

Table B19. Energy End Uses, Number of Buildings and Floorspace, 1999

	Number of Buildings (thousand)						Total Floorspace (million square feet)					
	All Buildings	Energy Used For (more than one may apply)					All Buildings	Energy Used For (more than one may apply)				
		Space Heating	Cooling	Water Heating	Cooking	Manufacturing		Space Heating	Cooling	Water Heating	Cooking	Manufacturing
All Buildings	4,657	4,016	3,560	3,239	857	151	67,338	61,602	58,474	56,115	24,681	3,126
Building Floorspace (Square Feet)												
1,001 to 5,000	2,348	1,982	1,680	1,456	357	Q	6,774	5,684	4,879	4,280	1,095	Q
5,001 to 10,000	1,110	946	828	778	176	36	8,238	7,090	6,212	5,748	1,272	318
10,001 to 25,000	708	629	611	574	150	28	11,153	9,865	9,530	9,000	2,415	519
25,001 to 50,000	257	237	223	222	72	11	9,311	8,565	8,116	8,088	2,630	390
50,001 to 100,000	145	137	134	127	54	9	10,112	9,597	9,401	8,887	3,901	600
100,001 to 200,000	59	57	55	54	29	3	8,271	7,893	7,609	7,527	4,092	478
200,001 to 500,000	23	22	21	21	14	1	6,851	6,445	6,345	6,258	4,254	283
Over 500,000	7	7	7	7	5	Q	6,628	6,465	6,382	6,327	5,020	Q
Principal Building Activity												
Education	327	326	274	240	106	Q	8,651	8,612	7,973	8,059	5,670	Q
Food Sales	174	149	166	163	85	Q	994	880	978	951	676	Q
Food Service	349	321	324	349	316	Q	1,851	1,721	1,760	1,846	1,761	Q
Health Care	127	127	127	126	11	Q	2,918	2,918	2,815	2,903	1,812	Q
Inpatient	11	11	11	11	9	Q	1,865	1,865	1,762	1,862	1,738	Q
Outpatient	116	116	116	115	Q	N	1,053	1,053	1,053	1,040	Q	N
Lodging	153	150	126	149	41	Q	4,521	4,424	4,051	4,442	2,401	Q
Mercantile	667	626	632	439	96	Q	10,398	9,848	10,174	8,698	5,218	Q
Retail (Other Than Mall)	534	502	499	323	29	Q	4,766	4,615	4,573	3,453	811	Q
Enclosed and Strip Malls	133	123	132	116	68	Q	5,631	5,233	5,601	5,244	4,407	Q
Office	739	728	716	615	19	Q	12,044	11,810	11,782	10,872	3,149	441
Public Assembly	305	274	232	249	101	Q	4,393	4,015	3,859	3,893	2,027	Q
Public Order and Safety	72	61	32	41	12	Q	1,168	1,021	760	830	301	Q
Religious Worship	307	306	232	252	51	N	3,405	3,383	2,765	3,109	842	N
Service	478	421	289	280	Q	25	3,388	3,027	2,481	2,351	Q	325
Warehouse and Storage	603	357	308	227	Q	51	10,477	8,104	7,621	6,743	Q	1,634
Other	102	84	76	64	Q	Q	1,222	1,086	1,087	983	Q	Q
Vacant	253	84	27	44	Q	Q	1,908	754	368	436	Q	Q
Year Constructed												
1919 or Before	419	350	260	277	69	Q	4,034	3,593	2,911	3,130	1,091	Q
1920 to 1945	499	430	313	311	85	Q	6,445	5,559	4,383	4,644	2,232	Q
1946 to 1959	763	666	589	493	115	28	9,127	8,402	7,601	7,154	3,195	535
1960 to 1969	665	557	496	493	131	19	10,866	9,966	9,325	9,421	4,178	409
1970 to 1979	774	691	649	592	161	32	11,840	10,916	11,050	10,182	4,551	555
1980 to 1989	846	713	702	623	173	37	13,931	12,566	12,849	12,137	5,030	744
1990 to 1999	690	608	549	450	124	Q	11,094	10,600	10,355	9,446	4,403	485
Census Region												
Northeast	686	601	473	515	141	22	12,360	11,667	10,311	10,577	5,245	568
Midwest	1,188	1,049	861	776	221	18	16,761	15,916	14,371	13,702	6,042	818
South	1,762	1,503	1,506	1,179	315	87	23,485	20,598	21,549	19,014	8,569	1,035
West	1,021	863	720	769	181	24	14,731	13,421	12,243	12,822	4,825	706
Climate Zone: 45-Year Average												
Under 2,000 CDD and --												
More than 7,000 HDD	525	475	366	396	97	Q	5,890	5,669	4,804	5,090	2,213	319
5,500-7,000 HDD	986	870	711	674	189	9	17,083	16,206	14,289	14,123	6,319	571
4,000-5,499 HDD	1,085	950	766	751	200	43	16,243	15,292	13,999	13,800	6,558	869
Fewer than 4,000 HDD	1,134	997	913	836	211	34	16,333	14,923	14,535	14,128	5,519	827
2,000 CDD or More and --												
Fewer than 4,000 HDD	926	724	803	582	160	53	11,788	9,512	10,847	8,973	4,072	540

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		Space Heating	Cooling	Water Heating	Cooking	Manufacturing		Space Heating	Cooling	Water Heating	Cooking	Manufacturing
Workers (main shift)												
Fewer than 5	2,376	1,835	1,513	1,312	287	Q	14,321	10,552	8,704	8,401	1,651	Q
5 to 9	807	773	681	643	131	24	6,325	6,020	5,291	5,145	1,341	230
10 to 19	683	667	636	586	172	31	8,028	7,762	7,409	7,000	2,021	477
20 to 49	487	456	433	417	154	29	10,814	10,347	9,930	9,445	3,871	645
50 to 99	174	166	169	159	65	12	8,898	8,536	8,519	8,166	4,354	544
100 to 249	90	81	88	85	30	3	8,356	8,053	8,129	7,760	4,305	436
250 or More	39	38	39	36	18	2	10,595	10,333	10,491	10,199	7,138	544
Weekly Operating Hours												
39 or Fewer	978	638	439	427	93	Q	6,596	4,217	3,113	3,340	884	Q
40 to 48	1,156	1,068	968	779	97	47	13,105	12,090	11,041	10,049	2,492	753
49 to 60	986	943	850	746	131	43	14,200	13,677	13,225	12,280	4,159	717
61 to 84	664	598	563	521	188	24	12,458	11,787	11,701	11,334	6,052	607
85 to 167	474	407	436	436	264	5	9,116	8,399	8,528	8,041	4,659	423
Open Continuously	398	361	304	330	85	Q	11,863	11,432	10,866	11,070	6,435	474
Energy Sources (more than one may apply)												
Electricity	4,395	4,008	3,560	3,239	857	151	65,716	61,565	58,474	56,115	24,681	3,126
Natural Gas	2,670	2,588	2,335	2,191	615	77	45,525	44,385	42,147	41,366	19,857	2,322
Fuel Oil	434	432	302	288	92	35	13,285	13,074	12,185	11,852	7,840	555
District Heat	117	116	97	101	28	Q	5,891	5,862	5,165	5,301	2,487	Q
District Chilled Water	50	49	50	37	6	Q	2,750	2,739	2,750	2,455	1,047	Q
Propane	451	434	318	334	158	Q	6,290	6,076	5,415	5,409	3,005	403
Other	153	149	107	89	47	Q	2,322	2,276	2,069	1,887	1,331	Q
Energy End Uses (more than one may apply)												
Buildings with Space Heating	4,016	4,016	3,400	3,087	798	143	61,602	61,602	56,361	54,204	23,813	3,031
Buildings with Cooling	3,560	3,400	3,560	2,915	792	129	58,474	56,361	58,474	52,589	23,730	2,861
Buildings with Water Heating	3,239	3,087	2,915	3,239	818	89	56,115	54,204	52,589	56,115	23,830	2,364
Buildings with Cooking	857	798	792	818	857	Q	24,681	23,813	23,730	23,830	24,681	495
Buildings with Manufacturing	151	143	129	89	Q	151	3,126	3,031	2,861	2,364	495	3,126
Buildings with Electricity Generation	172	169	149	143	63	Q	11,882	11,643	11,538	11,079	7,823	330
Energy-Related Space Functions (more than one may apply)												
Commercial Food Preparation	767	711	716	733	767	Q	23,328	22,488	22,457	22,563	23,328	478
Activities with Large Amounts of Hot Water	698	674	635	698	422	Q	21,793	21,325	20,687	21,793	16,513	584

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.