

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

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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

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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.