

Table B3. Census Region, Number of Buildings and Floorspace, 1999

	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings	North-east	Midwest	South	West	All Buildings	North-east	Midwest	South	West
All Buildings	4,657	686	1,188	1,762	1,021	67,338	12,360	16,761	23,485	14,731
Building Floorspace (Square Feet)										
1,001 to 5,000	2,348	305	620	916	506	6,774	901	1,835	2,536	1,503
5,001 to 10,000	1,110	169	273	413	255	8,238	1,302	2,045	3,058	1,834
10,001 to 25,000	708	130	188	260	130	11,153	1,954	2,881	4,194	2,124
25,001 to 50,000	257	39	48	93	76	9,311	1,407	1,773	3,384	2,746
50,001 to 100,000	145	26	35	49	35	10,112	1,771	2,436	3,450	2,455
100,001 to 200,000	59	10	16	20	13	8,271	1,461	2,279	2,864	1,666
200,001 to 500,000	23	5	7	8	4	6,851	1,362	1,993	2,273	1,222
Over 500,000	7	2	2	2	1	6,628	2,202	1,519	1,726	1,180
Principal Building Activity										
Education	327	31	42	121	134	8,651	1,714	2,250	2,348	2,338
Food Sales	174	Q	Q	76	29	994	Q	Q	392	208
Food Service	349	Q	95	124	89	1,851	Q	558	676	396
Health Care	127	14	33	59	21	2,918	448	750	1,085	635
Inpatient	11	Q	1	3	3	1,865	377	512	630	346
Outpatient	116	Q	32	56	18	1,053	Q	239	454	289
Lodging	153	13	27	54	59	4,521	484	940	1,595	1,501
Mercantile	667	117	182	257	111	10,398	1,885	2,591	4,080	1,842
Retail (Other Than Mall)	534	100	157	205	71	4,766	974	1,600	1,566	627
Enclosed and Strip Malls	133	17	25	52	40	5,631	912	991	2,513	1,215
Office	739	102	172	315	150	12,044	2,389	2,820	4,162	2,672
Public Assembly	305	43	88	126	48	4,393	882	1,142	1,511	859
Public Order and Safety	72	31	13	17	Q	1,168	530	216	286	Q
Religious Worship	307	38	74	101	93	3,405	440	923	1,146	896
Service	478	73	140	198	68	3,388	740	818	1,387	443
Warehouse and Storage	603	84	192	215	113	10,477	1,743	2,764	3,957	2,012
Other	102	Q	Q	39	29	1,222	Q	283	305	338
Vacant	253	33	91	61	68	1,908	367	533	554	455
Year Constructed										
1919 or Before	419	126	172	69	52	4,034	1,392	1,576	549	518
1920 to 1945	499	65	206	155	73	6,445	1,619	2,423	1,704	699
1946 to 1959	763	138	174	289	162	9,127	2,030	2,152	2,910	2,035
1960 to 1969	665	97	155	199	215	10,866	2,050	2,602	3,318	2,896
1970 to 1979	774	77	141	338	219	11,840	1,823	2,347	4,278	3,391
1980 to 1989	846	122	165	408	151	13,931	2,070	2,828	6,263	2,771
1990 to 1999	690	62	175	304	149	11,094	1,376	2,834	4,464	2,420
Floors										
One	2,879	291	624	1,302	662	26,800	3,131	5,800	11,826	6,044
Two	1,168	230	331	346	262	16,985	2,944	4,405	5,687	3,948
Three	420	108	172	76	64	8,928	2,261	2,725	2,106	1,836
Four to Nine	178	54	60	33	30	10,180	2,598	3,080	2,540	1,962
Ten or More	11	3	2	4	2	4,445	1,426	752	1,327	940
Workers (main shift)										
Fewer than 5	2,376	271	668	970	468	14,321	1,906	4,033	5,579	2,802
5 to 9	807	163	224	220	199	6,325	1,372	1,689	1,730	1,533
10 to 19	683	114	136	273	160	8,028	1,472	1,930	2,935	1,690
20 to 49	487	87	95	204	101	10,814	1,574	2,575	4,174	2,492
50 to 99	174	30	32	51	61	8,898	1,814	1,876	2,876	2,332
100 to 249	90	16	24	32	19	8,356	1,702	2,228	2,856	1,570
250 or More	39	5	9	12	12	10,595	2,519	2,430	3,335	2,312
Weekly Operating Hours										
39 or Fewer	978	115	286	380	196	6,596	900	1,851	2,532	1,313
40 to 48	1,156	156	280	486	235	13,105	1,879	2,989	5,265	2,972
49 to 60	986	135	250	346	255	14,200	2,792	3,577	4,617	3,214
61 to 84	664	130	184	207	143	12,458	2,482	3,088	4,198	2,689
85 to 167	474	65	102	211	96	9,116	1,813	2,531	2,978	1,794
Open Continuously	398	86	86	132	95	11,863	2,494	2,725	3,896	2,748

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	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings	North-east	Midwest	South	West	All Buildings	North-east	Midwest	South	West
Ownership and Occupancy										
Nongovernment Owned	4,135	607	1,105	1,585	839	54,994	9,542	13,896	19,745	11,810
Owner Occupied	2,801	455	747	1,083	516	37,785	7,143	9,990	13,228	7,424
Nonowner Occupied	1,099	142	256	431	270	15,596	2,286	3,427	5,881	4,001
Unoccupied	236	Q	102	71	53	1,613	Q	479	636	385
Government Owned	521	80	83	177	182	12,343	2,818	2,865	3,740	2,921
Vacancy Status										
Completely Vacant	140	Q	57	Q	36	953	Q	298	Q	287
Mostly Vacant	113	Q	34	Q	Q	956	Q	235	Q	Q
Partially Vacant	697	78	189	266	165	15,520	2,693	4,031	5,548	3,248
Not At All Vacant	3,707	576	908	1,436	787	49,910	9,301	12,197	17,383	11,029
Number of Establishments										
One	3,528	531	860	1,392	745	43,343	7,665	11,299	14,723	9,655
2 to 5	688	113	190	231	154	10,582	2,186	2,900	3,421	2,075
6 to 10	114	15	22	41	36	3,574	494	571	1,440	1,068
11 to 20	48	8	7	17	16	3,260	705	579	1,239	738
More than 20	27	4	4	9	Q	4,811	1,159	864	2,000	788
Currently Unoccupied	251	Q	103	72	60	1,769	Q	548	662	407
Energy Sources (more than one may apply)										
Electricity	4,395	639	1,113	1,689	954	65,716	11,964	16,389	23,076	14,287
Natural Gas	2,670	311	874	820	665	45,525	7,305	13,506	14,199	10,515
Fuel Oil	434	218	48	138	30	13,285	5,414	2,423	3,749	1,699
District Heat	117	31	25	39	22	5,891	1,898	1,521	1,265	1,207
District Chilled Water	50	2	14	Q	13	2,750	326	746	939	739
Propane	451	112	109	167	62	6,290	1,706	1,405	2,389	790
Other	153	21	37	64	Q	2,322	580	606	579	557
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,016	601	1,049	1,503	863	61,602	11,667	15,916	20,598	13,421
Buildings with Cooling	3,560	473	861	1,506	720	58,474	10,311	14,371	21,549	12,243
Buildings with Water Heating	3,239	515	776	1,179	769	56,115	10,577	13,702	19,014	12,822
Buildings with Cooking	857	141	221	315	181	24,681	5,245	6,042	8,569	4,825
Buildings with Manufacturing	151	22	18	87	24	3,126	568	818	1,035	706
Buildings with Electricity Generation	172	46	39	64	22	11,882	3,108	2,782	4,062	1,930
Percent of Floorspace Heated										
Not Heated	641	86	138	259	158	5,736	693	846	2,887	1,310
1 to 50	576	83	151	182	160	7,593	1,053	1,571	2,538	2,432
51 to 99	627	82	175	254	117	10,745	1,688	2,323	4,335	2,399
100	2,813	436	724	1,067	586	43,264	8,927	12,022	13,725	8,590
Percent of Floorspace Cooled										
Not Cooled	1,097	213	327	256	301	8,864	2,049	2,390	1,936	2,489
1 to 50	1,012	226	330	289	167	16,846	3,914	5,068	4,618	3,246
51 to 99	751	80	207	320	144	16,966	3,196	4,741	5,801	3,229
100	1,796	168	324	896	409	24,662	3,202	4,562	11,130	5,768
Percent Lit When Open										
Zero	34	Q	Q	Q	Q	173	Q	Q	Q	Q
1 to 50	835	123	273	275	164	9,187	1,620	2,486	3,013	2,068
51 to 99	1,228	194	337	453	245	20,665	4,081	5,814	6,392	4,378
100	2,096	291	422	862	522	34,233	6,077	7,668	12,817	7,671
Building Never Open/ Electricity Not Used	464	67	154	154	89	3,080	555	780	1,162	582

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	Number of Buildings (thousand)					Total Floorspace (million square feet)				
	All Buildings	North-east	Midwest	South	West	All Buildings	North-east	Midwest	South	West
Heating Equipment (more than one may apply)										
Heat Pumps	492	24	28	338	102	8,923	1,193	1,015	4,580	2,135
Furnaces	1,460	222	632	369	237	14,449	2,257	5,767	3,949	2,476
Individual Space Heaters	894	119	205	370	200	17,349	3,555	4,667	5,471	3,657
District Heat	96	31	22	27	17	5,534	1,876	1,514	1,022	1,121
Boilers	581	189	175	123	93	19,522	5,469	5,961	4,209	3,883
Packaged Heating Units	1,347	135	201	645	366	25,743	4,033	5,081	10,455	6,175
Other	185	22	52	62	49	4,073	769	1,113	1,391	800
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	676	72	285	258	62	8,329	950	2,951	3,272	1,156
Heat Pumps	485	19	27	329	110	9,147	1,215	1,063	4,604	2,265
Individual Air Conditioners	799	172	214	312	100	14,276	3,897	3,724	4,526	2,130
District Chilled Water	50	2	14	Q	13	2,750	326	746	939	739
Central Chillers	130	17	25	57	31	12,909	2,782	3,149	4,328	2,651
Packaged Air Conditioning										
Units	1,953	265	403	841	443	36,527	6,641	8,198	13,915	7,773
Swamp Coolers	136	Q	Q	Q	109	2,219	Q	Q	339	1,624
Other	49	Q	Q	Q	Q	1,312	Q	328	343	324
Main Equipment Replaced Since 1995 (more than one may apply)										
Heating	984	134	266	371	213	13,220	1,829	3,244	5,080	3,068
Cooling	1,085	151	231	495	208	17,390	3,080	3,808	7,088	3,414
Building Shell Conservation Features (more than one may apply)										
Multipaned Windows	2,130	342	698	694	395	38,193	7,564	11,546	11,981	7,103
Tinted, Reflective, or Shading Glass	1,283	127	264	509	383	29,915	4,525	6,364	11,246	7,780
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	550	93	129	194	133	19,387	3,643	4,858	6,121	4,765
Economizer Cycle	567	118	130	135	184	21,256	4,634	5,688	5,858	5,075
HVAC Maintenance	2,786	498	675	1,000	613	53,395	10,640	13,025	17,981	11,749
Energy Management and Control System (EMCS)	460	81	107	138	135	21,613	4,211	5,296	7,108	4,998
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	843	148	155	317	224	19,994	4,874	4,296	6,400	4,424
Electronic Ballasts	2,167	370	482	802	514	42,035	8,480	10,287	13,745	9,523
Skylights or Atriums	580	89	130	203	158	18,286	3,697	4,491	6,116	3,982

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

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

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

Table B4. Census Region and Division, Number of Buildings, 1999

	Number of Buildings (thousand)									
	All Buildings	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings	4,657	208	479	782	406	748	396	618	315	705
Building Floorspace (Square Feet)										
1,001 to 5,000	2,348	99	206	390	230	368	189	360	155	351
5,001 to 10,000	1,110	41	128	200	72	194	80	139	80	175
10,001 to 25,000	708	38	92	122	66	105	87	69	39	91
25,001 to 50,000	257	14	25	32	17	43	25	25	25	52
50,001 to 100,000	145	10	16	22	13	24	9	16	12	23
100,001 to 200,000	59	3	7	11	5	11	4	6	4	8
200,001 to 500,000	23	1	4	5	2	4	1	2	Q	3
Over 500,000	7	Q	2	1	1	1	Q	1	Q	1
Principal Building Activity										
Education	327	8	23	23	18	52	22	48	21	113
Food Sales	174	Q	Q	Q	Q	Q	Q	Q	Q	Q
Food Service	349	Q	Q	78	Q	41	Q	61	Q	65
Health Care	127	Q	11	25	Q	37	Q	21	4	16
Inpatient	11	Q	Q	1	Q	1	Q	2	Q	2
Outpatient	116	Q	Q	Q	Q	35	Q	Q	Q	15
Lodging	153	Q	10	15	12	22	20	12	19	41
Mercantile	667	Q	92	127	55	107	55	95	34	77
Retail (Other Than Mall)	534	Q	78	107	50	77	44	84	29	42
Enclosed and Strip Malls	133	Q	14	19	5	29	Q	12	Q	35
Office	739	47	55	117	56	163	77	75	43	107
Public Assembly	305	Q	33	50	39	52	36	38	Q	29
Public Order and Safety	72	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	307	Q	29	43	32	23	Q	49	Q	62
Service	478	Q	53	68	72	72	37	89	18	49
Warehouse and Storage	603	31	53	122	70	114	50	50	37	76
Other	102	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant	253	Q	Q	75	Q	Q	Q	Q	Q	Q
Year Constructed										
1919 or Before	419	35	91	140	32	31	Q	32	Q	Q
1920 to 1945	499	28	37	147	59	58	45	51	35	38
1946 to 1959	763	24	114	123	51	123	65	102	52	110
1960 to 1969	665	33	64	97	57	85	38	76	66	149
1970 to 1979	774	38	39	95	46	117	65	156	45	173
1980 to 1989	846	34	88	73	92	152	120	136	61	90
1990 to 1999	690	Q	47	107	68	183	Q	65	36	113
Floors										
One	2,879	83	208	384	240	525	259	517	208	455
Two	1,168	86	143	214	117	159	110	77	74	188
Three	420	23	85	141	31	36	Q	18	23	41
Four to Nine	178	15	40	42	18	25	Q	4	11	19
Ten or More	11	Q	3	1	Q	3	Q	1	Q	2
Workers (main shift)										
Fewer than 5	2,376	81	189	440	228	380	193	397	172	295
5 to 9	807	52	111	144	80	92	54	75	48	151
10 to 19	683	40	74	90	45	151	68	54	43	117
20 to 49	487	18	68	68	27	78	65	61	27	74
50 to 99	174	9	21	16	15	26	10	15	14	47
100 to 249	90	6	10	18	6	15	5	12	7	12
250 or More	39	1	4	5	4	7	2	4	3	9

Table B4. Census Region and Division, Number of Buildings, 1999

	Number of Buildings (thousand)									
	All Buildings	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Weekly Operating Hours										
39 or Fewer	978	Q	72	193	93	161	85	135	90	106
40 to 48	1,156	45	111	168	112	203	108	174	85	150
49 to 60	986	52	82	167	83	164	55	128	54	202
61 to 84	664	35	95	123	61	95	44	69	22	121
85 to 167	474	13	52	80	22	76	60	75	35	61
Open Continuously	398	20	66	51	35	49	45	38	30	65
Ownership and Occupancy										
Nongovernment Owned	4,135	181	426	752	353	671	360	554	284	555
Owner Occupied	2,801	123	331	522	225	478	241	363	153	363
Nonowner Occupied	1,099	56	87	169	87	151	112	168	92	178
Unoccupied	236	Q	Q	61	Q	Q	Q	Q	Q	Q
Government Owned	521	27	52	30	52	77	36	64	31	150
Vacancy Status										
Completely Vacant	140	Q	Q	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant	113	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	697	32	46	124	65	119	54	93	40	125
Not At All Vacant	3,707	165	411	583	325	599	336	501	233	555
Number of Establishments										
One	3,528	169	362	570	291	563	328	501	213	532
2 to 5	688	22	90	133	58	109	42	80	40	114
6 to 10	114	Q	12	11	Q	19	Q	6	6	30
11 to 20	48	4	3	3	4	10	Q	4	Q	13
More than 20	27	Q	Q	3	Q	6	Q	3	Q	3
Currently Unoccupied	251	Q	Q	61	Q	Q	Q	Q	Q	Q
Energy Sources (more than one may apply)										
Electricity	4,395	190	449	730	383	711	383	595	275	679
Natural Gas	2,670	45	266	611	263	231	224	365	230	435
Fuel Oil	434	90	128	28	20	98	12	28	Q	Q
District Heat	117	2	29	11	Q	Q	Q	21	9	13
District Chilled Water	50	Q	2	2	Q	3	Q	Q	Q	7
Propane	451	62	51	63	46	87	Q	30	Q	Q
Other	153	Q	20	23	Q	Q	Q	Q	Q	Q
Energy End Uses (more than one may apply)										
Buildings with Space Heating	4,016	170	431	688	361	612	366	524	271	592
Buildings with Cooling	3,560	136	337	563	298	631	353	522	239	481
Buildings with Water Heating	3,239	151	364	515	261	492	283	404	244	525
Buildings with Cooking	857	36	106	162	59	134	79	101	57	124
Buildings with Manufacturing	151	Q	Q	Q	Q	30	Q	37	Q	19
Buildings with Electricity Generation	172	8	38	27	13	44	6	14	11	11
Percent of Floorspace Heated										
Not Heated	641	Q	48	94	Q	136	29	94	44	114
1 to 50	576	Q	65	116	35	56	56	70	40	121
51 to 99	627	22	59	114	61	119	63	72	39	77
100	2,813	130	307	459	266	437	247	383	193	393
Percent of Floorspace Cooled										
Not Cooled	1,097	71	142	219	108	117	43	96	77	224
1 to 50	1,012	65	161	221	109	126	70	93	55	112
51 to 99	751	30	49	137	70	140	66	114	69	76
100	1,796	41	126	205	119	364	217	315	116	293

Table B4. Census Region and Division, Number of Buildings, 1999

	Number of Buildings (thousand)									
	All Buildings	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Percent Lit When Open										
Zero	34	Q	Q	Q	N	Q	Q	Q	Q	Q
1 to 50	835	35	89	200	73	132	56	88	53	110
51 to 99	1,228	51	143	201	136	180	75	198	93	152
100	2,096	93	198	278	144	331	247	284	118	404
Building Never Open/ Electricity Not Used										
	464	Q	Q	101	53	90	Q	47	50	Q
Heating Equipment (more than one may apply)										
Heat Pumps	492	6	18	10	18	190	104	44	15	86
Furnaces	1,460	66	156	429	203	115	105	149	116	121
Individual Space Heaters	894	33	86	130	75	132	109	129	81	119
District Heat	96	2	29	8	Q	5	Q	20	5	12
Boilers	581	80	109	123	52	76	18	29	30	63
Packaged Heating Units	1,347	29	107	129	72	229	149	267	96	270
Other	185	Q	20	35	Q	17	Q	27	15	34
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	676	Q	63	174	111	79	63	116	29	32
Heat Pumps	485	4	15	8	19	187	99	43	19	91
Individual Air Conditioners	799	61	111	147	68	140	89	83	27	74
District Chilled Water	50	Q	2	2	Q	3	Q	Q	Q	7
Central Chillers	130	5	12	15	10	34	5	18	13	18
Packaged Air Conditioning										
Units	1,953	76	189	284	119	318	200	323	142	301
Swamp Coolers	136	Q	Q	Q	Q	Q	Q	Q	73	36
Other	49	Q	Q	Q	Q	3	Q	Q	Q	Q
Main Equipment Replaced Since 1995 (more than one may apply)										
Heating	984	Q	98	192	74	164	62	146	54	159
Cooling	1,085	51	100	183	47	202	90	203	69	139
Building Shell Conservation Features (more than one may apply)										
Multipaned Windows	2,130	107	235	465	233	331	189	174	131	265
Tinted, Reflective, or Shading Glass	1,283	30	97	168	96	195	114	199	138	245
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	550	11	82	94	36	106	26	63	44	89
Economizer Cycle	567	38	80	63	67	55	32	47	57	127
HVAC Maintenance	2,786	149	349	414	260	419	254	327	209	404
Energy Management and Control System (EMCS)	460	17	63	59	47	66	30	42	31	103
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	843	48	100	107	48	148	60	108	48	175
Electronic Ballasts	2,167	109	262	333	149	328	189	284	129	385
Skylights or Atriums	580	17	72	87	43	90	43	70	55	103

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

N=No responding cases in sample.

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

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

Table B5. Census Region and Division, Floorspace, 1999

	Total Floorspace (million square feet)									
	All Buildings	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
All Buildings	67,338	3,735	8,625	11,205	5,556	11,001	5,220	7,264	4,579	10,152
Building Floorspace (Square Feet)										
1,001 to 5,000	6,774	287	614	1,186	648	1,006	514	1,015	493	1,009
5,001 to 10,000	8,238	287	1,015	1,480	566	1,430	644	983	612	1,222
10,001 to 25,000	11,153	569	1,384	1,855	1,026	1,707	1,343	1,145	632	1,492
25,001 to 50,000	9,311	506	902	1,181	592	1,597	875	912	865	1,881
50,001 to 100,000	10,112	709	1,062	1,544	892	1,679	654	1,116	817	1,638
100,001 to 200,000	8,271	506	956	1,549	730	1,621	508	735	552	1,114
200,001 to 500,000	6,851	176	1,187	1,434	560	1,261	342	670	Q	971
Over 500,000	6,628	Q	1,507	976	543	698	Q	687	358	823
Principal Building Activity										
Education	8,651	575	1,139	1,506	744	997	438	913	758	1,580
Food Sales	994	Q	Q	Q	Q	Q	Q	135	Q	Q
Food Service	1,851	Q	Q	463	Q	302	Q	207	Q	292
Health Care	2,918	Q	335	502	248	585	132	367	201	434
Inpatient	1,865	Q	291	336	Q	312	Q	215	Q	233
Outpatient	1,053	Q	Q	Q	Q	273	Q	Q	Q	201
Lodging	4,521	Q	315	725	215	825	467	303	545	956
Mercantile	10,398	612	1,273	1,780	811	2,007	937	1,135	418	1,423
Retail (Other Than Mall)	4,766	Q	725	1,158	442	625	430	512	169	458
Enclosed and Strip Malls	5,631	Q	548	622	369	1,383	507	623	Q	966
Office	12,044	849	1,540	1,777	1,043	2,311	696	1,155	760	1,913
Public Assembly	4,393	Q	574	635	507	539	431	541	373	486
Public Order and Safety	1,168	Q	Q	Q	Q	Q	Q	Q	Q	Q
Religious Worship	3,405	Q	370	566	357	309	Q	487	Q	588
Service	3,388	Q	527	403	415	604	351	433	168	275
Warehouse and Storage	10,477	429	1,314	1,983	782	1,909	963	1,085	520	1,493
Other	1,222	Q	Q	Q	Q	Q	Q	Q	Q	Q
Vacant	1,908	Q	Q	412	Q	Q	Q	Q	Q	198
Year Constructed										
1919 or Before	4,034	458	933	1,215	360	346	Q	159	267	251
1920 to 1945	6,445	423	1,196	1,849	574	603	335	765	287	412
1946 to 1959	9,127	434	1,596	1,417	735	1,106	659	1,146	713	1,322
1960 to 1969	10,866	670	1,380	1,605	997	1,613	639	1,065	807	2,089
1970 to 1979	11,840	746	1,078	1,564	784	2,060	754	1,464	676	2,715
1980 to 1989	13,931	570	1,500	1,673	1,155	2,966	1,739	1,557	1,126	1,645
1990 to 1999	11,094	433	943	1,882	952	2,306	1,050	1,107	704	1,716
Floors										
One	26,800	835	2,295	3,976	1,824	5,249	2,611	3,965	1,958	4,086
Two	16,985	1,018	1,926	2,658	1,748	2,485	1,639	1,564	1,167	2,781
Three	8,928	674	1,587	2,049	675	1,043	417	646	631	1,205
Four to Nine	10,180	867	1,732	1,931	1,149	1,491	Q	636	659	1,302
Ten or More	4,445	Q	1,085	591	Q	733	Q	452	Q	777
Workers (main shift)										
Fewer than 5	14,321	521	1,385	2,847	1,186	2,314	1,158	2,108	1,118	1,685
5 to 9	6,325	450	923	1,146	544	705	454	571	465	1,069
10 to 19	8,028	425	1,048	1,315	615	1,447	856	632	470	1,220
20 to 49	10,814	479	1,096	1,820	755	1,745	1,167	1,261	812	1,680
50 to 99	8,898	715	1,099	1,014	862	1,508	537	831	587	1,745
100 to 249	8,356	579	1,123	1,605	623	1,575	526	756	573	997
250 or More	10,595	567	1,952	1,459	971	1,708	522	1,105	555	1,757

Table B5. Census Region and Division, Floorspace, 1999

	Total Floorspace (million square feet)									
	All Buildings	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Weekly Operating Hours										
39 or Fewer	6,596	249	651	1,305	546	1,053	594	884	689	625
40 to 48	13,105	527	1,352	1,680	1,309	1,943	1,370	1,952	1,242	1,730
49 to 60	14,200	1,085	1,707	2,455	1,122	2,549	681	1,387	788	2,426
61 to 84	12,458	846	1,637	2,149	939	2,201	743	1,254	496	2,193
85 to 167	9,116	464	1,349	1,848	683	1,267	951	759	574	1,220
Open Continuously	11,863	565	1,930	1,768	957	1,987	882	1,027	790	1,958
Ownership and Occupancy										
Nongovernment Owned	54,994	2,976	6,567	9,640	4,257	9,162	4,486	6,097	3,443	8,367
Owner Occupied	37,785	2,129	5,014	6,933	3,057	6,072	3,019	4,136	2,064	5,360
Nonowner Occupied	15,596	810	1,476	2,373	1,054	2,716	1,389	1,776	1,124	2,877
Unoccupied	1,613	Q	Q	334	Q	Q	Q	Q	Q	Q
Government Owned	12,343	759	2,059	1,565	1,300	1,839	734	1,167	1,136	1,785
Vacancy Status										
Completely Vacant	953	Q	Q	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant	956	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	15,520	1,003	1,689	2,890	1,141	2,656	992	1,900	1,022	2,226
Not At All Vacant	49,910	2,619	6,682	7,903	4,294	8,124	4,172	5,086	3,301	7,728
Number of Establishments										
One	43,343	2,225	5,440	7,546	3,753	6,407	3,558	4,758	3,066	6,588
2 to 5	10,582	610	1,575	2,042	858	1,659	751	1,012	538	1,537
6 to 10	3,574	Q	366	306	266	701	Q	353	262	806
11 to 20	3,260	376	329	319	260	826	Q	252	Q	499
More than 20	4,811	Q	830	606	Q	1,026	Q	686	Q	587
Currently Unoccupied	1,769	Q	Q	386	Q	Q	Q	Q	Q	Q
Energy Sources (more than one may apply)										
Electricity	65,716	3,615	8,349	10,940	5,449	10,817	5,149	7,110	4,292	9,995
Natural Gas	45,525	1,590	5,714	9,383	4,123	5,517	3,508	5,174	3,183	7,332
Fuel Oil	13,285	2,254	3,160	1,299	1,123	2,457	546	747	379	1,321
District Heat	5,891	180	1,718	799	722	504	Q	524	410	797
District Chilled Water	2,750	Q	252	282	464	359	Q	488	Q	494
Propane	6,290	858	848	752	653	1,455	694	239	Q	693
Other	2,322	Q	539	360	Q	268	Q	Q	Q	439
Energy End Uses (more than one may apply)										
Buildings with Space Heating	61,602	3,551	8,116	10,530	5,386	9,243	4,854	6,501	4,204	9,218
Buildings with Cooling	58,474	3,034	7,278	9,374	4,997	10,140	4,793	6,616	3,845	8,398
Buildings with Water Heating	56,115	3,187	7,390	9,131	4,571	8,900	4,247	5,867	3,993	8,828
Buildings with Cooking	24,681	1,487	3,758	4,088	1,953	4,531	1,552	2,486	1,533	3,292
Buildings with Manufacturing	3,126	Q	392	493	Q	388	Q	340	Q	568
Buildings with Electricity Generation	11,882	988	2,121	1,728	1,054	2,530	659	873	532	1,398
Percent of Floorspace Heated										
Not Heated	5,736	Q	510	675	Q	1,757	366	763	376	934
1 to 50	7,593	Q	810	1,177	393	981	697	860	471	1,960
51 to 99	10,745	446	1,242	1,665	657	2,030	1,123	1,182	465	1,935
100	43,264	2,863	6,064	7,687	4,335	6,232	3,034	4,460	3,268	5,322
Percent of Floorspace Cooled										
Not Cooled	8,864	701	1,348	1,831	559	861	427	648	735	1,754
1 to 50	16,846	1,105	2,808	3,490	1,578	2,070	1,136	1,412	871	2,375
51 to 99	16,966	917	2,279	3,015	1,726	2,970	1,220	1,610	1,028	2,200
100	24,662	1,012	2,190	2,869	1,693	5,099	2,438	3,593	1,945	3,823

Table B5. Census Region and Division, Floorspace, 1999

	Total Floorspace (million square feet)									
	All Buildings	Northeast		Midwest		South			West	
		New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
Percent Lit When Open										
Zero	173	Q	Q	Q	N	Q	Q	Q	Q	Q
1 to 50	9,187	479	1,140	1,866	620	1,436	728	849	572	1,497
51 to 99	20,665	1,259	2,822	3,830	1,983	2,973	1,248	2,171	1,373	3,005
100	34,233	1,832	4,245	4,927	2,741	5,916	3,080	3,821	2,273	5,398
Building Never Open/ Electricity Not Used										
	3,080	Q	Q	569	212	624	Q	410	337	245
Heating Equipment (more than one may apply)										
Heat Pumps	8,923	387	807	476	539	2,594	1,382	604	571	1,564
Furnaces	14,449	775	1,482	3,908	1,859	1,310	1,253	1,387	1,232	1,244
Individual Space Heaters	17,349	937	2,618	2,812	1,854	2,293	1,579	1,599	1,250	2,407
District Heat	5,534	180	1,696	792	722	423	Q	486	Q	758
Boilers	19,522	2,170	3,299	4,010	1,951	2,243	771	1,195	1,329	2,554
Packaged Heating Units	25,743	1,086	2,946	3,302	1,778	4,695	2,401	3,359	1,592	4,583
Other	4,073	Q	595	825	289	578	Q	576	311	488
Cooling Equipment (more than one may apply)										
Residential-Type Central										
Air Conditioners	8,329	Q	790	1,766	1,186	1,281	898	1,093	646	510
Heat Pumps	9,147	346	870	490	573	2,642	1,316	646	649	1,615
Individual Air Conditioners	14,276	1,316	2,581	2,525	1,200	1,940	1,386	1,200	642	1,487
District Chilled Water	2,750	Q	252	282	464	359	Q	488	Q	494
Central Chillers	12,909	719	2,063	2,013	1,136	2,269	591	1,468	753	1,897
Packaged Air Conditioning										
Units	36,527	1,796	4,844	5,463	2,735	6,575	3,147	4,193	2,206	5,568
Swamp Coolers	2,219	Q	Q	Q	Q	Q	Q	Q	986	638
Other	1,312	Q	Q	Q	Q	154	Q	Q	Q	Q
Main Equipment Replaced Since 1995 (more than one may apply)										
Heating	13,220	551	1,277	2,335	909	2,032	1,348	1,700	840	2,227
Cooling	17,390	972	2,108	2,891	917	3,237	1,576	2,276	1,009	2,405
Building Shell Conservation Features (more than one may apply)										
Multipaned Windows	38,193	2,534	5,029	7,421	4,125	5,989	2,820	3,171	2,478	4,624
Tinted, Reflective, or Shading Glass	29,915	1,347	3,178	4,234	2,130	5,279	2,330	3,637	2,337	5,443
HVAC Conservation Features (more than one may apply)										
Variable Air-Volume System	19,387	988	2,655	3,333	1,524	3,163	998	1,960	1,401	3,364
Economizer Cycle	21,256	1,419	3,215	3,305	2,384	3,025	1,015	1,818	1,586	3,489
HVAC Maintenance	53,395	3,266	7,374	8,461	4,564	8,699	4,107	5,176	3,772	7,977
Energy Management and Control System (EMCS)	21,613	1,404	2,806	3,591	1,705	3,694	1,036	2,378	1,564	3,434
Lighting Conservation Features (more than one may apply)										
Specular Reflectors	19,994	1,624	3,251	2,978	1,318	3,386	1,117	1,897	1,232	3,192
Electronic Ballasts	42,035	2,398	6,082	6,991	3,297	6,646	2,835	4,265	2,650	6,873
Skylights or Atriums	18,286	1,221	2,476	3,006	1,485	2,860	1,359	1,897	1,326	2,656

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

N=No responding cases in sample.

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

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