

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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	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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	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										
Tinted, Reflective, or Shading Glass	2,130	342	698	694	395	38,193	7,564	11,546	11,981	7,103
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.