)	252	51	23	Q	Q	Q	8

Table B13. Selected Principal Activity: Part 2, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	4,645	824	277	71	370	622	597
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	2,201	479	127	46	192	267	170
Tinted Window Glass	1,323	268	55	22	162	144	104
Reflective Window Glass	308	73	21	Q	17	38	29
External Overhangs or Awnings	1,233	242	67	Q	77	132	82
Skylights or Atriums	331	66	13	Q	16	66	39
Daylighting Sensors	74	17	Q	Q	Q	Q	Q
Specular Reflectors	928	219	60	23	73	136	77
Electronic Ballasts	2,577	507	153	47	196	354	222
Energy Management and Control System (EMCS) for Lighting	60	12	Q	Q	Q	Q	Q
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	2,878	539	214	38	336	368	229
Cooling	2,761	570	175	38	288	303	199
Lighting	3,685	766	242	22	354	538	356
Office Equipment	1,504	371	90	Q	133	174	142

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 B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Building Floorspace (Square Feet)							
1,001 to 5,000	6,789	1,382	336	122	416	1,034	895
5,001 to 10,000	6,585	938	518	Q	744	722	868
10,001 to 25,000	11,535	1,887	1,077	Q	1,235	1,021	2,064
25,001 to 50,000	8,668	1,506	301	Q	930	560	1,043
50,001 to 100,000	9,057	1,209	474	Q	Q	Q	1,494
100,001 to 200,000	9,064	1,428	868	Q	Q	Q	1,162
200,001 to 500,000	7,176	1,493	Q	Q	Q	Q	1,322
Over 500,000	5,908	2,365	Q	Q	N	Q	Q
Year Constructed							
Before 1920	3,769	749	323	Q	586	Q	254
1920 to 1945	6,871	1,186	353	Q	334	473	1,208
1946 to 1959	7,045	917	780	Q	603	440	567
1960 to 1969	8,101	1,335	408	Q	502	447	1,051
1970 to 1979	10,772	2,162	594	Q	412	996	1,462
1980 to 1989	10,332	3,296	448	Q	414	511	1,501
1990 to 1999	12,360	1,913	734	327	566	777	2,723
2000 to 2003	5,533	650	301	Q	338	263	1,312
Census Region and Division							
Northeast	12,905	3,012	1,048	362	627	740	1,523
New England	2,964	578	Q	Q	Q	Q	Q
Middle Atlantic	9,941	2,434	769	Q	474	620	1,112
Midwest	17,080	2,989	1,012	221	1,115	1,289	3,017
East North Central	11,595	2,190	635	Q	720	775	2,023
West North Central	5,485	799	377	Q	395	514	994
South	23,489	3,782	1,174	373	1,498	1,358	3,966
South Atlantic	12,258	1,958	440	Q	721	753	1,836
East South Central	3,393	481	Q	Q	310	307	390
West South Central	7,837	1,343	498	Q	467	298	1,740
West	11,310	2,425	706	Q	515	664	1,572
Mountain	3,675	629	Q	Q	Q	345	506
Pacific	7,635	1,796	468	Q	341	319	1,066
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	10,622	1,593	876	Q	408	944	1,704
5,500-7,000 HDD	17,335	3,165	818	360	1,320	1,185	2,639
4,000-5,499 HDD	11,504	3,125	806	Q	499	644	1,479
Fewer than 4,000 HDD	15,739	2,341	910	Q	1,039	969	2,419
2,000 CDD or More and --							
Fewer than 4,000 HDD	9,584	1,985	529	Q	488	308	1,836
Number of Floors							
One	25,981	2,460	1,448	371	1,255	2,713	6,637
Two	16,270	2,269	1,428	Q	1,613	1,000	2,684
Three	7,501	1,810	308	Q	737	Q	Q
Four to Nine	10,085	2,644	693	Q	Q	Q	Q
Ten or More	4,947	3,025	Q	Q	N	N	Q

Table B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Elevators and Escalators (more than one may apply)							
Any Elevators	24,617	7,721	1,256	600	669	Q	1,347
Number of Elevators							
One	8,221	1,725	459	Q	556	Q	732
Two to Five	10,129	2,832	696	Q	Q	Q	Q
Six or More	6,268	3,164	Q	Q	Q	Q	N
Any Escalators	2,350	1,143	Q	Q	N	Q	Q
Number of Workers (main shift)							
Fewer than 5	15,492	767	1,381	145	2,117	1,612	3,433
5 to 9	6,166	964	443	Q	582	513	807
10 to 19	7,803	848	588	Q	646	747	1,545
20 to 49	10,989	1,755	836	Q	246	597	1,843
50 to 99	7,934	1,291	Q	Q	Q	Q	1,025
100 to 249	6,871	1,663	Q	Q	Q	Q	585
250 or More	9,528	4,920	Q	Q	Q	Q	Q
Weekly Operating Hours							
Fewer than 40	6,863	221	679	Q	1,612	180	799
40 to 48	11,622	3,366	Q	Q	417	1,057	1,887
49 to 60	15,723	4,392	545	Q	751	1,236	3,224
61 to 84	10,334	2,009	648	N	488	796	1,323
85 to 167	7,092	504	1,012	N	361	194	1,557
Open Continuously	13,149	1,717	445	552	Q	586	1,288
Ownership and Occupancy							
Nongovernment Owned	49,421	10,515	2,189	Q	3,754	3,018	9,371
Owner Occupied	23,591	5,571	1,204	Q	2,804	1,680	3,736
Nonowner Occupied	23,914	4,944	984	Q	950	1,338	5,635
Unoccupied	1,916	N	N	N	N	N	N
Government Owned	15,363	1,693	1,751	967	N	1,032	Q
Federal	1,956	482	Q	Q	N	533	Q
State	3,808	531	726	Q	N	Q	Q
Local	9,599	680	977	853	N	293	Q
Vacancy Status							
Completely Vacant	2,161	N	N	N	N	N	N
Mostly Vacant	406	N	N	N	N	N	N
Partially Vacant	12,382	5,600	510	Q	282	350	1,928
Not At All Vacant	49,834	6,608	3,429	966	3,472	3,700	8,150
Number of Establishments							
One	45,144	4,894	3,110	643	3,272	3,509	7,560
2 to 5	10,960	2,709	677	Q	479	465	2,034
6 to 10	1,958	1,144	Q	Q	N	Q	Q
11 to 20	1,951	1,332	Q	Q	Q	Q	Q
More than 20	2,609	2,129	Q	N	N	N	Q
Currently Unoccupied	2,161	N	N	N	N	N	N

Table B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Multibuilding Facility							
Not Part of a Multibuilding Facility	40,048	8,186	2,397	549	2,446	3,009	6,204
College or University	3,480	345	677	N	Q	Q	Q
Primary or Secondary School	3,947	Q	268	N	N	Q	Q
Office Complex	2,712	2,239	Q	N	N	Q	Q
Retail Complex	1,238	Q	N	N	N	157	Q
Religious Campus or Complex	2,347	Q	Q	N	1,287	N	Q
Health Care Complex	2,303	Q	N	N	N	N	Q
Lodging or Resort Complex	912	Q	Q	N	N	N	Q
Government Complex	2,014	579	Q	496	N	Q	Q
Other	5,783	564	326	Q	N	596	2,932
Predominant Exterior Wall Material							
Brick, Stone or Stucco	32,817	6,508	2,335	634	2,805	1,089	2,499
Concrete (Block or Poured)	10,832	1,216	629	247	332	1,033	1,742
Concrete Panels	6,559	1,815	Q	Q	Q	Q	1,963
Siding or Shingles	4,120	627	272	Q	413	329	570
Metal Panels	7,912	767	368	Q	Q	1,205	3,219
Window Glass	1,024	663	N	N	Q	N	N
Other	1,113	504	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	N	N	Q	Q
Predominant Roof Material							
Built-Up	21,170	4,899	931	386	440	829	2,803
Shingles (Not Wood)	10,195	1,551	703	Q	2,024	499	667
Metal Surfacing	11,944	939	775	209	456	1,627	4,174
Synthetic or Rubber	14,730	3,472	922	Q	Q	851	1,536
Slate or Tile	2,462	537	Q	Q	458	Q	Q
Wooden Materials	887	189	Q	N	Q	Q	Q
Concrete	2,231	437	Q	Q	Q	Q	Q
Other	598	Q	Q	N	Q	Q	Q
No One Major Type	565	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	3,270	1,257	Q	1,214	895	1,695
Addition or Annex	6,551	444	870	Q	428	348	Q
Reduction In Floorspace	1,012	Q	Q	N	Q	Q	Q
Cosmetic Improvements	13,119	2,663	1,026	Q	810	545	979
Wall or Roof Replacement	8,070	1,607	773	Q	450	230	831
Interior Wall Re-Configuration	8,518	2,083	638	Q	312	315	897
HVAC Equipment Upgrade	10,768	2,287	574	Q	578	302	844
Lighting Upgrade	10,275	2,019	810	Q	489	452	783
Window Replacement	6,354	1,248	Q	Q	451	Q	Q
Plumbing System Upgrade	7,144	1,421	738	Q	392	Q	Q
Insulation Upgrade	4,015	938	277	Q	Q	Q	Q
Other Renovation	523	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	18,714	3,079	1,200	361	1,222	1,605	2,848
Building Newer than 1980	28,225	5,859	1,483	608	1,318	1,551	5,535

Table B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Energy Sources (more than one may apply)							
Electricity	63,307	12,208	3,935	1,090	3,754	3,982	9,425
Natural Gas	43,468	8,208	2,723	637	2,629	2,496	5,494
Fuel Oil	15,157	4,075	939	620	453	626	1,268
District Heat	5,443	1,569	547	Q	Q	Q	Q
District Chilled Water	2,853	730	458	Q	Q	N	Q
Propane	7,076	368	393	Q	381	557	2,217
Other	909	Q	Q	Q	N	292	Q
Energy End Uses (more than one may apply)							
Buildings with Space Heating	60,028	11,929	3,777	1,083	3,581	3,687	8,126
Buildings with Cooling	56,940	12,032	3,477	1,043	3,301	3,261	7,295
Buildings with Water Heating	56,478	11,804	3,632	957	3,512	3,320	6,624
Buildings with Cooking	22,237	3,077	1,506	543	1,552	Q	Q
Buildings with Manufacturing	3,138	469	Q	N	N	Q	1,627
Buildings with Electricity Generation	12,821	4,211	537	606	Q	Q	721
Heating Equipment (more than one may apply)							
Heat Pumps	8,814	1,795	409	Q	577	457	913
Packaged Heat Pumps	5,442	1,260	Q	Q	350	Q	439
Split-System Heat Pumps	2,581	422	Q	Q	291	Q	556
Individual Room Heat Pumps	2,691	506	Q	Q	Q	N	Q
Furnaces	19,615	2,405	1,028	260	1,945	1,974	3,757
Individual Space Heaters	12,545	2,186	677	Q	875	1,010	2,457
District Heat	5,166	1,526	530	Q	Q	Q	Q
Boilers	20,423	4,117	1,421	437	1,148	791	1,031
Packaged Heating Units	18,021	3,754	879	328	733	957	3,118
Other	3,262	970	Q	Q	Q	393	Q
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	11,035	1,669	532	Q	946	1,071	1,861
Heat Pumps	9,041	1,854	473	Q	612	496	981
Packaged Heat Pumps	5,426	1,259	Q	Q	372	Q	457
Split-System Heat Pumps	2,606	434	Q	Q	305	Q	Q
Individual Room Heat Pumps	2,940	615	Q	Q	Q	N	Q
Individual Air Conditioners	12,558	1,201	951	372	847	802	1,440
District Chilled Water	2,853	730	458	Q	Q	N	Q
Central Chillers	11,636	3,839	423	Q	Q	Q	Q
Packaged Air Conditioning Units	29,969	6,171	1,684	438	1,849	1,466	4,453
Swamp Coolers	1,561	Q	Q	Q	Q	Q	Q
Other	1,232	439	Q	N	Q	N	Q
Main Equipment Replaced Since 1990 (more than one may apply)							
Heating	16,403	3,137	1,067	Q	1,239	1,269	1,964
Cooling	20,995	4,573	1,435	256	1,360	1,352	2,283

Table B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Office Equipment (more than one may apply)							
Computers	55,627	12,165	3,199	1,052	2,695	3,293	7,710
With Flat Screen Monitors	26,417	8,615	1,354	547	629	1,133	2,202
Dedicated Servers	36,338	9,932	1,454	685	867	1,679	5,072
Laser Printers	33,012	5,997	2,058	656	2,229	2,114	4,455
Inkjet Printers	32,210	9,510	1,524	528	919	1,875	4,398
FAX Machines	52,373	12,067	2,690	1,010	2,149	2,999	7,330
Photocopiers	46,257	11,387	2,472	831	2,614	2,136	6,208
Number of Computers							
None	9,156	Q	740	Q	1,060	758	2,367
1 to 4	12,395	799	1,412	257	1,330	1,497	1,913
5 to 9	7,179	974	377	Q	769	837	1,405
10 to 19	6,610	958	414	Q	327	433	1,625
20 to 49	7,414	1,757	441	Q	Q	Q	1,529
50 to 99	5,376	1,281	Q	Q	Q	Q	Q
100 to 249	6,690	1,655	Q	Q	Q	Q	Q
250 or More	9,963	4,741	Q	Q	N	Q	Q
Number of Dedicated Servers							
None	28,445	2,276	2,485	405	2,887	2,372	5,006
1 to 4	24,116	4,027	1,138	432	840	1,374	3,721
5 to 9	3,864	1,277	Q	Q	Q	Q	Q
10 to 19	3,027	1,175	Q	Q	Q	Q	Q
20 to 49	2,583	1,387	Q	Q	N	N	Q
50 or More	2,748	2,066	N	Q	N	N	Q
Number of Photocopiers							
None	18,526	821	1,467	259	1,141	1,914	3,870
One	15,475	1,743	1,306	167	1,731	1,481	2,615
2 to 4	15,082	2,644	568	Q	784	396	2,477
5 to 9	5,515	1,412	Q	Q	Q	Q	531
10 or More	10,185	5,589	Q	Q	N	Q	Q
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	22,223	3,077	1,506	543	1,552	Q	Q
Activities with Large Amounts of Hot Water	19,482	2,299	1,574	424	775	514	Q
Separate Computer Area	26,873	7,859	910	544	528	608	2,886
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	19,597	5,973	1,084	537	609	699	1,393
Economizer Cycle	21,108	6,022	1,392	452	432	699	1,475
HVAC Maintenance	51,163	10,888	3,272	988	2,744	2,450	6,811
Energy Management and Control System (EMCS)	15,630	4,792	998	Q	Q	Q	795

Table B14. Selected Principal Activity: Part 2, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Principal Building Activity					
	All Buildings*	Office	Public Assembly	Public Order and Safety	Religious Worship	Service	Warehouse and Storage
All Buildings*	64,783	12,208	3,939	1,090	3,754	4,050	10,078
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	38,910	7,897	2,466	774	2,492	1,948	4,329
Tinted Window Glass	29,887	7,278	1,283	525	1,686	1,495	4,158
Reflective Window Glass	8,544	2,558	360	Q	248	459	925
External Overhangs or Awnings	17,242	2,579	1,063	Q	987	1,038	2,098
Skylights or Atriums	12,546	2,510	650	Q	413	578	1,714
Daylighting Sensors	2,868	618	Q	Q	Q	Q	Q
Specular Reflectors	26,118	6,775	1,271	424	1,105	1,378	3,529
Electronic Ballasts	46,882	10,116	2,561	902	2,175	2,676	6,365
Energy Management and Control System (EMCS) for Lighting	4,781	1,913	Q	Q	Q	Q	Q
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	42,722	8,982	3,012	689	3,223	2,483	4,927
Cooling	43,205	9,407	2,920	687	3,005	2,545	5,208
Lighting	46,987	10,217	3,371	483	3,546	3,220	7,777
Office Equipment	19,397	3,337	1,367	Q	1,671	1,291	3,077

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 B15. Employment Size Category, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	4,645	2,653	778	563	398	147	77	30
Building Floorspace (Square Feet)								
1,001 to 5,000	2,552	1,879	422	202	43	Q	Q	N
5,001 to 10,000	889	452	192	146	87	Q	Q	N
10,001 to 25,000	738	268	134	154	131	42	Q	N
25,001 to 50,000	241	36	24	38	82	44	17	Q
50,001 to 100,000	129	10	4	16	41	31	21	5
100,001 to 200,000	65	6	Q	Q	11	15	18	10
200,001 to 500,000	25	Q	Q	Q	2	4	6	8
Over 500,000	7	Q	N	N	Q	Q	Q	5
Principal Building Activity								
Education	386	150	49	57	69	42	15	3
Food Sales	226	162	Q	Q	Q	Q	Q	N
Food Service	297	101	92	68	30	Q	Q	N
Health Care	129	Q	41	Q	26	3	8	4
Inpatient	8	N	N	Q	Q	Q	4	3
Outpatient	121	Q	41	Q	26	Q	5	Q
Lodging	142	78	18	18	16	8	4	Q
Retail (Other Than Mall)	443	268	90	57	14	12	3	Q
Office	824	255	215	133	128	46	30	18
Public Assembly	277	196	33	27	12	Q	Q	Q
Public Order and Safety	71	30	Q	Q	Q	Q	Q	Q
Religious Worship	370	283	42	31	10	Q	Q	Q
Service	622	462	78	44	29	Q	Q	Q
Warehouse and Storage	597	423	62	67	34	7	3	Q
Other	79	45	Q	Q	Q	Q	Q	1
Vacant	182	179	Q	Q	Q	N	N	N
Year Constructed								
Before 1920	330	203	62	30	21	11	Q	Q
1920 to 1945	527	325	97	51	37	10	5	2
1946 to 1959	562	344	90	61	46	14	5	2
1960 to 1969	579	331	87	74	48	21	14	3
1970 to 1979	731	394	118	91	85	23	15	5
1980 to 1989	707	383	148	69	54	30	14	9
1990 to 1999	876	481	128	135	83	26	18	6
2000 to 2003	334	192	49	49	25	13	4	2
Census Region								
Northeast	726	363	137	110	66	27	16	7
Midwest	1,266	787	173	145	102	37	15	6
South	1,775	1,033	317	200	136	50	28	10
West	878	469	151	108	94	33	18	6
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	855	501	131	101	81	28	10	3
5,500-7,000 HDD	1,173	683	183	151	96	36	16	8
4,000-5,499 HDD	673	360	124	79	62	25	16	6
Fewer than 4,000 HDD	1,276	747	218	141	102	40	22	6
2,000 CDD or More and --								
Fewer than 4,000 HDD	669	362	123	90	56	19	12	6

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Table B15. Employment Size Category, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	4,645	2,653	778	563	398	147	77	30
Number of Floors								
One	3,136	2,005	515	333	198	69	13	3
Two	1,031	491	174	162	134	41	25	4
Three	339	134	77	48	40	19	18	3
Four to Nine	128	23	12	20	24	17	19	13
Ten or More	12	N	Q	Q	Q	Q	2	7
Elevators and Escalators (more than one may apply)								
Any Elevators	309	39	20	54	67	50	53	27
Number of Elevators								
One	208	33	18	48	50	33	24	3
Two to Five	88	Q	Q	6	17	16	27	15
Six or More	13	Q	N	N	Q	Q	2	9
Any Escalators	6	Q	Q	N	Q	Q	Q	3
Weekly Operating Hours								
Fewer than 40	1,002	867	73	40	12	Q	Q	Q
40 to 48	1,117	567	240	161	98	34	14	3
49 to 60	1,062	494	230	150	120	40	19	8
61 to 84	591	255	106	113	69	28	16	4
85 to 167	400	175	74	63	54	21	8	4
Open Continuously	475	294	56	36	43	18	19	10
Ownership and Occupancy								
Nongovernment Owned	4,011	2,347	701	488	303	97	53	22
Owner Occupied	1,841	989	376	238	156	42	30	9
Nonowner Occupied	2,029	1,217	325	250	147	55	23	13
Unoccupied	141	141	N	N	N	N	N	N
Government Owned	635	306	78	75	94	50	24	8
Federal	46	Q	Q	Q	Q	Q	Q	1
State	164	72	Q	26	26	12	6	Q
Local	425	211	52	43	64	34	16	4
Vacancy Status								
Completely Vacant	157	157	N	N	N	N	N	N
Mostly Vacant	25	Q	Q	Q	Q	N	N	N
Partially Vacant	548	322	72	52	46	24	20	12
Not At All Vacant	3,915	2,152	704	509	351	123	57	18
Number of Establishments								
One	3,754	2,233	627	442	291	100	47	13
2 to 5	643	252	149	110	84	29	14	6
6 to 10	55	Q	Q	Q	17	9	6	4
11 to 20	23	Q	Q	N	Q	6	6	2
More than 20	14	Q	N	Q	Q	Q	4	4
Currently Unoccupied	157	157	N	N	N	N	N	N

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Table B15. Employment Size Category, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	4,645	2,653	778	563	398	147	77	30
Energy Sources (more than one may apply)								
Electricity	4,404	2,415	775	563	397	147	77	30
Natural Gas	2,391	1,082	474	359	289	113	52	23
Fuel Oil	451	252	67	38	36	22	20	16
District Heat	67	20	Q	Q	16	7	9	5
District Chilled Water	33	Q	Q	Q	6	7	6	4
Propane	502	318	75	59	30	9	8	3
Other	132	84	Q	Q	13	Q	Q	1
Energy End Uses (more than one may apply)								
Buildings with Space Heating	3,982	2,080	733	536	387	141	76	29
Buildings with Cooling	3,625	1,746	725	523	386	139	76	30
Buildings with Water Heating	3,472	1,653	675	514	384	142	75	30
Buildings with Cooking	801	301	152	134	115	53	31	14
Buildings with Manufacturing	119	48	Q	19	21	Q	3	2
Buildings with Electricity Generation	149	23	Q	21	31	23	22	16
Heating Equipment (more than one may apply)								
Heat Pumps	476	236	89	64	42	23	16	5
Packaged Heat Pumps	278	133	60	32	24	16	10	4
Split-System Heat Pumps	166	92	Q	29	12	Q	Q	1
Individual Room Heat Pumps	58	Q	Q	Q	11	8	5	2
Furnaces	1,864	1,013	399	244	152	40	12	4
Individual Space Heaters	819	470	120	102	86	22	14	5
District Heat	65	Q	Q	Q	16	7	9	5
Boilers	579	216	88	81	94	51	34	15
Packaged Heating Units	953	366	186	165	137	58	33	9
Other	205	125	Q	28	19	5	Q	3
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	1,006	508	240	146	81	19	9	2
Heat Pumps	492	257	89	57	47	22	15	5
Packaged Heat Pumps	288	142	60	30	28	15	9	3
Split-System Heat Pumps	174	104	Q	24	13	Q	Q	1
Individual Room Heat Pumps	58	Q	Q	Q	11	8	5	2
Individual Air Conditioners	742	428	110	93	68	25	14	4
District Chilled Water	33	Q	Q	Q	6	7	6	4
Central Chillers	111	Q	Q	10	29	20	22	14
Packaged Air Conditioning Units	1,613	619	345	274	223	92	44	16
Swamp Coolers	122	64	Q	Q	21	Q	Q	Q
Other	40	Q	Q	Q	Q	Q	Q	1
Main Equipment Replaced Since 1990 (more than one may apply)								
Heating	1,197	626	227	158	123	37	20	6
Cooling	1,356	667	268	183	154	48	25	10

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Table B15. Employment Size Category, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	4,645	2,653	778	563	398	147	77	30
Office Equipment (more than one may apply)								
Computers	3,081	1,271	663	508	392	143	75	30
With Flat Screen Monitors	877	219	186	150	166	83	46	26
Dedicated Servers	1,175	188	256	262	266	110	64	28
Laser Printers	1,970	872	425	300	233	82	44	15
Inkjet Printers	1,420	400	342	275	239	94	48	23
FAX Machines	2,715	1,008	623	466	374	139	75	29
Photocopiers	1,939	575	447	344	332	138	74	29
Number of Computers								
None	1,565	1,382	115	55	Q	Q	Q	N
1 to 4	1,670	1,116	338	160	48	Q	Q	N
5 to 9	559	112	245	131	65	5	Q	Q
10 to 19	370	30	67	165	83	22	Q	Q
20 to 49	255	Q	Q	42	145	33	13	Q
50 to 99	110	Q	Q	Q	36	46	14	Q
100 to 249	79	Q	Q	Q	13	25	34	6
250 or More	38	Q	Q	Q	Q	6	9	21
Number of Dedicated Servers								
None	3,471	2,465	522	301	131	37	12	2
1 to 4	1,060	185	256	257	237	84	34	7
5 to 9	58	Q	Q	Q	18	12	15	5
10 to 19	30	Q	N	N	Q	5	9	7
20 to 49	17	N	N	N	Q	Q	5	5
50 or More	10	N	N	N	Q	Q	Q	5
Number of Photocopiers								
None	2,706	2,078	331	218	66	10	Q	Q
One	1,250	515	362	215	124	29	5	Q
2 to 4	549	60	81	122	182	77	24	3
5 to 9	85	Q	Q	Q	24	22	22	6
10 or More	54	N	Q	N	Q	9	23	20
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	799	300	152	134	115	53	31	14
Activities with Large Amounts of Hot Water	567	199	94	90	99	45	28	11
Separate Computer Area	553	73	73	105	143	84	51	25
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	466	102	79	84	103	41	36	21
Economizer Cycle	508	127	102	65	98	56	38	22
HVAC Maintenance	2,581	1,086	516	408	335	134	74	29
Energy Management and Control System (EMCS)	252	57	18	34	57	41	29	16

Table B15. Employment Size Category, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	4,645	2,653	778	563	398	147	77	30
Window and Interior Lighting Features (more than one may apply)								
Multipaned Windows	2,201	1,056	398	329	255	96	46	21
Tinted Window Glass	1,323	582	227	207	174	66	44	22
Reflective Window Glass	308	150	44	25	45	23	12	8
External Overhangs or Awnings	1,233	585	251	207	119	42	23	7
Skylights or Atriums	331	118	54	59	48	25	17	9
Daylighting Sensors	74	31	Q	Q	10	7	6	3
Specular Reflectors	928	358	178	121	146	67	38	19
Electronic Ballasts	2,577	1,275	452	355	279	122	65	29
Energy Management and Control System (EMCS) for Lighting	60	Q	Q	Q	14	8	5	6
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]								
Heating	2,878	1,522	533	383	259	109	50	22
Cooling	2,761	1,357	547	396	278	109	50	24
Lighting	3,685	1,935	695	510	344	126	57	19
Office Equipment	1,504	721	333	239	138	46	21	4

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 B16. Employment Size Category, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	64,783	15,492	6,166	7,803	10,989	7,934	6,871	9,528
Building Floorspace (Square Feet)								
1,001 to 5,000	6,789	4,659	1,264	689	155	Q	Q	N
5,001 to 10,000	6,585	3,323	1,373	1,109	689	Q	Q	N
10,001 to 25,000	11,535	4,006	2,075	2,456	2,113	692	Q	N
25,001 to 50,000	8,668	1,222	836	1,327	2,920	1,648	667	Q
50,001 to 100,000	9,057	704	291	1,157	2,865	2,151	1,518	371
100,001 to 200,000	9,064	804	Q	Q	1,558	2,014	2,455	1,452
200,001 to 500,000	7,176	Q	Q	Q	533	1,077	1,706	2,571
Over 500,000	5,908	Q	N	N	Q	Q	Q	5,087
Principal Building Activity								
Education	9,874	612	378	740	2,565	2,928	1,995	655
Food Sales	1,255	484	Q	Q	Q	Q	Q	N
Food Service	1,654	336	413	421	367	Q	Q	N
Health Care	3,163	Q	254	Q	335	111	683	1,539
Inpatient	1,905	N	N	Q	Q	Q	379	1,464
Outpatient	1,258	Q	254	Q	312	Q	304	Q
Lodging	5,096	802	437	1,023	1,049	703	562	Q
Retail (Other Than Mall)	4,317	1,235	828	755	440	572	333	Q
Office	12,208	767	964	848	1,755	1,291	1,663	4,920
Public Assembly	3,939	1,381	443	588	836	Q	Q	Q
Public Order and Safety	1,090	145	Q	Q	Q	Q	Q	Q
Religious Worship	3,754	2,117	582	646	246	Q	Q	Q
Service	4,050	1,612	513	747	597	Q	Q	Q
Warehouse and Storage	10,078	3,433	807	1,545	1,843	1,025	585	Q
Other	1,738	159	Q	Q	Q	Q	Q	293
Vacant	2,567	2,359	Q	Q	Q	N	N	N
Year Constructed								
Before 1920	3,769	1,262	524	481	713	400	Q	Q
1920 to 1945	6,871	2,211	608	1,053	909	668	518	903
1946 to 1959	7,045	1,897	634	896	1,536	712	604	767
1960 to 1969	8,101	1,967	642	825	1,408	1,201	1,145	913
1970 to 1979	10,772	2,456	1,016	1,331	1,886	1,092	1,230	1,760
1980 to 1989	10,332	1,625	1,035	889	1,274	1,432	1,403	2,674
1990 to 1999	12,360	2,644	1,206	1,565	2,289	1,557	1,338	1,760
2000 to 2003	5,533	1,431	500	763	973	871	471	524
Census Region								
Northeast	12,905	2,376	1,085	1,872	2,314	1,598	1,331	2,329
Midwest	17,080	4,958	1,463	2,081	2,856	2,311	1,609	1,800
South	23,489	5,670	2,595	2,741	3,883	2,654	2,534	3,413
West	11,310	2,489	1,023	1,109	1,935	1,370	1,397	1,986
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	10,622	2,699	1,035	1,374	2,014	1,673	996	832
5,500-7,000 HDD	17,335	4,857	1,529	2,155	2,709	2,166	1,561	2,357
4,000-5,499 HDD	11,504	1,755	1,013	1,359	2,132	1,316	1,434	2,495
Fewer than 4,000 HDD	15,739	4,076	1,646	1,599	2,498	1,812	2,109	1,999
2,000 CDD or More and --								
Fewer than 4,000 HDD	9,584	2,106	944	1,317	1,635	966	771	1,845

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Table B16. Employment Size Category, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	64,783	15,492	6,166	7,803	10,989	7,934	6,871	9,528
Number of Floors								
One	25,981	9,898	3,480	3,538	4,535	2,649	1,250	630
Two	16,270	3,706	1,627	2,277	3,664	2,254	1,774	968
Three	7,501	1,282	637	942	1,325	1,321	1,341	653
Four to Nine	10,085	605	404	1,040	1,249	1,470	2,134	3,182
Ten or More	4,947	N	Q	Q	Q	Q	372	4,095
Elevators and Escalators (more than one may apply)								
Any Elevators	24,617	1,200	621	1,836	3,055	4,168	5,060	8,677
Number of Elevators								
One	8,221	649	499	1,114	1,660	2,072	1,782	445
Two to Five	10,129	Q	Q	Q	1,285	1,983	2,798	2,709
Six or More	6,268	Q	N	N	Q	Q	480	5,523
Any Escalators	2,350	Q	Q	N	Q	Q	Q	1,973
Weekly Operating Hours								
Fewer than 40	6,863	5,562	484	284	243	Q	Q	Q
40 to 48	11,622	2,700	1,610	1,668	2,458	1,358	1,050	777
49 to 60	15,723	3,057	1,831	2,177	2,633	2,314	1,478	2,233
61 to 84	10,334	1,475	1,043	1,516	2,179	1,439	1,315	1,366
85 to 167	7,092	823	508	974	1,599	1,288	1,045	855
Open Continuously	13,149	1,874	690	1,184	1,876	1,346	1,918	4,260
Ownership and Occupancy								
Nongovernment Owned	49,421	13,316	5,386	6,790	7,940	4,556	4,139	7,293
Owner Occupied	23,591	5,546	2,802	3,668	3,499	2,138	2,262	3,677
Nonowner Occupied	23,914	5,854	2,585	3,123	4,441	2,417	1,877	3,617
Unoccupied	1,916	1,916	N	N	N	N	N	N
Government Owned	15,363	2,176	780	1,013	3,049	3,378	2,732	2,235
Federal	1,956	Q	Q	Q	Q	Q	Q	761
State	3,808	456	Q	277	916	803	681	493
Local	9,599	1,128	495	678	2,022	2,340	1,956	981
Vacancy Status								
Completely Vacant	2,161	2,161	N	N	N	N	N	N
Mostly Vacant	406	Q	Q	Q	Q	N	N	N
Partially Vacant	12,382	1,926	663	910	1,415	1,726	1,572	4,171
Not At All Vacant	49,834	11,207	5,413	6,841	9,509	6,208	5,299	5,357
Number of Establishments								
One	45,144	11,824	4,924	6,115	7,967	5,487	4,368	4,458
2 to 5	10,960	1,399	1,183	1,584	2,369	1,487	1,451	1,486
6 to 10	1,958	Q	Q	Q	476	375	340	565
11 to 20	1,951	Q	Q	N	Q	511	420	853
More than 20	2,609	Q	N	Q	Q	Q	293	2,165
Currently Unoccupied	2,161	2,161	N	N	N	N	N	N

Table B16. Employment Size Category, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	64,783	15,492	6,166	7,803	10,989	7,934	6,871	9,528
Energy Sources (more than one may apply)								
Electricity	63,307	14,061	6,147	7,803	10,962	7,934	6,871	9,528
Natural Gas	43,468	7,023	4,084	5,317	8,212	6,156	5,127	7,549
Fuel Oil	15,157	1,459	625	1,024	1,602	2,131	2,149	6,168
District Heat	5,443	853	Q	Q	667	474	1,050	2,191
District Chilled Water	2,853	Q	Q	Q	327	505	583	1,219
Propane	7,076	2,092	564	907	907	956	661	989
Other	1,401	307	Q	Q	319	Q	Q	205
Energy End Uses (more than one may apply)								
Buildings with Space Heating	60,028	12,182	5,822	7,410	10,822	7,650	6,766	9,376
Buildings with Cooling	56,940	9,591	5,726	7,304	10,566	7,428	6,806	9,519
Buildings with Water Heating	56,478	9,525	5,393	7,182	10,480	7,688	6,815	9,395
Buildings with Cooking	22,237	1,886	1,172	2,010	3,829	3,699	3,515	6,126
Buildings with Manufacturing	3,138	288	Q	367	762	Q	382	628
Buildings with Electricity Generation	12,821	248	Q	439	1,347	2,103	2,357	6,113
Heating Equipment (more than one may apply)								
Heat Pumps	8,814	1,196	647	932	1,460	1,398	1,513	1,668
Packaged Heat Pumps	5,442	636	443	520	749	938	869	1,286
Split-System Heat Pumps	2,581	530	Q	364	443	Q	Q	587
Individual Room Heat Pumps	2,691	Q	Q	Q	504	643	581	545
Furnaces	19,615	5,347	3,043	3,057	3,814	1,899	1,290	1,165
Individual Space Heaters	12,545	2,782	938	1,542	2,364	1,628	1,300	1,991
District Heat	5,166	Q	Q	Q	653	460	972	2,063
Boilers	20,423	1,986	1,140	1,884	3,588	3,556	3,401	4,869
Packaged Heating Units	18,021	2,269	1,571	2,209	3,526	2,835	2,736	2,874
Other	3,262	544	Q	394	799	372	Q	808
Cooling Equipment (more than one may apply)								
Residential-Type Central Air Conditioners	11,035	2,630	1,461	2,035	2,129	1,097	776	906
Heat Pumps	9,041	1,303	696	862	1,485	1,339	1,427	1,929
Packaged Heat Pumps	5,426	703	492	489	764	887	828	1,264
Split-System Heat Pumps	2,606	570	Q	325	455	Q	Q	600
Individual Room Heat Pumps	2,940	Q	Q	Q	518	613	531	861
Individual Air Conditioners	12,558	2,342	1,144	1,608	2,680	1,710	1,328	1,746
District Chilled Water	2,853	Q	Q	Q	327	505	583	1,219
Central Chillers	11,636	Q	Q	294	1,243	1,736	2,436	5,590
Packaged Air Conditioning Units	29,969	3,964	3,025	4,059	5,941	4,517	3,939	4,524
Swamp Coolers	1,561	349	Q	Q	410	Q	Q	Q
Other	1,232	Q	Q	Q	Q	Q	Q	250
Main Equipment Replaced Since 1990 (more than one may apply)								
Heating	16,403	3,368	1,920	2,360	3,283	2,172	1,836	1,463
Cooling	20,995	3,688	2,054	2,753	4,139	2,518	2,487	3,357

Table B16. Employment Size Category, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	64,783	15,492	6,166	7,803	10,989	7,934	6,871	9,528
Office Equipment (more than one may apply)								
Computers	55,627	7,716	5,515	7,456	10,870	7,828	6,714	9,528
With Flat Screen Monitors	26,417	1,269	1,537	2,418	4,134	4,283	4,356	8,420
Dedicated Servers	36,338	1,248	2,266	4,233	7,252	6,453	5,853	9,033
Laser Printers	33,012	5,130	3,660	4,409	6,785	4,689	3,717	4,623
Inkjet Printers	32,210	2,375	2,610	4,002	6,375	4,824	4,484	7,540
FAX Machines	52,373	5,814	5,103	6,958	10,372	7,798	6,825	9,503
Photocopiers	46,257	3,884	3,761	5,560	9,770	7,382	6,620	9,279
Number of Computers								
None	9,156	7,777	651	347	Q	Q	Q	N
1 to 4	12,395	6,537	2,654	1,910	991	Q	Q	N
5 to 9	7,179	690	2,164	2,062	1,583	514	Q	Q
10 to 19	6,610	242	445	2,336	2,436	888	Q	Q
20 to 49	7,414	Q	Q	607	3,697	1,832	755	Q
50 to 99	5,376	Q	Q	Q	1,352	1,869	1,261	Q
100 to 249	6,690	Q	Q	Q	682	1,846	2,856	1,164
250 or More	9,963	Q	Q	Q	Q	751	1,367	7,626
Number of Dedicated Servers								
None	28,445	14,244	3,900	3,570	3,737	1,481	1,018	495
1 to 4	24,116	1,238	2,263	4,108	6,522	4,846	3,438	1,700
5 to 9	3,864	Q	Q	Q	472	874	1,010	1,376
10 to 19	3,027	Q	N	N	Q	306	879	1,678
20 to 49	2,583	N	N	N	Q	Q	420	1,749
50 or More	2,748	N	N	N	Q	Q	Q	2,530
Number of Photocopiers								
None	18,526	11,608	2,405	2,243	1,218	552	Q	Q
One	15,475	3,378	2,948	3,434	3,699	1,369	503	Q
2 to 4	15,082	488	786	1,736	5,046	4,260	2,055	710
5 to 9	5,515	Q	Q	Q	913	1,258	1,987	932
10 or More	10,185	N	Q	N	Q	496	2,075	7,492
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	22,223	1,872	1,172	2,010	3,829	3,699	3,515	6,126
Activities with Large Amounts of Hot Water	19,482	1,842	1,062	2,031	3,540	2,931	3,190	4,886
Separate Computer Area	26,873	532	645	2,213	4,533	5,114	5,119	8,716
HVAC Conservation Features (more than one may apply)								
Variable Air-Volume System	19,597	1,043	626	1,349	2,953	3,058	3,547	7,021
Economizer Cycle	21,108	969	962	996	3,277	3,680	4,151	7,073
HVAC Maintenance	51,163	7,480	4,189	6,214	9,677	7,478	6,693	9,431
Energy Management and Control System (EMCS)	15,630	507	302	517	2,250	3,050	3,262	5,742

Table B16. Employment Size Category, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
		Number of Workers						
	All Buildings*	Fewer than 5 Workers	5 to 9 Workers	10 to 19 Workers	20 to 49 Workers	50 to 99 Workers	100 to 249 Workers	250 or More Workers
All Buildings*	64,783	15,492	6,166	7,803	10,989	7,934	6,871	9,528
Window and Interior Lighting Features (more than one may apply)								
Multipaned Windows	38,910	6,336	3,351	4,917	7,333	5,550	4,574	6,850
Tinted Window Glass	29,887	4,604	2,150	2,788	4,692	3,975	4,226	7,452
Reflective Window Glass	8,544	986	229	449	1,213	1,473	1,093	3,100
External Overhangs or Awnings	17,242	3,002	1,845	2,924	2,769	2,282	2,055	2,365
Skylights or Atriums	12,546	834	665	1,580	1,868	2,023	1,990	3,587
Daylighting Sensors	2,868	211	Q	Q	375	432	428	1,183
Specular Reflectors	26,118	2,554	1,623	2,483	4,410	4,039	3,980	7,028
Electronic Ballasts	46,882	7,653	3,942	5,454	7,894	6,744	5,977	9,218
Energy Management and Control System (EMCS) For Lighting	4,781	Q	Q	Q	603	700	735	2,538
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]								
Heating	42,722	8,305	4,310	5,290	7,271	5,757	4,648	7,139
Cooling	43,205	7,318	4,490	5,546	7,520	5,893	4,765	7,672
Lighting	46,987	10,224	5,264	6,412	8,751	6,393	4,854	5,089
Office Equipment	19,397	4,417	2,678	3,104	3,847	2,324	1,923	1,104

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 B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Building Floorspace (Square Feet)									
1,001 to 5,000	2,552	2,272	980	1,205	87	280	Q	77	183
5,001 to 10,000	889	783	384	375	Q	106	Q	Q	87
10,001 to 25,000	738	625	320	293	Q	113	Q	40	64
25,001 to 50,000	241	185	91	86	Q	56	Q	16	36
50,001 to 100,000	129	82	35	40	Q	47	Q	9	37
100,001 to 200,000	65	43	21	20	Q	22	Q	8	12
200,001 to 500,000	25	16	7	8	Q	9	2	1	5
Over 500,000	7	5	2	3	N	2	1	Q	Q
Principal Building Activity									
Education	386	141	83	58	N	245	Q	59	175
Food Sales	226	224	94	130	N	Q	N	Q	Q
Food Service	297	283	72	211	N	Q	N	Q	Q
Health Care	129	122	68	54	N	7	Q	Q	Q
Inpatient	8	7	4	3	N	1	Q	Q	Q
Outpatient	121	115	64	51	N	Q	Q	Q	Q
Lodging	142	134	48	86	N	9	Q	Q	Q
Retail (Other Than Mall)	443	441	189	252	N	Q	Q	N	N
Office	824	742	402	339	N	82	7	28	47
Public Assembly	277	182	114	68	N	94	Q	23	67
Public Order and Safety	71	Q	Q	Q	N	47	Q	Q	42
Religious Worship	370	370	247	124	N	N	N	N	N
Service	622	542	285	257	N	80	12	Q	42
Warehouse and Storage	597	571	175	396	N	26	Q	Q	Q
Other	79	70	38	32	N	Q	Q	Q	Q
Vacant	182	166	Q	Q	141	Q	Q	Q	Q
Year Constructed									
Before 1920	330	304	168	125	Q	25	Q	Q	19
1920 to 1945	527	461	222	206	Q	67	8	15	44
1946 to 1959	562	463	213	227	Q	99	Q	22	74
1960 to 1969	579	482	242	224	Q	97	Q	28	56
1970 to 1979	731	638	286	334	Q	92	Q	25	60
1980 to 1989	707	624	273	326	Q	83	Q	24	55
1990 to 1999	876	759	327	423	Q	117	Q	30	84
2000 to 2003	334	280	110	163	Q	55	Q	Q	33
Census Region									
Northeast	726	642	365	261	Q	84	Q	25	51
Midwest	1,266	1,118	557	518	43	149	11	24	114
South	1,775	1,563	598	888	77	212	6	50	156
West	878	689	321	362	Q	190	Q	66	103
Climate Zone: 30-Year Average									
Under 2,000 CDD and -- More than 7,000 HDD	855	762	374	361	Q	93	Q	27	56
5,500-7,000 HDD	1,173	973	546	399	27	200	27	36	137
4,000-5,499 HDD	673	608	276	318	Q	65	1	Q	42
Fewer than 4,000 HDD	1,276	1,103	440	621	42	173	Q	64	105
2,000 CDD or More and -- Fewer than 4,000 HDD	669	565	204	330	Q	104	Q	Q	85

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Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Number of Floors									
One	3,136	2,675	1,119	1,454	102	461	35	114	312
Two	1,031	921	478	414	29	110	Q	28	79
Three	339	303	175	120	Q	37	Q	9	22
Four to Nine	128	102	65	36	Q	26	2	13	11
Ten or More	12	10	4	6	N	2	0	Q	Q
Elevators and Escalators (more than one may apply)									
Any Elevators	309	231	121	102	Q	78	6	27	45
Number of Elevators									
One	208	154	87	60	Q	54	Q	15	35
Two to Five	88	67	28	37	Q	21	1	11	9
Six or More	13	10	6	4	Q	3	1	1	1
Any Escalators	6	5	3	2	Q	1	Q	Q	Q
Number of Workers (main shift)									
Fewer than 5	2,653	2,347	989	1,217	141	306	Q	72	211
5 to 9	778	701	376	325	N	78	Q	Q	52
10 to 19	563	488	238	250	N	75	Q	26	43
20 to 49	398	303	156	147	N	94	Q	26	64
50 to 99	147	97	42	55	N	50	Q	12	34
100 to 249	77	53	30	23	N	24	Q	6	16
250 or More	30	22	9	13	N	8	1	Q	4
Weekly Operating Hours									
Fewer than 40	1,002	854	356	357	141	148	Q	Q	107
40 to 48	1,117	897	494	403	N	220	Q	58	150
49 to 60	1,062	932	469	463	N	129	6	35	88
61 to 84	591	532	213	319	N	59	Q	14	34
85 to 167	400	374	158	216	N	25	Q	11	9
Open Continuously	475	422	151	271	N	53	4	12	37
Vacancy Status									
Completely Vacant	157	141	N	N	141	Q	Q	Q	Q
Mostly Vacant	25	25	Q	Q	N	Q	N	N	Q
Partially Vacant	548	477	176	301	N	71	Q	12	50
Not At All Vacant	3,915	3,368	1,654	1,714	N	547	37	151	360
Number of Establishments									
One	3,754	3,200	1,460	1,740	N	553	41	147	366
2 to 5	643	584	342	242	N	59	Q	13	41
6 to 10	55	50	23	27	N	5	Q	Q	Q
11 to 20	23	22	10	12	N	Q	Q	Q	Q
More than 20	14	13	5	8	N	Q	Q	Q	Q
Currently Unoccupied	157	141	N	N	141	Q	Q	Q	Q

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Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Multibuilding Facility									
Not Part of a Multibuilding Facility	3,169	2,949	1,395	1,448	106	219	12	38	170
College or University	83	32	21	11	N	51	N	43	Q
Primary or Secondary School	254	34	Q	20	N	221	Q	41	164
Office Complex	111	105	40	62	Q	Q	Q	Q	Q
Retail Complex	151	150	55	88	Q	Q	N	Q	N
Religious Campus or Complex	195	195	136	57	Q	N	N	N	N
Health Care Complex	39	30	14	16	N	Q	Q	Q	Q
Lodging or Resort Complex	61	59	15	40	Q	Q	Q	N	Q
Government Complex	87	Q	N	Q	N	84	15	Q	50
Other	496	456	152	284	Q	40	Q	Q	27
Predominant Exterior Wall Material									
Brick, Stone or Stucco	2,044	1,738	822	851	64	306	21	84	202
Concrete (Block or Poured)	786	682	326	322	35	104	5	12	87
Concrete Panels	131	113	35	73	Q	18	Q	8	10
Siding or Shingles	779	669	323	329	Q	110	Q	Q	66
Metal Panels	825	731	299	413	Q	93	Q	Q	57
Window Glass	17	16	2	14	Q	Q	Q	Q	Q
Other	47	45	27	18	Q	Q	Q	Q	Q
No One Major Type	18	Q	Q	Q	Q	Q	N	Q	Q
Predominant Roof Material									
Built-Up	1,036	848	344	460	44	188	8	51	129
Shingles (Not Wood)	1,325	1,159	592	536	Q	166	Q	46	113
Metal Surfacing	1,288	1,140	499	603	Q	148	Q	34	96
Synthetic or Rubber	511	431	208	208	Q	80	7	15	58
Slate or Tile	263	232	105	119	Q	31	Q	Q	Q
Wooden Materials	122	114	44	66	Q	Q	Q	Q	Q
Concrete	61	53	30	23	N	Q	Q	Q	Q
Other	16	12	Q	Q	Q	Q	Q	Q	Q
No One Major Type	25	23	Q	Q	N	Q	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation Since 1980	1,018	871	484	368	Q	147	7	28	112
Addition or Annex	256	212	132	80	Q	44	Q	7	37
Reduction In Floorspace	22	18	12	Q	N	Q	Q	Q	Q
Cosmetic Improvements	741	648	367	268	Q	93	3	18	73
Wall or Roof Replacement	370	305	176	124	Q	65	Q	10	51
Interior Wall Re-Configuration	411	350	204	140	Q	60	3	11	46
HVAC Equipment Upgrade	442	360	222	135	Q	82	4	12	66
Lighting Upgrade	455	369	213	150	Q	85	4	16	66
Window Replacement	310	261	169	84	Q	50	Q	6	42
Plumbing System Upgrade	315	257	156	93	Q	58	3	11	44
Insulation Upgrade	227	197	117	74	Q	31	Q	Q	25
Other Renovation	19	18	13	Q	N	Q	Q	Q	Q
No Renovations Since 1980	1,710	1,477	647	748	82	233	27	66	140
Building Newer than 1980									

Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
	1,917	1,663	710	913	40	254	12	71	172
Energy Sources (more than one may apply)									
Electricity	4,404	3,783	1,817	1,885	81	620	46	163	411
Natural Gas	2,391	2,078	1,044	997	36	313	23	72	218
Fuel Oil	451	371	209	161	Q	80	4	24	52
District Heat	67	25	16	8	Q	42	4	27	11
District Chilled Water	33	13	9	4	Q	19	0	12	7
Propane	502	425	225	194	Q	77	Q	Q	53
Other	132	122	75	46	Q	10	Q	Q	Q
Space-Heating Energy Sources (more than one may apply)									
Electricity	1,766	1,519	714	781	24	246	14	55	177
Natural Gas	2,165	1,879	975	872	31	287	21	65	201
Fuel Oil	360	309	183	126	N	51	Q	15	32
District Heat	65	23	16	7	Q	42	4	27	11
Propane	372	317	167	146	Q	55	Q	Q	38
Other	113	107	67	40	Q	Q	Q	Q	Q
Primary Space-Heating Energy Source									
Electricity	1,258	1,093	490	581	Q	165	Q	40	117
Natural Gas	1,999	1,727	888	808	31	272	21	59	192
Fuel Oil	282	239	143	96	N	43	Q	Q	26
District Heat	63	22	16	7	Q	41	4	26	11
Propane	308	260	122	134	Q	47	Q	Q	33
Other	72	71	42	Q	N	Q	N	N	Q
Cooling Energy Sources (more than one may apply)									
Electricity	3,589	3,097	1,546	1,511	39	493	35	125	333
Natural Gas	17	12	7	4	N	Q	Q	Q	Q
District Chilled Water	33	13	9	4	Q	19	0	12	7
Water-Heating Energy Sources (more than one may apply)									
Electricity	1,910	1,657	847	796	Q	253	20	61	172
Natural Gas	1,445	1,248	618	611	Q	197	12	41	144
Fuel Oil	94	72	46	25	N	23	Q	Q	13
District Heat	27	11	8	Q	N	17	1	15	Q
Propane	128	107	49	58	N	21	Q	Q	17
Cooking Energy Sources (more than one may apply)									
Electricity	410	329	151	178	Q	81	Q	9	69
Natural Gas	457	389	170	217	Q	68	1	9	57
Propane	108	91	52	38	Q	16	Q	Q	13

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Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Energy End Uses (more than one may apply)									
Buildings with Space Heating	3,982	3,413	1,700	1,655	58	569	40	151	378
Buildings with Cooling	3,625	3,112	1,556	1,516	39	513	35	139	340
Buildings with Water Heating	3,472	2,994	1,507	1,453	34	479	33	119	327
Buildings with Cooking	801	670	319	348	Q	131	Q	18	109
Buildings with Manufacturing	119	118	70	47	N	Q	Q	Q	Q
Buildings with Electricity Generation	149	97	53	44	Q	52	Q	13	38
Percent of Floorspace Heated									
Not Heated	663	598	140	374	83	66	Q	Q	46
1 to 50	523	478	221	245	Q	45	Q	Q	31
51 to 99	498	421	194	218	Q	77	5	13	59
100	2,962	2,515	1,285	1,192	37	447	32	126	289
Percent of Floorspace Cooled									
Not Cooled	1,020	899	284	513	102	121	Q	26	85
1 to 50	985	865	456	394	Q	120	Q	38	72
51 to 99	629	534	274	257	Q	95	6	17	72
100	2,011	1,713	826	866	Q	299	20	84	195
Percent Lit When Open									
Zero	47	45	Q	Q	N	Q	N	Q	Q
1 to 50	929	831	453	378	N	98	Q	26	64
51 to 99	1,108	939	477	463	N	168	17	36	115
100	2,176	1,839	863	977	N	337	21	98	218
Building Never Open/ Electricity Not Used	386	356	38	177	141	30	Q	Q	Q
Percent Lit When Closed									
Zero	1,964	1,660	805	796	58	304	Q	83	200
1 to 50	1,882	1,633	806	807	20	249	20	67	162
51 to 100	136	122	55	63	Q	15	Q	Q	Q
Building Never Closed/ Electricity Not Used	664	596	174	362	60	67	4	12	51
Heating Equipment (more than one may apply)									
Heat Pumps	476	401	226	170	Q	74	2	22	50
Packaged Heat Pumps	278	239	132	101	Q	39	Q	Q	26
Split-System Heat Pumps	166	152	91	61	N	14	Q	Q	Q
Individual Room Heat Pumps	58	32	14	18	N	25	Q	Q	23
Furnaces	1,864	1,664	863	772	Q	200	Q	48	144
Individual Space Heaters	819	700	329	358	Q	119	12	19	88
District Heat	65	23	16	7	Q	42	4	26	11
Boilers	579	448	254	191	Q	131	14	31	87
Packaged Heating Units	953	813	375	426	Q	140	6	27	107
Other	205	182	85	93	Q	23	Q	Q	15

CONTINUED

Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	1,006	915	463	444	Q	92	2	19	71
Heat Pumps	492	413	228	177	Q	79	Q	22	52
Packaged Heat Pumps	288	247	133	106	Q	41	Q	Q	25
Split-System Heat Pumps	174	157	93	64	N	17	Q	Q	Q
Individual Room Heat Pumps	58	33	14	19	N	25	Q	Q	23
Individual Air Conditioners	742	607	299	298	Q	135	Q	38	87
District Chilled Water	33	13	9	4	Q	19	0	12	7
Central Chillers	111	51	27	23	Q	60	4	21	35
Packaged Air Conditioning Units	1,613	1,403	689	702	Q	210	14	42	154
Swamp Coolers	122	98	51	47	Q	24	Q	Q	Q
Other	40	33	17	16	N	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	1,197	1,047	537	487	Q	150	7	42	101
Cooling	1,356	1,187	617	557	Q	170	15	44	111
Water Heating Equipment									
Centralized System	2,513	2,182	1,110	1,043	Q	331	27	80	224
Distributed System	785	681	325	352	Q	104	Q	28	72
Combination of Centralized and Distributed System	175	131	72	59	Q	43	2	11	31
Lighting Equipment Types (more than one may apply)									
Incandescent	2,184	1,913	973	928	Q	271	20	64	187
Standard Fluorescent	3,943	3,369	1,680	1,673	16	575	43	156	376
Compact Fluorescent	941	785	399	385	Q	156	11	49	97
High Intensity Discharge	455	348	177	166	Q	107	9	31	67
Halogen	565	503	251	247	Q	62	6	15	41
Other	8	Q	Q	Q	N	Q	N	Q	Q
Refrigeration Equipment (more than one may apply)[a]									
Any Refrigeration	3,176	2,763	1,403	1,342	Q	413	23	110	280
Commercial Refrigeration	1,007	872	383	486	Q	135	Q	19	111
Walk-In Units	666	576	230	345	Q	90	2	12	75
Cases or Cabinets	825	729	317	410	Q	95	Q	15	77
Residential-Type Units	2,370	2,049	1,108	927	Q	321	19	85	216
Vending Machines	996	779	392	385	Q	217	15	62	140
No Refrigeration	1,469	1,248	437	687	123	221	Q	55	144

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Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Office Equipment (more than one may apply)									
Computers	3,081	2,576	1,350	1,218	Q	505	28	144	333
With Flat Screen Monitors	877	717	381	336	N	159	12	52	95
Dedicated Servers	1,175	967	516	450	Q	208	16	46	146
Laser Printers	1,970	1,642	892	745	Q	328	13	84	232
Inkjet Printers	1,420	1,190	605	582	Q	230	19	67	144
FAX Machines	2,715	2,373	1,210	1,154	Q	341	20	98	224
Photocopiers	1,939	1,638	949	682	Q	301	20	88	193
Number of Computers									
None	1,565	1,435	491	811	133	130	Q	Q	92
1 to 4	1,670	1,491	748	735	Q	179	Q	54	120
5 to 9	559	491	268	223	N	68	Q	19	38
10 to 19	370	297	176	121	Q	73	Q	Q	47
20 to 49	255	181	104	76	N	74	Q	23	49
50 to 99	110	60	30	31	N	50	Q	13	36
100 to 249	79	35	15	20	N	44	Q	10	33
250 or More	38	21	9	11	N	17	1	6	10
Number of Dedicated Servers									
None	3,471	3,044	1,325	1,579	141	426	29	118	279
1 to 4	1,060	878	468	409	Q	182	13	36	133
5 to 9	58	45	26	18	N	13	Q	Q	9
10 to 19	30	23	11	12	N	7	1	4	Q
20 to 49	17	12	4	8	N	5	Q	Q	Q
50 or More	10	9	6	3	N	1	Q	Q	Q
Number of Photocopiers									
None	2,706	2,373	891	1,347	134	334	25	77	232
One	1,250	1,109	641	460	Q	142	Q	51	79
2 to 4	549	432	253	179	N	117	Q	26	85
5 to 9	85	57	35	22	N	28	Q	8	19
10 or More	54	40	20	21	N	14	1	3	10
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	799	668	319	348	Q	131	Q	18	109
Activities with Large Amounts of Hot Water	567	452	211	239	Q	115	Q	31	80
Separate Computer Area	553	353	186	167	Q	200	8	47	146
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	466	351	185	164	Q	115	3	35	77
Economizer Cycle	508	366	187	175	Q	143	6	46	91
HVAC Maintenance	2,581	2,119	1,084	1,018	16	462	32	129	302
Energy Management and Control System (EMCS)	252	124	64	57	Q	128	4	31	94

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Table B17. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	4,645	4,011	1,841	2,029	141	635	46	164	425
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	2,201	1,874	993	845	35	327	20	83	224
Tinted Window Glass	1,323	1,120	556	543	20	204	13	56	135
Reflective Window Glass	308	277	132	140	Q	31	Q	8	19
External Overhangs or Awnings	1,233	1,101	540	537	Q	132	10	26	96
Skylights or Atriums	331	276	143	128	Q	54	4	15	35
Daylighting Sensors	74	62	33	27	Q	12	Q	Q	8
Specular Reflectors	928	752	389	358	Q	175	15	45	115
Electronic Ballasts	2,577	2,149	1,052	1,090	Q	428	25	111	292
Energy Management and Control System (EMCS) for Lighting	60	39	18	21	N	21	Q	Q	17
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]									
Heating	2,878	2,463	1,280	1,143	40	415	24	104	287
Cooling	2,761	2,361	1,225	1,109	Q	401	28	104	269
Lighting	3,685	3,153	1,590	1,563	N	533	40	146	346
Office Equipment	1504	1230	687	539	Q	273	10	76	187

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 B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Building Floorspace (Square Feet)									
1,001 to 5,000	6,789	6,043	2,682	3,162	199	746	Q	206	498
5,001 to 10,000	6,585	5,827	2,858	2,791	Q	758	Q	Q	620
10,001 to 25,000	11,535	9,738	5,028	4,530	Q	1,797	Q	604	1,044
25,001 to 50,000	8,668	6,659	3,197	3,141	Q	2,009	Q	531	1,327
50,001 to 100,000	9,057	5,779	2,464	2,951	Q	3,278	Q	620	2,557
100,001 to 200,000	9,064	5,958	2,919	2,714	Q	3,106	Q	1,142	1,644
200,001 to 500,000	7,176	4,803	2,048	2,408	Q	2,373	545	408	1,420
Over 500,000	5,908	4,613	2,396	2,217	N	1,295	606	Q	Q
Principal Building Activity									
Education	9,874	2,070	1,232	839	N	7,804	Q	1,671	6,067
Food Sales	1,255	1,243	541	702	N	Q	N	Q	Q
Food Service	1,654	1,547	489	1,058	N	Q	N	Q	Q
Health Care	3,163	2,662	1,611	1,051	N	501	121	Q	168
Inpatient	1,905	1,557	911	646	N	348	Q	Q	Q
Outpatient	1,258	1,105	700	405	N	Q	Q	Q	Q
Lodging	5,096	4,734	1,624	3,110	N	363	Q	Q	Q
Retail (Other Than Mall)	4,317	4,312	2,020	2,292	N	Q	Q	N	N
Office	12,208	10,515	5,571	4,944	N	1,693	482	531	680
Public Assembly	3,939	2,189	1,204	984	N	1,751	Q	726	977
Public Order and Safety	1,090	Q	Q	Q	N	967	Q	Q	853
Religious Worship	3,754	3,754	2,804	950	N	N	N	N	N
Service	4,050	3,018	1,680	1,338	N	1,032	533	Q	293
Warehouse and Storage	10,078	9,371	3,736	5,635	N	Q	Q	Q	Q
Other	1,738	1,574	774	800	N	164	Q	Q	Q
Vacant	2,567	2,310	Q	Q	1,916	Q	Q	Q	Q
Year Constructed									
Before 1920	3,769	3,119	1,716	1,357	Q	650	Q	Q	440
1920 to 1945	6,871	4,879	2,883	1,597	Q	1,992	Q	282	1,020
1946 to 1959	7,045	4,994	2,514	2,252	Q	2,050	Q	377	1,551
1960 to 1969	8,101	5,660	2,917	2,452	Q	2,441	333	819	1,289
1970 to 1979	10,772	8,167	3,410	4,315	Q	2,605	Q	738	1,572
1980 to 1989	10,332	8,564	4,095	4,336	Q	1,768	Q	566	1,094
1990 to 1999	12,360	9,529	4,039	5,289	Q	2,830	Q	713	1,758
2000 to 2003	5,533	4,508	2,016	2,315	Q	1,025	Q	Q	874
Census Region									
Northeast	12,905	10,389	5,904	4,204	Q	2,517	Q	599	1,706
Midwest	17,080	12,470	6,171	5,539	760	4,610	Q	764	2,925
South	23,489	17,826	7,869	9,358	600	5,662	521	1,718	3,423
West	11,310	8,736	3,648	4,813	Q	2,574	Q	727	1,545
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	10,622	8,063	3,894	3,972	Q	2,558	167	696	1,695
5,500-7,000 HDD	17,335	12,350	6,510	5,030	810	4,985	1,135	709	3,141
4,000-5,499 HDD	11,504	9,204	4,791	4,244	Q	2,300	Q	692	1,182
Fewer than 4,000 HDD	15,739	12,409	5,496	6,439	473	3,330	144	1,247	1,939
2,000 CDD or More and --									
Fewer than 4,000 HDD	9,584	7,396	2,899	4,228	Q	2,189	Q	Q	1,642

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Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Number of Floors									
One	25,981	20,203	8,613	10,719	870	5,779	902	917	3,959
Two	16,270	12,450	5,914	5,901	636	3,819	Q	842	2,834
Three	7,501	5,694	3,061	2,402	Q	1,807	Q	349	1,332
Four to Nine	10,085	6,678	3,822	2,677	Q	3,406	650	1,531	1,226
Ten or More	4,947	4,396	2,181	2,215	N	551	136	Q	Q
Elevators and Escalators (more than one may apply)									
Any Elevators	24,617	17,048	8,806	7,777	Q	7,569	1,012	2,382	4,174
Number of Elevators									
One	8,221	4,926	2,507	2,181	Q	3,295	Q	774	2,292
Two to Five	10,129	7,177	3,670	3,307	Q	2,952	186	1,346	1,420
Six or More	6,268	4,945	2,629	2,289	Q	1,323	598	263	462
Any Escalators	2,350	1,839	1,001	832	Q	511	Q	Q	Q
Number of Workers (main shift)									
Fewer than 5	15,492	13,316	5,546	5,854	1,916	2,176	Q	456	1,128
5 to 9	6,166	5,386	2,802	2,585	N	780	Q	Q	495
10 to 19	7,803	6,790	3,668	3,123	N	1,013	Q	277	678
20 to 49	10,989	7,940	3,499	4,441	N	3,049	Q	916	2,022
50 to 99	7,934	4,556	2,138	2,417	N	3,378	Q	803	2,340
100 to 249	6,871	4,139	2,262	1,877	N	2,732	Q	681	1,956
250 or More	9,528	7,293	3,677	3,617	N	2,235	761	493	981
Weekly Operating Hours									
Fewer than 40	6,863	5,716	2,009	1,791	1,916	1,147	Q	Q	903
40 to 48	11,622	7,898	4,166	3,732	N	3,724	Q	667	2,980
49 to 60	15,723	11,414	5,978	5,435	N	4,310	Q	763	2,613
61 to 84	10,334	7,997	3,722	4,275	N	2,337	208	760	1,369
85 to 167	7,092	5,305	2,582	2,724	N	1,786	Q	883	830
Open Continuously	13,149	11,090	5,134	5,956	N	2,059	601	555	903
Vacancy Status									
Completely Vacant	2,161	1,916	N	N	1,916	Q	Q	Q	Q
Mostly Vacant	406	394	Q	Q	N	Q	N	N	Q
Partially Vacant	12,382	10,331	4,935	5,395	N	2,051	352	297	1,403
Not At All Vacant	49,834	36,780	18,429	18,350	N	13,054	1,560	3,478	8,016
Number of Establishments									
One	45,144	32,808	15,690	17,118	N	12,336	1,683	2,633	8,020
2 to 5	10,960	8,830	4,948	3,882	N	2,130	Q	866	1,177
6 to 10	1,958	1,539	519	1,020	N	419	Q	Q	Q
11 to 20	1,951	1,791	1,149	642	N	Q	Q	Q	Q
More than 20	2,609	2,536	1,285	1,251	N	Q	Q	Q	Q
Currently Unoccupied	2,161	1,916	N	N	1,916	Q	Q	Q	Q

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Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Multibuilding Facility									
Not Part of a Multibuilding Facility	40,048	33,774	15,943	16,453	1,378	6,275	716	780	4,779
College or University	3,480	1,224	905	318	N	2,256	N	2,169	Q
Primary or Secondary School	3,947	373	Q	243	N	3,574	Q	259	3,132
Office Complex	2,712	2,606	1,034	1,350	Q	Q	Q	Q	Q
Retail Complex	1,238	1,229	548	665	Q	Q	N	Q	N
Religious Campus or Complex	2,347	2,347	1,690	624	Q	N	N	N	N
Health Care Complex	2,303	1,820	1,096	725	N	483	Q	227	153
Lodging or Resort Complex	912	871	156	708	Q	Q	Q	N	Q
Government Complex	2,014	Q	N	Q	N	1,977	Q	Q	928
Other	5,783	5,140	2,088	2,792	Q	642	Q	Q	446
Predominant Exterior Wall Material									
Brick, Stone or Stucco	32,817	22,216	11,555	9,903	758	10,601	1,364	2,631	6,605
Concrete (Block or Poured)	10,832	8,760	3,947	4,341	472	2,073	215	396	1,461
Concrete Panels	6,559	5,559	2,048	3,105	Q	1,000	Q	414	369
Siding or Shingles	4,120	3,587	1,772	1,738	Q	532	Q	Q	396
Metal Panels	7,912	7,291	3,318	3,874	Q	621	Q	Q	384
Window Glass	1,024	858	363	400	Q	Q	Q	Q	Q
Other	1,113	909	499	404	Q	Q	Q	Q	Q
No One Major Type	406	Q	Q	Q	Q	Q	N	Q	Q
Predominant Roof Material									
Built-Up	21,170	14,966	6,276	7,639	1,051	6,205	522	1,610	4,073
Shingles (Not Wood)	10,195	8,595	4,557	3,787	Q	1,599	Q	329	1,141
Metal Surfacing	11,944	10,315	4,947	5,148	Q	1,629	Q	265	1,269
Synthetic or Rubber	14,730	10,271	4,967	4,958	Q	4,458	592	1,254	2,612
Slate or Tile	2,462	1,994	1,029	928	Q	468	Q	Q	Q
Wooden Materials	887	720	294	421	Q	Q	Q	Q	Q
Concrete	2,231	1,578	825	753	N	Q	Q	Q	Q
Other	598	514	Q	Q	Q	Q	Q	Q	Q
No One Major Type	565	467	Q	Q	N	Q	Q	N	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation Since 1980	17,844	12,881	6,930	5,531	Q	4,963	464	1,071	3,428
Addition or Annex	6,551	4,589	2,573	1,905	Q	1,962	Q	411	1,430
Reduction In Floorspace	1,012	829	423	Q	N	Q	Q	Q	Q
Cosmetic Improvements	13,119	9,663	5,136	4,325	Q	3,456	180	787	2,489
Wall or Roof Replacement	8,070	5,614	2,953	2,629	Q	2,457	294	458	1,705
Interior Wall Re-Configuration	8,518	6,238	3,436	2,745	Q	2,280	Q	584	1,472
HVAC Equipment Upgrade	10,768	7,265	4,236	3,027	Q	3,503	305	724	2,474
Lighting Upgrade	10,275	6,981	3,872	3,077	Q	3,294	268	750	2,275
Window Replacement	6,354	4,526	2,644	1,753	Q	1,828	Q	318	1,419
Plumbing System Upgrade	7,144	4,943	2,766	2,142	Q	2,201	Q	503	1,499
Insulation Upgrade	4,015	2,776	1,867	876	Q	1,238	Q	Q	865
Other Renovation	523	427	253	Q	N	Q	Q	Q	Q
No Renovations Since 1980	18,714	13,938	6,511	6,442	985	4,776	1,008	1,324	2,444
Building Newer than 1980	28,225	22,601	10,150	11,940	511	5,624	484	1,413	3,726

Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Energy Sources (more than one may apply)									
Electricity	63,307	48,012	23,454	23,258	1,299	15,295	1,951	3,786	9,558
Natural Gas	43,468	33,317	16,548	15,886	883	10,150	1,083	2,438	6,630
Fuel Oil	15,157	11,374	6,092	5,215	Q	3,783	381	962	2,441
District Heat	5,443	2,148	1,421	698	Q	3,295	Q	1,694	653
District Chilled Water	2,853	1,069	711	323	Q	1,785	247	1,051	487
Propane	7,076	5,280	2,481	2,639	Q	1,796	Q	Q	1,030
Other	1,401	1,033	611	396	Q	368	Q	Q	Q
Space-Heating Energy Sources (more than one may apply)									
Electricity	28,600	23,040	10,959	11,681	400	5,560	588	716	4,257
Natural Gas	36,959	28,612	14,264	13,526	821	8,347	782	1,814	5,751
Fuel Oil	5,988	4,378	2,595	1,784	N	1,609	Q	328	1,167
District Heat	5,198	1,984	1,363	591	Q	3,214	Q	1,631	639
Propane	3,204	2,554	1,556	951	Q	649	Q	Q	440
Other	842	718	451	241	Q	Q	Q	Q	Q
Primary Space-Heating Energy Source									
Electricity	15,996	13,204	5,410	7,618	Q	2,793	Q	276	2,444
Natural Gas	32,970	25,322	12,902	11,605	815	7,647	777	1,521	5,350
Fuel Oil	3,818	2,805	1,764	1,041	N	1,013	Q	Q	685
District Heat	4,907	1,860	1,314	517	Q	3,047	Q	1,589	519
Propane	1,955	1,538	747	743	Q	417	Q	Q	301
Other	382	335	228	Q	N	Q	N	N	Q
Cooling Energy Sources (more than one may apply)									
Electricity	54,321	42,323	20,954	20,829	540	11,998	1,163	2,553	8,282
Natural Gas	1,018	678	444	234	N	Q	Q	Q	Q
District Chilled Water	2,853	1,069	711	323	Q	1,785	247	1,051	487
Water-Heating Energy Sources (more than one may apply)									
Electricity	27,490	22,196	11,450	10,431	Q	5,294	465	1,015	3,814
Natural Gas	28,820	21,116	10,036	10,611	Q	7,705	786	1,742	5,177
Fuel Oil	1,880	1,201	880	321	N	679	Q	Q	445
District Heat	3,088	1,495	994	501	N	1,592	Q	1,074	Q
Propane	1,422	965	453	511	N	458	Q	Q	360
Cooking Energy Sources (more than one may apply)									
Electricity	13,161	8,072	4,183	3,884	Q	5,089	Q	622	4,166
Natural Gas	15,438	10,740	5,319	5,381	Q	4,698	502	652	3,544
Propane	1,460	926	472	453	Q	534	Q	Q	431

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Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Energy End Uses (more than one may apply)									
Buildings with Space Heating	60,028	45,064	22,364	21,630	1,069	14,964	1,908	3,710	9,346
Buildings with Cooling	56,940	43,341	21,640	21,160	540	13,599	1,357	3,542	8,701
Buildings with Water Heating	56,478	42,588	21,511	20,404	673	13,890	1,407	3,626	8,857
Buildings with Cooking	22,237	14,480	7,694	6,740	Q	7,757	674	976	6,107
Buildings with Manufacturing	3,138	3,010	1,591	1,419	N	Q	Q	Q	Q
Buildings with Electricity Generation	12,821	8,748	4,441	4,219	Q	4,073	459	1,172	2,442
Percent of Floorspace Heated									
Not Heated	4,756	4,357	1,227	2,283	847	399	Q	Q	253
1 to 50	6,850	6,466	3,006	3,240	Q	384	Q	Q	273
51 to 99	8,107	6,023	3,132	2,838	Q	2,083	288	344	1,452
100	45,071	32,575	16,226	15,553	795	12,497	1,603	3,273	7,621
Percent of Floorspace Cooled									
Not Cooled	7,843	6,080	1,951	2,753	1,376	1,763	Q	266	898
1 to 50	16,598	13,595	6,911	6,386	Q	3,003	Q	645	2,124
51 to 99	13,211	9,742	4,982	4,734	Q	3,468	484	738	2,247
100	27,132	20,004	9,748	10,040	Q	7,128	639	2,159	4,330
Percent Lit When Open									
Zero	293	271	Q	Q	N	Q	N	Q	Q
1 to 50	10,203	9,154	5,113	4,041	N	1,049	Q	352	617
51 to 99	18,288	12,832	6,655	6,178	N	5,456	591	1,468	3,397
100	32,789	24,275	11,545	12,729	N	8,514	1,239	1,944	5,331
Building Never Open/ Electricity Not Used	3,210	2,888	200	772	1,916	321	Q	Q	Q
Percent Lit When Closed									
Zero	17,385	13,423	6,600	6,138	685	3,962	Q	813	2,595
1 to 50	30,948	22,166	10,993	10,562	611	8,782	646	2,326	5,809
51 to 100	2,093	1,601	754	844	Q	492	Q	Q	Q
Building Never Closed/ Electricity Not Used	14,357	12,231	5,244	6,370	617	2,126	606	577	944
Heating Equipment (more than one may apply)									
Heat Pumps	8,814	6,502	3,362	3,117	Q	2,312	Q	216	1,764
Packaged Heat Pumps	5,442	4,032	2,199	1,810	Q	1,410	Q	Q	1,008
Split-System Heat Pumps	2,581	2,002	1,017	985	N	579	Q	Q	Q
Individual Room Heat Pumps	2,691	1,698	776	922	N	993	Q	Q	948
Furnaces	19,615	16,722	8,468	7,808	Q	2,893	Q	530	2,250
Individual Space Heaters	12,545	9,880	5,128	4,575	Q	2,665	406	364	1,896
District Heat	5,166	1,980	1,363	587	Q	3,186	Q	1,603	639
Boilers	20,423	13,422	7,033	6,172	Q	7,001	756	1,444	4,801
Packaged Heating Units	18,021	14,279	6,674	7,225	Q	3,742	325	499	2,918
Other	3,262	2,836	1,246	1,537	Q	427	Q	Q	297

Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	11,035	9,150	4,697	4,405	Q	1,885	Q	233	1,322
Heat Pumps	9,041	6,709	3,500	3,170	Q	2,332	Q	216	1,743
Packaged Heat Pumps	5,426	4,055	2,180	1,836	Q	1,371	Q	Q	922
Split-System Heat Pumps	2,606	2,021	998	1,023	N	585	Q	Q	Q
Individual Room Heat Pumps	2,940	1,924	951	973	N	1,016	Q	Q	971
Individual Air Conditioners	12,558	9,008	4,461	4,419	Q	3,550	253	686	2,612
District Chilled Water	2,853	1,069	711	323	Q	1,785	247	1,051	487
Central Chillers	11,636	7,055	3,586	3,432	Q	4,581	681	1,258	2,642
Packaged Air Conditioning Units	29,969	23,772	11,883	11,561	Q	6,197	606	1,002	4,588
Swamp Coolers	1,561	1,153	642	505	Q	407	Q	Q	Q
Other	1,232	920	495	425	N	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	16,403	12,856	6,478	6,166	Q	3,547	171	750	2,626
Cooling	20,995	16,049	8,043	7,957	Q	4,946	600	974	3,372
Water Heating Equipment									
Centralized System	34,671	26,319	13,602	12,176	Q	8,352	737	2,537	5,077
Distributed System	11,540	9,328	4,646	4,567	Q	2,212	Q	456	1,504
Combination of Centralized and Distributed System	10,267	6,941	3,263	3,661	Q	3,326	417	633	2,276
Lighting Equipment Types (more than one may apply)									
Incandescent	38,528	29,422	15,132	13,986	Q	9,106	1,016	2,460	5,630
Standard Fluorescent	59,688	44,937	22,532	21,857	548	14,750	1,946	3,743	9,060
Compact Fluorescent	27,571	20,019	10,599	9,326	Q	7,552	935	2,274	4,343
High Intensity Discharge	20,643	13,866	6,915	6,727	Q	6,777	1,215	1,411	4,152
Halogen	17,703	14,281	7,011	7,240	Q	3,422	415	688	2,318
Other	269	Q	Q	Q	N	Q	N	Q	Q
Refrigeration Equipment (more than one may apply)[a]									
Any Refrigeration	52,974	39,741	20,451	18,870	Q	13,233	1,297	3,302	8,633
Commercial Refrigeration	26,768	18,344	9,103	9,190	Q	8,424	732	1,324	6,368
Walk-In Units	20,254	13,335	6,276	7,009	Q	6,920	689	1,097	5,134
Cases or Cabinets	20,424	14,486	7,055	7,389	Q	5,938	528	995	4,415
Residential-Type Units	38,884	29,266	15,919	13,060	Q	9,618	1,071	2,256	6,291
Vending Machines	35,335	24,400	12,198	12,087	Q	10,935	1,188	2,913	6,834
No Refrigeration	11,809	9,680	3,140	5,043	1,497	2,130	Q	506	965

Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Office Equipment (more than one may apply)									
Computers	55,627	41,299	20,996	20,004	Q	14,329	1,674	3,661	8,994
With Flat Screen Monitors	26,417	18,776	10,016	8,760	N	7,641	919	2,395	4,327
Dedicated Servers	36,338	25,984	13,472	12,497	Q	10,354	1,207	2,409	6,738
Laser Printers	33,012	24,340	12,680	11,429	Q	8,672	616	1,804	6,252
Inkjet Printers	32,210	24,321	12,192	12,091	Q	7,889	1,104	2,233	4,552
FAX Machines	52,373	39,573	20,042	19,296	Q	12,800	1,273	3,306	8,221
Photocopiers	46,257	33,724	17,771	15,878	Q	12,533	1,322	3,242	7,969
Number of Computers									
None	9,156	8,122	2,595	3,910	1,617	1,034	Q	Q	604
1 to 4	12,395	10,829	5,187	5,377	Q	1,566	Q	373	855
5 to 9	7,179	6,426	3,509	2,917	N	754	Q	186	349
10 to 19	6,610	5,635	2,785	2,815	Q	975	Q	Q	603
20 to 49	7,414	5,697	2,859	2,838	N	1,718	Q	570	1,059
50 to 99	5,376	3,273	1,694	1,579	N	2,103	Q	524	1,466
100 to 249	6,690	3,040	1,439	1,601	N	3,651	Q	712	2,853
250 or More	9,963	6,400	3,522	2,878	N	3,563	724	1,030	1,809
Number of Dedicated Servers									
None	28,445	23,437	10,119	11,416	1,902	5,009	Q	1,399	2,861
1 to 4	24,116	17,137	8,776	8,346	Q	6,979	413	1,290	5,277
5 to 9	3,864	2,654	1,448	1,206	N	1,210	Q	Q	794
10 to 19	3,027	1,913	1,011	902	N	1,115	149	500	Q
20 to 49	2,583	1,937	975	962	N	646	Q	Q	Q
50 or More	2,748	2,344	1,262	1,081	N	404	Q	Q	Q
Number of Photocopiers									
None	18,526	15,697	5,820	8,036	1,841	2,830	Q	566	1,630
One	15,475	12,917	6,962	5,881	Q	2,557	Q	752	1,483
2 to 4	15,082	10,222	5,091	5,131	N	4,860	Q	1,199	3,527
5 to 9	5,515	3,124	1,737	1,388	N	2,391	Q	773	1,492
10 or More	10,185	7,461	3,982	3,478	N	2,724	739	518	1,467
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	22,223	14,478	7,694	6,740	Q	7,746	674	976	6,096
Activities with Large Amounts of Hot Water	19,482	12,990	6,200	6,744	Q	6,492	630	1,274	4,589
Separate Computer Area	26,873	17,092	8,862	8,196	Q	9,781	996	2,064	6,720
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	19,597	13,196	6,873	6,088	Q	6,401	569	1,892	3,941
Economizer Cycle	21,108	14,155	7,269	6,730	Q	6,953	753	2,093	4,108
HVAC Maintenance	51,163	37,125	18,712	17,826	587	14,039	1,868	3,523	8,648
Energy Management and Control System (EMCS)	15,630	8,641	4,651	3,844	Q	6,989	524	1,782	4,683

Table B18. Occupancy of Nongovernment-Owned and Government-Owned Buildings, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
		Nongovernment-Owned Buildings				Government-Owned Buildings			
	All Buildings*	Nongovernment-Owned Buildings	Owner Occupied	Nonowner Occupied	Unoccupied	Government-Owned Buildings	Federal	State	Local
All Buildings*	64,783	49,421	23,591	23,914	1,916	15,363	1,956	3,808	9,599
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	38,910	29,309	15,206	13,582	522	9,600	846	2,246	6,509
Tinted Window Glass	29,887	22,272	10,920	10,517	835	7,615	1,491	1,850	4,274
Reflective Window Glass	8,544	6,782	3,174	3,495	Q	1,762	Q	311	1,157
External Overhangs or Awnings	17,242	13,668	6,840	6,659	Q	3,574	259	983	2,332
Skylights or Atriums	12,546	8,961	4,997	3,900	Q	3,585	394	808	2,383
Daylighting Sensors	2,868	2,020	952	1,040	Q	848	Q	Q	534
Specular Reflectors	26,118	18,580	9,742	8,568	Q	7,538	1,414	1,730	4,394
Electronic Ballasts	46,882	34,000	17,281	16,360	Q	12,882	1,747	3,201	7,933
Energy Management and Control System (EMCS) for Lighting	4,781	3,370	1,846	1,524	N	1,411	Q	Q	1,137
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]									
Heating	42,722	31,594	16,247	14,526	821	11,128	948	2,424	7,756
Cooling	43,205	32,135	16,719	15,007	Q	11,070	959	2,599	7,512
Lighting	46,987	34,378	17,600	16,778	N	12,609	1,284	3,154	8,172
Office Equipment	19,397	13,287	7,170	5,935	Q	6,110	Q	1,141	4,380

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 B19. Number of Establishments in Building, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	4,645	3,754	643	55	23	14	157
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	2,131	311	Q	Q	N	100
5,001 to 10,000	889	720	136	Q	N	Q	Q
10,001 to 25,000	738	590	104	22	Q	Q	Q
25,001 to 50,000	241	163	50	11	Q	Q	Q
50,001 to 100,000	129	87	25	4	5	Q	Q
100,001 to 200,000	65	43	11	4	Q	Q	Q
200,001 to 500,000	25	15	5	Q	1	2	Q
Over 500,000	7	3	1	Q	Q	1	Q
Principal Building Activity							
Education	386	360	21	Q	N	N	N
Food Sales	226	203	Q	N	N	Q	N
Food Service	297	270	26	Q	N	N	N
Health Care	129	91	34	Q	Q	Q	N
Inpatient	8	6	1	Q	Q	Q	N
Outpatient	121	84	32	Q	Q	Q	N
Lodging	142	130	12	Q	N	N	N
Retail (Other Than Mall)	443	368	68	Q	Q	Q	N
Office	824	536	228	37	14	7	N
Public Assembly	277	237	35	Q	Q	Q	N
Public Order and Safety	71	57	Q	Q	Q	N	N
Religious Worship	370	339	31	N	Q	N	N
Service	622	561	58	Q	Q	N	N
Warehouse and Storage	597	518	74	Q	Q	Q	N
Other	79	63	15	Q	N	Q	N
Vacant	182	Q	Q	N	N	N	157
Year Constructed							
Before 1920	330	248	61	Q	Q	Q	Q
1920 to 1945	527	402	84	Q	Q	Q	35
1946 to 1959	562	449	78	Q	Q	Q	Q
1960 to 1969	579	479	74	7	Q	Q	Q
1970 to 1979	731	599	92	12	7	3	Q
1980 to 1989	707	545	111	12	4	4	Q
1990 to 1999	876	746	106	Q	Q	Q	Q
2000 to 2003	334	286	37	Q	Q	Q	Q
Census Region							
Northeast	726	559	130	12	5	3	Q
Midwest	1,266	1,047	157	12	2	Q	47
South	1,775	1,444	215	16	9	7	84
West	878	704	141	15	7	3	Q
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	855	667	147	8	Q	Q	Q
5,500-7,000 HDD	1,173	955	167	16	5	Q	28
4,000-5,499 HDD	673	554	87	6	4	Q	Q
Fewer than 4,000 HDD	1,276	1,060	143	13	4	5	51
2,000 CDD or More and --							
Fewer than 4,000 HDD	669	516	99	11	8	2	32

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Table B19. Number of Establishments in Building, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	4,645	3,754	643	55	23	14	157
Number of Floors							
One	3,136	2,670	333	17	Q	Q	111
Two	1,031	757	211	19	Q	Q	33
Three	339	244	64	9	5	Q	Q
Four to Nine	128	79	31	8	5	2	Q
Ten or More	12	3	3	Q	1	3	N
Elevators and Escalators (more than one may apply)							
Any Elevators	309	183	74	22	12	8	9
Number of Elevators							
One	208	132	52	12	Q	Q	Q
Two to Five	88	46	19	9	7	4	Q
Six or More	13	4	3	1	1	3	Q
Any Escalators	6	3	Q	Q	Q	1	Q
Number of Workers (main shift)							
Fewer than 5	2,653	2,233	252	Q	Q	Q	157
5 to 9	778	627	149	Q	Q	N	N
10 to 19	563	442	110	Q	N	Q	N
20 to 49	398	291	84	17	Q	Q	N
50 to 99	147	100	29	9	6	Q	N
100 to 249	77	47	14	6	6	4	N
250 or More	30	13	6	4	2	4	N
Weekly Operating Hours							
Fewer than 40	1,002	774	68	N	Q	Q	157
40 to 48	1,117	868	225	13	Q	Q	N
49 to 60	1,062	836	192	23	8	4	N
61 to 84	591	505	68	12	3	3	N
85 to 167	400	358	39	Q	Q	Q	N
Open Continuously	475	413	51	5	3	2	N
Ownership and Occupancy							
Nongovernment Owned	4,011	3,200	584	50	22	13	141
Owner Occupied	1,841	1,460	342	23	10	5	N
Nonowner Occupied	2,029	1,740	242	27	12	8	N
Unoccupied	141	N	N	N	N	N	141
Government Owned	635	553	59	5	Q	Q	Q
Federal	46	41	Q	Q	Q	Q	Q
State	164	147	13	Q	Q	Q	Q
Local	425	366	41	Q	Q	Q	Q
Vacancy Status							
Completely Vacant	157	N	N	N	N	N	157
Mostly Vacant	25	Q	Q	N	N	N	N
Partially Vacant	548	391	107	26	14	10	N
Not At All Vacant	3,915	3,344	529	29	9	4	N

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Table B19. Number of Establishments in Building, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	4,645	3,754	643	55	23	14	157
Multibuilding Facility							
Not Part of a Multibuilding Facility	3,169	2,509	489	34	13	11	113
College or University	83	67	14	Q	Q	Q	N
Primary or Secondary School	254	252	Q	N	N	N	Q
Office Complex	111	50	40	14	3	Q	Q
Retail Complex	151	134	Q	Q	N	Q	Q
Religious Campus or Complex	195	170	Q	Q	Q	N	Q
Health Care Complex	39	27	11	Q	Q	Q	Q
Lodging or Resort Complex	61	51	Q	Q	N	N	Q
Government Complex	87	71	Q	Q	Q	Q	Q
Other	496	422	46	Q	Q	Q	Q
Energy Sources (more than one may apply)							
Electricity	4,404	3,591	635	55	23	14	85
Natural Gas	2,391	1,912	382	39	12	9	37
Fuel Oil	451	373	65	6	3	3	Q
District Heat	67	45	15	Q	Q	1	Q
District Chilled Water	33	22	8	Q	Q	Q	Q
Propane	502	433	60	Q	Q	Q	Q
Other	132	107	24	Q	N	Q	Q
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	3,233	602	53	22	13	60
Buildings with Cooling	3,625	2,921	578	52	22	12	40
Buildings with Water Heating	3,472	2,779	574	53	21	10	34
Buildings with Cooking	801	676	106	Q	5	3	Q
Buildings with Manufacturing	119	89	25	Q	Q	Q	N
Buildings with Electricity Generation	149	109	28	6	3	3	Q
Heating Equipment (more than one may apply)							
Heat Pumps	476	398	57	8	5	2	Q
Packaged Heat Pumps	278	228	34	Q	Q	Q	Q
Split-System Heat Pumps	166	141	21	Q	Q	Q	N
Individual Room Heat Pumps	58	51	4	Q	Q	Q	N
Furnaces	1,864	1,483	321	22	Q	Q	Q
Individual Space Heaters	819	669	126	7	Q	2	Q
District Heat	65	43	15	Q	Q	Q	Q
Boilers	579	464	92	8	5	6	Q
Packaged Heating Units	953	769	148	14	6	4	Q
Other	205	169	27	Q	Q	Q	Q

Table B19. Number of Establishments in Building, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	4,645	3,754	643	55	23	14	157
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	1,006	764	219	13	Q	Q	Q
Heat Pumps	492	410	58	8	6	2	Q
Packaged Heat Pumps	288	234	34	Q	Q	Q	Q
Split-System Heat Pumps	174	148	22	Q	Q	Q	N
Individual Room Heat Pumps	58	51	4	Q	Q	Q	N
Individual Air Conditioners	742	610	112	7	Q	Q	Q
District Chilled Water	33	22	8	Q	Q	Q	Q
Central Chillers	111	79	19	6	3	4	Q
Packaged Air Conditioning Units	1,613	1,318	240	25	10	7	Q
Swamp Coolers	122	97	20	Q	Q	Q	Q
Other	40	28	Q	Q	Q	Q	N
Main Equipment Replaced Since 1990 (more than one may apply)							
Heating	1,197	949	197	16	7	4	Q
Cooling	1,356	1,078	236	19	8	4	Q
Office Equipment (more than one may apply)							
Computers	3,081	2,443	539	55	23	13	Q
With Flat Screen Monitors	877	637	186	29	14	11	Q
Dedicated Servers	1,175	880	238	34	14	8	Q
Laser Printers	1,970	1,545	370	32	11	8	Q
Inkjet Printers	1,420	1,102	254	33	18	10	Q
FAX Machines	2,715	2,107	511	55	21	11	Q
Photocopiers	1,939	1,463	391	47	21	10	Q
Number of Computers							
None	1,565	1,311	104	N	Q	Q	148
1 to 4	1,670	1,402	241	Q	Q	Q	Q
5 to 9	559	439	114	Q	Q	Q	N
10 to 19	370	278	80	Q	Q	Q	Q
20 to 49	255	178	61	12	Q	Q	N
50 to 99	110	69	24	9	5	Q	N
100 to 249	79	55	11	5	5	Q	Q
250 or More	38	22	7	3	2	3	N
Number of Dedicated Servers							
None	3,471	2,873	405	20	Q	Q	157
1 to 4	1,060	818	212	21	7	Q	Q
5 to 9	58	35	11	8	3	Q	N
10 to 19	30	15	6	4	Q	2	N
20 to 49	17	8	5	Q	Q	3	N
50 or More	10	5	Q	Q	Q	1	N
Number of Photocopiers							
None	2,706	2,291	252	Q	Q	Q	150
One	1,250	1,023	202	Q	Q	Q	Q
2 to 4	549	371	159	13	Q	Q	Q
5 to 9	85	50	17	15	Q	Q	N
10 or More	54	18	12	9	9	7	N

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Table B19. Number of Establishments in Building, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	4,645	3,754	643	55	23	14	157
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	799	676	106	Q	5	3	Q
Activities with Large Amounts of Hot Water	567	486	71	5	2	2	Q
Separate Computer Area	553	421	103	15	8	6	Q
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	466	361	73	15	9	5	Q
Economizer Cycle	508	396	80	19	6	5	Q
HVAC Maintenance	2,581	2,069	420	44	21	9	17
Energy Management and Control System (EMCS)	252	197	34	9	4	4	Q
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	2,201	1,751	354	33	14	8	41
Tinted Window Glass	1,323	1,032	227	26	11	6	21
Reflective Window Glass	308	252	32	10	Q	3	Q
External Overhangs or Awnings	1,233	968	205	20	8	Q	28
Skylights or Atriums	331	248	60	9	4	3	Q
Daylighting Sensors	74	64	7	Q	Q	Q	Q
Specular Reflectors	928	746	139	21	11	6	Q
Electronic Ballasts	2,577	2,113	390	36	16	14	Q
Energy Management and Control System (EMCS) for Lighting	60	49	6	Q	1	2	N
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	2,878	2,328	447	39	12	11	42
Cooling	2,761	2,199	471	40	13	11	27
Lighting	3,685	3,041	566	47	20	11	N
Office Equipment	1,504	1,225	246	20	5	Q	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 B20. Number of Establishments in Building, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	64,783	45,144	10,960	1,958	1,951	2,609	2,161
Building Floorspace (Square Feet)							
1,001 to 5,000	6,789	5,613	916	Q	Q	N	223
5,001 to 10,000	6,585	5,304	1,031	Q	N	Q	Q
10,001 to 25,000	11,535	9,098	1,732	383	Q	Q	Q
25,001 to 50,000	8,668	5,807	1,837	355	Q	Q	Q
50,001 to 100,000	9,057	6,218	1,739	273	337	Q	Q
100,001 to 200,000	9,064	6,102	1,545	539	Q	Q	Q
200,001 to 500,000	7,176	4,246	1,361	Q	389	531	Q
Over 500,000	5,908	2,756	800	Q	Q	1,522	Q
Principal Building Activity							
Education	9,874	8,714	946	Q	N	N	N
Food Sales	1,255	1,057	Q	N	N	Q	N
Food Service	1,654	1,375	246	Q	N	N	N
Health Care	3,163	2,004	735	Q	Q	Q	N
Inpatient	1,905	1,328	361	Q	Q	Q	N
Outpatient	1,258	676	374	Q	Q	Q	N
Lodging	5,096	4,234	783	Q	N	N	N
Retail (Other Than Mall)	4,317	3,410	630	Q	Q	Q	N
Office	12,208	4,894	2,709	1,144	1,332	2,129	N
Public Assembly	3,939	3,110	677	Q	Q	Q	N
Public Order and Safety	1,090	643	Q	Q	Q	N	N
Religious Worship	3,754	3,272	479	N	Q	N	N
Service	4,050	3,509	465	Q	Q	N	N
Warehouse and Storage	10,078	7,560	2,034	Q	Q	Q	N
Other	1,738	1,188	495	Q	N	Q	N
Vacant	2,567	Q	Q	N	N	N	2,161
Year Constructed							
Before 1920	3,769	2,460	788	Q	Q	Q	Q
1920 to 1945	6,871	4,557	997	Q	Q	Q	465
1946 to 1959	7,045	5,229	1,145	Q	Q	Q	Q
1960 to 1969	8,101	5,582	1,476	306	Q	Q	Q
1970 to 1979	10,772	7,604	1,552	297	277	600	Q
1980 to 1989	10,332	6,287	2,142	387	491	882	Q
1990 to 1999	12,360	9,151	2,080	Q	Q	Q	Q
2000 to 2003	5,533	4,273	780	Q	Q	Q	Q
Census Region							
Northeast	12,905	8,061	2,517	571	722	696	Q
Midwest	17,080	12,359	2,803	510	301	Q	892
South	23,489	16,947	3,740	550	589	1,011	652
West	11,310	7,776	1,900	327	340	688	Q
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	10,622	7,138	2,271	401	Q	Q	Q
5,500-7,000 HDD	17,335	12,514	2,774	540	409	Q	821
4,000-5,499 HDD	11,504	7,713	1,887	341	533	812	Q
Fewer than 4,000 HDD	15,739	11,616	2,422	226	387	598	491
2,000 CDD or More and --							
Fewer than 4,000 HDD	9,584	6,163	1,606	450	304	760	303

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Table B20. Number of Establishments in Building, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	64,783	45,144	10,960	1,958	1,951	2,609	2,161
Number of Floors							
One	25,981	20,956	3,717	265	Q	Q	889
Two	16,270	11,910	2,858	527	Q	Q	652
Three	7,501	5,084	1,279	259	481	Q	Q
Four to Nine	10,085	5,860	2,335	697	496	345	Q
Ten or More	4,947	1,332	772	Q	693	1,940	N
Elevators and Escalators (more than one may apply)							
Any Elevators	24,617	13,567	4,830	1,404	1,729	2,453	634
Number of Elevators							
One	8,221	5,751	1,639	360	Q	Q	Q
Two to Five	10,129	5,410	2,137	804	959	462	Q
Six or More	6,268	2,406	1,054	241	638	1,900	Q
Any Escalators	2,350	1,023	Q	Q	Q	809	Q
Number of Workers (main shift)							
Fewer than 5	15,492	11,824	1,399	Q	Q	Q	2,161
5 to 9	6,166	4,924	1,183	Q	Q	N	N
10 to 19	7,803	6,115	1,584	Q	N	Q	N
20 to 49	10,989	7,967	2,369	476	Q	Q	N
50 to 99	7,934	5,487	1,487	375	511	Q	N
100 to 249	6,871	4,368	1,451	340	420	293	N
250 or More	9,528	4,458	1,486	565	853	2,165	N
Weekly Operating Hours							
Fewer than 40	6,863	4,235	437	N	Q	Q	2,161
40 to 48	11,622	8,244	2,714	213	Q	Q	N
49 to 60	15,723	10,192	3,022	806	852	851	N
61 to 84	10,334	7,310	1,664	323	346	691	N
85 to 167	7,092	5,645	1,038	Q	Q	Q	N
Open Continuously	13,149	9,518	2,086	403	437	705	N
Ownership and Occupancy							
Nongovernment Owned	49,421	32,808	8,830	1,539	1,791	2,536	1,916
Owner Occupied	23,591	15,690	4,948	519	1,149	1,285	N
Nonowner Occupied	23,914	17,118	3,882	1,020	642	1,251	N
Unoccupied	1,916	N	N	N	N	N	1,916
Government Owned	15,363	12,336	2,130	419	Q	Q	Q
Federal	1,956	1,683	Q	Q	Q	Q	Q
State	3,808	2,633	866	Q	Q	Q	Q
Local	9,599	8,020	1,177	Q	Q	Q	Q
Vacancy Status							
Completely Vacant	2,161	N	N	N	N	N	2,161
Mostly Vacant	406	Q	Q	N	N	N	N
Partially Vacant	12,382	5,288	2,473	1,043	1,427	2,151	N
Not At All Vacant	49,834	39,682	8,255	915	524	458	N

Table B20. Number of Establishments in Building, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	64,783	45,144	10,960	1,958	1,951	2,609	2,161
Multibuilding Facility							
Not Part of a Multibuilding Facility	40,048	27,568	6,792	1,019	1,064	2,005	1,601
College or University	3,480	2,136	1,085	Q	Q	Q	N
Primary or Secondary School	3,947	3,779	Q	N	N	N	Q
Office Complex	2,712	877	546	422	375	Q	Q
Retail Complex	1,238	1,004	Q	Q	N	Q	Q
Religious Campus or Complex	2,347	2,027	Q	Q	Q	N	Q
Health Care Complex	2,303	1,620	471	Q	Q	Q	Q
Lodging or Resort Complex	912	698	Q	Q	N	N	Q
Government Complex	2,014	1,559	Q	Q	Q	Q	Q
Other	5,783	3,877	1,000	Q	Q	Q	Q
Energy Sources (more than one may apply)							
Electricity	63,307	44,379	10,921	1,958	1,951	2,609	1,489
Natural Gas	43,468	30,518	7,593	1,355	1,271	1,797	933
Fuel Oil	15,157	9,213	2,657	524	1,119	1,567	Q
District Heat	5,443	3,063	1,301	Q	Q	436	Q
District Chilled Water	2,853	1,608	849	Q	Q	Q	Q
Propane	7,076	5,379	1,071	Q	Q	Q	Q
Other	1,401	858	409	Q	N	Q	Q
Energy End Uses (more than one may apply)							
Buildings with Space Heating	60,028	42,173	10,296	1,924	1,858	2,555	1,222
Buildings with Cooling	56,940	39,811	10,345	1,922	1,700	2,577	585
Buildings with Water Heating	56,478	39,280	10,117	1,933	1,880	2,550	718
Buildings with Cooking	22,237	16,102	3,530	398	639	1,481	Q
Buildings with Manufacturing	3,138	1,980	632	Q	Q	Q	N
Buildings with Electricity Generation	12,821	7,603	2,400	476	829	1,415	Q
Heating Equipment (more than one may apply)							
Heat Pumps	8,814	6,637	1,111	368	350	325	Q
Packaged Heat Pumps	5,442	3,980	686	Q	Q	Q	Q
Split-System Heat Pumps	2,581	2,094	321	Q	Q	Q	N
Individual Room Heat Pumps	2,691	2,008	310	Q	Q	Q	N
Furnaces	19,615	14,437	3,761	414	Q	Q	Q
Individual Space Heaters	12,545	8,528	2,419	420	Q	419	Q
District Heat	5,166	2,905	1,245	Q	Q	Q	Q
Boilers	20,423	14,218	3,370	646	704	1,227	Q
Packaged Heating Units	18,021	12,903	2,880	597	650	610	Q
Other	3,262	2,022	508	Q	Q	Q	Q

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Table B20. Number of Establishments in Building, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	64,783	45,144	10,960	1,958	1,951	2,609	2,161
Cooling Equipment (more than one may apply)							
Residential-Type Central Air Conditioners	11,035	8,024	2,313	329	Q	Q	Q
Heat Pumps	9,041	6,659	1,166	366	355	456	Q
Packaged Heat Pumps	5,426	3,938	688	Q	Q	Q	Q
Split-System Heat Pumps	2,606	2,056	354	Q	Q	Q	N
Individual Room Heat Pumps	2,940	2,095	329	Q	Q	Q	N
Individual Air Conditioners	12,558	9,223	2,358	315	Q	Q	Q
District Chilled Water	2,853	1,608	849	Q	Q	Q	Q
Central Chillers	11,636	6,679	1,834	573	689	1,820	Q
Packaged Air Conditioning Units	29,969	21,391	5,283	982	966	1,019	Q
Swamp Coolers	1,561	1,204	233	Q	Q	Q	Q
Other	1,232	729	Q	Q	Q	Q	N
Main Equipment Replaced Since 1990 (more than one may apply)							
Heating	16,403	11,523	2,890	559	798	405	Q
Cooling	20,995	14,585	3,831	699	655	1,147	Q
Office Equipment (more than one may apply)							
Computers	55,627	38,544	10,293	1,958	1,948	2,571	Q
With Flat Screen Monitors	26,417	15,859	5,172	1,415	1,546	2,413	Q
Dedicated Servers	36,338	23,761	6,942	1,532	1,711	2,363	Q
Laser Printers	33,012	22,914	6,411	1,214	877	1,354	Q
Inkjet Printers	32,210	20,886	6,233	1,284	1,602	2,163	Q
FAX Machines	52,373	35,578	10,038	1,951	1,946	2,581	Q
Photocopiers	46,257	31,326	8,809	1,846	1,689	2,496	Q
Number of Computers							
None	9,156	6,600	667	N	Q	Q	1,847
1 to 4	12,395	10,211	1,720	Q	Q	Q	Q
5 to 9	7,179	5,347	1,475	Q	Q	Q	N
10 to 19	6,610	4,712	1,593	Q	Q	Q	Q
20 to 49	7,414	5,201	1,726	362	Q	Q	N
50 to 99	5,376	3,406	1,097	401	300	Q	N
100 to 249	6,690	4,665	991	319	434	Q	Q
250 or More	9,963	5,002	1,691	498	741	2,031	N
Number of Dedicated Servers							
None	28,445	21,382	4,018	426	Q	Q	2,132
1 to 4	24,116	17,854	4,935	641	436	Q	Q
5 to 9	3,864	2,070	653	408	522	Q	N
10 to 19	3,027	1,505	595	410	Q	276	N
20 to 49	2,583	986	393	Q	Q	923	N
50 or More	2,748	1,346	365	Q	Q	732	N
Number of Photocopiers							
None	18,526	13,818	2,151	Q	Q	Q	2,072
One	15,475	12,580	2,500	Q	Q	Q	Q
2 to 4	15,082	10,854	3,401	467	Q	Q	Q
5 to 9	5,515	3,592	1,070	657	Q	Q	N
10 or More	10,185	4,300	1,838	554	1,208	2,285	N

Table B20. Number of Establishments in Building, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
		Number of Establishments in Building					
	All Buildings*	One	Two to Five	Six to Ten	Eleven to Twenty	More than Twenty	Currently Unoccupied
All Buildings*	64,783	45,144	10,960	1,958	1,951	2,609	2,161
Energy-Related Space Functions (more than one may apply)							
Commercial Food Preparation	22,223	16,090	3,530	398	639	1,481	Q
Activities with Large Amounts of Hot Water	19,482	14,846	3,037	331	463	730	Q
Separate Computer Area	26,873	17,693	5,002	822	1,216	2,093	Q
HVAC Conservation Features (more than one may apply)							
Variable Air-Volume System	19,597	11,801	3,519	988	1,230	1,809	Q
Economizer Cycle	21,108	13,314	3,898	1,163	1,011	1,563	Q
HVAC Maintenance	51,163	35,231	9,184	1,774	1,866	2,466	642
Energy Management and Control System (EMCS)	15,630	9,706	2,588	642	821	1,727	Q
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	38,910	27,265	7,011	1,194	1,436	1,430	574
Tinted Window Glass	29,887	18,968	5,774	1,218	1,297	1,791	839
Reflective Window Glass	8,544	5,379	1,102	438	475	1,037	Q
External Overhangs or Awnings	17,242	12,582	2,879	806	500	285	190
Skylights or Atriums	12,546	8,361	2,543	441	512	610	Q
Daylighting Sensors	2,868	1,899	540	Q	Q	Q	Q
Specular Reflectors	26,118	16,988	4,570	1,074	1,405	1,811	Q
Electronic Ballasts	46,882	32,240	8,346	1,560	1,820	2,515	Q
Energy Management and Control System (EMCS) for Lighting	4,781	2,804	680	Q	382	681	N
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	42,722	29,789	7,290	1,305	1,296	2,169	873
Cooling	43,205	29,802	7,892	1,528	1,395	2,148	439
Lighting	46,987	33,694	8,403	1,523	1,484	1,884	N
Office Equipment	19,397	14,753	3,558	442	249	Q	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 B21. Multibuilding Facilities, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)			Total Floorspace (million square feet)		
		Buildings on Multibuilding Facilities			Buildings on Multibuilding Facilities	
	All Buildings*	All Buildings	With Central Physical Plant	All Buildings*	All Buildings	With Central Physical Plant
All Buildings*	4,645	1,477	116	64,783	24,735	6,604
Building Floorspace (Square Feet)						
1,001 to 5,000	2,552	771	Q	6,789	2,009	Q
5,001 to 10,000	889	259	Q	6,585	1,912	Q
10,001 to 25,000	738	263	33	11,535	4,158	520
25,001 to 50,000	241	92	18	8,668	3,277	630
50,001 to 100,000	129	49	13	9,057	3,381	911
100,001 to 200,000	65	28	12	9,064	3,935	1,723
200,001 to 500,000	25	13	5	7,176	3,568	1,438
Over 500,000	7	3	2	5,908	2,494	1,235
Principal Building Activity						
Education	386	281	57	9,874	5,642	2,037
Food Sales	226	Q	N	1,255	Q	N
Food Service	297	27	Q	1,654	264	Q
Health Care	129	26	4	3,163	1,899	733
Inpatient	8	6	2	1,905	1,508	629
Outpatient	121	20	Q	1,258	391	Q
Lodging	142	69	14	5,096	2,237	726
Retail (Other Than Mall)	443	66	Q	4,317	707	Q
Office	824	240	18	12,208	4,022	1,102
Public Assembly	277	84	10	3,939	1,542	602
Public Order and Safety	71	11	Q	1,090	541	Q
Religious Worship	370	121	Q	3,754	1,308	Q
Service	622	149	Q	4,050	1,041	Q
Warehouse and Storage	597	302	Q	10,078	3,874	Q
Other	79	31	Q	1,738	842	Q
Vacant	182	51	Q	2,567	670	Q
Year Constructed						
Before 1920	330	59	Q	3,769	978	Q
1920 to 1945	527	112	12	6,871	2,874	985
1946 to 1959	562	147	24	7,045	2,347	669
1960 to 1969	579	215	26	8,101	3,956	1,166
1970 to 1979	731	211	11	10,772	3,787	806
1980 to 1989	707	251	14	10,332	4,154	1,249
1990 to 1999	876	318	16	12,360	4,448	1,193
2000 to 2003	334	163	3	5,533	2,190	235
Census Region						
Northeast	726	158	19	12,905	4,490	1,103
Midwest	1,266	306	21	17,080	6,003	1,863
South	1,775	617	35	23,489	9,056	2,567
West	878	395	41	11,310	5,186	1,071

Table B21. Multibuilding Facilities, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)			Total Floorspace (million square feet)		
		Buildings on Multibuilding Facilities			Buildings on Multibuilding Facilities	
	All Buildings*	All Buildings	With Central Physical Plant	All Buildings*	All Buildings	With Central Physical Plant
All Buildings*	4,645	1,477	116	64,783	24,735	6,604
Number of Workers (main shift)						
Fewer than 5	2,653	882	35	15,492	5,554	870
5 to 9	778	184	Q	6,166	1,642	Q
10 to 19	563	165	15	7,803	2,602	253
20 to 49	398	143	27	10,989	4,084	985
50 to 99	147	54	16	7,934	3,408	1,167
100 to 249	77	36	11	6,871	3,339	1,271
250 or More	30	13	6	9,528	4,106	1,948
Weekly Operating Hours						
Fewer than 40	1,002	341	Q	6,863	2,248	Q
40 to 48	1,117	366	24	11,622	4,474	864
49 to 60	1,062	309	27	15,723	5,574	1,689
61 to 84	591	155	23	10,334	3,528	1,006
85 to 167	400	84	10	7,092	2,728	898
Open Continuously	475	223	20	13,149	6,183	1,960
Ownership and Occupancy						
Nongovernment Owned	4,011	1,062	37	49,421	15,647	2,503
Owner Occupied	1,841	446	22	23,591	7,648	1,556
Nonowner Occupied	2,029	581	15	23,914	7,461	911
Unoccupied	141	35	Q	1,916	538	Q
Government Owned	635	415	79	15,363	9,088	4,101
Federal	46	34	Q	1,956	1,240	Q
State	164	127	43	3,808	3,028	2,085
Local	425	254	26	9,599	4,819	1,210
Vacancy Status						
Completely Vacant	157	44	Q	2,161	560	Q
Mostly Vacant	25	Q	N	406	Q	N
Partially Vacant	548	219	19	12,382	5,092	1,311
Not At All Vacant	3,915	1,207	96	49,834	18,973	5,257
Multibuilding Facility Activity						
Not Part of a Multibuilding Facility	3,169	N	N	40,048	N	N
College or University	83	83	48	3,480	3,480	2,467
Primary or Secondary School	254	254	36	3,947	3,947	871
Office Complex	111	111	4	2,712	2,712	456
Retail Complex	151	151	N	1,238	1,238	N
Religious Campus or Complex	195	195	Q	2,347	2,347	Q
Health Care Complex	39	39	8	2,303	2,303	867
Lodging or Resort Complex	61	61	Q	912	912	Q
Government Complex	87	87	5	2,014	2,014	Q
Other	496	496	5	5,783	5,783	526
Central Plant that Produces						
District Hot Water	59	59	59	3,321	3,321	3,321
District Steam	56	56	56	4,059	4,059	4,059
District Chilled Water	69	69	69	4,969	4,969	4,969
Electricity	19	19	19	1,251	1,251	1,251

Table B21. Multibuilding Facilities, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)			Total Floorspace (million square feet)		
		Buildings on Multibuilding Facilities			Buildings on Multibuilding Facilities	
	All Buildings*	All Buildings	With Central Physical Plant	All Buildings*	All Buildings	With Central Physical Plant
All Buildings*	4,645	1,477	116	64,783	24,735	6,604
Energy Sources (more than one may apply)						
Electricity	4,404	1,343	116	63,307	24,089	6,604
Natural Gas	2,391	582	64	43,468	14,974	3,970
Fuel Oil	451	115	14	15,157	6,961	2,244
District Heat	67	61	58	5,443	4,241	3,909
District Chilled Water	33	29	25	2,853	2,647	2,410
Propane	502	160	9	7,076	3,315	825
Other	132	26	Q	1,401	537	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	3,982	1,147	115	60,028	22,590	6,513
Buildings with Cooling	3,625	1,031	100	56,940	20,964	5,806
Buildings with Water Heating	3,472	967	94	56,478	21,176	5,834
Buildings with Cooking	801	175	19	22,237	8,521	2,563
Buildings with Manufacturing	119	21	Q	3,138	1,025	Q
Buildings with Electricity Generation	149	61	14	12,821	6,389	2,572

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 that use the particular energy source.

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 B22. Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Energy Sources Used (more than one may apply)						
	All Buildings*	Buildings Using Any Energy Source	Elec-tricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other [a]
All Buildings*	4,645	4,414	4,404	2,391	451	67	33	502	132
Building Floorspace (Square Feet)									
1,001 to 5,000	2,552	2,393	2,384	1,110	209	Q	Q	295	79
5,001 to 10,000	889	836	834	496	99	Q	Q	100	Q
10,001 to 25,000	738	727	727	450	61	18	Q	64	Q
25,001 to 50,000	241	234	234	168	22	10	6	18	Q
50,001 to 100,000	129	128	128	95	23	8	5	13	Q
100,001 to 200,000	65	65	65	48	21	9	6	7	Q
200,001 to 500,000	25	24	24	19	12	4	2	4	Q
Over 500,000	7	7	7	5	4	2	1	Q	Q
Principal Building Activity									
Education	386	386	384	213	26	26	14	43	Q
Food Sales	226	226	221	98	Q	N	N	Q	Q
Food Service	297	297	297	226	Q	Q	Q	52	Q
Health Care	129	129	129	72	13	2	1	11	Q
Inpatient	8	8	8	7	7	1	1	Q	Q
Outpatient	121	121	121	65	6	Q	Q	Q	N
Lodging	142	142	142	86	28	6	Q	24	Q
Retail (Other Than Mall)	443	443	443	245	37	Q	Q	47	Q
Office	824	824	824	488	65	16	9	39	17
Public Assembly	277	274	274	146	42	6	3	37	Q
Public Order and Safety	71	71	71	36	23	Q	Q	Q	Q
Religious Worship	370	370	370	220	38	Q	Q	51	N
Service	622	601	601	281	93	Q	N	92	70
Warehouse and Storage	597	464	464	187	37	Q	Q	48	Q
Other	79	79	76	45	12	Q	Q	Q	Q
Vacant	182	108	106	49	Q	Q	Q	Q	Q
Year Constructed									
Before 1920	330	319	318	200	75	6	Q	43	Q
1920 to 1945	527	499	499	338	52	12	Q	37	Q
1946 to 1959	562	541	541	313	75	15	4	52	Q
1960 to 1969	579	571	571	309	61	13	4	63	21
1970 to 1979	731	702	700	391	59	6	5	68	49
1980 to 1989	707	671	668	303	63	5	5	90	Q
1990 to 1999	876	813	809	419	49	8	8	95	Q
2000 to 2003	334	298	298	118	17	Q	Q	54	Q
Census Region									
Northeast	726	710	710	397	254	17	6	73	26
Midwest	1,266	1,197	1,189	802	76	13	4	173	42
South	1,775	1,656	1,654	714	84	21	14	176	28
West	878	851	851	479	37	15	9	80	37
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	855	813	809	493	145	6	3	112	43
5,500-7,000 HDD	1,173	1,131	1,129	718	148	27	4	106	44
4,000-5,499 HDD	673	646	642	347	97	13	7	Q	24
Fewer than 4,000 HDD	1,276	1,193	1,193	646	49	13	10	112	Q
2,000 CDD or More and --									
Fewer than 4,000 HDD	669	631	631	187	13	7	9	31	Q

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Table B22. Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Energy Sources Used (more than one may apply)						
	All Buildings*	Buildings Using Any Energy Source	Elec-tricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other [a]
All Buildings*	4,645	4,414	4,404	2,391	451	67	33	502	132
Number of Workers (main shift)									
Fewer than 5	2,653	2,425	2,415	1,082	252	20	Q	318	84
5 to 9	778	775	775	474	67	Q	Q	75	Q
10 to 19	563	563	563	359	38	Q	Q	59	Q
20 to 49	398	397	397	289	36	16	6	30	13
50 to 99	147	147	147	113	22	7	7	9	Q
100 to 249	77	77	77	52	20	9	6	8	Q
250 or More	30	30	30	23	16	5	4	3	1
Weekly Operating Hours									
Fewer than 40	1,002	874	866	382	83	Q	Q	125	Q
40 to 48	1,117	1,105	1,105	569	107	12	Q	115	41
49 to 60	1,062	1,058	1,055	607	100	18	6	105	30
61 to 84	591	580	580	374	55	11	6	55	Q
85 to 167	400	376	376	233	35	9	7	55	Q
Open Continuously	475	422	422	225	69	11	4	47	16
Ownership and Occupancy									
Nongovernment Owned	4,011	3,794	3,783	2,078	371	25	13	425	122
Owner Occupied	1,841	1,823	1,817	1,044	209	16	9	225	75
Nonowner Occupied	2,029	1,889	1,885	997	161	8	4	194	46
Unoccupied	141	82	81	36	Q	Q	Q	Q	Q
Government Owned	635	620	620	313	80	42	19	77	10
Federal	46	46	46	23	4	4	0	Q	Q
State	164	163	163	72	24	27	12	Q	Q
Local	425	411	411	218	52	11	7	53	Q
Vacancy Status									
Completely Vacant	157	86	85	37	Q	Q	Q	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	N	N	Q	N
Partially Vacant	548	501	499	264	49	12	5	46	18
Not At All Vacant	3,915	3,806	3,798	2,079	399	54	28	449	114
Energy Sources (more than one may apply)									
Electricity	4,404	4,404	4,404	2,390	448	67	33	499	126
Natural Gas	2,391	2,391	2,390	2,391	129	25	17	47	39
Fuel Oil	451	451	448	129	451	4	3	77	29
District Heat	67	67	67	25	4	67	25	Q	Q
District Chilled Water	33	33	33	17	3	25	33	Q	Q
Propane	502	502	499	47	77	Q	Q	502	24
Other	132	132	126	39	29	Q	Q	24	132
Energy End Uses (more than one may apply)									
Buildings with Space Heating	3,982	3,982	3,971	2,344	443	67	32	489	132
Buildings with Cooling	3,625	3,625	3,623	2,153	298	55	33	399	78
Buildings with Water Heating	3,472	3,472	3,470	2,126	376	61	31	428	95
Buildings with Cooking	801	801	801	564	115	9	6	148	17
Buildings with Manufacturing	119	119	119	70	25	Q	Q	31	Q
Buildings with Electricity Generation	149	149	149	104	92	7	5	29	16

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Table B22. Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Energy Sources Used (more than one may apply)						
	All Buildings*	Buildings Using Any Energy Source	Elec-tricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other [a]
All Buildings*	4,645	4,414	4,404	2,391	451	67	33	502	132
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	799	799	799	563	115	9	6	146	17
Activities with Large Amounts of Hot Water	567	567	567	404	82	19	7	85	24
Separate Computer Area	553	553	553	373	80	19	14	50	10

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] "Other" includes wood, coal, solar, and all other energy sources.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B23. Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Energy Sources Used (more than one may apply)						
	All Buildings*	Buildings Using Any Energy Source	Elec-tricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other [a]
All Buildings*	64,783	63,343	63,307	43,468	15,157	5,443	2,853	7,076	1,401
Building Floorspace (Square Feet)									
1,001 to 5,000	6,789	6,362	6,346	3,084	600	Q	Q	806	199
5,001 to 10,000	6,585	6,212	6,197	3,692	716	Q	Q	725	Q
10,001 to 25,000	11,535	11,370	11,370	7,053	966	289	Q	1,014	Q
25,001 to 50,000	8,668	8,385	8,385	6,025	825	369	240	638	Q
50,001 to 100,000	9,057	9,031	9,031	6,683	1,740	574	332	925	Q
100,001 to 200,000	9,064	9,018	9,018	6,645	2,927	1,399	793	989	Q
200,001 to 500,000	7,176	7,056	7,051	5,679	3,400	1,018	495	1,165	Q
Over 500,000	5,908	5,908	5,908	4,606	3,981	1,693	822	Q	Q
Principal Building Activity									
Education	9,874	9,874	9,871	7,045	1,864	1,145	768	855	Q
Food Sales	1,255	1,255	1,237	747	Q	N	N	Q	Q
Food Service	1,654	1,654	1,654	1,396	Q	Q	Q	220	Q
Health Care	3,163	3,163	3,163	2,544	1,882	493	297	397	Q
Inpatient	1,905	1,905	1,905	1,805	1,683	436	279	329	Q
Outpatient	1,258	1,258	1,258	739	199	Q	Q	Q	N
Lodging	5,096	5,096	5,096	4,256	2,193	345	Q	614	Q
Retail (Other Than Mall)	4,317	4,317	4,317	2,866	501	Q	Q	382	Q
Office	12,208	12,208	12,208	8,208	4,075	1,569	730	368	272
Public Assembly	3,939	3,935	3,935	2,723	939	547	458	393	Q
Public Order and Safety	1,090	1,090	1,090	637	620	Q	Q	Q	Q
Religious Worship	3,754	3,754	3,754	2,629	453	Q	Q	381	N
Service	4,050	3,982	3,982	2,496	626	Q	N	557	402
Warehouse and Storage	10,078	9,425	9,425	5,494	1,268	Q	Q	2,217	Q
Other	1,738	1,738	1,729	1,252	454	Q	Q	Q	Q
Vacant	2,567	1,852	1,846	1,176	Q	Q	Q	Q	Q
Year Constructed									
Before 1920	3,769	3,732	3,730	2,759	961	294	Q	338	Q
1920 to 1945	6,871	6,597	6,595	4,679	1,986	1,207	Q	961	Q
1946 to 1959	7,045	6,840	6,838	4,659	2,048	705	359	726	Q
1960 to 1969	8,101	8,057	8,057	5,635	1,685	853	446	746	281
1970 to 1979	10,772	10,558	10,555	7,659	2,187	588	456	1,222	401
1980 to 1989	10,332	10,163	10,154	6,469	3,079	888	531	922	Q
1990 to 1999	12,360	12,096	12,078	8,177	2,086	705	804	1,428	Q
2000 to 2003	5,533	5,299	5,299	3,431	1,125	Q	Q	733	Q
Census Region									
Northeast	12,905	12,809	12,809	9,181	6,080	1,363	620	1,354	222
Midwest	17,080	16,729	16,701	13,163	2,832	1,648	596	2,189	505
South	23,489	22,774	22,766	13,311	4,122	1,766	1,150	2,360	306
West	11,310	11,030	11,030	7,813	2,123	667	487	1,173	367
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	10,622	10,404	10,393	7,645	2,499	825	350	1,607	483
5,500-7,000 HDD	17,335	17,091	17,076	12,850	4,052	1,784	698	2,036	378
4,000-5,499 HDD	11,504	11,381	11,375	8,113	4,628	1,349	514	1,102	268
Fewer than 4,000 HDD	15,739	15,172	15,172	10,509	2,337	1,025	659	1,403	223
2,000 CDD or More and --									
Fewer than 4,000 HDD	9,584	9,295	9,290	4,350	1,642	460	633	928	Q

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Table B23. Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Energy Sources Used (more than one may apply)						
	All Buildings*	Buildings Using Any Energy Source	Elec-tricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other [a]
All Buildings*	64,783	63,343	63,307	43,468	15,157	5,443	2,853	7,076	1,401
Number of Workers (main shift)									
Fewer than 5	15,492	14,097	14,061	7,023	1,459	853	Q	2,092	307
5 to 9	6,166	6,147	6,147	4,084	625	Q	Q	564	Q
10 to 19	7,803	7,803	7,803	5,317	1,024	Q	Q	907	Q
20 to 49	10,989	10,962	10,962	8,212	1,602	667	327	907	319
50 to 99	7,934	7,934	7,934	6,156	2,131	474	505	956	Q
100 to 249	6,871	6,871	6,871	5,127	2,149	1,050	583	661	Q
250 or More	9,528	9,528	9,528	7,549	6,168	2,191	1,219	989	205
Weekly Operating Hours									
Fewer than 40	6,863	5,934	5,900	3,259	576	Q	Q	692	Q
40 to 48	11,622	11,571	11,571	6,913	1,994	493	Q	942	238
49 to 60	15,723	15,705	15,702	10,191	3,015	1,590	658	2,034	313
61 to 84	10,334	10,312	10,312	7,468	2,089	785	347	927	Q
85 to 167	7,092	6,941	6,941	5,225	1,508	790	604	973	Q
Open Continuously	13,149	12,881	12,881	10,411	5,976	1,605	753	1,508	399
Ownership and Occupancy									
Nongovernment Owned	49,421	48,043	48,012	33,317	11,374	2,148	1,069	5,280	1,033
Owner Occupied	23,591	23,478	23,454	16,548	6,092	1,421	711	2,481	611
Nonowner Occupied	23,914	23,263	23,258	15,886	5,215	698	323	2,639	396
Unoccupied	1,916	1,301	1,299	883	Q	Q	Q	Q	Q
Government Owned	15,363	15,300	15,295	10,150	3,783	3,295	1,785	1,796	368
Federal	1,956	1,956	1,951	1,083	381	Q	247	Q	Q
State	3,808	3,786	3,786	2,438	962	1,694	1,051	Q	Q
Local	9,599	9,558	9,558	6,630	2,441	653	487	1,030	Q
Vacancy Status									
Completely Vacant	2,161	1,495	1,489	933	Q	Q	Q	Q	Q
Mostly Vacant	406	Q	Q	Q	Q	N	N	Q	N
Partially Vacant	12,382	12,201	12,199	8,446	4,346	1,483	681	1,199	274
Not At All Vacant	49,834	49,289	49,262	33,845	10,718	3,834	2,138	5,653	1,101
Energy Sources (more than one may apply)									
Electricity	63,307	63,307	63,307	43,461	15,142	5,443	2,853	7,067	1,380
Natural Gas	43,468	43,468	43,461	43,468	10,383	2,444	1,765	2,470	903
Fuel Oil	15,157	15,157	15,142	10,383	15,157	1,731	986	2,139	359
District Heat	5,443	5,443	5,443	2,444	1,731	5,443	2,311	Q	Q
District Chilled Water	2,853	2,853	2,853	1,765	986	2,311	2,853	Q	Q
Propane	7,076	7,076	7,067	2,470	2,139	Q	Q	7,076	234
Other	1,401	1,401	1,380	903	359	Q	Q	234	1,401
Energy End Uses (more than one may apply)									
Buildings with Space Heating	60,028	60,028	59,991	42,974	14,942	5,378	2,734	6,790	1,399
Buildings with Cooling	56,940	56,940	56,925	41,023	13,890	4,653	2,853	5,713	1,225
Buildings with Water Heating	56,478	56,478	56,463	41,134	14,560	4,631	2,655	6,292	1,306
Buildings with Cooking	22,237	22,237	22,237	18,656	8,987	1,926	1,274	2,673	599
Buildings with Manufacturing	3,138	3,138	3,138	2,301	1,008	Q	Q	1,044	Q
Buildings with Electricity Generation	12,821	12,821	12,821	10,402	9,867	2,121	1,272	1,454	467

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Table B23. Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Energy Sources Used (more than one may apply)						
	All Buildings*	Buildings Using Any Energy Source	Elec-tricity	Natural Gas	Fuel Oil	District Heat	District Chilled Water	Propane	Other [a]
All Buildings*	64,783	63,343	63,307	43,468	15,157	5,443	2,853	7,076	1,401
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	22,223	22,223	22,223	18,644	8,987	1,926	1,274	2,659	599
Activities with Large Amounts of Hot Water	19,482	19,482	19,482	16,023	7,690	2,259	1,198	2,305	633
Separate Computer Area	26,873	26,873	26,873	20,615	10,251	3,268	1,858	2,618	569

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] "Other" includes wood, coal, solar, and all other energy sources.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B24. Energy End Uses, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					
		Energy Used For (more than one may apply)				
	All Buildings*	Space Heating	Cooling	Water Heating	Cooking	Manu-facturing
All Buildings*	4,645	3,982	3,625	3,472	801	119
Building Floorspace (Square Feet)						
1,001 to 5,000	2,552	2,100	1,841	1,715	354	Q
5,001 to 10,000	889	782	732	725	155	29
10,001 to 25,000	738	659	629	607	127	28
25,001 to 50,000	241	225	216	217	69	Q
50,001 to 100,000	129	123	118	119	50	8
100,001 to 200,000	65	62	60	60	28	3
200,001 to 500,000	25	24	23	23	14	2
Over 500,000	7	6	6	6	4	Q
Principal Building Activity						
Education	386	382	352	298	125	Q
Food Sales	226	188	210	186	84	Q
Food Service	297	282	283	297	284	Q
Health Care	129	124	129	127	12	Q
Inpatient	8	8	8	8	7	Q
Outpatient	121	116	121	119	Q	Q
Lodging	142	142	130	142	47	Q
Retail (Other Than Mall)	443	408	406	314	14	Q
Office	824	802	790	733	23	19
Public Assembly	277	258	213	227	73	Q
Public Order and Safety	71	70	61	70	14	N
Religious Worship	370	359	308	315	108	N
Service	622	515	370	418	Q	Q
Warehouse and Storage	597	316	266	243	Q	44
Other	79	67	57	55	Q	23
Vacant	182	69	52	47	Q	N
Year Constructed						
Before 1920	330	302	232	266	71	Q
1920 to 1945	527	442	382	367	87	Q
1946 to 1959	562	493	430	416	119	Q
1960 to 1969	579	524	467	444	92	17
1970 to 1979	731	648	609	582	112	28
1980 to 1989	707	618	577	531	112	14
1990 to 1999	876	719	695	642	144	19
2000 to 2003	334	236	234	224	65	Q
Census Region						
Northeast	726	672	519	600	157	30
Midwest	1,266	1,112	957	987	206	30
South	1,775	1,462	1,479	1,217	304	33
West	878	735	671	668	134	26
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	855	752	578	683	145	28
5,500-7,000 HDD	1,173	1,055	882	926	227	24
4,000-5,499 HDD	673	626	582	554	102	21
Fewer than 4,000 HDD	1,276	1,051	1,003	883	210	38
2,000 CDD or More and --						
Fewer than 4,000 HDD	669	498	580	426	116	Q

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Table B24. Energy End Uses, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					
		Energy Used For (more than one may apply)				
	All Buildings*	Space Heating	Cooling	Water Heating	Cooking	Manu-facturing
All Buildings*	4,645	3,982	3,625	3,472	801	119
Number of Workers (main shift)						
Fewer than 5	2,653	2,080	1,746	1,653	301	48
5 to 9	778	733	725	675	152	Q
10 to 19	563	536	523	514	134	19
20 to 49	398	387	386	384	115	21
50 to 99	147	141	139	142	53	Q
100 to 249	77	76	76	75	31	3
250 or More	30	29	30	30	14	2
Weekly Operating Hours						
Fewer than 40	1,002	751	595	580	127	Q
40 to 48	1,117	1,037	951	856	72	47
49 to 60	1,062	965	883	845	141	46
61 to 84	591	535	521	506	169	8
85 to 167	400	331	338	330	174	Q
Open Continuously	475	364	338	356	117	4
Energy Sources (more than one may apply)						
Electricity	4,404	3,971	3,623	3,470	801	119
Natural Gas	2,391	2,344	2,153	2,126	564	70
Fuel Oil	451	443	298	376	115	25
District Heat	67	67	55	61	9	Q
District Chilled Water	33	32	33	31	6	Q
Propane	502	489	399	428	148	31
Other	132	132	78	95	17	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	3,982	3,982	3,469	3,337	764	111
Buildings with Cooling	3,625	3,469	3,625	3,112	743	92
Buildings with Water Heating	3,472	3,337	3,112	3,472	787	102
Buildings with Cooking	801	764	743	787	801	9
Buildings with Manufacturing	119	111	92	102	9	119
Buildings with Electricity Generation	149	148	144	143	58	4
Energy-Related Space Functions (more than one may apply)						
Commercial Food Preparation	799	762	742	785	799	9
Activities with Large Amounts of Hot Water	567	550	516	567	322	16
Separate Computer Area	553	539	533	516	149	19

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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B25. Energy End Uses, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)					
		Energy Used For (more than one may apply)				
	All Buildings*	Space Heating	Cooling	Water Heating	Cooking	Manu-facturing
All Buildings*	64,783	60,028	56,940	56,478	22,237	3,138
Building Floorspace (Square Feet)						
1,001 to 5,000	6,789	5,668	5,007	4,759	997	Q
5,001 to 10,000	6,585	5,786	5,408	5,348	1,136	214
10,001 to 25,000	11,535	10,387	9,922	9,562	1,954	472
25,001 to 50,000	8,668	8,060	7,776	7,734	2,511	Q
50,001 to 100,000	9,057	8,718	8,331	8,412	3,575	540
100,001 to 200,000	9,064	8,710	8,339	8,300	3,991	473
200,001 to 500,000	7,176	6,907	6,565	6,680	4,047	605
Over 500,000	5,908	5,792	5,591	5,683	4,025	Q
Principal Building Activity						
Education	9,874	9,755	9,200	9,481	6,402	Q
Food Sales	1,255	1,131	1,198	1,130	677	Q
Food Service	1,654	1,608	1,583	1,654	1,611	Q
Health Care	3,163	3,100	3,157	3,160	1,922	Q
Inpatient	1,905	1,905	1,899	1,905	1,819	Q
Outpatient	1,258	1,195	1,258	1,255	Q	Q
Lodging	5,096	4,994	4,841	5,096	3,184	Q
Retail (Other Than Mall)	4,317	4,075	4,079	3,459	771	Q
Office	12,208	11,929	12,032	11,804	3,077	469
Public Assembly	3,939	3,777	3,477	3,632	1,506	Q
Public Order and Safety	1,090	1,083	1,043	957	543	N
Religious Worship	3,754	3,581	3,301	3,512	1,552	N
Service	4,050	3,687	3,261	3,320	Q	Q
Warehouse and Storage	10,078	8,126	7,295	6,624	Q	1,627
Other	1,738	1,691	1,636	1,630	Q	502
Vacant	2,567	1,491	836	1,020	Q	N
Year Constructed						
Before 1920	3,769	3,667	2,891	3,353	1,362	Q
1920 to 1945	6,871	6,236	4,919	5,292	2,242	Q
1946 to 1959	7,045	6,534	6,045	5,924	3,156	Q
1960 to 1969	8,101	7,510	7,125	7,202	2,669	514
1970 to 1979	10,772	10,223	9,973	9,787	3,431	537
1980 to 1989	10,332	9,808	9,836	9,420	3,677	429
1990 to 1999	12,360	11,254	11,304	10,816	3,597	572
2000 to 2003	5,533	4,796	4,848	4,683	2,104	Q
Census Region						
Northeast	12,905	12,596	10,954	11,789	5,016	1,013
Midwest	17,080	16,331	14,484	14,928	5,850	798
South	23,489	20,998	21,553	19,913	7,881	642
West	11,310	10,102	9,950	9,848	3,489	685
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	10,622	10,109	8,550	9,474	3,302	855
5,500-7,000 HDD	17,335	16,720	14,524	15,160	6,369	729
4,000-5,499 HDD	11,504	11,239	10,946	10,785	4,736	772
Fewer than 4,000 HDD	15,739	13,965	13,977	13,192	4,621	608
2,000 CDD or More and --						
Fewer than 4,000 HDD	9,584	7,995	8,943	7,867	3,208	Q

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Table B25. Energy End Uses, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)					
		Energy Used For (more than one may apply)				
	All Buildings*	Space Heating	Cooling	Water Heating	Cooking	Manu-facturing
All Buildings*	64,783	60,028	56,940	56,478	22,237	3,138
Number of Workers (main shift)						
Fewer than 5	15,492	12,182	9,591	9,525	1,886	288
5 to 9	6,166	5,822	5,726	5,393	1,172	Q
10 to 19	7,803	7,410	7,304	7,182	2,010	367
20 to 49	10,989	10,822	10,566	10,480	3,829	762
50 to 99	7,934	7,650	7,428	7,688	3,699	Q
100 to 249	6,871	6,766	6,806	6,815	3,515	382
250 or More	9,528	9,376	9,519	9,395	6,126	628
Weekly Operating Hours						
Fewer than 40	6,863	5,246	3,998	4,305	1,123	Q
40 to 48	11,622	10,928	10,508	9,989	2,805	566
49 to 60	15,723	14,763	13,757	13,564	4,509	1,124
61 to 84	10,334	10,012	9,691	9,477	3,438	348
85 to 167	7,092	6,680	6,708	6,635	3,039	Q
Open Continuously	13,149	12,399	12,277	12,508	7,324	619
Energy Sources (more than one may apply)						
Electricity	63,307	59,991	56,925	56,463	22,237	3,138
Natural Gas	43,468	42,974	41,023	41,134	18,656	2,301
Fuel Oil	15,157	14,942	13,890	14,560	8,987	1,008
District Heat	5,443	5,378	4,653	4,631	1,926	Q
District Chilled Water	2,853	2,734	2,853	2,655	1,274	Q
Propane	7,076	6,790	5,713	6,292	2,673	1,044
Other	1,401	1,399	1,225	1,306	599	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	60,028	60,028	55,188	55,154	21,725	3,072
Buildings with Cooling	56,940	55,188	56,940	53,232	21,451	2,655
Buildings with Water Heating	56,478	55,154	53,232	56,478	21,914	2,987
Buildings with Cooking	22,237	21,725	21,451	21,914	22,237	623
Buildings with Manufacturing	3,138	3,072	2,655	2,987	623	3,138
Buildings with Electricity Generation	12,821	12,635	12,746	12,612	8,028	516
Energy-Related Space Functions (more than one may apply)						
Commercial Food Preparation	22,223	21,712	21,437	21,901	22,223	623
Activities with Large Amounts of Hot Water	19,482	19,186	18,820	19,482	14,761	831
Separate Computer Area	26,873	26,295	26,292	26,129	14,158	1,368

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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B26. Space Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
			Space-Heating Energy Sources Used (more than one may apply)					
	All Buildings*	Buildings with Space Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other [a]
All Buildings*	4,645	3,982	1,766	2,165	360	65	372	113
Building Floorspace (Square Feet)								
1,001 to 5,000	2,552	2,100	888	1,013	196	Q	243	72
5,001 to 10,000	889	782	349	450	86	Q	72	Q
10,001 to 25,000	738	659	311	409	46	18	38	Q
25,001 to 50,000	241	225	114	151	11	9	11	Q
50,001 to 100,000	129	123	60	84	8	8	Q	Q
100,001 to 200,000	65	62	29	39	9	9	Q	Q
200,001 to 500,000	25	24	11	15	4	4	Q	Q
Over 500,000	7	6	3	4	1	2	Q	Q
Principal Building Activity								
Education	386	382	180	186	21	25	36	Q
Food Sales	226	188	98	79	Q	N	Q	Q
Food Service	297	282	125	171	Q	Q	31	Q
Health Care	129	124	62	68	Q	2	Q	Q
Inpatient	8	8	4	6	1	1	Q	Q
Outpatient	121	116	58	62	Q	Q	Q	N
Lodging	142	142	103	57	16	Q	Q	Q
Retail (Other Than Mall)	443	408	169	236	35	Q	40	Q
Office	824	802	380	465	46	16	36	Q
Public Assembly	277	258	83	141	37	6	Q	Q
Public Order and Safety	71	70	24	31	Q	Q	Q	Q
Religious Worship	370	359	152	208	36	Q	44	N
Service	622	515	180	266	82	Q	75	68
Warehouse and Storage	597	316	150	178	28	Q	24	Q
Other	79	67	32	41	Q	Q	Q	Q
Vacant	182	69	27	40	Q	Q	Q	Q
Year Constructed								
Before 1920	330	302	66	183	72	Q	Q	Q
1920 to 1945	527	442	142	309	48	12	Q	Q
1946 to 1959	562	493	195	280	65	13	41	Q
1960 to 1969	579	524	212	281	49	13	43	Q
1970 to 1979	731	648	293	360	46	6	48	45
1980 to 1989	707	618	352	271	36	4	74	Q
1990 to 1999	876	719	380	373	34	8	72	Q
2000 to 2003	334	236	126	107	Q	Q	47	Q
Census Region and Division								
Northeast	726	672	179	347	229	17	24	Q
New England	233	211	48	57	114	Q	Q	Q
Middle Atlantic	493	461	131	290	115	12	Q	Q
Midwest	1,266	1,112	356	774	59	13	144	36
East North Central	696	633	181	524	25	8	Q	Q
West North Central	571	479	175	250	34	Q	126	Q
South	1,775	1,462	883	630	51	20	136	Q
South Atlantic	874	746	492	264	40	13	80	Q
East South Central	348	283	134	150	Q	Q	41	Q
West South Central	553	433	257	217	Q	Q	Q	Q
West	878	735	348	413	22	15	67	Q
Mountain	299	273	96	177	Q	7	32	Q
Pacific	580	462	251	236	Q	8	Q	Q

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Table B26. Space Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
			Space-Heating Energy Sources Used (more than one may apply)					
	All Buildings*	Buildings with Space Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other [a]
All Buildings*	4,645	3,982	1,766	2,165	360	65	372	113
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	855	752	245	477	135	6	67	38
5,500-7,000 HDD	1,173	1,055	325	670	124	27	71	36
4,000-5,499 HDD	673	626	246	306	70	13	Q	Q
Fewer than 4,000 HDD	1,276	1051	553	576	27	12	96	Q
2,000 CDD or More and --								
Fewer than 4,000 HDD	669	498	396	136	Q	7	Q	Q
Number of Workers (main shift)								
Fewer than 5	2,653	2,080	874	988	239	Q	251	78
5 to 9	778	733	336	431	58	Q	51	Q
10 to 19	563	536	261	316	27	Q	40	Q
20 to 49	398	387	176	270	17	16	20	Q
50 to 99	147	141	63	98	10	7	Q	Q
100 to 249	77	76	39	46	6	9	Q	Q
250 or More	30	29	16	17	3	5	Q	Q
Weekly Operating Hours								
Fewer than 40	1,002	751	287	347	82	Q	107	Q
40 to 48	1,117	1,037	472	546	98	12	93	39
49 to 60	1,062	965	418	571	77	18	79	Q
61 to 84	591	535	234	330	42	11	32	Q
85 to 167	400	331	143	195	28	9	28	Q
Open Continuously	475	364	211	176	34	10	32	Q
Energy Sources (more than one may apply)								
Electricity	4,404	3,971	1,766	2,164	358	65	369	107
Natural Gas	2,391	2,344	671	2,165	73	24	Q	27
Fuel Oil	451	443	116	90	360	4	20	Q
District Heat	67	67	8	4	Q	65	Q	N
District Chilled Water	33	32	6	8	Q	24	Q	N
Propane	502	489	179	40	59	Q	372	Q
Other	132	132	41	35	28	Q	Q	113
Primary Space-Heating Energy Source								
Electricity	1,258	1,258	1,258	153	23	Q	41	Q
Natural Gas	1,999	1,999	386	1,999	33	Q	Q	19
Fuel Oil	282	282	30	8	282	N	Q	Q
District Heat	63	63	5	Q	Q	63	Q	N
Propane	308	308	73	N	Q	Q	308	Q
Other	72	72	Q	Q	Q	N	Q	72
Cooling Energy Sources (more than one may apply)								
Electricity	3,589	3,434	1,640	1,945	213	31	298	57
Natural Gas	17	17	9	17	Q	Q	N	Q
District Chilled Water	33	32	6	8	Q	24	Q	N

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Table B26. Space Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
			Space-Heating Energy Sources Used (more than one may apply)					
	All Buildings*	Buildings with Space Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other [a]
All Buildings*	4,645	3,982	1,766	2,165	360	65	372	113
Water-Heating Energy Sources (more than one may apply)								
Electricity	1,910	1,815	1,066	708	164	25	211	49
Natural Gas	1,445	1,407	409	1,281	44	15	Q	14
Fuel Oil	94	87	6	Q	86	Q	Q	Q
District Heat	27	27	4	1	Q	26	Q	N
Propane	128	124	46	Q	Q	Q	100	Q
Cooking Energy Sources (more than one may apply)								
Electricity	410	392	203	220	31	4	38	Q
Natural Gas	457	439	176	352	28	7	Q	Q
Propane	108	101	40	Q	Q	Q	51	Q
Energy End Uses (more than one may apply)								
Buildings with Space Heating	3,982	3,982	1,766	2,165	360	65	372	113
Buildings with Cooling	3,625	3,469	1,643	1,956	215	53	298	59
Buildings with Water Heating	3,472	3,337	1,474	1,912	290	59	311	76
Buildings with Cooking	801	764	348	446	80	9	81	Q
Buildings with Manufacturing	119	111	51	66	Q	Q	Q	Q
Buildings with Electricity Generation	149	148	74	89	17	7	16	Q
Percent of Floorspace Heated								
Not Heated	663	N	N	N	N	N	N	N
1 to 50	523	523	275	214	57	Q	64	Q
51 to 99	498	498	229	294	48	5	41	Q
100	2,962	2,962	1,261	1,658	254	59	266	89
Heating Equipment (more than one may apply)								
Heat Pumps	476	476	466	124	6	2	28	Q
Packaged Heat Pumps	278	278	268	71	Q	Q	Q	N
Split-System Heat Pumps	166	166	166	43	Q	Q	Q	Q
Individual Room Heat Pumps	58	58	57	22	Q	Q	Q	Q
Furnaces	1,864	1,864	554	1,273	188	Q	212	65
Individual Space Heaters	819	819	604	399	79	4	122	40
District Heat	65	65	6	4	Q	65	Q	N
Boilers	579	579	161	397	144	Q	30	18
Packaged Heating Units	953	953	572	529	17	3	79	Q
Other	205	205	116	80	36	Q	40	47

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] "Other" includes wood, coal, solar, and all other energy sources.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B27. Space Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
			Space-Heating Energy Sources Used (more than one may apply)					
	All Buildings*	Buildings with Space Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other [a]
All Buildings*	64,783	60,028	28,600	36,959	5,988	5,198	3,204	842
Building Floorspace (Square Feet)								
1,001 to 5,000	6,789	5,668	2,367	2,829	557	Q	665	183
5,001 to 10,000	6,585	5,786	2,560	3,358	626	Q	529	Q
10,001 to 25,000	11,535	10,387	4,872	6,407	730	289	597	Q
25,001 to 50,000	8,668	8,060	4,040	5,394	436	325	392	Q
50,001 to 100,000	9,057	8,718	4,243	5,932	594	560	Q	Q
100,001 to 200,000	9,064	8,710	3,962	5,261	1,271	1,386	Q	Q
200,001 to 500,000	7,176	6,907	3,230	4,537	984	1,010	Q	Q
Over 500,000	5,908	5,792	3,326	3,241	789	1,528	Q	Q
Principal Building Activity								
Education	9,874	9,755	4,047	5,700	1,240	1,117	446	Q
Food Sales	1,255	1,131	497	633	Q	N	Q	Q
Food Service	1,654	1,608	737	1,070	Q	Q	147	Q
Health Care	3,163	3,100	1,479	2,184	546	414	Q	Q
Inpatient	1,905	1,905	877	1,490	501	357	Q	Q
Outpatient	1,258	1,195	602	694	Q	Q	Q	N
Lodging	5,096	4,994	3,230	2,918	795	Q	Q	Q
Retail (Other Than Mall)	4,317	4,075	1,941	2,719	236	Q	224	Q
Office	12,208	11,929	6,400	6,637	672	1,526	211	Q
Public Assembly	3,939	3,777	1,202	2,132	Q	547	Q	Q
Public Order and Safety	1,090	1,083	408	559	Q	Q	Q	Q
Religious Worship	3,754	3,581	1,759	2,450	397	Q	249	N
Service	4,050	3,687	1,483	2,411	493	Q	422	398
Warehouse and Storage	10,078	8,126	4,141	5,351	591	Q	Q	Q
Other	1,738	1,691	762	1,145	Q	Q	Q	Q
Vacant	2,567	1,491	514	1,050	Q	Q	Q	Q
Year Constructed								
Before 1920	3,769	3,667	1,044	2,528	806	Q	Q	Q
1920 to 1945	6,871	6,236	2,070	3,747	1,499	1,203	Q	Q
1946 to 1959	7,045	6,534	2,656	3,776	1,162	661	479	Q
1960 to 1969	8,101	7,510	2,924	4,992	795	818	385	Q
1970 to 1979	10,772	10,223	5,072	6,800	805	573	452	318
1980 to 1989	10,332	9,808	5,822	5,289	294	780	402	Q
1990 to 1999	12,360	11,254	5,998	6,863	493	691	620	Q
2000 to 2003	5,533	4,796	3,016	2,965	Q	Q	373	Q
Census Region and Division								
Northeast	12,905	12,596	4,405	7,238	3,927	1,260	743	Q
New England	2,964	2,819	1,132	1,198	1,219	Q	Q	Q
Middle Atlantic	9,941	9,778	3,273	6,041	2,708	1,015	Q	Q
Midwest	17,080	16,331	6,223	12,180	916	1,640	806	272
East North Central	11,595	11,223	3,895	8,758	456	1,420	Q	Q
West North Central	5,485	5,108	2,328	3,422	460	Q	695	Q
South	23,489	20,998	13,058	10,693	897	1,683	1,195	Q
South Atlantic	12,258	11,012	7,347	4,852	627	1,173	908	Q
East South Central	3,393	3,056	1,411	2,110	Q	Q	Q	Q
West South Central	7,837	6,929	4,300	3,731	Q	Q	Q	Q
West	11,310	10,102	4,914	6,848	247	615	459	Q
Mountain	3,675	3,525	1,389	2,547	Q	253	245	Q
Pacific	7,635	6,577	3,526	4,301	Q	362	Q	Q

Table B27. Space Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
			Space-Heating Energy Sources Used (more than one may apply)					
	All Buildings*	Buildings with Space Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other [a]
All Buildings*	64,783	60,028	28,600	36,959	5,988	5,198	3,204	842
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	10,622	10,109	3,945	7,142	1,516	818	849	339
5,500-7,000 HDD	17,335	16,720	6,180	11,538	1,616	1,749	650	208
4,000-5,499 HDD	11,504	11,239	5,080	6,236	2,295	1,281	Q	Q
Fewer than 4,000 HDD	15,739	13,965	7,343	9,362	385	918	755	Q
2,000 CDD or More and --								
Fewer than 4,000 HDD	9,584	7,995	6,052	2,679	Q	432	Q	Q
Number of Workers (main shift)								
Fewer than 5	15,492	12,182	4,980	6,340	1,317	Q	1,108	295
5 to 9	6,166	5,822	2,612	3,730	465	Q	375	Q
10 to 19	7,803	7,410	3,700	4,274	810	Q	417	Q
20 to 49	10,989	10,822	4,936	7,290	748	653	511	Q
50 to 99	7,934	7,650	3,705	5,368	921	460	Q	Q
100 to 249	6,871	6,766	3,555	4,562	689	984	Q	Q
250 or More	9,528	9,376	5,111	5,395	1,037	2,084	Q	Q
Weekly Operating Hours								
Fewer than 40	6,863	5,246	2,167	2,995	430	Q	459	Q
40 to 48	11,622	10,928	5,059	6,128	1,175	493	650	185
49 to 60	15,723	14,763	7,157	8,731	1,152	1,576	966	Q
61 to 84	10,334	10,012	4,626	6,658	982	772	333	Q
85 to 167	7,092	6,680	2,827	4,370	527	790	282	Q
Open Continuously	13,149	12,399	6,764	8,077	1,722	1,388	514	Q
Energy Sources (more than one may apply)								
Electricity	63,307	59,991	28,600	36,952	5,973	5,198	3,194	821
Natural Gas	43,468	42,974	17,056	36,959	3,372	2,323	Q	467
Fuel Oil	15,157	14,942	6,994	7,299	5,988	1,596	877	Q
District Heat	5,443	5,378	1,205	565	Q	5,198	Q	N
District Chilled Water	2,853	2,734	637	605	Q	2,231	Q	N
Propane	7,076	6,790	3,339	2,034	1,091	Q	3,204	Q
Other	1,401	1,399	495	870	216	Q	Q	842
Primary Space-Heating Energy Source								
Electricity	15,996	15,996	15,996	3,278	361	Q	472	Q
Natural Gas	32,970	32,970	10,265	32,970	1,645	Q	Q	318
Fuel Oil	3,818	3,818	645	320	3,818	N	Q	Q
District Heat	4,907	4,907	992	Q	Q	4,907	Q	N
Propane	1,955	1,955	632	N	Q	Q	1,955	Q
Other	382	382	Q	Q	Q	N	Q	382
Cooling Energy Sources (more than one may apply)								
Electricity	54,321	52,584	27,212	33,906	4,634	2,467	2,488	652
Natural Gas	1,018	1,018	477	1,006	Q	Q	N	Q
District Chilled Water	2,853	2,734	637	605	Q	2,231	Q	N

Table B27. Space Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
			Space-Heating Energy Sources Used (more than one may apply)					
	All Buildings*	Buildings with Space Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane	Other [a]
All Buildings*	64,783	60,028	28,600	36,959	5,988	5,198	3,204	842
Water-Heating Energy Sources (more than one may apply)								
Electricity	27,490	26,527	16,579	12,487	2,328	1,618	1,950	421
Natural Gas	28,820	28,544	11,286	25,279	2,401	936	Q	264
Fuel Oil	1,880	1,797	283	342	1,696	Q	Q	Q
District Heat	3,088	3,023	832	390	Q	2,860	Q	N
Propane	1,422	1,376	625	Q	Q	Q	971	Q
Cooking Energy Sources (more than one may apply)								
Electricity	13,161	12,942	7,219	8,082	1,384	1,193	570	Q
Natural Gas	15,438	15,125	7,194	11,256	2,296	1,212	Q	Q
Propane	1,460	1,335	569	Q	471	Q	569	Q
Energy End Uses (more than one may apply)								
Buildings with Space Heating	60,028	60,028	28,600	36,959	5,988	5,198	3,204	842
Buildings with Cooling	56,940	55,188	27,509	34,725	4,804	4,408	2,499	667
Buildings with Water Heating	56,478	55,154	26,529	34,755	5,589	4,386	2,985	747
Buildings with Cooking	22,237	21,725	10,845	14,066	3,197	1,768	1,044	Q
Buildings with Manufacturing	3,138	3,072	1,762	2,214	Q	Q	Q	Q
Buildings with Electricity Generation	12,821	12,635	6,587	8,070	1,231	1,985	629	Q
Percent of Floorspace Heated								
Not Heated	4,756	N	N	N	N	N	N	N
1 to 50	6,850	6,850	4,077	3,685	772	Q	587	Q
51 to 99	8,107	8,107	4,355	5,077	846	631	344	Q
100	45,071	45,071	20,168	28,197	4,370	4,541	2,272	679
Heating Equipment (more than one may apply)								
Heat Pumps	8,814	8,814	8,688	4,643	295	413	516	Q
Packaged Heat Pumps	5,442	5,442	5,350	2,845	Q	Q	Q	N
Split-System Heat Pumps	2,581	2,581	2,581	1,261	Q	Q	Q	Q
Individual Room Heat Pumps	2,691	2,691	2,657	1,723	Q	Q	Q	Q
Furnaces	19,615	19,615	8,653	14,562	1,827	Q	1,946	435
Individual Space Heaters	12,545	12,545	9,838	7,947	1,438	560	1,178	317
District Heat	5,166	5,166	1,088	486	Q	5,166	Q	N
Boilers	20,423	20,423	7,766	16,417	4,355	Q	761	286
Packaged Heating Units	18,021	18,021	11,947	12,283	593	528	833	Q
Other	3,262	3,262	2,139	1,524	265	Q	443	384

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] "Other" includes wood, coal, solar, and all other energy sources.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B28. Primary Space-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					
			Primary Space-Heating Energy Source Used [a]			
	All Buildings*	Buildings with Space Heating	Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	4,645	3,982	1,258	1,999	282	63
Building Floorspace (Square Feet)						
1,001 to 5,000	2,552	2,100	699	955	171	Q
5,001 to 10,000	889	782	233	409	58	Q
10,001 to 25,000	738	659	211	372	32	Q
25,001 to 50,000	241	225	63	140	8	9
50,001 to 100,000	129	123	32	73	6	8
100,001 to 200,000	65	62	15	33	Q	9
200,001 to 500,000	25	24	5	13	Q	4
Over 500,000	7	6	1	3	Q	2
Principal Building Activity						
Education	386	382	141	172	14	24
Food Sales	226	188	94	68	Q	N
Food Service	297	282	94	149	Q	Q
Health Care	129	124	49	65	Q	1
Inpatient	8	8	Q	6	Q	0
Outpatient	121	116	48	59	Q	Q
Lodging	142	142	78	34	Q	Q
Retail (Other Than Mall)	443	408	115	223	Q	Q
Office	824	802	279	435	40	16
Public Assembly	277	258	62	129	37	6
Public Order and Safety	71	70	Q	31	Q	Q
Religious Worship	370	359	93	198	31	Q
Service	622	515	103	249	50	Q
Warehouse and Storage	597	316	103	168	Q	Q
Other	79	67	Q	40	Q	Q
Vacant	182	69	Q	39	Q	Q
Year Constructed						
Before 1920	330	302	24	177	66	Q
1920 to 1945	527	442	80	291	41	12
1946 to 1959	562	493	126	268	48	13
1960 to 1969	579	524	157	266	38	13
1970 to 1979	731	648	219	324	36	6
1980 to 1989	707	618	276	244	Q	4
1990 to 1999	876	719	288	333	Q	7
2000 to 2003	334	236	89	97	Q	Q
Census Region and Division						
Northeast	726	672	90	324	212	17
New England	233	211	Q	56	113	Q
Middle Atlantic	493	461	71	268	98	11
Midwest	1,266	1,112	179	738	36	13
East North Central	696	633	87	501	Q	7
West North Central	571	479	92	238	Q	Q
South	1,775	1,462	729	566	21	19
South Atlantic	874	746	406	234	Q	13
East South Central	348	283	103	133	Q	Q
West South Central	553	433	220	199	N	Q
West	878	735	261	371	Q	15
Mountain	299	273	65	162	Q	Q
Pacific	580	462	196	209	Q	8

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Table B28. Primary Space-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					
			Primary Space-Heating Energy Source Used [a]			
	All Buildings*	Buildings with Space Heating	Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	4,645	3,982	1,258	1,999	282	63
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	855	752	115	448	112	6
5,500-7,000 HDD	1,173	1,055	196	640	109	27
4,000-5,499 HDD	673	626	142	291	48	13
Fewer than 4,000 HDD	1,276	1051	433	508	Q	11
2,000 CDD or More and --						
Fewer than 4,000 HDD	669	498	372	112	Q	6
Number of Workers (main shift)						
Fewer than 5	2,653	2,080	674	918	190	Q
5 to 9	778	733	236	404	47	Q
10 to 19	563	536	180	291	24	Q
20 to 49	398	387	101	244	Q	15
50 to 99	147	141	38	87	6	7
100 to 249	77	76	22	39	Q	9
250 or More	30	29	8	15	Q	5
Weekly Operating Hours						
Fewer than 40	1,002	751	227	333	65	Q
40 to 48	1,117	1,037	340	506	80	11
49 to 60	1,062	965	274	541	54	18
61 to 84	591	535	160	304	36	11
85 to 167	400	331	103	171	20	9
Open Continuously	475	364	154	144	27	9
Energy Sources (more than one may apply)						
Electricity	4,404	3,971	1,258	1,998	282	63
Natural Gas	2,391	2,344	281	1,999	38	24
Fuel Oil	451	443	51	77	282	4
District Heat	67	67	Q	Q	N	63
District Chilled Water	33	32	Q	5	Q	23
Propane	502	489	78	39	49	Q
Other	132	132	Q	29	Q	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	3,982	3,982	1,258	1,999	282	63
Buildings with Cooling	3,625	3,469	1,188	1,794	161	52
Buildings with Water Heating	3,472	3,337	999	1,765	226	57
Buildings with Cooking	801	764	223	397	68	8
Buildings with Manufacturing	119	111	25	62	Q	Q
Buildings with Electricity Generation	149	148	40	78	10	6
Percent of Floorspace Heated						
Not Heated	663	N	N	N	N	N
1 to 50	523	523	222	192	42	Q
51 to 99	498	498	146	272	41	5
100	2,962	2,962	891	1,534	199	57

Table B28. Primary Space-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					
			Primary Space-Heating Energy Source Used [a]			
	All Buildings*	Buildings with Space Heating	Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	4,645	3,982	1,258	1,999	282	63
Heating Equipment (more than one may apply)						
Heat Pumps	476	476	371	85	Q	1
Packaged Heat Pumps	278	278	220	51	Q	Q
Split-System Heat Pumps	166	166	128	27	N	Q
Individual Room Heat Pumps	58	58	42	14	Q	Q
Furnaces	1,864	1,864	296	1,212	145	Q
Individual Space Heaters	819	819	305	361	39	4
District Heat	65	65	Q	Q	N	63
Boilers	579	579	58	373	121	Q
Packaged Heating Units	953	953	427	456	Q	2
Other	205	205	60	69	Q	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] Additionally, 308,000 buildings used propane; 72,000 used wood, coal or some other energy source; and no responding buildings in the sample used solar as a primary space-heating energy source.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B29. Primary Space-Heating Energy Sources, Total Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)					
			Primary Space-Heating Energy Source Used [a]			
	All Buildings*	Buildings with Space Heating	Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	64,783	60,028	15,996	32,970	3,818	4,907
Building Floorspace (Square Feet)						
1,001 to 5,000	6,789	5,668	1,779	2,672	484	Q
5,001 to 10,000	6,585	5,786	1,686	3,068	428	Q
10,001 to 25,000	11,535	10,387	3,366	5,807	536	Q
25,001 to 50,000	8,668	8,060	2,264	4,974	300	325
50,001 to 100,000	9,057	8,718	2,245	5,147	431	516
100,001 to 200,000	9,064	8,710	2,011	4,489	Q	1,340
200,001 to 500,000	7,176	6,907	1,380	3,933	Q	1,003
Over 500,000	5,908	5,792	1,265	2,880	Q	1,352
Principal Building Activity						
Education	9,874	9,755	2,495	5,191	803	970
Food Sales	1,255	1,131	437	568	Q	N
Food Service	1,654	1,608	436	957	Q	Q
Health Care	3,163	3,100	592	1,972	Q	388
Inpatient	1,905	1,905	Q	1,388	Q	331
Outpatient	1,258	1,195	491	583	Q	Q
Lodging	5,096	4,994	2,122	2,040	Q	Q
Retail (Other Than Mall)	4,317	4,075	1,199	2,470	Q	Q
Office	12,208	11,929	3,995	6,046	301	1,448
Public Assembly	3,939	3,777	672	1,813	Q	547
Public Order and Safety	1,090	1,083	Q	537	Q	Q
Religious Worship	3,754	3,581	796	2,305	306	Q
Service	4,050	3,687	519	2,286	340	Q
Warehouse and Storage	10,078	8,126	2,257	4,736	Q	Q
Other	1,738	1,691	Q	1,064	Q	Q
Vacant	2,567	1,491	Q	987	Q	Q
Year Constructed						
Before 1920	3,769	3,667	355	2,304	564	Q
1920 to 1945	6,871	6,236	390	3,580	1,125	1,072
1946 to 1959	7,045	6,534	1,142	3,546	894	661
1960 to 1969	8,101	7,510	1,455	4,564	420	783
1970 to 1979	10,772	10,223	2,830	6,037	415	557
1980 to 1989	10,332	9,808	4,131	4,547	Q	704
1990 to 1999	12,360	11,254	3,892	5,933	Q	680
2000 to 2003	5,533	4,796	1,802	2,457	Q	Q
Census Region and Division						
Northeast	12,905	12,596	1,253	6,439	3,250	1,205
New England	2,964	2,819	Q	1,061	1,161	Q
Middle Atlantic	9,941	9,778	1,127	5,377	2,089	970
Midwest	17,080	16,331	2,545	11,321	229	1,531
East North Central	11,595	11,223	1,487	8,230	Q	1,319
West North Central	5,485	5,108	1,058	3,091	Q	Q
South	23,489	20,998	9,084	9,299	232	1,614
South Atlantic	12,258	11,012	4,968	4,175	Q	1,149
East South Central	3,393	3,056	791	1,817	Q	Q
West South Central	7,837	6,929	3,325	3,308	N	Q
West	11,310	10,102	3,114	5,911	Q	557
Mountain	3,675	3,525	789	2,277	Q	Q
Pacific	7,635	6,577	2,325	3,633	Q	362

Table B29. Primary Space-Heating Energy Sources, Total Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)					
			Primary Space-Heating Energy Source Used [a]			
	All Buildings*	Buildings with Space Heating	Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	64,783	60,028	15,996	32,970	3,818	4,907
Climate Zone: 30-Year Average						
Under 2,000 CDD and --						
More than 7,000 HDD	10,622	10,109	1,375	6,515	962	752
5,500-7,000 HDD	17,335	16,720	2,603	10,640	1,211	1,638
4,000-5,499 HDD	11,504	11,239	2,210	5,617	1,557	1,231
Fewer than 4,000 HDD	15,739	13,965	4,580	7,965	Q	883
2,000 CDD or More and --						
Fewer than 4,000 HDD	9,584	7,995	5,228	2,233	Q	Q
Number of Workers (main shift)						
Fewer than 5	15,492	12,182	3,385	5,890	987	Q
5 to 9	6,166	5,822	1,736	3,426	328	Q
10 to 19	7,803	7,410	2,430	3,833	Q	Q
20 to 49	10,989	10,822	2,602	6,556	Q	611
50 to 99	7,934	7,650	1,834	4,614	593	460
100 to 249	6,871	6,766	1,692	3,748	Q	975
250 or More	9,528	9,376	2,318	4,903	Q	1,895
Weekly Operating Hours						
Fewer than 40	6,863	5,246	1,424	2,848	302	Q
40 to 48	11,622	10,928	3,348	5,578	1,006	486
49 to 60	15,723	14,763	3,940	8,015	708	1,566
61 to 84	10,334	10,012	2,746	5,801	651	572
85 to 167	7,092	6,680	1,266	3,960	359	790
Open Continuously	13,149	12,399	3,273	6,768	793	1,315
Energy Sources (more than one may apply)						
Electricity	63,307	59,991	15,996	32,963	3,818	4,907
Natural Gas	43,468	42,974	6,162	32,970	1,588	2,117
Fuel Oil	15,157	14,942	3,079	6,258	3,818	1,490
District Heat	5,443	5,378	Q	Q	N	4,907
District Chilled Water	2,853	2,734	Q	339	Q	2,165
Propane	7,076	6,790	1,323	1,947	930	Q
Other	1,401	1,399	Q	713	Q	Q
Energy End Uses (more than one may apply)						
Buildings with Space Heating	60,028	60,028	15,996	32,970	3,818	4,907
Buildings with Cooling	56,940	55,188	15,562	30,808	2,836	4,147
Buildings with Water Heating	56,478	55,154	14,429	31,026	3,539	4,095
Buildings with Cooking	22,237	21,725	5,109	12,430	1,892	1,623
Buildings with Manufacturing	3,138	3,072	515	1,954	Q	Q
Buildings with Electricity Generation	12,821	12,635	3,131	7,077	316	1,817
Percent of Floorspace Heated						
Not Heated	4,756	N	N	N	N	N
1 to 50	6,850	6,850	2,890	3,029	565	Q
51 to 99	8,107	8,107	2,164	4,707	459	574
100	45,071	45,071	10,943	25,233	2,793	4,307

Table B29. Primary Space-Heating Energy Sources, Total Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)					
			Primary Space-Heating Energy Source Used [a]			
	All Buildings*	Buildings with Space Heating	Electricity	Natural Gas	Fuel Oil	District Heat
All Buildings*	64,783	60,028	15,996	32,970	3,818	4,907
Heating Equipment (more than one may apply)						
Heat Pumps	8,814	8,814	4,812	3,430	Q	388
Packaged Heat Pumps	5,442	5,442	3,056	2,092	Q	Q
Split-System Heat Pumps	2,581	2,581	1,343	1,014	N	Q
Individual Room Heat Pumps	2,691	2,691	1,286	1,173	Q	Q
Furnaces	19,615	19,615	3,655	13,476	1,153	Q
Individual Space Heaters	12,545	12,545	3,736	6,907	739	533
District Heat	5,166	5,166	Q	Q	N	4,875
Boilers	20,423	20,423	2,115	15,138	2,714	Q
Packaged Heating Units	18,021	18,021	6,767	10,115	Q	466
Other	3,262	3,262	1,286	1,275	Q	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] Additionally, buildings comprising 1,955 million square feet used propane; buildings comprising 382 million square feet used wood, coal or some other energy source; and no responding buildings in the sample used solar as a primary space-heating energy source.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B30. Cooling Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Cooling Energy Sources (more than one may apply)					Cooling Energy Sources (more than one may apply)		
	All Buildings*	Buildings with Cooling	Electricity	Natural Gas	District Chilled Water	All Buildings*	Buildings with Cooling	Electricity	Natural Gas	District Chilled Water
All Buildings*	4,645	3,625	3,589	17	33	64,783	56,940	54,321	1,018	2,853
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	1,841	1,838	Q	Q	6,789	5,007	4,994	Q	Q
5,001 to 10,000	889	732	727	Q	Q	6,585	5,408	5,367	Q	Q
10,001 to 25,000	738	629	618	Q	Q	11,535	9,922	9,743	Q	Q
25,001 to 50,000	241	216	211	Q	6	8,668	7,776	7,557	Q	240
50,001 to 100,000	129	118	114	Q	5	9,057	8,331	8,086	Q	332
100,001 to 200,000	65	60	55	Q	6	9,064	8,339	7,657	Q	793
200,001 to 500,000	25	23	21	Q	2	7,176	6,565	6,112	Q	495
Over 500,000	7	6	5	Q	1	5,908	5,591	4,806	Q	822
Principal Building Activity										
Education	386	352	339	Q	14	9,874	9,200	8,406	Q	768
Food Sales	226	210	208	N	N	1,255	1,198	1,183	N	N
Food Service	297	283	283	Q	Q	1,654	1,583	1,570	Q	Q
Health Care	129	129	128	0	1	3,163	3,157	2,972	215	297
Inpatient	8	8	8	0	1	1,905	1,899	1,735	204	279
Outpatient	121	121	121	Q	Q	1,258	1,258	1,237	Q	Q
Lodging	142	130	129	Q	Q	5,096	4,841	4,746	Q	Q
Retail (Other Than Mall)	443	406	405	Q	Q	4,317	4,079	4,040	Q	Q
Office	824	790	781	Q	9	12,208	12,032	11,192	Q	730
Public Assembly	277	213	210	Q	3	3,939	3,477	3,113	Q	458
Public Order and Safety	71	61	60	Q	Q	1,090	1,043	925	Q	Q
Religious Worship	370	308	308	Q	Q	3,754	3,301	3,301	Q	Q
Service	622	370	370	Q	N	4,050	3,261	3,261	Q	N
Warehouse and Storage	597	266	261	Q	Q	10,078	7,295	7,196	Q	Q
Other	79	57	56	Q	Q	1,738	1,636	1,577	Q	Q
Vacant	182	52	52	N	Q	2,567	836	836	N	Q
Year Constructed										
Before 1920	330	232	230	Q	Q	3,769	2,891	2,859	Q	Q
1920 to 1945	527	382	379	Q	Q	6,871	4,919	4,676	Q	Q
1946 to 1959	562	430	426	Q	4	7,045	6,045	5,727	Q	359
1960 to 1969	579	467	458	Q	4	8,101	7,125	6,737	Q	446
1970 to 1979	731	609	607	Q	5	10,772	9,973	9,715	Q	456
1980 to 1989	707	577	572	Q	5	10,332	9,836	9,392	Q	531
1990 to 1999	876	695	685	Q	8	12,360	11,304	10,528	Q	804
2000 to 2003	334	234	232	Q	Q	5,533	4,848	4,687	Q	Q
Census Region and Division										
Northeast	726	519	512	7	6	12,905	10,954	10,402	353	620
New England	233	130	130	Q	Q	2,964	2,021	1,946	Q	Q
Middle Atlantic	493	388	382	Q	6	9,941	8,932	8,456	Q	583
Midwest	1,266	957	951	Q	4	17,080	14,484	13,781	Q	596
East North Central	696	550	544	Q	3	11,595	9,790	9,157	Q	569
West North Central	571	408	407	Q	Q	5,485	4,694	4,625	Q	Q
South	1,775	1,479	1,467	Q	14	23,489	21,553	20,623	Q	1,150
South Atlantic	874	761	754	Q	9	12,258	11,474	10,969	Q	667
East South Central	348	262	260	Q	Q	3,393	2,985	2,820	Q	Q
West South Central	553	456	454	Q	3	7,837	7,094	6,834	Q	284
West	878	671	659	Q	9	11,310	9,950	9,515	Q	487
Mountain	299	237	235	Q	Q	3,675	3,267	3,186	Q	Q
Pacific	580	434	424	Q	6	7,635	6,683	6,328	Q	300

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Table B30. Cooling Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Cooling Energy Sources (more than one may apply)					Cooling Energy Sources (more than one may apply)		
	All Buildings*	Buildings with Cooling	Electricity	Natural Gas	District Chilled Water	All Buildings*	Buildings with Cooling	Electricity	Natural Gas	District Chilled Water
All Buildings*	4,645	3,625	3,589	17	33	64,783	56,940	54,321	1,018	2,853
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	578	575	Q	3	10,622	8,550	8,205	Q	350
5,500-7,000 HDD	1,173	882	871	7	4	17,335	14,524	13,843	355	698
4,000-5,499 HDD	673	582	574	Q	7	11,504	10,946	10,319	Q	514
Fewer than 4,000 HDD	1,276	1003	996	Q	10	15,739	13,977	13,508	Q	659
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	580	573	Q	9	9,584	8,943	8,446	Q	633
Number of Workers (main shift)										
Fewer than 5	2,653	1,746	1,738	Q	Q	15,492	9,591	9,528	Q	Q
5 to 9	778	725	724	Q	Q	6,166	5,726	5,630	Q	Q
10 to 19	563	523	520	Q	Q	7,803	7,304	7,234	Q	Q
20 to 49	398	386	377	Q	6	10,989	10,566	10,211	Q	327
50 to 99	147	139	132	Q	7	7,934	7,428	6,988	Q	505
100 to 249	77	76	71	Q	6	6,871	6,806	6,377	Q	583
250 or More	30	30	27	1	4	9,528	9,519	8,352	373	1,219
Weekly Operating Hours										
Fewer than 40	1,002	595	590	Q	Q	6,863	3,998	3,954	Q	Q
40 to 48	1,117	951	948	Q	Q	11,622	10,508	10,328	Q	Q
49 to 60	1,062	883	869	Q	6	15,723	13,757	13,048	Q	658
61 to 84	591	521	516	Q	6	10,334	9,691	9,274	Q	347
85 to 167	400	338	330	Q	7	7,092	6,708	6,151	Q	604
Open Continuously	475	338	335	2	4	13,149	12,277	11,567	499	753
Energy Sources (more than one may apply)										
Electricity	4,404	3,623	3,589	17	33	63,307	56,925	54,321	1,018	2,853
Natural Gas	2,391	2,153	2,133	17	17	43,468	41,023	39,286	1,018	1,765
Fuel Oil	451	298	294	2	3	15,157	13,890	13,036	488	986
District Heat	67	55	32	Q	25	5,443	4,653	2,674	Q	2,311
District Chilled Water	33	33	9	Q	33	2,853	2,853	924	Q	2,853
Propane	502	399	399	Q	Q	7,076	5,713	5,666	Q	Q
Other	132	78	72	Q	Q	1,401	1,225	1,130	Q	Q
Primary Space-Heating Energy Source										
Electricity	1,258	1,188	1,186	Q	Q	15,996	15,562	15,442	Q	Q
Natural Gas	1,999	1,794	1,783	16	5	32,970	30,808	30,167	918	339
Fuel Oil	282	161	161	Q	Q	3,818	2,836	2,813	Q	Q
District Heat	63	52	30	Q	23	4,907	4,147	2,353	Q	2,165
Propane	308	245	244	N	Q	1,955	1,553	1,542	N	Q
Other	72	31	29	N	N	382	282	267	N	N
Water-Heating Energy Sources (more than one may apply)										
Electricity	1,910	1,708	1,701	Q	9	27,490	26,028	25,459	Q	745
Natural Gas	1,445	1,326	1,312	10	14	28,820	27,379	26,280	937	1,023
Fuel Oil	94	62	60	Q	Q	1,880	1,591	1,569	Q	Q
District Heat	27	25	15	Q	10	3,088	2,987	1,852	Q	1,205
Propane	128	109	109	N	Q	1,422	1,252	1,241	N	Q

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Table B30. Cooling Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Cooling Energy Sources (more than one may apply)					Cooling Energy Sources (more than one may apply)		
	All Buildings*	Buildings with Cooling	Electricity	Natural Gas	District Chilled Water	All Buildings*	Buildings with Cooling	Electricity	Natural Gas	District Chilled Water
All Buildings*	4,645	3,625	3,589	17	33	64,783	56,940	54,321	1,018	2,853
Cooking Energy Sources (more than one may apply)										
Electricity	410	378	374	5	4	13,161	12,695	12,058	460	936
Natural Gas	457	444	441	5	3	15,438	15,127	14,299	634	900
Propane	108	85	85	N	Q	1,460	1,263	1,249	N	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	3,469	3,434	17	32	60,028	55,188	52,584	1,018	2,734
Buildings with Cooling	3,625	3,625	3,589	17	33	56,940	56,940	54,321	1,018	2,853
Buildings with Water Heating	3,472	3,112	3,080	15	31	56,478	53,232	50,669	1,007	2,655
Buildings with Cooking	801	743	738	7	6	22,237	21,451	20,333	767	1,274
Buildings with Manufacturing	119	92	91	Q	Q	3,138	2,655	2,627	Q	Q
Buildings with Electricity Generation	149	144	140	2	5	12,821	12,746	11,541	456	1,272
Percent of Floorspace Cooled										
Not Cooled	1,020	N	N	N	N	7,843	N	N	N	N
1 to 50	985	985	978	Q	Q	16,598	16,598	16,465	Q	Q
51 to 99	629	629	625	2	5	13,211	13,211	12,327	360	829
100	2,011	2,011	1,986	11	27	27,132	27,132	25,529	541	1,985
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	1,006	1,006	1,005	Q	Q	11,035	11,035	10,946	Q	Q
Heat Pumps	492	492	492	8	1	9,041	9,041	9,030	325	251
Packaged Heat Pumps	288	288	287	Q	Q	5,426	5,426	5,415	Q	Q
Split-System Heat Pumps	174	174	174	Q	Q	2,606	2,606	2,606	Q	Q
Individual Room Heat Pumps	58	58	58	Q	Q	2,940	2,940	2,940	Q	Q
Individual Air Conditioners	742	742	742	Q	2	12,558	12,558	12,558	Q	439
District Chilled Water	33	33	9	Q	33	2,853	2,853	924	Q	2,853
Central Chillers	111	111	106	5	Q	11,636	11,636	11,054	782	Q
Packaged Air Conditioning Units	1,613	1,613	1,612	4	4	29,969	29,969	29,756	554	511
Swamp Coolers	122	122	122	Q	Q	1,561	1,561	1,561	Q	Q
Other	40	40	30	Q	Q	1,232	1,232	1,091	Q	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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B31. Water-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Water-Heating Energy Sources Used (more than one may apply)				
	All Buildings*	Buildings with Water Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	4,645	3,472	1,910	1,445	94	27	128
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	1,715	1,020	617	41	N	66
5,001 to 10,000	889	725	386	307	Q	Q	27
10,001 to 25,000	738	607	301	285	16	Q	27
25,001 to 50,000	241	217	110	114	Q	Q	Q
50,001 to 100,000	129	119	53	70	Q	5	Q
100,001 to 200,000	65	60	27	35	Q	5	Q
200,001 to 500,000	25	23	9	14	Q	2	Q
Over 500,000	7	6	3	3	Q	1	N
Principal Building Activity							
Education	386	298	144	149	10	6	15
Food Sales	226	186	109	68	Q	N	Q
Food Service	297	297	101	176	Q	Q	Q
Health Care	129	127	72	56	1	1	Q
Inpatient	8	8	1	6	0	1	Q
Outpatient	121	119	70	50	Q	Q	N
Lodging	142	142	45	74	14	Q	18
Retail (Other Than Mall)	443	314	189	118	Q	N	Q
Office	824	733	443	273	Q	10	Q
Public Assembly	277	227	128	81	Q	3	Q
Public Order and Safety	71	70	32	24	Q	Q	Q
Religious Worship	370	315	171	139	Q	N	Q
Service	622	418	260	154	Q	Q	Q
Warehouse and Storage	597	243	163	85	Q	Q	Q
Other	79	55	32	20	Q	Q	Q
Vacant	182	47	21	27	N	Q	N
Year Constructed							
Before 1920	330	266	121	120	Q	Q	Q
1920 to 1945	527	367	139	212	15	Q	Q
1946 to 1959	562	416	212	191	Q	Q	Q
1960 to 1969	579	444	237	177	20	8	24
1970 to 1979	731	582	333	248	13	3	Q
1980 to 1989	707	531	347	170	Q	3	23
1990 to 1999	876	642	373	257	Q	Q	Q
2000 to 2003	334	224	146	70	Q	Q	Q
Census Region and Division							
Northeast	726	600	249	266	84	8	22
New England	233	188	92	38	53	Q	Q
Middle Atlantic	493	411	157	229	32	6	Q
Midwest	1,266	987	504	469	Q	6	44
East North Central	696	572	263	323	Q	3	Q
West North Central	571	415	241	146	Q	Q	Q
South	1,775	1,217	841	370	Q	7	35
South Atlantic	874	643	491	147	Q	Q	19
East South Central	348	227	153	72	N	Q	Q
West South Central	553	347	197	151	Q	Q	Q
West	878	668	316	340	Q	Q	Q
Mountain	299	256	109	140	Q	Q	Q
Pacific	580	413	207	201	Q	Q	Q

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Table B31. Water-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Water-Heating Energy Sources Used (more than one may apply)				
	All Buildings*	Buildings with Water Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	4,645	3,472	1,910	1,445	94	27	128
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	855	683	324	312	41	4	28
5,500-7,000 HDD	1,173	926	454	440	33	8	29
4,000-5,499 HDD	673	554	314	203	19	7	Q
Fewer than 4,000 HDD	1,276	883	504	377	Q	6	28
2,000 CDD or More and --							
Fewer than 4,000 HDD	669	426	315	113	Q	Q	Q
Number of Workers (main shift)							
Fewer than 5	2,653	1,653	995	569	46	Q	78
5 to 9	778	675	365	297	Q	Q	Q
10 to 19	563	514	258	238	Q	Q	Q
20 to 49	398	384	183	203	Q	11	Q
50 to 99	147	142	59	83	Q	Q	Q
100 to 249	77	75	35	39	Q	5	Q
250 or More	30	30	15	15	1	3	Q
Weekly Operating Hours							
Fewer than 40	1,002	580	347	212	Q	Q	Q
40 to 48	1,117	856	519	318	Q	Q	Q
49 to 60	1,062	845	504	330	17	Q	Q
61 to 84	591	506	252	235	Q	5	Q
85 to 167	400	330	145	171	Q	4	Q
Open Continuously	475	356	142	178	23	7	27
Energy Sources (more than one may apply)							
Electricity	4,404	3,470	1,910	1,445	92	27	128
Natural Gas	2,391	2,126	757	1,445	19	6	Q
Fuel Oil	451	376	206	85	94	3	18
District Heat	67	61	25	15	Q	27	Q
District Chilled Water	33	31	9	14	Q	10	Q
Propane	502	428	268	27	25	Q	128
Other	132	95	58	20	Q	Q	Q
Primary Space-Heating Energy Source							
Electricity	1,258	999	823	184	Q	Q	15
Natural Gas	1,999	1,765	642	1,190	2	Q	Q
Fuel Oil	282	226	131	18	79	N	Q
District Heat	63	57	25	14	Q	25	N
Propane	308	252	163	N	Q	N	92
Other	72	38	Q	Q	Q	N	Q
Cooking Energy Sources (more than one may apply)							
Electricity	410	407	219	189	10	2	18
Natural Gas	457	451	116	354	14	2	N
Propane	108	101	40	Q	Q	Q	47

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Table B31. Water-Heating Energy Sources, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Water-Heating Energy Sources Used (more than one may apply)				
	All Buildings*	Buildings with Water Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	4,645	3,472	1,910	1,445	94	27	128
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	3,337	1,815	1,407	87	27	124
Buildings with Cooling	3,625	3,112	1,708	1,326	62	25	109
Buildings with Water Heating	3,472	3,472	1,910	1,445	94	27	128
Buildings with Cooking	801	787	316	426	32	3	59
Buildings with Manufacturing	119	102	63	42	Q	Q	Q
Buildings with Electricity Generation	149	143	69	73	6	5	Q
Water Heating Equipment							
Centralized System	2,513	2,513	1,265	1,103	91	22	98
Distributed System	785	785	550	240	Q	Q	Q
Combination of Centralized and Distributed System	175	175	94	102	2	3	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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B32. Water-Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Water-Heating Energy Sources Used (more than one may apply)				
	All Buildings*	Buildings with Water Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	64,783	56,478	27,490	28,820	1,880	3,088	1,422
Building Floorspace (Square Feet)							
1,001 to 5,000	6,789	4,759	2,847	1,699	116	N	169
5,001 to 10,000	6,585	5,348	2,821	2,296	Q	Q	205
10,001 to 25,000	11,535	9,562	4,809	4,470	265	Q	430
25,001 to 50,000	8,668	7,734	3,924	4,055	Q	Q	Q
50,001 to 100,000	9,057	8,412	3,659	5,005	Q	303	Q
100,001 to 200,000	9,064	8,300	3,884	4,754	Q	822	Q
200,001 to 500,000	7,176	6,680	2,722	4,076	Q	621	Q
Over 500,000	5,908	5,683	2,824	2,467	Q	1,064	N
Principal Building Activity							
Education	9,874	9,481	3,829	5,549	501	535	347
Food Sales	1,255	1,130	515	557	Q	N	Q
Food Service	1,654	1,654	482	1,127	Q	Q	Q
Health Care	3,163	3,160	1,026	1,926	177	423	Q
Inpatient	1,905	1,905	280	1,380	162	381	Q
Outpatient	1,258	1,255	746	547	Q	Q	N
Lodging	5,096	5,096	905	3,676	Q	Q	219
Retail (Other Than Mall)	4,317	3,459	2,047	1,470	Q	N	Q
Office	12,208	11,804	7,015	4,713	Q	974	Q
Public Assembly	3,939	3,632	1,638	1,957	Q	389	Q
Public Order and Safety	1,090	957	327	486	Q	Q	Q
Religious Worship	3,754	3,512	1,825	1,893	Q	N	Q
Service	4,050	3,320	1,841	1,523	Q	Q	Q
Warehouse and Storage	10,078	6,624	4,520	2,672	Q	Q	Q
Other	1,738	1,630	990	656	Q	Q	Q
Vacant	2,567	1,020	530	614	N	Q	N
Year Constructed							
Before 1920	3,769	3,353	1,348	1,942	Q	Q	Q
1920 to 1945	6,871	5,292	1,872	2,857	Q	617	Q
1946 to 1959	7,045	5,924	2,819	3,245	Q	399	Q
1960 to 1969	8,101	7,202	2,865	3,953	314	608	314
1970 to 1979	10,772	9,787	4,775	5,169	303	453	Q
1980 to 1989	10,332	9,420	5,665	3,994	Q	561	174
1990 to 1999	12,360	10,816	5,853	5,295	Q	Q	Q
2000 to 2003	5,533	4,683	2,294	2,366	Q	Q	Q
Census Region and Division							
Northeast	12,905	11,789	5,125	5,601	1,542	929	261
New England	2,964	2,724	1,439	682	590	Q	Q
Middle Atlantic	9,941	9,065	3,686	4,919	952	775	Q
Midwest	17,080	14,928	6,477	8,799	Q	749	390
East North Central	11,595	10,208	4,086	6,417	Q	588	Q
West North Central	5,485	4,720	2,391	2,382	Q	Q	362
South	23,489	19,913	11,882	8,306	Q	956	537
South Atlantic	12,258	10,714	7,033	3,649	Q	730	391
East South Central	3,393	2,858	1,581	1,456	N	Q	Q
West South Central	7,837	6,341	3,267	3,201	Q	Q	Q
West	11,310	9,848	4,007	6,114	Q	454	Q
Mountain	3,675	3,422	1,236	2,276	Q	Q	Q
Pacific	7,635	6,426	2,771	3,838	Q	338	Q

Table B32. Water-Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Water-Heating Energy Sources Used (more than one may apply)				
	All Buildings*	Buildings with Water Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	64,783	56,478	27,490	28,820	1,880	3,088	1,422
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	10,622	9,474	3,941	5,482	389	582	341
5,500-7,000 HDD	17,335	15,160	6,525	8,466	481	654	312
4,000-5,499 HDD	11,504	10,785	5,147	4,892	902	1,073	Q
Fewer than 4,000 HDD	15,739	13,192	6,685	7,068	Q	695	260
2,000 CDD or More and --							
Fewer than 4,000 HDD	9,584	7,867	5,192	2,913	Q	Q	Q
Number of Workers (main shift)							
Fewer than 5	15,492	9,525	5,218	3,869	249	Q	510
5 to 9	6,166	5,393	2,864	2,513	Q	Q	Q
10 to 19	7,803	7,182	3,532	3,317	Q	Q	Q
20 to 49	10,989	10,480	5,002	6,002	Q	484	Q
50 to 99	7,934	7,688	3,253	4,713	Q	Q	Q
100 to 249	6,871	6,815	2,956	3,842	Q	729	Q
250 or More	9,528	9,395	4,666	4,564	342	1,347	Q
Weekly Operating Hours							
Fewer than 40	6,863	4,305	2,435	1,918	Q	Q	Q
40 to 48	11,622	9,989	5,949	4,342	Q	Q	Q
49 to 60	15,723	13,564	7,886	6,100	252	463	Q
61 to 84	10,334	9,477	4,657	4,793	Q	516	Q
85 to 167	7,092	6,635	2,996	3,596	Q	476	Q
Open Continuously	13,149	12,508	3,568	8,072	875	1,409	335
Energy Sources (more than one may apply)							
Electricity	63,307	56,463	27,490	28,820	1,865	3,088	1,422
Natural Gas	43,468	41,134	14,880	28,820	1,020	1,427	Q
Fuel Oil	15,157	14,560	6,745	6,968	1,880	1,241	389
District Heat	5,443	4,631	1,685	939	Q	3,088	Q
District Chilled Water	2,853	2,655	745	1,023	Q	1,205	Q
Propane	7,076	6,292	3,710	1,593	450	Q	1,422
Other	1,401	1,306	645	577	Q	Q	Q
Primary Space-Heating Energy Source							
Electricity	15,996	14,429	11,021	4,038	Q	Q	223
Natural Gas	32,970	31,026	10,988	22,675	207	Q	Q
Fuel Oil	3,818	3,539	1,746	911	1,502	N	Q
District Heat	4,907	4,095	1,541	848	Q	2,694	N
Propane	1,955	1,751	1,046	N	Q	N	814
Other	382	314	Q	Q	Q	N	Q
Cooking Energy Sources (more than one may apply)							
Electricity	13,161	13,003	6,222	7,474	490	911	304
Natural Gas	15,438	15,296	4,537	11,840	883	834	N
Propane	1,460	1,437	398	Q	246	Q	714

Table B32. Water-Heating Energy Sources, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Water-Heating Energy Sources Used (more than one may apply)				
	All Buildings*	Buildings with Water Heating	Elec-tricity	Natural Gas	Fuel Oil	District Heat	Propane
All Buildings*	64,783	56,478	27,490	28,820	1,880	3,088	1,422
Energy End Uses (more than one may apply)							
Buildings with Space Heating	60,028	55,154	26,527	28,544	1,797	3,023	1,376
Buildings with Cooling	56,940	53,232	26,028	27,379	1,591	2,987	1,252
Buildings with Water Heating	56,478	56,478	27,490	28,820	1,880	3,088	1,422
Buildings with Cooking	22,237	21,914	8,295	13,909	1,265	1,248	796
Buildings with Manufacturing	3,138	2,987	1,761	1,520	Q	Q	Q
Buildings with Electricity Generation	12,821	12,612	5,559	7,123	389	1,443	Q
Water Heating Equipment							
Centralized System	34,671	34,671	14,245	17,917	1,591	2,073	973
Distributed System	11,540	11,540	7,842	4,435	Q	Q	Q
Combination of Centralized and Distributed System	10,267	10,267	5,404	6,468	248	859	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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

Table B33. Cooking Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Cooking Energy Sources (more than one may apply)					Cooking Energy Sources (more than one may apply)		
	All Buildings*	Buildings with Cooking	Electricity	Natural Gas	Propane	All Buildings*	Buildings with Cooking	Electricity	Natural Gas	Propane
All Buildings*	4,645	801	410	457	108	64,783	22,237	13,161	15,438	1,460
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	354	170	183	63	6,789	997	493	549	165
5,001 to 10,000	889	155	82	88	Q	6,585	1,136	621	641	Q
10,001 to 25,000	738	127	59	75	Q	11,535	1,954	961	1,115	Q
25,001 to 50,000	241	69	40	44	Q	8,668	2,511	1,444	1,623	Q
50,001 to 100,000	129	50	33	31	Q	9,057	3,575	2,350	2,237	Q
100,001 to 200,000	65	28	15	22	Q	9,064	3,991	2,068	3,011	Q
200,001 to 500,000	25	14	9	11	Q	7,176	4,047	2,583	3,247	Q
Over 500,000	7	4	3	3	Q	5,908	4,025	2,641	3,015	Q
Principal Building Activity										
Education	386	125	78	62	11	9,874	6,402	4,240	3,745	455
Food Sales	226	84	51	31	Q	1,255	677	395	412	Q
Food Service	297	284	129	200	38	1,654	1,611	818	1,280	174
Health Care	129	12	8	6	Q	3,163	1,922	1,187	1,616	Q
Inpatient	8	7	4	6	Q	1,905	1,819	1,125	1,572	Q
Outpatient	121	Q	Q	Q	Q	1,258	Q	Q	Q	Q
Lodging	142	47	28	29	Q	5,096	3,184	1,741	2,660	Q
Retail (Other Than Mall)	443	14	4	11	Q	4,317	771	493	641	Q
Office	824	23	17	12	N	12,208	3,077	2,041	1,946	N
Public Assembly	277	73	34	30	Q	3,939	1,506	623	1,133	Q
Public Order and Safety	71	14	Q	Q	Q	1,090	543	Q	Q	Q
Religious Worship	370	108	51	60	Q	3,754	1,552	810	1,000	Q
Service	622	Q	Q	Q	N	4,050	Q	Q	Q	N
Warehouse and Storage	597	Q	Q	Q	Q	10,078	Q	Q	Q	Q
Other	79	Q	Q	Q	Q	1,738	Q	Q	Q	Q
Vacant	182	Q	Q	Q	Q	2,567	Q	Q	Q	Q
Year Constructed										
Before 1920	330	71	32	41	Q	3,769	1,362	664	1,042	Q
1920 to 1945	527	87	40	61	Q	6,871	2,242	946	1,810	Q
1946 to 1959	562	119	60	60	Q	7,045	3,156	1,709	1,996	Q
1960 to 1969	579	92	42	52	Q	8,101	2,669	1,766	1,510	Q
1970 to 1979	731	112	68	64	13	10,772	3,431	2,233	2,412	214
1980 to 1989	707	112	65	51	20	10,332	3,677	2,450	2,384	278
1990 to 1999	876	144	69	90	Q	12,360	3,597	2,127	2,777	Q
2000 to 2003	334	65	35	37	Q	5,533	2,104	1,264	1,506	Q
Census Region and Division										
Northeast	726	157	57	88	35	12,905	5,016	2,495	3,580	396
New England	233	53	14	18	29	2,964	938	537	474	266
Middle Atlantic	493	104	43	70	Q	9,941	4,078	1,958	3,106	Q
Midwest	1,266	206	112	123	25	17,080	5,850	3,784	3,965	233
East North Central	696	131	73	90	Q	11,595	4,378	2,934	3,052	Q
West North Central	571	75	39	33	Q	5,485	1,472	850	913	Q
South	1,775	304	176	167	27	23,489	7,881	4,900	5,480	451
South Atlantic	874	149	94	73	17	12,258	4,198	2,611	2,741	374
East South Central	348	59	32	29	Q	3,393	1,055	665	786	Q
West South Central	553	96	50	64	Q	7,837	2,628	1,623	1,953	Q
West	878	134	64	79	20	11,310	3,489	1,982	2,412	381
Mountain	299	46	27	21	Q	3,675	1,209	791	796	Q
Pacific	580	88	37	57	Q	7,635	2,280	1,192	1,616	Q

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Table B33. Cooking Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	Buildings with Cooking	Cooking Energy Sources (more than one may apply)			All Buildings*	Buildings with Cooking	Cooking Energy Sources (more than one may apply)		
			Electricity	Natural Gas	Propane			Electricity	Natural Gas	Propane
All Buildings*	4,645	801	410	457	108	64,783	22,237	13,161	15,438	1,460
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	145	69	65	40	10,622	3,302	2,123	2,217	354
5,500-7,000 HDD	1,173	227	125	141	19	17,335	6,369	4,210	4,071	259
4,000-5,499 HDD	673	102	45	65	Q	11,504	4,736	2,235	3,464	Q
Fewer than 4,000 HDD	1,276	210	101	127	19	15,739	4,621	2,472	3,518	387
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	116	70	58	Q	9,584	3,208	2,120	2,167	Q
Number of Workers (main shift)										
Fewer than 5	2,653	301	154	131	56	15,492	1,886	887	933	324
5 to 9	778	152	63	97	25	6,166	1,172	567	723	144
10 to 19	563	134	65	88	Q	7,803	2,010	908	1,494	Q
20 to 49	398	115	69	75	Q	10,989	3,829	2,238	2,644	Q
50 to 99	147	53	33	36	Q	7,934	3,699	2,487	2,665	Q
100 to 249	77	31	17	19	Q	6,871	3,515	2,137	2,417	Q
250 or More	30	14	9	10	Q	9,528	6,126	3,937	4,562	Q
Weekly Operating Hours										
Fewer than 40	1,002	127	66	57	Q	6,863	1,123	607	608	Q
40 to 48	1,117	72	45	35	Q	11,622	2,805	1,820	1,567	Q
49 to 60	1,062	141	70	87	Q	15,723	4,509	3,036	3,082	Q
61 to 84	591	169	84	101	25	10,334	3,438	1,781	2,048	306
85 to 167	400	174	83	102	29	7,092	3,039	1,924	2,074	224
Open Continuously	475	117	63	75	12	13,149	7,324	3,993	6,059	467
Energy Sources (more than one may apply)										
Electricity	4,404	801	410	457	108	63,307	22,237	13,161	15,438	1,460
Natural Gas	2,391	564	261	457	Q	43,468	18,656	10,311	15,438	Q
Fuel Oil	451	115	52	51	35	15,157	8,987	5,392	6,655	672
District Heat	67	9	4	7	Q	5,443	1,926	1,337	1,281	Q
District Chilled Water	33	6	4	3	Q	2,853	1,274	936	900	Q
Propane	502	148	56	12	108	7,076	2,673	1,432	912	1,460
Other	132	17	7	5	Q	1,401	599	444	383	Q
Water-Heating Energy Sources (more than one may apply)										
Electricity	1,910	316	219	116	40	27,490	8,295	6,222	4,537	398
Natural Gas	1,445	426	189	354	Q	28,820	13,909	7,474	11,840	Q
Fuel Oil	94	32	10	14	Q	1,880	1,265	490	883	246
District Heat	27	3	2	2	Q	3,088	1,248	911	834	Q
Propane	128	59	18	N	47	1,422	796	304	N	714

Table B33. Cooking Energy Sources, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings*	Buildings with Cooking	Cooking Energy Sources (more than one may apply)			All Buildings*	Buildings with Cooking	Cooking Energy Sources (more than one may apply)		
			Electricity	Natural Gas	Propane			Electricity	Natural Gas	Propane
All Buildings*	4,645	801	410	457	108	64,783	22,237	13,161	15,438	1,460
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	764	392	439	101	60,028	21,725	12,942	15,125	1,335
Buildings with Cooling	3,625	743	378	444	85	56,940	21,451	12,695	15,127	1,263
Buildings with Water Heating	3,472	787	407	451	101	56,478	21,914	13,003	15,296	1,437
Buildings with Cooking	801	801	410	457	108	22,237	22,237	13,161	15,438	1,460
Buildings with Manufacturing	119	9	Q	3	Q	3,138	623	Q	400	Q
Buildings with Electricity Generation	149	58	38	37	Q	12,821	8,028	5,403	6,071	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.

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

N=No responding cases in sample.

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

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A of the 2003 Commercial Buildings Energy Consumption Survey.

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
Building Floorspace (Square Feet)										
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
Principal Building Activity										
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
Year Constructed										
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
Census Region										
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
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	103	97	95	560	10,622	513	1111	1377	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

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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
Number of Floors										
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
Number of Workers (main shift)										
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
Weekly Operating Hours										
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
Vacancy Status										
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
Energy Sources (more than one may apply)										
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
Space-Heating Energy Sources (more than one may apply)										
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

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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
Primary Space-Heating Energy Source										
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
Energy End Uses (more than one may apply)										
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
Percent of Floorspace Cooled										
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
Percent Lit When Open										
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
Heating Equipment (more than one may apply)										
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
HVAC Conservation Features (more than one may apply)										
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

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
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]										
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.

[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 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
All Buildings*	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
Building Floorspace (Square Feet)										
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
Principal Building Activity										
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
Year Constructed										
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
Census Region										
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
Climate Zone: 30-Year Average										
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

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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
All Buildings*	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
Number of Floors										
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
Number of Workers (main shift)										
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
Weekly Operating Hours										
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
Vacancy Status										
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
Energy Sources (more than one may apply)										
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
Cooling Energy Sources (more than one may apply)										
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
Energy End Uses (more than one may apply)										
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

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
All Buildings*	4,645	1,020	985	629	2,011	64,783	7,843	16,598	13,211	27,132
Percent of Floorspace Heated										
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
Percent Lit When Open										
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
Cooling Equipment (more than one may apply)										
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
HVAC Conservation Features (more than one may apply)										
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
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]										
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/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 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 [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
All Buildings*	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789
Building Floorspace (Square Feet)										
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
Principal Building Activity										
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
Year Constructed										
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
Census Region										
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
Climate Zone: 30-Year Average										
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

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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 [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
All Buildings*	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789
Number of Floors										
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
Number of Workers (main shift)										
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
Weekly Operating Hours										
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
Vacancy Status										
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
Energy Sources (more than one may apply)										
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
Energy End Uses (more than one may apply)										
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
Percent of Floorspace Heated										
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

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 [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
All Buildings*	4,645	432	929	1,108	2,176	64,783	3,503	10,203	18,288	32,789
Percent of Floorspace Cooled										
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
Percent Lit When Closed										
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
Lighting Equipment Types (more than one may apply)										
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
Window and Interior Lighting Features (more than one may apply)										
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
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)										
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

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 [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit	All Build-ings*	Not Lit [a]	1 to 50 Percent Lit	51 to 99 Percent Lit	100 Percent Lit
All Buildings*	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.

[a] "Not Lit" includes buildings that were zero percent lit when open, buildings that were never open, and buildings that did not use any electricity.

[b] 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)						
		Heated Buildings		Cooled Buildings		Lit Buildings [c]	
	Total Floorspace in All Buildings*	Total Floor-space [a]	Heated Floor-space [b]	Total Floor-space [a]	Cooled Floor-space [b]	Total Floor-space [a]	Lit Floor-space [b]
All Buildings*	64,783	60,028	53,473	56,940	41,788	62,060	51,342
Building Floorspace (Square Feet)							
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
Principal Building Activity							
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
Year Constructed							
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
Census Region							
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
Climate Zone: 30-Year Average							
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

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

	Total Floorspace (million square feet)						
		Heated Buildings		Cooled Buildings		Lit Buildings [c]	
	Total Floorspace in All Buildings*	Total Floor-space [a]	Heated Floor-space [b]	Total Floor-space [a]	Cooled Floor-space [b]	Total Floor-space [a]	Lit Floor-space [b]
All Buildings*	64,783	60,028	53,473	56,940	41,788	62,060	51,342
Number of Floors							
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
Number of Workers (main shift)							
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
Weekly Operating Hours							
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
Vacancy Status							
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
Energy Sources (more than one may apply)							
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
Space-Heating Energy Sources (more than one may apply)							
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
Primary Space-Heating Energy Source							
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

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

	Total Floorspace (million square feet)						
		Heated Buildings		Cooled Buildings		Lit Buildings [c]	
	Total Floorspace in All Buildings*	Total Floor-space [a]	Heated Floor-space [b]	Total Floor-space [a]	Cooled Floor-space [b]	Total Floor-space [a]	Lit Floor-space [b]
All Buildings*	64,783	60,028	53,473	56,940	41,788	62,060	51,342
Cooling Energy Sources (more than one may apply)							
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
Energy End Uses (more than one may apply)							
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
Percent of Floorspace Heated							
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
Percent of Floorspace Cooled							
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
Percent Lit When Open							
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
Percent Lit When Closed							
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
Heating Equipment (more than one may apply)							
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

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

	Total Floorspace (million square feet)						
		Heated Buildings		Cooled Buildings		Lit Buildings [c]	
	Total Floorspace in All Buildings*	Total Floor-space [a]	Heated Floor-space [b]	Total Floor-space [a]	Cooled Floor-space [b]	Total Floor-space [a]	Lit Floor-space [b]
All Buildings*	64,783	60,028	53,473	56,940	41,788	62,060	51,342
Cooling Equipment (more than one may apply)							
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
Main Equipment Replaced Since 1990 (more than one may apply)							
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
Lighting Equipment Types (more than one may apply)							
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
HVAC Conservation Features (more than one may apply)							
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
Window and Interior Lighting Features (more than one may apply)							
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

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

	Total Floorspace (million square feet)						
		Heated Buildings		Cooled Buildings		Lit Buildings [c]	
	Total Floorspace in All Buildings*	Total Floor-space [a]	Heated Floor-space [b]	Total Floor-space [a]	Cooled Floor-space [b]	Total Floor-space [a]	Lit Floor-space [b]
All Buildings*	64,783	60,028	53,473	56,940	41,788	62,060	51,342
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[d]							
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.

[a] "Total Floorspace" refers to all floorspace in heated, cooled, or lit buildings, including the floorspace that was not heated, cooled, or lit.

[b] "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.

[c] 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.

[d] 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.

Table B38. Heating Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	4,645	3,982	476	1,864	819	65	579	953	205
Building Floorspace (Square Feet)									
1,001 to 5,000	2,552	2,100	258	1,039	415	Q	162	423	121
5,001 to 10,000	889	782	63	391	170	Q	105	214	Q
10,001 to 25,000	738	659	86	307	142	18	138	170	28
25,001 to 50,000	241	225	33	76	49	9	78	69	13
50,001 to 100,000	129	123	21	30	25	8	49	47	6
100,001 to 200,000	65	62	9	15	12	9	31	20	Q
200,001 to 500,000	25	24	5	5	5	4	13	7	2
Over 500,000	7	6	1	1	1	2	3	2	Q
Principal Building Activity									
Education	386	382	66	111	67	25	84	99	Q
Food Sales	226	188	Q	77	Q	N	Q	46	Q
Food Service	297	282	26	125	28	Q	36	103	Q
Health Care	129	124	22	61	21	1	22	28	Q
Inpatient	8	8	Q	Q	1	1	6	3	Q
Outpatient	121	116	19	58	19	Q	16	25	Q
Lodging	142	142	25	31	57	Q	42	31	Q
Retail (Other Than Mall)	443	408	42	227	75	Q	30	97	Q
Office	824	802	113	362	157	16	123	214	33
Public Assembly	277	258	24	120	46	6	48	56	Q
Public Order and Safety	71	70	Q	41	Q	Q	13	16	Q
Religious Worship	370	359	54	193	71	Q	73	63	Q
Service	622	515	29	288	131	Q	49	96	60
Warehouse and Storage	597	316	32	156	98	Q	25	68	Q
Other	79	67	Q	35	17	Q	16	20	Q
Vacant	182	69	Q	36	Q	Q	Q	Q	Q
Year Constructed									
Before 1920	330	302	Q	151	65	Q	105	25	Q
1920 to 1945	527	442	31	235	72	12	103	63	Q
1946 to 1959	562	493	44	259	120	13	98	79	Q
1960 to 1969	579	524	50	242	114	13	82	106	24
1970 to 1979	731	648	82	330	130	6	65	176	40
1980 to 1989	707	618	102	252	119	4	43	209	40
1990 to 1999	876	719	120	299	152	8	56	226	35
2000 to 2003	334	236	39	96	47	Q	27	70	15
Census Region									
Northeast	726	672	47	310	122	17	227	95	22
Midwest	1,266	1,112	45	736	242	13	175	151	80
South	1,775	1,462	304	467	271	20	88	532	56
West	878	735	80	352	185	15	89	175	47
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	855	752	28	474	172	6	178	90	60
5,500-7,000 HDD	1,173	1,055	68	615	215	27	198	147	54
4,000-5,499 HDD	673	626	81	297	149	13	112	122	Q
Fewer than 4,000 HDD	1,276	1,051	213	368	220	12	64	356	45
2,000 CDD or More and --									
Fewer than 4,000 HDD	669	498	86	110	64	7	27	238	22

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Table B38. Heating Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	4,645	3,982	476	1,864	819	65	579	953	205
Number of Floors									
One	3,136	2,566	334	1,193	550	14	190	682	140
Two	1,031	960	97	487	174	19	194	207	50
Three	339	319	31	155	68	10	119	41	Q
Four to Nine	128	125	11	28	25	19	69	20	4
Ten or More	12	12	3	Q	2	3	6	3	1
Number of Workers (main shift)									
Fewer than 5	2,653	2,080	236	1,013	470	Q	216	366	125
5 to 9	778	733	89	399	120	Q	88	186	Q
10 to 19	563	536	64	244	102	Q	81	165	28
20 to 49	398	387	42	152	86	16	94	137	19
50 to 99	147	141	23	40	22	7	51	58	5
100 to 249	77	76	16	12	14	9	34	33	Q
250 or More	30	29	5	4	5	5	15	9	3
Weekly Operating Hours									
Fewer than 40	1,002	751	89	375	161	Q	72	132	40
40 to 48	1,117	1,037	131	506	236	12	145	227	55
49 to 60	1,062	965	102	481	197	18	141	226	48
61 to 84	591	535	67	255	84	11	93	132	25
85 to 167	400	331	31	122	48	9	49	129	Q
Open Continuously	475	364	55	125	93	10	79	107	24
Multibuilding Facility									
Not Part of a Multibuilding Facility	3,169	2,835	281	1,434	563	Q	405	696	153
College or University	83	80	10	Q	6	29	26	6	Q
Primary or Secondary School	254	243	47	68	59	Q	31	67	Q
Office Complex	111	101	21	31	17	Q	16	31	Q
Retail Complex	151	110	Q	51	34	N	Q	19	Q
Religious Campus or Complex	195	186	33	73	28	Q	42	42	Q
Health Care Complex	39	36	7	14	4	Q	10	10	Q
Lodging or Resort Complex	61	58	9	Q	23	Q	7	16	Q
Government Complex	87	70	Q	28	15	4	14	21	Q
Other	496	262	45	137	69	Q	23	44	18
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation Since 1980	1,018	953	95	471	217	18	221	206	37
Addition or Annex	256	246	29	135	61	2	62	59	Q
Reduction In Floorspace	22	22	Q	Q	Q	Q	8	Q	Q
Cosmetic Improvements	741	699	79	344	156	10	171	159	23
Wall or Roof Replacement	370	348	33	161	70	9	96	82	Q
Interior Wall Re-Configuration	411	395	29	204	106	7	106	84	Q
HVAC Equipment Upgrade	442	427	48	214	97	9	126	100	10
Lighting Upgrade	455	425	44	198	97	15	124	101	12
Window Replacement	310	295	26	145	89	6	91	55	Q
Plumbing System Upgrade	315	300	26	151	72	8	85	69	Q
Insulation Upgrade	227	217	15	128	45	3	48	40	Q
Other Renovation	19	19	Q	Q	Q	Q	9	Q	N
No Renovations Since 1980	1,710	1,455	119	746	284	33	232	242	78
Building Newer than 1980	1,917	1,573	261	647	318	14	126	504	89

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Table B38. Heating Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	4,645	3,982	476	1,864	819	65	579	953	205
Energy Sources (more than one may apply)									
Electricity	4,404	3,971	476	1,860	819	65	579	953	198
Natural Gas	2,391	2,344	152	1,314	429	24	432	586	85
Fuel Oil	451	443	21	211	94	4	178	54	40
District Heat	67	67	2	Q	5	65	Q	3	Q
District Chilled Water	33	32	Q	Q	Q	24	5	5	Q
Propane	502	489	44	259	162	Q	55	101	44
Other	132	132	Q	73	46	Q	24	17	48
Space-Heating Energy Sources (more than one may apply)									
Electricity	1,766	1,766	466	554	604	6	161	572	116
Natural Gas	2,165	2,165	124	1,273	399	4	397	529	80
Fuel Oil	360	360	6	188	79	Q	144	17	36
District Heat	65	65	2	Q	4	65	Q	3	Q
Propane	372	372	28	212	122	Q	30	79	40
Other	113	113	Q	65	40	N	18	Q	47
Primary Space-Heating Energy Source									
Electricity	1,258	1,258	371	296	305	Q	58	427	60
Natural Gas	1,999	1,999	85	1,212	361	Q	373	456	69
Fuel Oil	282	282	Q	145	39	N	121	Q	Q
District Heat	63	63	1	Q	4	63	Q	2	Q
Propane	308	308	Q	176	89	Q	Q	63	Q
Other	72	72	Q	Q	Q	N	Q	Q	Q
Energy End Uses (more than one may apply)									
Buildings with Space Heating	3,982	3,982	476	1,864	819	65	579	953	205
Buildings with Cooling	3,625	3,469	469	1,581	685	53	485	932	154
Buildings with Water Heating	3,472	3,337	397	1,585	657	59	546	828	172
Buildings with Cooking	801	764	92	314	131	9	184	241	30
Buildings with Manufacturing	119	111	9	57	39	Q	26	29	Q
Buildings with Electricity Generation	149	148	26	55	38	6	62	50	8
Percent of Floorspace Heated									
Not Heated	663	N	N	N	N	N	N	N	N
1 to 50	523	523	37	240	178	Q	30	109	29
51 to 99	498	498	61	241	114	5	77	138	22
100	2,962	2,962	378	1,383	527	58	472	706	153
Heating Equipment (more than one may apply)									
Heat Pumps	476	476	476	71	56	2	33	52	16
Packaged Heat Pumps	278	278	278	38	26	Q	18	36	Q
Split-System Heat Pumps	166	166	166	30	28	Q	9	17	Q
Individual Room Heat Pumps	58	58	58	9	9	Q	13	14	Q
Furnaces	1,864	1,864	71	1,864	334	Q	87	100	47
Individual Space Heaters	819	819	56	334	819	4	87	127	32
District Heat	65	65	2	Q	4	65	Q	3	Q
Boilers	579	579	33	87	87	Q	579	61	Q
Packaged Heating Units	953	953	52	100	127	3	61	953	19
Other	205	205	16	47	32	Q	Q	19	205

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Table B38. Heating Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	4,645	3,982	476	1,864	819	65	579	953	205
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	1,006	963	36	675	171	Q	127	184	29
Heat Pumps	492	481	448	85	57	2	39	51	16
Packaged Heat Pumps	288	287	263	48	27	Q	22	37	Q
Split-System Heat Pumps	174	163	154	34	28	Q	10	14	Q
Individual Room Heat Pumps	58	58	57	9	9	Q	14	14	Q
Individual Air Conditioners	742	718	41	302	321	12	169	102	47
District Chilled Water	33	32	Q	Q	Q	24	5	5	Q
Central Chillers	111	106	11	9	12	14	73	20	10
Packaged Air Conditioning Units	1,613	1,539	68	689	255	7	207	738	55
Swamp Coolers	122	103	Q	65	36	Q	22	16	Q
Other	40	39	Q	Q	Q	Q	9	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	1,197	1,197	145	602	268	Q	179	288	49
Cooling	1,356	1,315	156	642	288	13	249	299	50
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	466	441	51	167	78	25	110	142	20
Economizer Cycle	508	497	68	155	83	21	133	186	25
HVAC Maintenance	2,581	2,491	334	1,167	375	59	468	650	104
Energy Management and Control System (EMCS)	252	245	52	43	39	17	72	85	17
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]									
Heating	2,878	2,878	336	1,385	648	30	396	695	143
Cooling	2,761	2,650	343	1,221	571	28	369	719	111
Lighting	3,685	3,397	402	1,649	685	49	481	800	156
Office Equipment	1,504	1,445	184	707	284	22	211	361	70

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 B39. Heating Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	64,783	60,028	8,814	19,615	12,545	5,166	20,423	18,021	3,262
Building Floorspace (Square Feet)									
1,001 to 5,000	6,789	5,668	685	2,902	1,047	Q	461	1,159	330
5,001 to 10,000	6,585	5,786	462	2,891	1,282	Q	773	1,599	Q
10,001 to 25,000	11,535	10,387	1,400	4,653	2,129	289	2,164	2,765	456
25,001 to 50,000	8,668	8,060	1,150	2,761	1,748	325	2,829	2,449	419
50,001 to 100,000	9,057	8,718	1,524	2,086	1,819	549	3,497	3,328	450
100,001 to 200,000	9,064	8,710	1,245	1,974	1,625	1,365	4,283	2,797	Q
200,001 to 500,000	7,176	6,907	1,295	1,456	1,313	1,010	3,844	2,156	514
Over 500,000	5,908	5,792	1,053	891	1,582	1,528	2,573	1,769	Q
Principal Building Activity									
Education	9,874	9,755	1,787	1,855	1,500	1,106	5,171	2,596	Q
Food Sales	1,255	1,131	Q	567	Q	N	Q	422	Q
Food Service	1,654	1,608	168	675	186	Q	328	591	Q
Health Care	3,163	3,100	641	786	600	410	1,857	942	Q
Inpatient	1,905	1,905	424	386	409	353	1,477	672	Q
Outpatient	1,258	1,195	217	400	191	Q	380	270	Q
Lodging	5,096	4,994	1,183	1,065	1,462	Q	2,773	1,356	Q
Retail (Other Than Mall)	4,317	4,075	444	2,049	667	Q	383	1,397	Q
Office	12,208	11,929	1,795	2,405	2,186	1,526	4,117	3,754	970
Public Assembly	3,939	3,777	409	1,028	677	530	1,421	879	Q
Public Order and Safety	1,090	1,083	Q	260	Q	Q	437	328	Q
Religious Worship	3,754	3,581	577	1,945	875	Q	1,148	733	Q
Service	4,050	3,687	457	1,974	1,010	Q	791	957	393
Warehouse and Storage	10,078	8,126	913	3,757	2,457	Q	1,031	3,118	Q
Other	1,738	1,691	Q	700	311	Q	546	498	Q
Vacant	2,567	1,491	Q	550	Q	Q	Q	Q	Q
Year Constructed									
Before 1920	3,769	3,667	Q	1,350	782	Q	1,926	390	Q
1920 to 1945	6,871	6,236	622	2,085	1,427	1,203	2,744	979	Q
1946 to 1959	7,045	6,534	848	2,475	1,442	661	3,081	1,422	Q
1960 to 1969	8,101	7,510	827	2,346	1,469	786	2,957	1,993	242
1970 to 1979	10,772	10,223	1,378	3,612	2,393	573	3,339	3,443	779
1980 to 1989	10,332	9,808	2,018	2,418	1,799	780	2,803	3,816	641
1990 to 1999	12,360	11,254	1,974	3,971	2,433	691	2,257	4,067	814
2000 to 2003	5,533	4,796	999	1,359	800	Q	1,316	1,911	401
Census Region									
Northeast	12,905	12,596	1,213	3,596	2,786	1,245	6,228	2,912	579
Midwest	17,080	16,331	1,058	7,229	4,169	1,623	6,141	3,666	820
South	23,489	20,998	4,942	5,715	3,608	1,683	4,393	8,130	1,381
West	11,310	10,102	1,600	3,075	1,981	615	3,662	3,312	481
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	10,622	10,109	727	4,587	3,014	801	4,060	2,126	816
5,500-7,000 HDD	17,335	16,720	1,471	6,411	3,582	1,749	6,835	3,708	674
4,000-5,499 HDD	11,504	11,239	1,971	2,648	2,524	1,266	4,693	3,204	497
Fewer than 4,000 HDD	15,739	13,965	3,283	4,313	2,569	918	3,334	5,619	525
2,000 CDD or More and --									
Fewer than 4,000 HDD	9,584	7,995	1,361	1,658	856	432	1,500	3,365	750

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Table B39. Heating Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	64,783	60,028	8,814	19,615	12,545	5,166	20,423	18,021	3,262
Number of Floors									
One	25,981	22,744	3,440	9,476	4,914	Q	3,267	8,267	1,236
Two	16,270	15,408	2,146	6,368	2,908	501	5,116	4,671	874
Three	7,501	7,198	1,139	2,231	1,709	385	3,856	1,822	Q
Four to Nine	10,085	9,744	1,146	1,054	2,087	2,350	5,793	1,987	426
Ten or More	4,947	4,933	943	Q	927	1,298	2,391	1,273	502
Number of Workers (main shift)									
Fewer than 5	15,492	12,182	1,196	5,347	2,782	Q	1,986	2,269	544
5 to 9	6,166	5,822	647	3,043	938	Q	1,140	1,571	Q
10 to 19	7,803	7,410	932	3,057	1,542	Q	1,884	2,209	394
20 to 49	10,989	10,822	1,460	3,814	2,364	653	3,588	3,526	799
50 to 99	7,934	7,650	1,398	1,899	1,628	460	3,556	2,835	372
100 to 249	6,871	6,766	1,513	1,290	1,300	972	3,401	2,736	Q
250 or More	9,528	9,376	1,668	1,165	1,991	2,063	4,869	2,874	808
Weekly Operating Hours									
Fewer than 40	6,863	5,246	550	2,374	1,106	Q	1,023	1,058	239
40 to 48	11,622	10,928	1,623	3,978	2,013	493	3,381	3,119	479
49 to 60	15,723	14,763	1,910	4,950	3,172	1,576	4,113	4,185	949
61 to 84	10,334	10,012	1,545	3,426	1,810	760	3,491	2,806	804
85 to 167	7,092	6,680	818	1,989	1,476	773	1,974	2,690	Q
Open Continuously	13,149	12,399	2,367	2,899	2,969	1,384	6,441	4,163	449
Multibuilding Facility									
Not Part of a Multibuilding Facility	40,048	37,438	4,995	14,226	7,979	1,144	11,924	12,056	1,874
College or University	3,480	3,456	324	Q	279	1,977	1,175	440	Q
Primary or Secondary School	3,947	3,910	911	818	637	Q	1,691	1,168	Q
Office Complex	2,712	2,665	455	212	626	Q	1,055	992	Q
Retail Complex	1,238	941	Q	422	271	N	Q	280	Q
Religious Campus or Complex	2,347	2,245	320	731	302	Q	988	406	Q
Health Care Complex	2,303	2,231	543	489	413	409	1,551	655	Q
Lodging or Resort Complex	912	830	251	Q	380	Q	356	302	Q
Government Complex	2,014	1,987	Q	319	273	Q	610	463	Q
Other	5,783	4,325	696	2,019	1,384	Q	1,024	1,259	568
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation Since 1980	17,844	17,204	2,367	5,768	4,345	1,644	8,140	5,138	548
Addition or Annex	6,551	6,439	1,187	2,481	1,627	435	3,417	1,982	Q
Reduction In Floorspace	1,012	1,012	Q	Q	Q	Q	698	Q	Q
Cosmetic Improvements	13,119	12,739	1,687	4,128	3,186	1,169	6,277	3,773	346
Wall or Roof Replacement	8,070	7,919	1,141	2,258	2,080	833	4,224	2,478	Q
Interior Wall Re-Configuration	8,518	8,385	1,144	2,539	2,330	1,007	4,470	2,668	Q
HVAC Equipment Upgrade	10,768	10,634	1,765	3,438	2,925	1,262	5,534	3,539	361
Lighting Upgrade	10,275	10,049	1,441	2,892	2,563	1,283	5,421	3,036	288
Window Replacement	6,354	6,157	788	1,973	1,680	686	3,361	1,763	Q
Plumbing System Upgrade	7,144	6,988	1,042	2,063	1,891	924	3,891	2,293	Q
Insulation Upgrade	4,015	3,974	516	1,664	1,192	351	1,735	1,526	Q
Other Renovation	523	497	Q	Q	Q	Q	302	Q	N
No Renovations Since 1980	18,714	16,967	1,456	6,100	3,167	1,862	5,907	3,089	859
Building Newer than 1980	28,225	25,857	4,991	7,747	5,032	1,660	6,376	9,794	1,856

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Table B39. Heating Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	64,783	60,028	8,814	19,615	12,545	5,166	20,423	18,021	3,262
Energy Sources (more than one may apply)									
Electricity	63,307	59,991	8,814	19,604	12,540	5,166	20,423	18,021	3,242
Natural Gas	43,468	42,974	5,552	15,304	8,969	2,291	18,174	13,618	1,801
Fuel Oil	15,157	14,942	2,417	3,330	3,236	1,592	8,930	3,862	1,095
District Heat	5,443	5,378	413	Q	605	5,166	Q	589	Q
District Chilled Water	2,853	2,734	Q	Q	Q	2,231	391	370	Q
Propane	7,076	6,790	944	2,831	1,968	Q	1,949	1,983	599
Other	1,401	1,399	Q	617	448	Q	613	296	405
Space-Heating Energy Sources (more than one may apply)									
Electricity	28,600	28,600	8,688	8,653	9,838	1,088	7,766	11,947	2,139
Natural Gas	36,959	36,959	4,643	14,562	7,947	486	16,417	12,283	1,524
Fuel Oil	5,988	5,988	295	1,827	1,438	Q	4,355	593	265
District Heat	5,198	5,198	413	Q	560	5,166	Q	528	Q
Propane	3,204	3,204	516	1,946	1,178	Q	761	833	443
Other	842	842	Q	435	317	N	286	Q	384
Primary Space-Heating Energy Source									
Electricity	15,996	15,996	4,812	3,655	3,736	Q	2,115	6,767	1,286
Natural Gas	32,970	32,970	3,430	13,476	6,907	Q	15,138	10,115	1,275
Fuel Oil	3,818	3,818	Q	1,153	739	N	2,714	Q	Q
District Heat	4,907	4,907	388	Q	533	4,875	Q	466	Q
Propane	1,955	1,955	Q	1,140	522	Q	Q	469	Q
Other	382	382	Q	Q	Q	N	Q	Q	Q
Energy End Uses (more than one may apply)									
Buildings with Space Heating	60,028	60,028	8,814	19,615	12,545	5,166	20,423	18,021	3,262
Buildings with Cooling	56,940	55,188	8,780	17,494	11,526	4,376	19,051	17,745	2,961
Buildings with Water Heating	56,478	55,154	8,390	17,920	11,659	4,354	19,904	16,821	3,031
Buildings with Cooking	22,237	21,725	4,202	5,351	4,804	1,747	11,586	7,112	868
Buildings with Manufacturing	3,138	3,072	293	1,486	1,087	Q	1,145	1,087	Q
Buildings with Electricity Generation	12,821	12,635	2,580	2,377	2,750	1,953	6,863	4,166	915
Percent of Floorspace Heated									
Not Heated	4,756	N	N	N	N	N	N	N	N
1 to 50	6,850	6,850	670	2,852	2,055	Q	792	2,390	279
51 to 99	8,107	8,107	1,497	2,597	1,943	631	3,110	2,546	476
100	45,071	45,071	6,647	14,165	8,547	4,509	16,521	13,085	2,507
Heating Equipment (more than one may apply)									
Heat Pumps	8,814	8,814	8,814	2,117	1,861	413	2,787	3,069	358
Packaged Heat Pumps	5,442	5,442	5,442	1,125	1,114	Q	1,699	2,236	Q
Split-System Heat Pumps	2,581	2,581	2,581	774	872	Q	622	717	Q
Individual Room Heat Pumps	2,691	2,691	2,691	592	594	Q	1,227	1,376	Q
Furnaces	19,615	19,615	2,117	19,615	4,858	Q	2,986	3,483	883
Individual Space Heaters	12,545	12,545	1,861	4,858	12,545	543	3,830	3,900	373
District Heat	5,166	5,166	413	Q	543	5,166	Q	512	Q
Boilers	20,423	20,423	2,787	2,986	3,830	Q	20,423	3,910	Q
Packaged Heating Units	18,021	18,021	3,069	3,483	3,900	512	3,910	18,021	482
Other	3,262	3,262	358	883	373	Q	Q	482	3,262

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Table B39. Heating Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)								
			Heating Equipment (more than one may apply)						
	All Buildings*	Heated Buildings	Heat Pumps	Furnaces	Individual Space Heaters	District Heat	Boilers	Packaged Heating Units	Other
All Buildings*	64,783	60,028	8,814	19,615	12,545	5,166	20,423	18,021	3,262
Cooling Equipment (more than one may apply)									
Residential-Type Central Air Conditioners	11,035	10,617	1,356	6,251	2,933	Q	3,352	2,812	495
Heat Pumps	9,041	8,921	8,366	2,111	1,774	404	2,919	3,065	381
Packaged Heat Pumps	5,426	5,407	5,174	1,128	1,054	Q	1,694	2,147	Q
Split-System Heat Pumps	2,606	2,559	2,452	761	840	Q	650	711	Q
Individual Room Heat Pumps	2,940	2,887	2,610	596	568	Q	1,336	1,453	Q
Individual Air Conditioners	12,558	12,167	2,049	4,077	4,558	758	5,926	3,722	579
District Chilled Water	2,853	2,734	Q	Q	Q	2,231	391	370	Q
Central Chillers	11,636	11,440	1,992	1,352	2,175	1,737	7,857	2,703	979
Packaged Air Conditioning Units	29,969	29,007	3,446	9,995	6,288	1,023	9,946	14,747	1,255
Swamp Coolers	1,561	1,451	Q	718	611	Q	620	347	Q
Other	1,232	1,203	Q	Q	Q	Q	596	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	16,403	16,403	2,455	6,420	4,563	Q	5,746	5,315	730
Cooling	20,995	20,633	3,375	6,935	4,979	917	9,022	6,277	912
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	19,597	19,108	2,747	3,619	3,962	2,886	9,385	5,938	1,192
Economizer Cycle	21,108	20,828	3,558	3,846	4,517	2,873	10,246	7,804	1,274
HVAC Maintenance	51,163	49,812	7,769	15,148	9,459	4,956	18,923	15,677	2,579
Energy Management and Control System (EMCS)	15,630	15,457	2,897	2,092	2,973	2,662	7,451	5,128	1,124
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]									
Heating	42,722	42,722	6,388	14,172	9,211	3,047	14,636	12,799	2,411
Cooling	43,205	41,977	6,693	13,252	8,795	3,273	14,480	13,342	2,336
Lighting	46,987	44,799	6,227	15,787	8,942	3,568	13,430	12,979	2,563
Office Equipment	19,397	18,638	2,508	7,119	3,604	1,313	5,788	4,887	990

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 B40. Cooling Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
			Cooling Equipment (more than one may apply)							
	All Build-ings*	Cooled Build-ings	Resid-ential-Type Central Air Condi-tioners	Heat Pumps	Indiv-idual Air Condi-tioners	District Chilled Water	Central Chillers	Pack-aged Air Condi-tioning Units	Swamp Coolers	Other
All Buildings*	4,645	3,625	1,006	492	742	33	111	1,613	122	40
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	1,841	581	260	383	Q	Q	678	58	Q
5,001 to 10,000	889	732	207	78	134	Q	Q	367	26	Q
10,001 to 25,000	738	629	140	87	114	Q	26	332	26	Q
25,001 to 50,000	241	216	47	33	62	6	19	119	Q	Q
50,001 to 100,000	129	118	19	20	27	5	24	67	Q	Q
100,001 to 200,000	65	60	8	8	16	6	17	32	Q	Q
200,001 to 500,000	25	23	4	4	4	2	10	13	Q	Q
Over 500,000	7	6	1	1	1	1	3	3	Q	Q
Principal Building Activity										
Education	386	352	59	63	87	14	36	139	Q	Q
Food Sales	226	210	36	Q	Q	N	N	107	Q	Q
Food Service	297	283	69	30	33	Q	Q	176	Q	Q
Health Care	129	129	47	22	8	1	8	57	Q	Q
Inpatient	8	8	1	Q	3	1	4	5	Q	Q
Outpatient	121	121	46	19	Q	Q	4	52	N	N
Lodging	142	130	23	25	71	Q	11	39	Q	Q
Retail (Other Than Mall)	443	406	95	50	82	Q	Q	200	Q	Q
Office	824	790	273	107	107	9	29	339	Q	15
Public Assembly	277	213	63	27	40	3	6	96	Q	Q
Public Order and Safety	71	61	Q	Q	20	Q	Q	27	Q	N
Religious Worship	370	308	102	57	74	Q	Q	138	Q	Q
Service	622	370	97	33	116	N	Q	136	Q	N
Warehouse and Storage	597	266	91	28	48	Q	Q	113	Q	Q
Other	79	57	Q	Q	Q	Q	4	27	Q	Q
Vacant	182	52	Q	Q	Q	Q	Q	18	Q	N
Year Constructed										
Before 1920	330	232	83	Q	82	Q	4	81	Q	Q
1920 to 1945	527	382	135	36	109	Q	8	147	Q	Q
1946 to 1959	562	430	115	48	124	4	11	180	Q	Q
1960 to 1969	579	467	112	50	130	4	22	201	Q	Q
1970 to 1979	731	609	157	77	121	5	24	294	35	Q
1980 to 1989	707	577	165	105	90	5	19	251	18	Q
1990 to 1999	876	695	184	122	72	8	16	334	19	Q
2000 to 2003	334	234	55	46	14	Q	8	125	Q	Q
Census Region										
Northeast	726	519	144	59	179	6	10	202	Q	Q
Midwest	1,266	957	363	49	209	4	29	425	Q	10
South	1,775	1,479	360	303	229	14	50	681	Q	12
West	878	671	138	81	125	9	22	304	113	Q
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	578	192	30	139	3	16	261	30	Q
5,500-7,000 HDD	1,173	882	241	81	226	4	27	374	Q	13
4,000-5,499 HDD	673	582	191	88	142	7	21	224	Q	Q
Fewer than 4,000 HDD	1,276	1,003	225	205	156	10	22	488	40	Q
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	580	158	89	79	9	25	266	Q	Q

Table B40. Cooling Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	4,645	3,625	1,006	492	742	33	111	1,613	122	40
Number of Floors										
One	3,136	2,340	623	344	418	10	24	1,061	73	Q
Two	1,031	864	264	103	185	6	30	384	38	16
Three	339	290	96	32	88	4	24	119	Q	Q
Four to Nine	128	120	22	10	48	11	25	44	Q	Q
Ten or More	12	12	1	3	3	1	7	5	Q	Q
Number of Workers (main shift)										
Fewer than 5	2,653	1,746	508	257	428	Q	Q	619	64	Q
5 to 9	778	725	240	89	110	Q	Q	345	Q	Q
10 to 19	563	523	146	57	93	Q	10	274	Q	Q
20 to 49	398	386	81	47	68	6	29	223	21	Q
50 to 99	147	139	19	22	25	7	20	92	Q	Q
100 to 249	77	76	9	15	14	6	22	44	Q	Q
250 or More	30	30	2	5	4	4	14	16	Q	1
Weekly Operating Hours										
Fewer than 40	1,002	595	198	104	125	Q	7	206	Q	Q
40 to 48	1,117	951	283	128	209	Q	21	384	24	Q
49 to 60	1,062	883	262	107	169	6	33	395	29	Q
61 to 84	591	521	136	68	90	6	18	248	Q	Q
85 to 167	400	338	56	28	46	7	9	222	Q	Q
Open Continuously	475	338	70	58	103	4	23	158	15	Q
Multibuilding Facility										
Not Part of a Multibuilding Facility	3,169	2,595	773	299	511	Q	50	1,207	85	18
College or University	83	73	Q	11	11	15	20	12	Q	Q
Primary or Secondary School	254	218	22	46	53	Q	18	87	Q	Q
Office Complex	111	104	32	21	Q	Q	3	43	Q	Q
Retail Complex	151	92	Q	Q	Q	N	Q	42	Q	Q
Religious Campus or Complex	195	171	50	35	39	Q	Q	78	Q	Q
Health Care Complex	39	39	12	7	6	1	6	20	Q	Q
Lodging or Resort Complex	61	58	Q	9	26	Q	Q	14	Q	Q
Government Complex	87	62	Q	Q	17	Q	5	27	Q	Q
Other	496	214	58	39	45	Q	2	84	Q	Q

Table B40. Cooling Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	4,645	3,625	1,006	492	742	33	111	1,613	122	40
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation Since 1980	1,018	872	243	107	236	7	40	399	35	8
Addition or Annex	256	242	79	34	75	2	12	117	Q	Q
Reduction In Floorspace	22	22	Q	Q	Q	Q	2	12	Q	Q
Cosmetic Improvements	741	644	172	81	170	5	29	321	22	6
Wall or Roof Replacement	370	309	84	37	84	2	14	145	Q	Q
Interior Wall Re-Configuration	411	362	96	36	97	4	20	176	Q	Q
HVAC Equipment Upgrade	442	405	116	56	98	4	28	206	16	Q
Lighting Upgrade	455	396	109	49	103	6	24	196	17	Q
Window Replacement	310	259	78	30	85	Q	11	123	Q	Q
Plumbing System Upgrade	315	271	74	31	81	2	12	124	Q	Q
Insulation Upgrade	227	187	68	19	50	Q	7	67	Q	Q
Other Renovation	19	17	Q	Q	Q	N	Q	Q	Q	N
No Renovations Since 1980	1,710	1,248	359	113	331	11	29	504	46	Q
Building Newer than 1980	1,917	1,506	404	273	175	14	42	710	41	16
Energy Sources (more than one may apply)										
Electricity	4,404	3,623	1,006	492	742	33	111	1,613	122	37
Natural Gas	2,391	2,153	652	176	392	17	78	1,116	78	16
Fuel Oil	451	298	82	21	132	3	27	116	10	6
District Heat	67	55	Q	2	13	25	15	8	Q	Q
District Chilled Water	33	33	Q	1	2	33	Q	4	Q	Q
Propane	502	399	118	39	139	Q	7	149	28	Q
Other	132	78	16	Q	24	Q	Q	32	Q	Q
Cooling Energy Sources (more than one may apply)										
Electricity	3,589	3,589	1,005	492	742	9	106	1,612	122	30
Natural Gas	17	17	Q	8	Q	Q	5	4	Q	Q
District Chilled Water	33	33	Q	1	2	33	Q	4	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	3,469	963	481	718	32	106	1,539	103	39
Buildings with Cooling	3,625	3,625	1,006	492	742	33	111	1,613	122	40
Buildings with Water Heating	3,472	3,112	868	406	631	31	109	1,430	115	33
Buildings with Cooking	801	743	172	103	166	6	41	417	41	8
Buildings with Manufacturing	119	92	26	12	19	Q	Q	45	Q	Q
Buildings with Electricity Generation	149	144	41	24	33	5	30	76	5	4
Percent of Floorspace Cooled										
Not Cooled	1,020	N	N	N	N	N	N	N	N	N
1 to 50	985	985	284	76	349	Q	9	348	36	Q
51 to 99	629	629	182	82	119	5	31	313	43	Q
100	2,011	2,011	540	335	274	27	72	952	43	22

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Table B40. Cooling Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	4,645	3,625	1,006	492	742	33	111	1,613	122	40
Heating Equipment (more than one may apply)										
Heat Pumps	476	469	36	448	41	Q	11	68	Q	Q
Packaged Heat Pumps	278	275	15	263	23	Q	6	50	Q	Q
Split-System Heat Pumps	166	163	25	154	18	Q	3	16	Q	Q
Individual Room Heat Pumps	58	58	6	57	10	Q	5	14	Q	Q
Furnaces	1,864	1,581	675	85	302	Q	9	689	65	Q
Individual Space Heaters	819	685	171	57	321	Q	12	255	36	Q
District Heat	65	53	Q	2	12	24	14	7	Q	Q
Boilers	579	485	127	39	169	5	73	207	22	9
Packaged Heating Units	953	932	184	51	102	5	20	738	16	Q
Other	205	154	29	16	47	Q	10	55	Q	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	1,006	1,006	1,006	31	99	Q	9	64	12	Q
Heat Pumps	492	492	31	492	39	1	13	61	Q	Q
Packaged Heat Pumps	288	288	11	288	21	Q	7	43	Q	Q
Split-System Heat Pumps	174	174	24	174	18	Q	4	15	Q	Q
Individual Room Heat Pumps	58	58	6	58	9	Q	5	14	Q	Q
Individual Air Conditioners	742	742	99	39	742	2	16	153	21	Q
District Chilled Water	33	33	Q	1	2	33	Q	4	Q	Q
Central Chillers	111	111	9	13	16	Q	111	22	Q	Q
Packaged Air Conditioning Units	1,613	1,613	64	61	153	4	22	1,613	34	8
Swamp Coolers	122	122	12	Q	21	Q	Q	34	122	Q
Other	40	40	Q	Q	Q	Q	Q	8	Q	40
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	1,197	1,054	314	145	241	Q	28	475	25	Q
Cooling	1,356	1,356	386	158	373	Q	36	573	54	Q
Lighting Equipment Types (more than one may apply)										
Incandescent	2,184	1,875	580	239	455	17	73	827	61	20
Standard Fluorescent	3,943	3,408	942	460	694	29	107	1,540	120	37
Compact Fluorescent	941	864	227	127	188	17	66	423	29	10
High Intensity Discharge	455	400	105	68	85	10	33	202	17	5
Halogen	565	504	139	85	112	4	34	263	22	10
Other	8	8	Q	Q	Q	Q	Q	Q	N	N
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	466	450	101	56	47	20	56	245	18	10
Economizer Cycle	508	508	82	72	50	18	62	326	33	5
HVAC Maintenance	2,581	2,328	625	338	368	32	104	1,157	91	26
Energy Management and Control System (EMCS)	252	248	31	51	29	17	51	117	Q	5

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Table B40. Cooling Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)									
			Cooling Equipment (more than one may apply)							
	All Build-ings*	Cooled Build-ings	Resid-ential-Type Central Air Condi-tioners	Heat Pumps	Indiv-idual Air Condi-tioners	District Chilled Water	Central Chillers	Pack-aged Air Condi-tioning Units	Swamp Coolers	Other
All Buildings*	4,645	3,625	1,006	492	742	33	111	1,613	122	40
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]										
Heating	2,878	2,512	692	346	515	18	70	1,135	79	22
Cooling	2,761	2,761	760	359	596	20	73	1,241	98	18
Lighting	3,685	3,122	891	412	606	25	81	1,390	103	27
Office Equipment	1,504	1,367	432	181	272	11	35	582	27	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 B41. Cooling Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	64,783	56,940	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,232
Building Floorspace (Square Feet)										
1,001 to 5,000	6,789	5,007	1,568	675	972	Q	Q	1,957	179	Q
5,001 to 10,000	6,585	5,408	1,523	563	1,012	Q	Q	2,741	207	Q
10,001 to 25,000	11,535	9,922	2,173	1,441	1,740	Q	456	5,260	378	Q
25,001 to 50,000	8,668	7,776	1,683	1,155	2,301	240	729	4,264	Q	Q
50,001 to 100,000	9,057	8,331	1,388	1,440	1,958	332	1,722	4,732	Q	Q
100,001 to 200,000	9,064	8,339	993	1,158	2,259	793	2,366	4,504	Q	Q
200,001 to 500,000	7,176	6,565	1,136	1,273	1,223	495	3,023	3,834	Q	Q
Over 500,000	5,908	5,591	569	1,334	1,095	822	3,278	2,678	Q	Q
Principal Building Activity										
Education	9,874	9,200	1,263	1,674	2,607	768	2,714	4,318	Q	Q
Food Sales	1,255	1,198	173	Q	Q	N	N	784	Q	Q
Food Service	1,654	1,583	468	217	234	Q	Q	988	Q	Q
Health Care	3,163	3,157	704	625	694	297	1,524	1,694	Q	Q
Inpatient	1,905	1,899	321	412	607	279	1,348	1,108	Q	Q
Outpatient	1,258	1,258	384	213	Q	Q	176	585	N	N
Lodging	5,096	4,841	1,102	1,172	2,306	Q	1,401	2,003	Q	Q
Retail (Other Than Mall)	4,317	4,079	624	471	564	Q	Q	2,723	Q	Q
Office	12,208	12,032	1,669	1,854	1,201	730	3,839	6,171	Q	439
Public Assembly	3,939	3,477	532	473	951	458	423	1,684	Q	Q
Public Order and Safety	1,090	1,043	Q	Q	372	Q	Q	438	Q	N
Religious Worship	3,754	3,301	946	612	847	Q	Q	1,849	Q	Q
Service	4,050	3,261	1,071	496	802	N	Q	1,466	Q	N
Warehouse and Storage	10,078	7,295	1,861	981	1,440	Q	Q	4,453	Q	Q
Other	1,738	1,636	Q	Q	Q	Q	505	881	Q	Q
Vacant	2,567	836	Q	Q	Q	Q	Q	517	Q	N
Year Constructed										
Before 1920	3,769	2,891	722	Q	1,278	Q	392	1,198	Q	Q
1920 to 1945	6,871	4,919	1,573	653	1,534	Q	1,063	2,847	Q	Q
1946 to 1959	7,045	6,045	1,175	888	2,594	359	891	3,023	Q	Q
1960 to 1969	8,101	7,125	1,421	794	1,888	446	1,776	3,596	Q	Q
1970 to 1979	10,772	9,973	1,961	1,392	2,065	456	2,323	5,400	483	Q
1980 to 1989	10,332	9,836	1,397	2,055	1,342	531	2,801	4,855	324	Q
1990 to 1999	12,360	11,304	2,066	2,038	1,366	804	1,426	6,264	252	Q
2000 to 2003	5,533	4,848	720	1,064	492	Q	963	2,787	Q	Q
Census Region										
Northeast	12,905	10,954	2,391	1,270	3,687	620	1,852	6,000	Q	Q
Midwest	17,080	14,484	3,609	1,063	3,488	596	2,842	8,086	Q	330
South	23,489	21,553	3,854	4,923	3,635	1,150	4,854	10,401	Q	430
West	11,310	9,950	1,181	1,785	1,749	487	2,088	5,482	1,342	Q
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	10,622	8,550	1,971	739	2,321	350	1,604	4,565	515	Q
5,500-7,000 HDD	17,335	14,524	3,078	1,542	3,633	698	2,658	7,740	468	336
4,000-5,499 HDD	11,504	10,946	2,207	1,998	2,786	514	2,473	6,076	Q	Q
Fewer than 4,000 HDD	15,739	13,977	2,056	3,398	2,565	659	2,695	7,703	346	Q
2,000 CDD or More and --										
Fewer than 4,000 HDD	9,584	8,943	1,723	1,365	1,253	633	2,205	3,884	Q	Q

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Table B41. Cooling Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	64,783	56,940	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,232
Number of Floors										
One	25,981	21,419	4,674	3,598	3,899	259	864	12,208	733	Q
Two	16,270	14,544	3,178	2,160	3,035	302	2,017	8,436	474	330
Three	7,501	6,437	1,190	1,118	2,004	262	1,433	3,189	Q	Q
Four to Nine	10,085	9,673	1,656	1,122	2,735	1,458	3,874	4,208	Q	Q
Ten or More	4,947	4,867	338	1,043	885	571	3,447	1,927	Q	Q
Number of Workers (main shift)										
Fewer than 5	15,492	9,591	2,630	1,303	2,342	Q	Q	3,964	349	Q
5 to 9	6,166	5,726	1,461	696	1,144	Q	Q	3,025	Q	Q
10 to 19	7,803	7,304	2,035	862	1,608	Q	294	4,059	Q	Q
20 to 49	10,989	10,566	2,129	1,485	2,680	327	1,243	5,941	410	Q
50 to 99	7,934	7,428	1,097	1,339	1,710	505	1,736	4,517	Q	Q
100 to 249	6,871	6,806	776	1,427	1,328	583	2,436	3,939	Q	Q
250 or More	9,528	9,519	906	1,929	1,746	1,219	5,590	4,524	Q	250
Weekly Operating Hours										
Fewer than 40	6,863	3,998	1,046	639	854	Q	267	1,758	Q	Q
40 to 48	11,622	10,508	2,414	1,542	2,362	Q	1,427	5,342	219	Q
49 to 60	15,723	13,757	2,603	1,971	2,723	658	2,636	7,124	319	Q
61 to 84	10,334	9,691	1,757	1,572	1,649	347	1,800	5,226	Q	Q
85 to 167	7,092	6,708	1,104	797	1,072	604	983	4,101	Q	Q
Open Continuously	13,149	12,277	2,110	2,519	3,897	753	4,523	6,417	418	357
Multibuilding Facility										
Not Part of a Multibuilding Facility	40,048	35,976	7,374	5,294	7,718	Q	6,043	20,580	1,009	542
College or University	3,480	3,277	Q	329	492	1,221	1,310	590	Q	Q
Primary or Secondary School	3,947	3,560	402	828	887	Q	1,077	1,687	Q	Q
Office Complex	2,712	2,591	336	451	Q	Q	502	1,473	Q	Q
Retail Complex	1,238	919	Q	Q	Q	N	Q	603	Q	Q
Religious Campus or Complex	2,347	2,089	806	340	487	Q	Q	1,267	Q	Q
Health Care Complex	2,303	2,295	435	537	686	297	1,316	1,129	Q	Q
Lodging or Resort Complex	912	907	Q	251	548	Q	Q	264	Q	Q
Government Complex	2,014	1,509	Q	Q	436	Q	405	682	Q	Q
Other	5,783	3,816	953	689	895	Q	570	1,693	Q	Q

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Table B41. Cooling Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	64,783	56,940	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,232
Renovations in Buildings Constructed Before 1980 (more than one may apply)										
Any Type of Renovation Since 1980	17,844	16,221	3,225	2,431	5,220	705	4,243	9,203	555	441
Addition or Annex	6,551	6,173	1,367	1,257	2,236	339	1,696	3,971	Q	Q
Reduction In Floorspace	1,012	1,012	Q	Q	Q	Q	428	664	Q	Q
Cosmetic Improvements	13,119	12,360	2,479	1,646	4,194	476	3,474	7,255	335	252
Wall or Roof Replacement	8,070	7,607	1,257	1,160	2,540	298	2,385	4,590	Q	Q
Interior Wall Re-Configuration	8,518	8,096	1,452	1,147	2,460	445	2,607	5,263	Q	Q
HVAC Equipment Upgrade	10,768	10,341	1,968	1,815	3,196	537	3,417	6,158	393	Q
Lighting Upgrade	10,275	9,718	1,914	1,452	3,133	527	3,052	5,762	353	Q
Window Replacement	6,354	5,875	1,162	782	2,521	Q	1,541	3,678	Q	Q
Plumbing System Upgrade	7,144	6,728	1,164	1,056	2,442	299	2,165	4,170	Q	Q
Insulation Upgrade	4,015	3,801	966	547	995	Q	983	2,326	Q	Q
Other Renovation	523	444	Q	Q	Q	N	Q	Q	Q	N
No Renovations Since 1980	18,714	14,732	3,626	1,452	4,138	707	2,202	6,861	414	Q
Building Newer than 1980	28,225	25,987	4,184	5,157	3,200	1,441	5,191	13,905	592	454
Energy Sources (more than one may apply)										
Electricity	63,307	56,925	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,217
Natural Gas	43,468	41,023	7,982	5,832	9,114	1,765	9,100	23,806	1,265	808
Fuel Oil	15,157	13,890	2,323	2,520	4,220	986	6,049	6,860	354	505
District Heat	5,443	4,653	Q	404	900	2,311	1,837	1,162	Q	Q
District Chilled Water	2,853	2,853	Q	251	439	2,853	Q	511	Q	Q
Propane	7,076	5,713	1,299	1,072	2,111	Q	754	3,083	299	Q
Other	1,401	1,225	255	Q	370	Q	361	602	Q	Q
Cooling Energy Sources (more than one may apply)										
Electricity	54,321	54,321	10,946	9,030	12,558	924	11,054	29,756	1,561	1,091
Natural Gas	1,018	1,018	Q	325	Q	Q	782	554	Q	Q
District Chilled Water	2,853	2,853	Q	251	439	2,853	Q	511	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	60,028	55,188	10,617	8,921	12,167	2,734	11,440	29,007	1,451	1,203
Buildings with Cooling	56,940	56,940	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,232
Buildings with Water Heating	56,478	53,232	10,156	8,586	11,642	2,655	11,589	28,255	1,526	1,198
Buildings with Cooking	22,237	21,451	4,013	4,239	6,186	1,274	7,320	11,986	678	584
Buildings with Manufacturing	3,138	2,655	690	286	596	Q	Q	1,701	Q	Q
Buildings with Electricity Generation	12,821	12,746	1,704	2,608	2,656	1,272	6,047	6,587	304	529
Percent of Floorspace Cooled										
Not Cooled	7,843	N	N	N	N	N	N	N	N	N
1 to 50	16,598	16,598	4,453	1,573	5,424	Q	462	8,900	489	Q
51 to 99	13,211	13,211	2,332	2,334	3,170	829	4,304	7,331	522	261
100	27,132	27,132	4,250	5,134	3,964	1,985	6,870	13,738	550	766

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Table B41. Cooling Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	64,783	56,940	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,232
Heating Equipment (more than one may apply)										
Heat Pumps	8,814	8,780	1,356	8,366	2,049	Q	1,992	3,446	Q	Q
Packaged Heat Pumps	5,442	5,430	800	5,174	1,373	Q	1,310	2,526	Q	Q
Split-System Heat Pumps	2,581	2,559	901	2,452	589	Q	592	783	Q	Q
Individual Room Heat Pumps	2,691	2,691	478	2,610	963	Q	917	1,346	Q	Q
Furnaces	19,615	17,494	6,251	2,111	4,077	Q	1,352	9,995	718	Q
Individual Space Heaters	12,545	11,526	2,933	1,774	4,558	Q	2,175	6,288	611	Q
District Heat	5,166	4,376	Q	404	758	2,231	1,737	1,023	Q	Q
Boilers	20,423	19,051	3,352	2,919	5,926	391	7,857	9,946	620	596
Packaged Heating Units	18,021	17,745	2,812	3,065	3,722	370	2,703	14,747	347	Q
Other	3,262	2,961	495	381	579	Q	979	1,255	Q	Q
Cooling Equipment (more than one may apply)										
Residential-Type Central Air Conditioners	11,035	11,035	11,035	1,319	2,195	Q	1,342	3,057	211	Q
Heat Pumps	9,041	9,041	1,319	9,041	2,139	251	2,050	3,472	Q	Q
Packaged Heat Pumps	5,426	5,426	772	5,426	1,301	Q	1,258	2,442	Q	Q
Split-System Heat Pumps	2,606	2,606	914	2,606	632	Q	648	799	Q	Q
Individual Room Heat Pumps	2,940	2,940	471	2,940	1,052	Q	1,018	1,456	Q	Q
Individual Air Conditioners	12,558	12,558	2,195	2,139	12,558	439	1,896	5,678	436	Q
District Chilled Water	2,853	2,853	Q	251	439	2,853	Q	511	Q	Q
Central Chillers	11,636	11,636	1,342	2,050	1,896	Q	11,636	3,759	Q	Q
Packaged Air Conditioning Units	29,969	29,969	3,057	3,472	5,678	511	3,759	29,969	627	407
Swamp Coolers	1,561	1,561	211	Q	436	Q	Q	627	1,561	Q
Other	1,232	1,232	Q	Q	Q	Q	Q	407	Q	1,232
Main Equipment Replaced Since 1990 (more than one may apply)										
Heating	16,403	15,190	3,284	2,370	4,138	Q	2,388	8,431	488	Q
Cooling	20,995	20,995	4,305	3,352	6,419	Q	4,495	10,995	716	Q
Lighting Equipment Types (more than one may apply)										
Incandescent	38,528	36,075	7,231	6,153	9,229	1,768	9,518	18,592	1,019	798
Standard Fluorescent	59,688	55,117	10,670	8,862	12,036	2,784	11,452	29,192	1,528	1,199
Compact Fluorescent	27,571	26,790	4,684	5,151	6,158	1,909	9,374	13,867	622	781
High Intensity Discharge	20,643	19,054	3,627	4,048	4,427	1,040	6,081	10,844	583	490
Halogen	17,703	17,115	3,026	3,522	4,280	725	5,888	9,955	508	556
Other	269	269	Q	Q	Q	Q	Q	Q	N	N
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	19,597	19,255	2,264	2,885	3,081	1,923	8,288	9,973	322	569
Economizer Cycle	21,108	21,108	2,559	3,708	3,267	1,930	8,488	12,414	528	438
HVAC Maintenance	51,163	47,935	8,670	7,946	9,884	2,795	11,430	26,294	1,323	1,167
Energy Management and Control System (EMCS)	15,630	15,358	1,632	2,852	2,191	1,771	7,114	7,308	238	418

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Table B41. Cooling Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)									
			Cooling Equipment (more than one may apply)							
	All Buildings*	Cooled Buildings	Residential-Type Central Air Conditioners	Heat Pumps	Individual Air Conditioners	District Chilled Water	Central Chillers	Packaged Air Conditioning Units	Swamp Coolers	Other
All Buildings*	64,783	56,940	11,035	9,041	12,558	2,853	11,636	29,969	1,561	1,232
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]										
Heating	42,722	39,864	7,513	6,400	8,005	1,924	8,425	21,316	1,062	739
Cooling	43,205	43,205	8,376	6,789	8,952	2,264	8,619	22,962	1,148	748
Lighting	46,987	42,589	8,500	6,285	8,293	1,976	6,814	22,584	1,111	790
Office Equipment	19,397	17,749	3,912	2,441	4,170	751	2,242	9,069	289	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 B42. Water Heating Equipment, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Type of Water Heating Equipment					Type of Water Heating Equipment		
	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems
All Buildings*	4,645	3,472	2,513	785	175	64,783	56,478	34,671	11,540	10,267
Building Floorspace (Square Feet)										
1,001 to 5,000	2,552	1,715	1,267	418	Q	6,789	4,759	3,452	1,206	Q
5,001 to 10,000	889	725	557	150	Q	6,585	5,348	4,154	1,057	Q
10,001 to 25,000	738	607	429	133	44	11,535	9,562	6,649	2,205	708
25,001 to 50,000	241	217	144	43	31	8,668	7,734	5,130	1,524	1,081
50,001 to 100,000	129	119	70	27	22	9,057	8,412	5,020	1,853	1,538
100,001 to 200,000	65	60	31	11	18	9,064	8,300	4,214	1,702	2,384
200,001 to 500,000	25	23	13	3	7	7,176	6,680	3,584	900	2,196
Over 500,000	7	6	3	1	2	5,908	5,683	2,469	1,093	2,121
Principal Building Activity										
Education	386	298	184	81	34	9,874	9,481	5,343	1,766	2,372
Food Sales	226	186	148	Q	Q	1,255	1,130	844	Q	Q
Food Service	297	297	237	46	Q	1,654	1,654	1,291	226	Q
Health Care	129	127	103	14	9	3,163	3,160	2,001	247	912
Inpatient	8	8	4	Q	3	1,905	1,905	1,041	Q	755
Outpatient	121	119	100	Q	Q	1,258	1,255	960	Q	Q
Lodging	142	142	110	16	16	5,096	5,096	3,660	302	1,135
Retail (Other Than Mall)	443	314	227	77	Q	4,317	3,459	2,240	902	Q
Office	824	733	533	166	34	12,208	11,804	6,899	2,237	2,667
Public Assembly	277	227	165	54	7	3,939	3,632	2,380	932	320
Public Order and Safety	71	70	59	Q	Q	1,090	957	663	Q	Q
Religious Worship	370	315	221	78	16	3,754	3,512	2,352	835	325
Service	622	418	281	126	Q	4,050	3,320	1,989	1,025	Q
Warehouse and Storage	597	243	167	68	7	10,078	6,624	3,366	2,359	900
Other	79	55	36	Q	6	1,738	1,630	908	Q	494
Vacant	182	47	39	Q	Q	2,567	1,020	734	Q	Q
Year Constructed										
Before 1920	330	266	193	65	8	3,769	3,353	2,102	810	442
1920 to 1945	527	367	255	89	23	6,871	5,292	3,251	1,130	912
1946 to 1959	562	416	302	93	20	7,045	5,924	3,536	1,282	1,106
1960 to 1969	579	444	317	106	21	8,101	7,202	4,446	1,604	1,152
1970 to 1979	731	582	446	109	27	10,772	9,787	6,608	1,383	1,796
1980 to 1989	707	531	389	120	22	10,332	9,420	5,489	1,883	2,048
1990 to 1999	876	642	446	155	41	12,360	10,816	6,203	2,677	1,937
2000 to 2003	334	224	165	48	12	5,533	4,683	3,037	771	875

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Table B42. Water Heating Equipment, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Type of Water Heating Equipment					Type of Water Heating Equipment		
	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems
All Buildings*	4,645	3,472	2,513	785	175	64,783	56,478	34,671	11,540	10,267
Census Region and Division										
Northeast	726	600	480	97	22	12,905	11,789	7,770	2,325	1,695
New England	233	188	154	29	5	2,964	2,724	1,839	Q	375
Middle Atlantic	493	411	326	68	18	9,941	9,065	5,930	1,815	1,319
Midwest	1,266	987	698	241	48	17,080	14,928	9,724	2,670	2,534
East North Central	696	572	389	159	25	11,595	10,208	6,695	1,750	1,763
West North Central	571	415	310	82	23	5,485	4,720	3,029	920	771
South	1,775	1,217	854	304	60	23,489	19,913	11,537	4,564	3,812
South Atlantic	874	643	455	153	35	12,258	10,714	5,649	2,432	2,633
East South Central	348	227	174	38	14	3,393	2,858	1,890	469	499
West South Central	553	347	224	113	10	7,837	6,341	3,998	1,664	679
West	878	668	480	143	45	11,310	9,848	5,640	1,981	2,227
Mountain	299	256	189	46	21	3,675	3,422	1,928	566	928
Pacific	580	413	291	97	24	7,635	6,426	3,712	1,415	1,299
Climate Zone: 30-Year Average										
Under 2,000 CDD and --										
More than 7,000 HDD	855	683	543	107	34	10,622	9,474	6,315	1,468	1,691
5,500-7,000 HDD	1,173	926	647	225	54	17,335	15,160	9,553	2,954	2,654
4,000-5,499 HDD	673	554	405	121	28	11,504	10,785	6,774	2,015	1,996
Fewer than 4,000 HDD	1,276	883	635	208	40	15,739	13,192	7,444	3,009	2,739
2,000 CDD or More and --										
Fewer than 4,000 HDD	669	426	284	125	18	9,584	7,867	4,585	2,094	1,187
Number of Floors										
One	3,136	2,134	1,542	511	81	25,981	20,164	13,206	4,825	2,134
Two	1,031	899	645	210	44	16,270	14,914	8,809	3,882	2,224
Three	339	304	228	52	24	7,501	6,915	4,353	1,268	1,294
Four to Nine	128	124	92	11	21	10,085	9,688	5,826	1,111	2,751
Ten or More	12	11	6	1	4	4,947	4,796	2,477	454	1,865
Number of Workers (main shift)										
Fewer than 5	2,653	1,653	1,204	420	29	15,492	9,525	6,885	2,417	224
5 to 9	778	675	509	137	29	6,166	5,393	4,019	1,095	279
10 to 19	563	514	390	103	21	7,803	7,182	5,224	1,391	567
20 to 49	398	384	265	78	41	10,989	10,480	6,210	2,827	1,442
50 to 99	147	142	89	29	24	7,934	7,688	4,468	1,408	1,812
100 to 249	77	75	43	14	18	6,871	6,815	3,679	1,090	2,046
250 or More	30	30	13	3	13	9,528	9,395	4,186	1,312	3,897
Weekly Operating Hours										
Fewer than 40	1,002	580	421	148	11	6,863	4,305	2,952	1,144	209
40 to 48	1,117	856	583	247	26	11,622	9,989	5,995	2,945	1,050
49 to 60	1,062	845	585	200	60	15,723	13,564	7,404	3,538	2,622
61 to 84	591	506	397	80	29	10,334	9,477	6,321	1,416	1,740
85 to 167	400	330	259	52	19	7,092	6,635	4,288	1,173	1,174
Open Continuously	475	356	268	58	30	13,149	12,508	7,712	1,324	3,473

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Table B42. Water Heating Equipment, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Type of Water Heating Equipment					Type of Water Heating Equipment		
	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems
All Buildings*	4,645	3,472	2,513	785	175	64,783	56,478	34,671	11,540	10,267
Multibuilding Facility										
Not Part of a Multibuilding Facility	3,169	2,505	1,882	517	107	40,048	35,302	22,726	6,725	5,851
College or University	83	64	45	10	9	3,480	3,372	2,303	410	659
Primary or Secondary School	254	169	92	58	18	3,947	3,607	1,898	1,001	707
Office Complex	111	101	67	23	11	2,712	2,541	1,177	554	809
Retail Complex	151	87	64	Q	Q	1,238	855	483	Q	Q
Religious Campus or Complex	195	169	126	33	Q	2,347	2,206	1,562	406	Q
Health Care Complex	39	37	27	Q	6	2,303	2,294	1,252	Q	843
Lodging or Resort Complex	61	60	50	Q	Q	912	909	652	Q	Q
Government Complex	87	60	40	17	Q	2,014	1,348	807	408	Q
Other	496	222	119	96	6	5,783	4,044	1,810	1,526	708
Energy Sources (more than one may apply)										
Electricity	4,404	3,470	2,511	785	175	63,307	56,463	34,656	11,540	10,267
Natural Gas	2,391	2,126	1,560	438	128	43,468	41,134	25,353	7,559	8,222
Fuel Oil	451	376	290	61	26	15,157	14,560	8,411	2,183	3,965
District Heat	67	61	43	5	12	5,443	4,631	2,671	483	1,477
District Chilled Water	33	31	19	4	8	2,853	2,655	1,518	429	709
Propane	502	428	321	86	20	7,076	6,292	3,626	1,413	1,253
Other	132	95	67	25	Q	1,401	1,306	849	242	Q
Water-Heating Energy Sources (more than one may apply)										
Electricity	1,910	1,910	1,265	550	94	27,490	27,490	14,245	7,842	5,404
Natural Gas	1,445	1,445	1,103	240	102	28,820	28,820	17,917	4,435	6,468
Fuel Oil	94	94	91	Q	2	1,880	1,880	1,591	Q	248
District Heat	27	27	22	Q	3	3,088	3,088	2,073	Q	859
Propane	128	128	98	Q	Q	1,422	1,422	973	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	3,982	3,337	2,423	743	171	60,028	55,154	33,965	11,021	10,167
Buildings with Cooling	3,625	3,112	2,266	675	171	56,940	53,232	32,513	10,654	10,065
Buildings with Water Heating	3,472	3,472	2,513	785	175	56,478	56,478	34,671	11,540	10,267
Buildings with Cooking	801	787	595	122	69	22,237	21,914	12,932	3,163	5,819
Buildings with Manufacturing	119	102	63	27	12	3,138	2,987	1,053	1,065	869
Buildings with Electricity Generation	149	143	105	15	23	12,821	12,612	7,062	1,566	3,984

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Table B42. Water Heating Equipment, Number of Buildings and Floorspace for Non-Mall Buildings, 2003

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
			Type of Water Heating Equipment					Type of Water Heating Equipment		
	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems	All Buildings*	Buildings with Water Heating	Centralized System	Distributed System	Combination Centralized and Distributed Systems
All Buildings*	4,645	3,472	2,513	785	175	64,783	56,478	34,671	11,540	10,267
Energy-Related Space Functions (more than one may apply)										
Commercial Food Preparation	799	785	593	122	69	22,223	21,901	12,919	3,163	5,819
Activities with Large Amounts of Hot Water	567	567	415	80	72	19,482	19,482	11,127	2,679	5,676
Separate Computer Area	553	516	348	105	63	26,873	26,129	14,844	4,200	7,085

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 B43. Lighting Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Building Floorspace (Square Feet)							
1,001 to 5,000	2,552	2,261	1,070	2,068	382	101	205
5,001 to 10,000	889	821	416	772	148	88	107
10,001 to 25,000	738	716	412	665	189	105	123
25,001 to 50,000	241	231	145	223	102	60	55
50,001 to 100,000	129	126	75	123	60	51	37
100,001 to 200,000	65	63	43	62	38	32	25
200,001 to 500,000	25	24	17	24	16	13	10
Over 500,000	7	6	5	6	5	4	4
Principal Building Activity							
Education	386	384	132	368	97	59	39
Food Sales	226	221	78	217	35	Q	Q
Food Service	297	296	203	282	105	20	65
Health Care	129	129	82	129	43	10	19
Inpatient	8	8	7	8	7	4	4
Outpatient	121	121	75	121	37	6	15
Lodging	142	142	117	121	68	17	33
Retail (Other Than Mall)	443	442	191	427	67	35	60
Office	824	824	426	791	212	63	96
Public Assembly	277	264	170	243	59	39	37
Public Order and Safety	71	68	47	66	22	Q	Q
Religious Worship	370	370	289	327	87	17	58
Service	622	582	231	536	69	86	51
Warehouse and Storage	597	414	156	342	55	74	59
Other	79	73	38	65	17	10	11
Vacant	182	38	23	28	Q	Q	Q
Year Constructed							
Before 1920	330	303	229	272	75	17	55
1920 to 1945	527	476	276	447	113	34	48
1946 to 1959	562	517	294	491	110	55	62
1960 to 1969	579	553	295	517	111	45	51
1970 to 1979	731	688	362	651	151	81	83
1980 to 1989	707	652	294	598	136	65	76
1990 to 1999	876	781	327	726	177	116	128
2000 to 2003	334	278	109	242	69	42	63
Census Region and Division							
Northeast	726	690	375	646	172	70	90
New England	233	223	135	200	71	18	32
Middle Atlantic	493	467	240	446	101	52	58
Midwest	1,266	1,137	722	1,054	257	161	154
East North Central	696	641	380	603	150	103	98
West North Central	571	495	342	451	106	58	56
South	1,775	1,584	707	1,447	275	147	209
South Atlantic	874	811	330	740	136	82	119
East South Central	348	287	144	273	53	20	22
West South Central	553	485	232	435	86	44	69
West	878	838	381	796	238	77	113
Mountain	299	280	165	275	68	23	29
Pacific	580	558	216	522	170	54	83

Table B43. Lighting Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	855	765	491	710	215	115	118
5,500-7,000 HDD	1,173	1,096	621	1,023	232	124	133
4,000-5,499 HDD	673	630	381	591	152	75	88
Fewer than 4,000 HDD	1,276	1,155	431	1,074	239	88	141
2,000 CDD or More and --							
Fewer than 4,000 HDD	669	601	259	546	103	53	85
Number of Floors							
One	3,136	2,793	1,191	2,583	456	260	278
Two	1,031	991	628	916	295	116	186
Three	339	326	254	310	108	41	53
Four to Nine	128	127	102	122	71	32	42
Ten or More	12	12	10	11	10	6	7
Number of Workers (main shift)							
Fewer than 5	2,653	2,261	1,114	2,028	322	140	196
5 to 9	778	774	395	734	182	77	104
10 to 19	563	562	266	546	149	63	90
20 to 49	398	397	245	387	156	90	100
50 to 99	147	147	87	144	65	41	36
100 to 249	77	77	55	75	44	28	25
250 or More	30	30	22	29	22	15	15
Weekly Operating Hours							
Fewer than 40	1,002	756	409	673	103	48	66
40 to 48	1,117	1,095	509	1,032	217	91	106
49 to 60	1,062	1,047	500	990	236	116	155
61 to 84	591	580	314	557	141	92	103
85 to 167	400	370	192	353	106	58	63
Open Continuously	475	399	261	338	137	50	73
Vacancy Status							
Completely Vacant	157	24	Q	18	Q	Q	Q
Mostly Vacant	25	Q	Q	Q	Q	Q	Q
Partially Vacant	548	479	259	431	124	54	67
Not At All Vacant	3,915	3,731	1,903	3,484	813	394	492
Multibuilding Facility							
Not Part of a Multibuilding Facility	3,169	2,963	1,566	2,805	648	297	405
College or University	83	83	40	78	45	12	10
Primary or Secondary School	254	251	64	234	47	33	14
Office Complex	111	109	66	103	27	13	14
Retail Complex	151	131	52	116	Q	16	28
Religious Campus or Complex	195	192	126	167	51	11	33
Health Care Complex	39	39	28	39	15	6	7
Lodging or Resort Complex	61	58	45	48	21	Q	7
Government Complex	87	78	42	72	24	8	Q
Other	496	346	155	282	53	57	43

Table B43. Lighting Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Renovations in Buildings Constructed Before 1980 (more than one may apply)							
Any Type of Renovation Since 1980	1,018	988	616	928	260	116	163
Addition or Annex	256	255	170	245	67	45	65
Reduction In Floorspace	22	22	16	22	9	9	8
Cosmetic Improvements	741	723	476	675	206	80	125
Wall or Roof Replacement	370	357	239	327	121	56	62
Interior Wall Re-Configuration	411	400	273	375	135	57	89
HVAC Equipment Upgrade	442	432	299	414	156	85	101
Lighting Upgrade	455	444	303	414	157	73	89
Window Replacement	310	297	196	282	113	55	57
Plumbing System Upgrade	315	309	200	291	113	54	62
Insulation Upgrade	227	218	143	201	74	33	33
Other Renovation	19	19	13	18	10	Q	Q
No Renovations Since 1980	1,710	1,549	839	1,449	300	117	136
Building Newer than 1980	1,917	1,711	729	1,566	381	222	267
Energy Sources (more than one may apply)							
Electricity	4,404	4,248	2,184	3,943	941	455	565
Natural Gas	2,391	2,353	1,332	2,244	640	334	369
Fuel Oil	451	442	272	422	113	66	80
District Heat	67	66	41	61	37	18	12
District Chilled Water	33	33	17	29	17	10	4
Propane	502	492	291	460	107	57	67
Other	132	120	52	118	36	19	14
Energy End Uses (more than one may apply)							
Buildings with Space Heating	3,982	3,896	2,055	3,671	900	431	525
Buildings with Cooling	3,625	3,584	1,875	3,408	864	400	504
Buildings with Water Heating	3,472	3,423	1,886	3,242	864	415	505
Buildings with Cooking	801	799	534	769	294	116	166
Buildings with Manufacturing	119	118	58	112	32	32	21
Buildings with Electricity Generation	149	149	103	147	81	46	51
Percent Lit When Open							
Zero	47	Q	Q	Q	Q	Q	Q
1 to 50	929	929	506	814	202	61	99
51 to 99	1,108	1,108	673	1,053	290	147	174
100	2,176	2,176	990	2,048	445	238	286
Building Never Open/ Electricity Not Used	386	34	Q	28	Q	Q	Q
Percent Lit When Closed							
Zero	1,964	1,831	871	1,677	294	137	209
1 to 50	1,882	1,882	1,000	1,800	474	246	259
51 to 100	136	136	53	129	36	22	25
Building Never Closed/ Electricity Not Used	664	399	261	338	137	50	73

Table B43. Lighting Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	4,645	4,248	2,184	3,943	941	455	565
Lighting Equipment Types (more than one may apply)							
Incandescent	2,184	2,184	2,184	1,984	592	258	373
Standard Fluorescent	3,943	3,943	1,984	3,943	882	416	493
Compact Fluorescent	941	941	592	882	941	185	248
High Intensity Discharge	455	455	258	416	185	455	147
Halogen	565	565	373	493	248	147	565
Other	8	8	Q	Q	Q	Q	Q
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	2,201	2,138	1,179	2,049	588	291	365
Tinted Window Glass	1,323	1,301	663	1,246	353	182	212
Reflective Window Glass	308	300	164	288	105	55	52
External Overhangs or Awnings	1,233	1,198	640	1,167	319	156	188
Skylights or Atriums	331	323	199	305	122	81	95
Daylighting Sensors	74	74	43	74	30	16	19
Specular Reflectors	928	928	526	928	306	181	173
Electronic Ballasts	2,577	2,577	1,318	2,555	685	344	376
Energy Management and Control System (EMCS) For Lighting	60	60	24	57	27	14	12
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	2,878	2,825	1,515	2,661	686	310	384
Cooling	2,761	2,731	1,432	2,591	668	311	393
Lighting	3,685	3,685	1,858	3,459	769	380	470
Office Equipment	1,504	1,500	709	1,443	346	154	194

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 B44. Lighting Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	64,783	62,060	38,528	59,688	27,571	20,643	17,703
Building Floorspace (Square Feet)							
1,001 to 5,000	6,789	6,038	2,918	5,579	1,123	312	604
5,001 to 10,000	6,585	6,090	3,061	5,726	1,109	686	781
10,001 to 25,000	11,535	11,229	6,424	10,458	2,944	1,721	1,973
25,001 to 50,000	8,668	8,297	5,176	8,001	3,662	2,191	2,013
50,001 to 100,000	9,057	8,912	5,296	8,667	4,330	3,646	2,599
100,001 to 200,000	9,064	8,732	6,042	8,612	5,268	4,349	3,473
200,001 to 500,000	7,176	6,946	4,913	6,839	4,610	3,918	2,775
Over 500,000	5,908	5,816	4,698	5,806	4,526	3,819	3,485
Principal Building Activity							
Education	9,874	9,870	6,095	9,633	4,727	4,178	2,231
Food Sales	1,255	1,237	550	1,192	304	Q	Q
Food Service	1,654	1,650	1,296	1,602	717	246	510
Health Care	3,163	3,163	2,555	3,142	2,305	1,324	1,433
Inpatient	1,905	1,905	1,715	1,886	1,689	1,115	1,166
Outpatient	1,258	1,258	840	1,255	616	209	267
Lodging	5,096	5,096	4,581	4,842	3,674	1,498	2,266
Retail (Other Than Mall)	4,317	4,315	1,991	4,041	1,173	943	828
Office	12,208	12,208	8,480	12,004	7,357	4,054	4,201
Public Assembly	3,939	3,917	2,621	3,748	1,726	1,293	1,393
Public Order and Safety	1,090	1,074	684	1,048	495	Q	Q
Religious Worship	3,754	3,754	3,060	3,567	1,284	421	959
Service	4,050	3,911	1,654	3,793	720	1,312	758
Warehouse and Storage	10,078	9,125	3,362	8,489	1,853	3,939	2,186
Other	1,738	1,721	1,066	1,677	972	713	425
Vacant	2,567	1,020	533	909	Q	Q	Q
Year Constructed							
Before 1920	3,769	3,554	2,663	3,430	1,300	536	881
1920 to 1945	6,871	6,367	4,107	6,078	2,827	2,351	1,225
1946 to 1959	7,045	6,727	4,324	6,488	2,461	2,105	1,973
1960 to 1969	8,101	7,972	4,866	7,739	3,605	2,284	1,798
1970 to 1979	10,772	10,381	7,003	10,048	4,613	3,530	2,921
1980 to 1989	10,332	10,087	6,213	9,743	5,286	3,417	3,384
1990 to 1999	12,360	11,828	6,466	11,358	4,899	4,419	3,352
2000 to 2003	5,533	5,144	2,885	4,803	2,581	2,002	2,169
Census Region and Division							
Northeast	12,905	12,559	8,102	12,159	6,091	4,379	3,581
New England	2,964	2,873	1,996	2,724	1,474	1,021	769
Middle Atlantic	9,941	9,687	6,105	9,435	4,616	3,358	2,812
Midwest	17,080	16,246	10,973	15,708	6,828	6,620	4,661
East North Central	11,595	11,046	7,211	10,701	4,845	5,104	3,259
West North Central	5,485	5,200	3,762	5,006	1,983	1,515	1,402
South	23,489	22,325	13,045	21,222	8,881	6,229	6,193
South Atlantic	12,258	11,856	7,028	11,245	4,856	4,053	3,474
East South Central	3,393	3,148	1,984	3,022	1,262	706	620
West South Central	7,837	7,322	4,033	6,955	2,764	1,470	2,099
West	11,310	10,930	6,408	10,599	5,772	3,416	3,268
Mountain	3,675	3,618	2,443	3,534	1,748	977	993
Pacific	7,635	7,312	3,965	7,066	4,024	2,438	2,275

Table B44. Lighting Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	64,783	62,060	38,528	59,688	27,571	20,643	17,703
Climate Zone: 30-Year Average							
Under 2,000 CDD and --							
More than 7,000 HDD	10,622	10,108	7,016	9,783	4,667	3,955	2,762
5,500-7,000 HDD	17,335	16,676	10,308	16,090	6,835	6,149	4,485
4,000-5,499 HDD	11,504	11,228	8,192	10,871	6,292	4,385	3,903
Fewer than 4,000 HDD	15,739	14,947	7,939	14,316	6,439	3,863	4,117
2,000 CDD or More and --							
Fewer than 4,000 HDD	9,584	9,102	5,073	8,627	3,339	2,292	2,435
Number of Floors							
One	25,981	24,288	10,640	22,875	5,431	6,176	3,811
Two	16,270	15,752	9,812	15,172	6,571	4,893	4,590
Three	7,501	7,242	5,620	7,057	3,914	2,582	2,026
Four to Nine	10,085	9,831	8,192	9,691	7,324	4,088	4,145
Ten or More	4,947	4,947	4,264	4,893	4,332	2,904	3,131
Number of Workers (main shift)							
Fewer than 5	15,492	12,835	6,370	11,501	2,142	1,930	1,270
5 to 9	6,166	6,143	3,436	5,943	1,516	977	1,141
10 to 19	7,803	7,791	4,363	7,615	2,744	1,651	1,473
20 to 49	10,989	10,959	6,456	10,688	4,604	3,505	3,303
50 to 99	7,934	7,934	5,336	7,790	4,337	3,364	2,439
100 to 249	6,871	6,871	4,776	6,693	4,304	3,508	2,720
250 or More	9,528	9,528	7,791	9,457	7,923	5,708	5,358
Weekly Operating Hours							
Fewer than 40	6,863	4,922	2,708	4,588	857	852	581
40 to 48	11,622	11,515	6,162	11,067	3,496	2,644	2,181
49 to 60	15,723	15,625	9,130	15,123	6,391	4,770	3,930
61 to 84	10,334	10,312	6,234	10,063	4,567	4,015	3,155
85 to 167	7,092	6,906	4,153	6,654	3,304	3,256	2,122
Open Continuously	13,149	12,781	10,142	12,192	8,957	5,105	5,733
Vacancy Status							
Completely Vacant	2,161	676	Q	610	Q	Q	Q
Mostly Vacant	406	Q	Q	Q	Q	Q	Q
Partially Vacant	12,382	12,062	8,638	11,663	7,412	4,627	4,621
Not At All Vacant	49,834	48,978	29,357	47,116	19,896	15,695	13,028
Multibuilding Facility							
Not Part of a Multibuilding Facility	40,048	38,514	23,775	37,281	15,624	12,243	11,311
College or University	3,480	3,478	2,354	3,437	2,494	1,100	804
Primary or Secondary School	3,947	3,938	1,938	3,714	1,516	1,380	708
Office Complex	2,712	2,548	1,749	2,540	1,638	1,019	1,073
Retail Complex	1,238	1,166	491	1,043	Q	249	259
Religious Campus or Complex	2,347	2,314	1,769	2,150	1,132	247	506
Health Care Complex	2,303	2,301	2,047	2,283	1,777	1,073	1,195
Lodging or Resort Complex	912	904	838	809	620	Q	463
Government Complex	2,014	1,995	882	1,976	921	949	Q
Other	5,783	4,903	2,685	4,456	1,588	2,099	1,129

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Table B44. Lighting Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	64,783	62,060	38,528	59,688	27,571	20,643	17,703
Renovations in Buildings Constructed Before 1980 (more than one may apply)							
Any Type of Renovation Since 1980	17,844	17,473	12,502	17,033	8,464	6,882	6,132
Addition or Annex	6,551	6,543	5,029	6,412	3,236	2,993	3,019
Reduction In Floorspace	1,012	1,012	769	1,012	683	509	513
Cosmetic Improvements	13,119	12,905	9,432	12,555	6,652	4,770	4,869
Wall or Roof Replacement	8,070	7,978	5,927	7,799	4,505	3,522	3,286
Interior Wall Re-Configuration	8,518	8,434	6,452	8,246	4,937	3,776	3,891
HVAC Equipment Upgrade	10,768	10,742	7,951	10,606	6,330	4,967	4,357
Lighting Upgrade	10,275	10,232	7,312	9,999	5,858	4,481	4,096
Window Replacement	6,354	6,207	4,575	6,124	3,462	2,758	2,719
Plumbing System Upgrade	7,144	7,118	5,225	6,996	4,311	3,149	3,097
Insulation Upgrade	4,015	3,988	2,626	3,916	2,229	1,799	1,240
Other Renovation	523	523	427	500	321	Q	Q
No Renovations Since 1980	18,714	17,529	10,462	16,750	6,341	3,923	2,665
Building Newer than 1980	28,225	27,058	15,564	25,904	12,766	9,837	8,906
Energy Sources (more than one may apply)							
Electricity	63,307	62,060	38,528	59,688	27,571	20,643	17,703
Natural Gas	43,468	42,950	28,624	41,843	21,209	15,922	13,645
Fuel Oil	15,157	15,037	11,635	14,904	10,201	7,314	6,893
District Heat	5,443	5,319	3,617	5,239	3,663	2,665	1,857
District Chilled Water	2,853	2,819	1,768	2,784	1,909	1,040	725
Propane	7,076	6,990	4,170	6,821	2,999	3,170	2,015
Other	1,401	1,370	902	1,365	672	525	480
Energy End Uses (more than one may apply)							
Buildings with Space Heating	60,028	59,215	37,220	57,351	26,835	20,093	17,042
Buildings with Cooling	56,940	56,661	36,075	55,117	26,790	19,054	17,115
Buildings with Water Heating	56,478	56,011	36,622	54,438	26,878	19,191	16,887
Buildings with Cooking	22,237	22,166	17,258	21,686	14,174	9,621	9,083
Buildings with Manufacturing	3,138	3,097	1,877	3,028	1,297	1,682	925
Buildings with Electricity Generation	12,821	12,745	9,976	12,665	10,041	6,861	6,448
Percent Lit When Open							
Zero	293	Q	Q	Q	Q	Q	Q
1 to 50	10,203	10,203	6,483	9,412	3,456	1,947	2,425
51 to 99	18,288	18,288	12,947	17,816	9,855	7,153	6,112
100	32,789	32,789	18,667	31,745	14,115	11,234	9,110
Building Never Open/ Electricity Not Used	3,210	754	Q	688	Q	Q	Q
Percent Lit When Closed							
Zero	17,385	16,238	7,932	15,284	3,944	3,946	3,202
1 to 50	30,948	30,948	19,169	30,185	13,696	10,741	8,126
51 to 100	2,093	2,093	1,285	2,027	975	850	642
Building Never Closed/ Electricity Not Used	14,357	12,781	10,142	12,192	8,957	5,105	5,733

Table B44. Lighting Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)						
			Lighting Equipment Types (more than one may apply)				
	All Buildings*	Lit Buildings	Incand-escent	Standard Fluor-escent	Compact Fluor-escent	High-Intensity Discharge	Halogen
All Buildings*	64,783	62,060	38,528	59,688	27,571	20,643	17,703
Lighting Equipment Types (more than one may apply)							
Incandescent	38,528	38,528	38,528	37,239	21,329	14,648	14,163
Standard Fluorescent	59,688	59,688	37,239	59,688	26,861	20,142	17,120
Compact Fluorescent	27,571	27,571	21,329	26,861	27,571	12,576	11,937
High Intensity Discharge	20,643	20,643	14,648	20,142	12,576	20,643	9,747
Halogen	17,703	17,703	14,163	17,120	11,937	9,747	17,703
Other	269	269	Q	Q	Q	Q	Q
Window and Interior Lighting Features (more than one may apply)							
Multipaned Windows	38,910	38,424	25,727	37,660	20,119	14,503	13,124
Tinted Window Glass	29,887	29,365	18,489	28,746	15,891	11,918	10,155
Reflective Window Glass	8,544	8,425	6,287	8,268	5,773	4,227	3,826
External Overhangs or Awnings	17,242	17,087	11,255	16,708	8,357	6,023	5,334
Skylights or Atriums	12,546	12,486	9,279	12,237	8,220	6,289	5,355
Daylighting Sensors	2,868	2,868	2,294	2,866	2,241	1,703	1,496
Specular Reflectors	26,118	26,118	18,183	26,118	15,591	12,104	9,930
Electronic Ballasts	46,882	46,882	30,132	46,583	24,070	17,727	14,691
Energy Management and Control System (EMCS) For Lighting	4,781	4,781	3,410	4,660	3,520	2,482	2,107
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)[a]							
Heating	42,722	42,305	26,468	41,078	19,895	14,125	12,169
Cooling	43,205	42,977	27,055	41,816	20,272	14,612	12,630
Lighting	46,987	46,987	27,178	45,368	17,968	14,743	11,455
Office Equipment	19,397	19,349	10,095	18,742	6,533	5,154	4,089

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 B45. Refrigeration Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
			Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
	All Buildings*	Buildings with Any Refrig-eration Equipment	Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Resid-ential-Type Units	Vending Machines
All Buildings*	4,645	3,176	1,007	666	308	696	2,370	996
Building Floorspace (Square Feet)								
1,001 to 5,000	2,552	1,591	486	332	142	353	1,159	268
5,001 to 10,000	889	642	188	124	65	117	494	181
10,001 to 25,000	738	548	138	75	40	103	427	250
25,001 to 50,000	241	196	78	44	19	53	148	134
50,001 to 100,000	129	114	60	44	19	34	81	89
100,001 to 200,000	65	58	36	29	13	23	41	48
200,001 to 500,000	25	21	16	14	7	9	16	19
Over 500,000	7	6	5	5	3	3	4	6
Principal Building Activity								
Education	386	254	93	59	31	54	203	113
Food Sales	226	212	205	167	93	159	48	56
Food Service	297	296	283	239	90	219	118	53
Health Care	129	116	23	14	7	11	110	25
Inpatient	8	8	8	7	4	5	7	7
Outpatient	121	108	15	Q	Q	6	103	18
Lodging	142	126	42	26	6	29	107	75
Retail (Other Than Mall)	443	319	98	47	25	65	215	95
Office	824	643	53	17	22	25	577	194
Public Assembly	277	210	74	40	9	51	152	55
Public Order and Safety	71	67	13	Q	Q	Q	56	38
Religious Worship	370	271	41	Q	Q	31	255	31
Service	622	362	Q	Q	Q	Q	298	145
Warehouse and Storage	597	225	47	34	Q	15	173	93
Other	79	51	14	10	Q	12	41	19
Vacant	182	24	Q	Q	Q	Q	Q	Q
Year Constructed								
Before 1920	330	243	77	52	23	61	201	40
1920 to 1945	527	342	111	61	33	81	256	93
1946 to 1959	562	401	140	71	35	97	308	114
1960 to 1969	579	396	112	78	37	81	300	156
1970 to 1979	731	511	155	109	39	101	379	175
1980 to 1989	707	487	145	109	46	97	365	148
1990 to 1999	876	598	189	129	64	129	428	205
2000 to 2003	334	199	78	58	30	49	134	65
Census Region and Division								
Northeast	726	518	177	119	48	127	398	156
New England	233	164	58	44	19	42	136	51
Middle Atlantic	493	355	119	75	29	85	262	104
Midwest	1,266	872	287	182	75	210	660	267
East North Central	696	496	189	121	48	135	353	155
West North Central	571	377	98	62	27	75	307	112
South	1,775	1,203	367	244	132	252	860	397
South Atlantic	874	607	191	127	75	130	419	194
East South Central	348	238	63	40	18	43	175	90
West South Central	553	358	113	76	39	78	266	113
West	878	583	176	122	53	107	452	176
Mountain	299	202	54	39	14	30	166	75
Pacific	580	381	122	83	39	76	287	101

Table B45. Refrigeration Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
			Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
	All Buildings*	Buildings with Any Refrig-eration Equipment	Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Resid-ential-Type Units	Vending Machines
All Buildings*	4,645	3,176	1,007	666	308	696	2,370	996
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	855	591	184	130	50	137	470	184
5,500-7,000 HDD	1,173	801	278	189	78	185	597	252
4,000-5,499 HDD	673	502	151	92	43	105	374	167
Fewer than 4,000 HDD	1,276	832	254	157	84	170	593	245
2,000 CDD or More and --								
Fewer than 4,000 HDD	669	451	141	98	53	98	336	148
Number of Floors								
One	3,136	1,992	626	440	201	426	1,446	553
Two	1,031	787	232	140	66	158	612	276
Three	339	276	92	49	26	72	220	97
Four to Nine	128	110	50	33	12	34	85	61
Ten or More	12	11	7	5	4	5	7	9
Number of Workers (main shift)								
Fewer than 5	2,653	1,494	438	248	111	313	1,123	272
5 to 9	778	629	179	126	52	134	471	176
10 to 19	563	474	146	108	51	93	357	165
20 to 49	398	346	126	90	41	86	255	194
50 to 99	147	132	62	49	25	36	93	103
100 to 249	77	73	39	32	21	23	50	61
250 or More	30	28	17	13	8	11	20	25
Weekly Operating Hours								
Fewer than 40	1,002	483	88	40	20	54	421	54
40 to 48	1,117	771	105	53	31	66	663	211
49 to 60	1,062	782	168	100	40	105	626	259
61 to 84	591	490	235	142	72	174	316	198
85 to 167	400	336	263	229	95	190	127	117
Open Continuously	475	314	146	104	50	107	216	157
Multibuilding Facility								
Not Part of a Multibuilding Facility	3,169	2,372	819	553	256	576	1,702	675
College or University	83	59	15	11	3	10	40	42
Primary or Secondary School	254	119	46	37	11	27	88	54
Office Complex	111	77	15	6	10	5	61	28
Retail Complex	151	83	25	Q	Q	18	66	45
Religious Campus or Complex	195	131	25	Q	Q	18	124	19
Health Care Complex	39	32	11	8	3	8	31	18
Lodging or Resort Complex	61	52	14	Q	Q	13	37	21
Government Complex	87	53	8	Q	Q	Q	44	27
Other	496	200	30	17	Q	15	177	68

Table B45. Refrigeration Equipment, Number of Buildings for Non-Mall Buildings, 2003

	Number of Buildings (thousand)							
			Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
	All Buildings*	Buildings with Any Refrig-eration Equipment	Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Resid-ential-Type Units	Vending Machines
All Buildings*	4,645	3,176	1,007	666	308	696	2,370	996
Energy Sources (more than one may apply)								
Electricity	4,404	3,176	1,007	666	308	696	2,370	996
Natural Gas	2,391	1,892	666	450	190	473	1,375	656
Fuel Oil	451	361	121	80	35	83	294	134
District Heat	67	51	13	9	5	10	36	36
District Chilled Water	33	25	8	6	3	6	17	19
Propane	502	396	149	97	44	104	307	135
Other	132	93	16	10	5	12	82	34
Energy End Uses (more than one may apply)								
Buildings with Space Heating	3,982	3,014	934	619	287	645	2,278	953
Buildings with Cooling	3,625	2,848	943	631	286	655	2,106	915
Buildings with Water Heating	3,472	2,828	947	632	285	653	2,113	895
Buildings with Cooking	801	797	590	454	181	431	479	256
Buildings with Manufacturing	119	96	20	17	Q	11	82	42
Buildings with Electricity Generation	149	136	67	51	27	41	109	100
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	799	797	590	454	181	431	479	256
Activities with Large Amounts of Hot Water	567	527	330	249	107	231	329	237
Separate Computer Area	553	470	165	115	58	102	372	283

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.

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 B46. Refrigeration Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
			Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
	All Buildings*	Buildings with Any Refrig-eration Equipment	Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Resid-ential-Type Units	Vending Machines
All Buildings*	64,783	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Building Floorspace (Square Feet)								
1,001 to 5,000	6,789	4,333	1,310	916	366	935	3,174	830
5,001 to 10,000	6,585	4,738	1,406	909	497	894	3,609	1,407
10,001 to 25,000	11,535	8,646	2,230	1,188	614	1,665	6,725	4,072
25,001 to 50,000	8,668	7,068	2,829	1,626	676	1,933	5,289	4,910
50,001 to 100,000	9,057	8,038	4,291	3,124	1,354	2,438	5,760	6,342
100,001 to 200,000	9,064	8,096	5,116	4,148	1,926	3,302	5,667	6,578
200,001 to 500,000	7,176	6,238	4,606	4,199	2,034	2,685	4,524	5,691
Over 500,000	5,908	5,816	4,979	4,146	2,958	3,366	4,136	5,506
Principal Building Activity								
Education	9,874	9,066	6,485	5,157	2,634	3,470	6,460	7,127
Food Sales	1,255	1,210	1,177	1,069	804	902	306	551
Food Service	1,654	1,651	1,616	1,495	491	1,234	605	426
Health Care	3,163	3,013	2,131	1,942	1,244	1,671	2,656	2,262
Inpatient	1,905	1,905	1,869	1,828	1,178	1,508	1,667	1,776
Outpatient	1,258	1,108	262	Q	Q	163	989	485
Lodging	5,096	4,780	3,333	2,844	985	2,035	3,696	4,199
Retail (Other Than Mall)	4,317	3,447	1,336	670	651	1,152	2,276	1,952
Office	12,208	10,642	4,045	2,757	1,972	2,530	8,335	7,661
Public Assembly	3,939	3,302	1,805	1,235	308	1,494	2,258	1,607
Public Order and Safety	1,090	1,031	565	Q	Q	Q	883	868
Religious Worship	3,754	3,163	821	Q	Q	635	2,881	731
Service	4,050	2,992	Q	Q	Q	Q	2,464	1,902
Warehouse and Storage	10,078	6,499	2,032	1,517	Q	775	4,667	4,719
Other	1,738	1,570	841	780	Q	682	986	1,189
Vacant	2,567	608	Q	Q	Q	Q	Q	Q
Year Constructed								
Before 1920	3,769	2,939	1,297	990	396	807	2,323	1,074
1920 to 1945	6,871	5,006	2,580	1,853	1,079	1,566	4,088	3,426
1946 to 1959	7,045	6,028	3,544	2,399	1,242	2,114	4,700	3,332
1960 to 1969	8,101	6,610	3,090	2,324	1,226	2,117	4,898	4,699
1970 to 1979	10,772	8,830	4,422	3,461	1,818	2,889	6,412	6,208
1980 to 1989	10,332	8,725	4,728	3,840	1,866	3,247	6,253	6,219
1990 to 1999	12,360	10,347	4,568	3,341	1,627	2,880	7,130	7,248
2000 to 2003	5,533	4,488	2,539	2,046	1,172	1,597	3,081	3,127
Census Region and Division								
Northeast	12,905	10,842	5,936	4,452	2,361	3,652	8,288	6,559
New England	2,964	2,474	1,107	889	389	790	2,037	1,569
Middle Atlantic	9,941	8,367	4,830	3,563	1,972	2,861	6,251	4,990
Midwest	17,080	14,082	7,122	5,201	2,120	4,400	10,792	9,400
East North Central	11,595	9,538	5,286	3,860	1,679	3,228	7,247	6,583
West North Central	5,485	4,544	1,835	1,341	441	1,172	3,545	2,817
South	23,489	19,103	9,638	7,469	4,298	6,514	13,162	13,534
South Atlantic	12,258	10,256	5,426	4,324	2,581	3,568	7,043	7,066
East South Central	3,393	2,829	1,145	862	420	941	1,834	2,056
West South Central	7,837	6,018	3,067	2,284	1,297	2,004	4,285	4,412
West	11,310	8,947	4,072	3,132	1,646	2,652	6,642	5,841
Mountain	3,675	3,028	1,398	1,073	672	781	2,232	2,058
Pacific	7,635	5,919	2,674	2,059	974	1,871	4,410	3,783

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Table B46. Refrigeration Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
			Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
	All Buildings*	Buildings with Any Refrig-eration Equipment	Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Resid-ential-Type Units	Vending Machines
All Buildings*	64,783	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Climate Zone: 30-Year Average								
Under 2,000 CDD and --								
More than 7,000 HDD	10,622	8,673	4,106	3,188	1,296	2,495	6,713	5,824
5,500-7,000 HDD	17,335	14,438	7,355	5,353	2,808	4,601	10,957	9,186
4,000-5,499 HDD	11,504	9,893	5,702	4,341	2,220	3,654	7,367	6,729
Fewer than 4,000 HDD	15,739	12,329	5,784	4,490	2,408	3,793	8,479	8,220
2,000 CDD or More and --								
Fewer than 4,000 HDD	9,584	7,640	3,821	2,882	1,694	2,675	5,369	5,375
Number of Floors								
One	25,981	18,869	7,620	5,257	2,649	4,813	13,230	10,272
Two	16,270	13,758	6,309	4,898	2,010	3,937	10,456	8,818
Three	7,501	6,550	3,065	2,044	990	2,174	5,021	4,575
Four to Nine	10,085	9,083	6,002	5,185	2,447	3,566	6,744	7,521
Ten or More	4,947	4,715	3,773	2,871	2,328	2,727	3,433	4,150
Number of Workers (main shift)								
Fewer than 5	15,492	8,221	2,390	1,159	449	1,717	6,271	2,239
5 to 9	6,166	5,109	1,592	867	378	1,182	3,862	1,938
10 to 19	7,803	6,608	2,182	1,538	491	1,136	5,242	3,516
20 to 49	10,989	9,759	4,415	3,262	1,262	2,873	7,011	6,949
50 to 99	7,934	7,346	4,475	3,693	1,447	2,363	5,084	6,197
100 to 249	6,871	6,619	4,399	3,776	2,193	2,877	4,726	5,960
250 or More	9,528	9,313	7,314	5,960	4,204	5,068	6,687	8,536
Weekly Operating Hours								
Fewer than 40	6,863	3,376	933	557	242	561	2,808	763
40 to 48	11,622	9,130	3,156	2,190	1,109	1,968	7,358	5,286
49 to 60	15,723	12,833	5,218	3,745	1,815	2,973	9,804	8,207
61 to 84	10,334	9,304	4,350	2,996	1,625	2,844	6,490	6,234
85 to 167	7,092	6,384	4,314	3,184	1,554	2,987	3,941	4,639
Open Continuously	13,149	11,947	8,797	7,582	4,081	5,885	8,484	10,205
Multibuilding Facility								
Not Part of a Multibuilding Facility	40,048	33,711	16,426	11,954	6,307	10,842	24,007	20,526
College or University	3,480	3,041	1,295	1,009	Q	902	1,780	2,805
Primary or Secondary School	3,947	3,195	2,352	2,092	901	1,171	2,287	2,384
Office Complex	2,712	2,059	857	604	484	575	1,658	1,650
Retail Complex	1,238	833	265	Q	Q	219	651	623
Religious Campus or Complex	2,347	1,940	870	Q	Q	320	1,743	763
Health Care Complex	2,303	2,233	1,858	1,754	959	1,421	2,032	1,975
Lodging or Resort Complex	912	850	492	Q	Q	427	584	682
Government Complex	2,014	1,441	799	Q	Q	Q	1,177	1,305
Other	5,783	3,671	1,554	1,306	Q	1,021	2,965	2,622

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Table B46. Refrigeration Equipment, Floorspace for Non-Mall Buildings, 2003

	Total Floorspace (million square feet)							
			Type of Equipment (more than one may apply)					
			Commercial Refrigeration				Other Refrigeration	
	All Buildings*	Buildings with Any Refrig-eration Equipment	Any	Walk-In Units	Open Cases or Cabinets	Closed Cases or Cabinets	Resid-ential-Type Units	Vending Machines
All Buildings*	64,783	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Energy Sources (more than one may apply)								
Electricity	63,307	52,974	26,768	20,254	10,425	17,218	38,884	35,335
Natural Gas	43,468	38,436	21,376	16,719	8,485	14,146	28,365	26,647
Fuel Oil	15,157	14,221	9,936	8,267	4,557	6,636	11,118	11,387
District Heat	5,443	4,568	2,716	2,131	1,395	2,005	3,163	4,108
District Chilled Water	2,853	2,594	1,490	1,091	593	1,056	1,899	2,376
Propane	7,076	6,065	3,237	2,495	1,268	2,012	4,473	4,132
Other	1,401	1,231	616	466	200	417	957	850
Energy End Uses (more than one may apply)								
Buildings with Space Heating	60,028	51,451	26,088	19,764	10,165	16,707	37,825	34,470
Buildings with Cooling	56,940	50,080	25,872	19,803	10,202	16,729	36,662	34,063
Buildings with Water Heating	56,478	50,212	26,153	19,986	10,145	16,882	36,777	33,964
Buildings with Cooking	22,237	22,193	19,665	16,422	8,532	13,219	15,911	16,471
Buildings with Manufacturing	3,138	2,771	973	756	Q	530	2,170	2,338
Buildings with Electricity Generation	12,821	12,351	9,247	7,765	4,617	6,272	9,564	11,183
Energy-Related Space Functions (more than one may apply)								
Commercial Food Preparation	22,223	22,193	19,665	16,422	8,532	13,219	15,911	16,471
Activities with Large Amounts of Hot Water	19,482	19,029	15,765	13,809	6,973	10,493	13,751	15,022
Separate Computer Area	26,873	25,237	16,650	13,420	7,695	10,097	18,674	21,343

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.

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.