

# Energy Consumption & Expenditures

## Electricity Peak Demand by: Demand Metering and Season of Peak Demand (8 pages, 50 kb)

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<p>These data are from the 1995 Commercial Buildings Energy Consumption Survey (CBECS), a national probability sample survey of commercial buildings sponsored by the Energy Information Administration, that provides information on the use of energy in commercial buildings in the United States. The 1995 CBECS was the sixth survey in a series begun in 1979. The data were collected from a sample of 6,639 buildings representing 4.6 million commercial buildings and 58.8 billion square feet of commercial floorspace in the U.S. The 1995 data are available for the four Census regions and nine Census division.</p> <p>Data provided here are in the public domain and may be reproduced without permission. appropriate credit would be appreciated. A suggested citation is "U.S. Department of Energy, Energy Information Administration, "A Look at Commercial Buildings in 1995: Characteristics, Energy Consumption, and Energy Expenditures."</p> <p><b>Electronic Products and Services</b></p> <p>Users can view and download selected pages, sections, or entire reports, search for information, download data and analysis applications, and find out about new information products and services.</p> <p><b>Contact:</b> Martha Johnson, Survey Manager (<a href="mailto:martha.johnson@eia.doe.gov">martha.johnson@eia.doe.gov</a>)</p> <p><b>World Wide Web:</b> <a href="http://www.eia.doe.gov/emeu/consumption">http://www.eia.doe.gov/emeu/consumption</a></p>	

**Table 15. Season of Peak Electricity Demand, Number of Buildings and Floorspace, 1995**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	0.9	0.7	0.9	1.3	2.0	0.9	0.6	0.7	1.0	2.0	
All Buildings .....	2,121	2,223	1,361	671	191	18,371	38,705	24,462	11,872	2,371	8.41
Building Floorspace (square feet)											
1,001 to 5,000 .....	1,296	957	584	276	97	3,334	2,619	1,633	756	230	13.36
5,001 to 10,000 .....	466	504	313	144	47	3,407	3,654	2,283	1,022	349	15.56
10,001 to 25,000 .....	256	468	281	156	31	3,815	7,488	4,538	2,378	573	15.29
25,001 to 50,000 .....	60	151	88	53	10	2,180	5,455	3,143	1,942	370	12.92
50,001 to 100,000 .....	26	88	59	26	Q	1,788	6,114	4,034	1,836	Q	12.30
100,001 to 200,000 .....	10	36	23	11	Q	1,416	5,182	3,272	1,589	Q	17.23
200,001 to 500,000 .....	4	14	10	4	Q	1,328	4,222	2,837	1,177	Q	17.08
Over 500,000 .....	1	4	3	1	Q	1,103	3,971	2,723	1,172	Q	20.55
Principal Building Activity											
Education .....	110	198	124	67	8	2,237	5,448	3,159	1,901	388	16.07
Food Sales .....	38	99	54	Q	Q	155	486	338	Q	Q	28.22
Food Service .....	95	189	147	Q	Q	427	926	778	Q	Q	24.95
Health Care .....	33	72	35	37	Q	515	1,818	1,474	305	Q	25.73
Lodging .....	69	89	49	39	Q	974	2,626	1,490	1,089	Q	22.37
Mercantile and Service .....	630	644	327	218	100	4,344	8,286	4,580	2,832	874	14.25
Office .....	356	349	249	96	5	2,739	7,728	5,332	2,213	182	15.13
Public Assembly .....	181	145	103	29	Q	1,442	2,487	1,636	660	Q	24.28
Public Order and Safety .....	47	40	35	Q	Q	439	832	649	Q	Q	42.14
Religious Worship .....	168	102	67	28	Q	1,324	1,468	934	451	Q	29.03
Warehouse and Storage .....	290	187	100	55	32	2,806	5,209	3,156	1,618	435	21.72
Other .....	Q	49	38	Q	Q	295	705	610	Q	Q	47.65
Vacant .....	85	59	Q	18	Q	673	685	Q	296	Q	31.45
Year Constructed											
1919 or Before .....	172	163	85	57	Q	1,503	2,024	1,225	557	Q	23.98
1920 to 1945 .....	274	234	146	64	24	2,076	4,099	2,346	1,322	431	21.48
1946 to 1959 .....	427	411	262	115	34	3,106	6,017	3,869	1,839	309	17.24
1960 to 1969 .....	358	337	219	83	35	3,190	7,459	4,922	2,026	511	16.54
1970 to 1979 .....	342	466	277	152	37	3,499	7,746	4,896	2,456	395	14.81
1980 to 1989 .....	328	464	285	142	38	3,528	8,381	5,368	2,686	328	15.60
1990 to 1992 .....	121	83	52	30	Q	833	1,711	1,116	532	Q	23.34
1993 to 1995 .....	98	64	36	26	Q	637	1,268	721	455	Q	31.75
Census Region and Division											
Northeast .....	242	455	274	146	34	2,845	8,599	5,511	2,667	421	18.19
New England .....	108	82	49	32	Q	1,497	1,575	949	580	Q	32.79
Middle Atlantic .....	134	373	226	114	Q	1,347	7,025	4,562	2,087	Q	21.51
Midwest .....	587	486	297	128	62	5,136	8,751	5,311	2,577	863	17.24
East North Central .....	385	313	183	83	47	3,554	5,868	3,236	1,940	692	21.63
West North Central .....	202	173	114	Q	Q	1,582	2,883	2,075	637	Q	26.48
South .....	793	855	529	256	70	5,792	14,365	9,250	4,319	796	12.40
South Atlantic .....	326	316	196	104	17	2,325	6,977	4,444	2,235	297	17.00
East South Central .....	279	159	92	59	Q	2,235	2,438	1,605	776	Q	30.78
West South Central .....	188	380	241	94	46	Q	4,950	3,201	1,308	442	16.16
West .....	499	426	261	140	Q	4,599	6,989	4,389	2,309	291	19.32
Mountain .....	154	149	83	46	Q	1,396	2,425	1,364	880	Q	32.77
Pacific .....	345	277	178	94	5	3,202	4,564	3,025	1,429	110	22.60
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD .....	283	183	133	34	Q	1,951	2,983	2,001	706	Q	30.46
5,500-7,000 HDD .....	413	522	284	182	57	4,952	9,403	5,095	3,471	837	16.98
4,000-5,499 HDD .....	550	455	252	164	39	4,385	10,174	6,458	3,357	358	17.17
Fewer than 4,000 HDD .....	537	514	340	154	20	5,435	7,833	5,387	2,012	433	21.80
More than 2,000 CDD and --											
Fewer than 4,000 HDD .....	337	548	352	136	60	1,648	8,312	5,520	2,325	467	15.72

See footnotes at end of table.

**Table 15. Season of Peak Electricity Demand, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	0.9	0.7	0.9	1.3	2.0	0.9	0.6	0.7	1.0	2.0	
Workers (main shift)											
Fewer than 5 .....	1,290	984	550	313	121	6,022	6,320	3,361	2,165	794	12.58
5 to 9 .....	344	453	298	120	Q	2,122	4,148	2,564	1,175	Q	17.64
10 to 19 .....	300	325	213	98	Q	2,933	4,168	2,631	1,342	195	16.32
20 to 49 .....	120	276	174	86	16	2,446	6,657	4,123	2,141	393	15.73
50 to 99 .....	36	101	67	31	Q	1,448	5,412	3,434	1,815	Q	16.46
100 to 249 .....	16	55	37	16	Q	1,464	4,511	2,995	1,357	Q	15.31
250 or More .....	Q	30	21	7	Q	1,936	7,488	5,353	1,877	Q	15.02
Weekly Operating Hours											
39 or Fewer .....	511	235	134	64	Q	2,795	2,137	1,370	567	Q	22.71
40 to 48 .....	672	582	355	185	42	4,595	8,547	5,287	2,786	474	13.61
49 to 60 .....	438	511	308	152	52	3,895	8,239	4,879	2,655	705	14.95
61 to 84 .....	225	341	204	107	30	2,999	7,022	3,913	2,621	489	16.74
85 to 167 .....	116	291	194	76	Q	1,732	4,427	3,126	1,001	Q	15.96
Open Continuously .....	159	262	166	86	10	2,356	8,332	5,887	2,242	203	15.84
Ownership and Occupancy											
Nongovernment Owned .....	1,898	1,913	1,166	583	164	15,339	29,885	18,785	9,321	1,779	9.28
Owner Occupied .....	1,559	1,504	912	460	132	11,957	23,153	14,510	7,333	1,311	10.01
Nonowner Occupied .....	295	374	238	110	26	3,062	6,457	4,117	1,893	446	18.15
Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Government Owned .....	223	310	195	87	27	3,032	8,819	5,677	2,551	592	15.13
Space in Building Vacant for at Least Three Consecutive Months											
Yes .....	358	288	178	83	27	4,918	9,712	6,270	2,872	570	16.55
No .....	1,762	1,935	1,183	588	164	13,453	28,993	18,192	9,000	1,801	8.83
Energy Sources (more than one may apply)											
Electricity .....	2,121	2,223	1,361	671	191	18,371	38,705	24,462	11,872	2,371	8.41
Natural Gas .....	1,075	1,401	948	331	122	11,339	26,670	17,982	6,992	1,696	10.43
Fuel Oil .....	331	264	156	82	Q	4,157	10,188	6,861	2,857	Q	18.51
District Heat .....	Q	84	60	22	Q	1,317	4,329	3,301	879	Q	36.45
District Chilled Water .....	10	43	Q	14	Q	582	1,935	1,300	536	Q	33.83
Propane .....	319	270	178	91	Q	1,955	3,386	2,216	1,105	Q	20.93
Other .....	116	90	47	Q	Q	709	1,522	813	516	Q	32.07
Energy End Uses (more than one may apply)											
Buildings with Space Heating .....	1,913	2,091	1,290	619	182	17,165	36,945	23,634	11,158	2,154	8.47
Buildings with Cooling .....	1,489	1,887	1,203	542	142	14,706	35,079	22,902	10,247	1,930	8.58
Buildings with Water Heating .....	1,593	1,879	1,176	552	151	15,637	35,726	22,988	10,771	1,967	8.92
Buildings with Cooking .....	304	523	381	122	20	5,734	14,876	9,912	4,323	642	11.68
Buildings with Manufacturing .....	83	121	75	38	Q	1,112	2,772	1,986	686	Q	23.46
Buildings with Electricity Generation .....	84	162	105	50	Q	2,877	10,470	7,367	2,888	Q	15.90
Space-Heating Energy Source											
Electricity .....	685	783	350	369	63	6,772	15,383	7,901	6,736	746	12.09
Electricity Main .....	461	546	227	269	50	4,054	9,447	4,451	4,598	397	13.14
Electricity Secondary .....	224	237	123	100	Q	2,719	5,937	3,450	2,138	Q	16.69
Other Excluding Electricity .....	1,228	1,308	939	250	118	10,393	21,562	15,732	4,422	1,408	10.32
Buildings without Space Heating .....	208	132	71	51	Q	1,207	1,759	828	714	Q	31.43

See footnotes at end of table.

**Table 15. Season of Peak Electricity Demand, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	0.9	0.7	0.9	1.3	2.0	0.9	0.6	0.7	1.0	2.0	
Primary Space-Heating											
Energy Source											
Electricity .....	461	546	227	269	50	4,054	9,447	4,451	4,598	397	13.14
Natural Gas .....	937	1,168	804	251	113	8,934	19,752	13,705	4,589	1,458	11.33
Fuel Oil .....	269	158	102	51	Q	1,739	2,413	1,535	781	Q	26.32
District Heat .....	26	82	58	22	Q	1,286	3,992	3,054	793	Q	28.94
Propane .....	160	100	81	Q	Q	777	765	554	Q	Q	30.57
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Source											
Electricity .....	1,469	1,824	1,167	515	141	14,229	33,533	21,877	9,748	1,908	8.72
Other Excluding Electricity .....	20	63	35	Q	Q	477	1,546	1,025	498	Q	34.05
Buildings without Cooling .....	631	336	158	128	49	3,666	3,626	1,560	1,625	441	20.14
Water-Heating Energy Source											
Electricity .....	838	846	453	329	64	7,074	15,982	9,394	5,870	717	12.36
Other Excluding Electricity .....	755	1,033	723	223	87	8,563	19,743	13,593	4,901	1,249	10.92
Buildings without Water Heating .....	528	344	185	119	40	2,734	2,979	1,474	1,100	404	19.31
Cooking Energy Source											
Electricity .....	188	299	214	78	Q	3,350	8,899	5,795	2,823	Q	14.61
Other Excluding Electricity .....	116	224	167	45	12	2,385	5,977	4,117	1,500	360	15.78
Buildings without Cooking .....	1,817	1,700	980	548	171	12,637	23,828	14,550	7,549	1,729	9.47
Percent of Floorspace Heated											
Not Heated .....	208	132	71	51	Q	1,207	1,759	828	714	Q	31.43
1 to 50 .....	301	242	138	48	56	2,181	3,971	2,331	1,077	564	20.98
51 to 99 .....	304	326	210	97	19	3,099	5,761	3,717	1,776	268	17.12
100 .....	1,308	1,523	941	475	107	11,885	27,214	17,586	8,305	1,323	9.38
Percent of Floorspace Cooled											
Not Cooled .....	631	336	158	128	49	3,666	3,626	1,560	1,625	441	20.14
1 to 50 .....	468	458	240	156	61	5,127	9,790	5,200	3,553	1,037	14.38
51 to 99 .....	253	382	280	78	23	3,214	9,322	6,837	2,164	321	14.66
100 .....	768	1,047	682	308	58	6,364	15,967	10,864	4,530	573	11.69
Percent Lit when Open											
Zero .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50 .....	393	272	146	82	45	2,710	3,298	1,747	1,059	492	18.84
51 to 99 .....	306	439	279	123	38	2,891	6,801	4,444	2,040	317	15.70
100 .....	1,351	1,463	902	452	109	12,272	28,242	18,047	8,635	1,560	9.86
Building Not in Use/ Electricity Not Used .....	48	Q	Q	Q	Q	378	Q	Q	Q	Q	40.91
Percent Lit when Closed											
Zero .....	945	699	424	185	90	5,432	7,669	4,362	2,250	1,057	13.97
1 to 50 .....	929	1,180	724	365	91	9,772	20,940	13,144	6,734	1,061	10.39
51 to 100 .....	40	47	25	Q	Q	434	1,480	893	Q	Q	31.89
Never Closed .....	159	262	166	86	10	2,356	8,321	5,887	2,231	203	15.86
Building Not in Use/ Electricity Not Used .....	48	Q	Q	Q	Q	378	Q	Q	Q	Q	40.91
Annual Consumption (kilowatthours)											
10,000 or Less .....	668	160	108	Q	Q	2,480	579	340	Q	Q	22.44
10,001 to 50,000 .....	924	705	399	216	90	5,335	4,362	2,305	1,501	556	15.94
50,001 to 100,000 .....	258	484	294	155	36	2,223	4,653	2,733	1,505	414	18.59
100,001 to 500,000 .....	222	682	422	225	36	3,587	11,229	6,577	3,962	689	12.64
500,001 to 1,000,000 .....	26	100	72	25	Q	1,236	4,466	2,946	1,296	Q	16.84
1,000,001 to 5,000,000 .....	19	79	57	20	Q	1,973	8,205	5,775	2,169	Q	14.72
Over 5,000,000 .....	4	13	10	3	Q	1,537	5,211	3,785	1,315	Q	20.99

See footnotes at end of table.

**Table 15. Season of Peak Electricity Demand, Number of Buildings and Floorspace, 1995 (Continued)**

Building Characteristics	Number of Buildings (thousand)					Total Floorspace (million square feet)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	0.9	0.7	0.9	1.3	2.0	0.9	0.6	0.7	1.0	2.0	
<b>Peak Electricity Demand (kilowatts)</b>											
10 or Less .....	Q	284	164	59	61	Q	1,311	533	Q	351	20.40
11 to 25 .....	Q	589	360	163	66	Q	3,621	1,935	1,320	366	19.13
26 to 50 .....	Q	561	358	174	30	Q	5,062	3,255	1,359	448	17.31
51 to 100 .....	Q	387	250	124	14	Q	5,699	3,582	1,826	291	16.13
101 to 250 .....	Q	262	149	96	17	Q	7,670	4,726	2,476	468	13.57
251 to 1,000 .....	Q	116	70	44	Q	Q	8,883	6,302	2,256	Q	13.05
Over 1,000 .....	Q	23	11	11	Q	Q	6,458	4,129	2,207	Q	14.89

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.

**Table 16. Electricity Consumption and Conditional Energy Intensity by Season of Peak Demand, 1995**

Building Characteristics	Total Electricity Consumption (billion kWh)					Electricity Energy Intensity (kWh/sq. ft.)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	1.3	0.7	0.9	1.1	2.1	0.9	0.6	0.7	0.8	1.8	
All Buildings .....	186	579	403	156	20	10.10	14.95	16.46	13.11	8.64	8.51
Building Floorspace (square feet)											
1,001 to 5,000 .....	37	74	46	24	4	11.23	28.26	28.33	31.86	15.91	15.82
5,001 to 10,000 .....	22	48	31	13	4	6.42	13.10	13.78	12.35	10.89	17.40
10,001 to 25,000 .....	29	83	55	26	2	7.70	11.13	12.05	11.05	4.15	15.08
25,001 to 50,000 .....	19	73	48	23	2	8.79	13.46	15.38	11.75	6.15	12.53
50,001 to 100,000 .....	20	87	66	20	Q	11.13	14.17	16.35	10.63	Q	15.09
100,001 to 200,000 .....	24	74	52	18	Q	17.12	14.37	15.84	11.53	Q	15.30
200,001 to 500,000 .....	15	74	56	16	Q	11.64	17.65	19.91	13.84	Q	21.79
Over 500,000 .....	18	65	48	16	Q	16.38	16.27	17.54	13.38	Q	20.60
Principal Building Activity											
Education .....	17	48	29	17	2	7.53	8.78	9.22	8.84	4.93	10.55
Food Sales .....	7	27	16	Q	Q	47.85	56.16	47.70	Q	Q	18.81
Food Service .....	10	39	32	Q	Q	23.61	41.69	41.49	Q	Q	27.68
Health Care .....	13	49	40	7	Q	25.87	26.68	27.45	23.25	Q	14.30
Lodging .....	12	43	24	18	Q	12.06	16.41	16.25	16.95	Q	16.70
Mercantile and Service .....	38	111	72	32	6	8.75	13.37	15.75	11.43	7.16	14.82
Office .....	46	152	107	42	3	16.67	19.71	20.10	18.87	18.68	13.49
Public Assembly .....	13	37	28	7	Q	8.98	14.85	16.96	10.97	Q	18.69
Public Order and Safety .....	3	11	9	Q	Q	6.96	13.58	14.32	Q	Q	47.97
Religious Worship .....	4	6	4	2	Q	2.96	3.84	4.12	3.59	Q	20.20
Warehouse and Storage .....	14	37	26	9	Q	5.14	7.13	8.26	5.28	5.83	19.14
Other .....	Q	16	13	Q	Q	20.78	22.69	20.94	Q	Q	28.79
Vacant .....	2	3	Q	2	Q	2.86	4.84	Q	5.10	Q	33.41
Year Constructed											
1919 or Before .....	6	23	17	4	Q	4.16	11.29	13.69	8.03	Q	29.85
1920 to 1945 .....	12	38	27	11	1	5.97	9.36	11.35	8.04	2.58	17.23
1946 to 1959 .....	25	70	47	21	3	8.02	11.67	12.09	11.37	8.10	15.64
1960 to 1969 .....	29	109	84	21	5	9.03	14.68	17.00	10.45	9.07	16.35
1970 to 1979 .....	44	136	92	41	3	12.59	17.58	18.81	16.62	8.31	15.77
1980 to 1989 .....	47	143	99	39	5	13.25	17.07	18.37	14.54	16.48	13.00
1990 to 1992 .....	13	34	23	11	Q	16.04	20.12	20.50	19.91	Q	20.93
1993 to 1995 .....	9	24	15	Q	Q	14.15	19.11	21.20	Q	Q	27.10
Census Region and Division											
Northeast .....	19	109	76	31	2	6.60	12.69	13.77	11.57	5.58	14.92
New England .....	10	19	13	5	Q	6.73	11.93	13.80	9.33	Q	18.12
Middle Atlantic .....	9	90	63	25	Q	6.45	12.86	13.76	12.19	Q	19.22
Midwest .....	39	125	87	33	Q	7.54	14.25	16.36	12.64	6.09	14.56
East North Central .....	27	77	50	23	Q	7.67	13.12	15.55	11.73	5.68	17.17
West North Central .....	11	48	37	10	Q	7.25	16.56	17.63	15.41	Q	25.03
South .....	73	228	157	61	10	12.65	15.85	16.97	14.08	12.52	11.90
South Atlantic .....	24	119	82	33	4	10.20	17.07	18.38	14.86	14.08	13.72
East South Central .....	32	38	26	11	Q	14.28	15.51	16.17	13.99	Q	32.73
West South Central .....	Q	71	49	17	5	14.33	14.30	15.40	12.78	10.81	16.25
West .....	55	117	83	31	3	11.91	16.78	18.91	13.58	10.02	17.73
Mountain .....	16	37	23	13	Q	11.31	15.46	17.11	14.30	Q	30.58
Pacific .....	39	80	60	19	1	12.17	17.47	19.71	13.14	12.21	21.69

See footnotes at end of table.

**Table 16. Electricity Consumption and Conditional Energy Intensity by Season of Peak Demand, 1995 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)					Electricity Energy Intensity (kWh/sq. ft.)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	1.3	0.7	0.9	1.1	2.1	0.9	0.6	0.7	0.8	1.8	
Climate Zone: 45-Year Average											
Fewer than 2,000 CDD and --											
More than 7,000 HDD .....	12	40	31	8	Q	6.37	13.37	15.41	10.79	Q	21.62
5,500-7,000 HDD .....	45	123	75	42	Q	9.03	13.05	14.75	12.22	6.12	15.05
4,000-5,499 HDD .....	44	161	116	42	3	9.97	15.85	17.98	12.66	7.40	16.93
Fewer than 4,000 HDD .....	70	120	86	30	4	12.79	15.35	15.94	14.89	10.25	17.49
More than 2,000 CDD and --											
Fewer than 4,000 HDD .....	15	135	95	33	7	9.17	16.20	17.16	14.23	14.65	16.21
Workers (main shift)											
Fewer than 5 .....	32	64	35	24	6	5.32	10.10	10.27	11.01	6.94	17.19
5 to 9 .....	17	48	32	14	Q	8.08	11.68	12.66	11.75	Q	18.94
10 to 19 .....	30	56	39	15	2	10.14	13.45	14.93	11.20	8.96	17.66
20 to 49 .....	27	96	65	29	3	11.08	14.49	15.74	13.34	7.66	14.19
50 to 99 .....	20	71	50	20	Q	13.48	13.17	14.66	10.86	Q	13.34
100 to 249 .....	22	75	56	18	Q	15.23	16.72	18.55	13.34	Q	15.49
250 or More .....	38	167	126	37	Q	19.45	22.33	23.48	19.46	Q	15.18
Weekly Operating Hours											
39 or Fewer .....	6	12	7	3	Q	2.31	5.40	5.42	5.08	Q	21.62
40 to 48 .....	35	83	54	25	4	7.61	9.73	10.29	9.00	7.81	13.83
49 to 60 .....	36	109	76	29	5	9.30	13.29	15.50	10.85	7.17	17.72
61 to 84 .....	36	92	55	32	4	11.89	13.07	14.15	12.33	8.40	12.27
85 to 167 .....	33	94	72	20	Q	19.27	21.24	23.07	19.94	Q	14.71
Open Continuously .....	39	189	138	47	4	16.50	22.65	23.40	20.76	21.85	13.28
Ownership and Occupancy											
Nongovernment Owned .....	152	440	299	125	16	9.89	14.71	15.93	13.38	8.82	8.70
Owner Occupied .....	121	351	239	99	12	10.10	15.15	16.50	13.52	9.40	9.59
Nonowner Occupied .....	30	88	59	25	3	9.87	13.60	14.43	13.34	7.04	15.17
Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Government Owned .....	34	139	103	31	5	11.18	15.78	18.23	12.10	8.12	16.30
Space in Building Vacant for at Least Three Consecutive Months											
Yes .....	50	124	84	34	6	10.20	12.78	13.42	11.94	9.91	13.41
No .....	135	455	319	121	15	10.06	15.68	17.51	13.48	8.24	9.15
Energy Sources (more than one may apply)											
Electricity .....	186	579	403	156	20	10.10	14.95	16.46	13.11	8.64	8.51
Natural Gas .....	118	381	284	84	13	10.45	14.29	15.77	12.06	7.71	9.52
Fuel Oil .....	51	177	133	38	Q	12.27	17.39	19.44	13.33	Q	12.40
District Heat .....	25	82	67	14	Q	18.82	18.93	20.35	15.50	Q	24.03
District Chilled Water .....	12	43	33	8	Q	20.85	22.18	25.28	15.66	Q	23.45
Propane .....	13	52	40	12	Q	6.78	15.47	18.15	10.47	Q	21.13
Other .....	6	18	13	5	Q	8.85	11.86	15.44	9.42	Q	26.48
Energy End Uses (more than one may apply)											
Buildings with Space Heating .....	183	563	394	149	19	10.66	15.23	16.67	13.39	8.89	8.69
Buildings with Cooling .....	171	554	390	145	19	11.60	15.80	17.03	14.15	9.99	8.51
Buildings with Water Heating .....	174	557	391	148	19	11.13	15.60	16.99	13.70	9.64	8.56
Buildings with Cooking .....	81	283	210	66	7	14.19	19.05	21.21	15.19	11.58	11.29
Buildings with Manufacturing .....	9	37	30	6	Q	8.18	13.32	15.08	8.41	Q	25.35
Buildings with Electricity Generation	47	205	155	44	Q	16.34	19.55	21.03	15.38	Q	10.07

See footnotes at end of table.

**Table 16. Electricity Consumption and Conditional Energy Intensity by Season of Peak Demand, 1995 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)					Electricity Energy Intensity (kWh/sq. ft.)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	1.3	0.7	0.9	1.1	2.1	0.9	0.6	0.7	0.8	1.8	
Space-Heating Energy Source											
Electricity .....	87	272	159	104	9	12.77	17.67	20.10	15.44	12.13	11.80
Electricity Main .....	53	184	98	79	7	13.12	19.50	21.97	17.29	17.38	14.45
Electricity Secondary .....	33	88	61	25	2	12.25	14.77	17.69	11.46	6.16	15.71
Other Excluding Electricity .....	96	291	235	45	10	9.28	13.48	14.94	10.28	7.18	9.67
Buildings without Space Heating .....	3	16	9	6	Q	2.16	9.25	10.62	8.60	Q	35.97
Primary Space-Heating Energy Source											
Electricity .....	53	184	98	79	7	13.12	19.50	21.97	17.29	17.38	14.45
Natural Gas .....	92	258	201	48	10	10.33	13.08	14.66	10.38	6.69	9.73
Fuel Oil .....	7	20	13	6	Q	4.26	8.15	8.68	7.52	Q	18.89
District Heat .....	24	77	64	12	Q	18.68	19.27	20.87	15.31	Q	19.35
Propane .....	4	15	12	Q	Q	5.21	19.72	22.31	Q	Q	41.55
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Source											
Electricity .....	162	525	368	139	19	11.36	15.67	16.80	14.24	10.02	8.53
Other Excluding Electricity .....	9	29	23	6	Q	18.71	18.70	22.02	12.39	Q	31.66
Buildings without Cooling .....	15	24	13	11	1	4.09	6.74	8.09	6.54	2.73	23.75
Water-Heating Energy Source											
Electricity .....	77	256	161	86	9	10.95	16.01	17.13	14.65	12.54	12.67
Other Excluding Electricity .....	97	301	230	62	10	11.28	15.26	16.90	12.56	7.98	9.41
Buildings without Water Heating .....	11	22	12	8	2	4.19	7.25	8.18	7.29	3.76	24.77
Cooking Energy Source											
Electricity .....	59	184	135	45	Q	17.62	20.71	23.34	15.77	Q	13.41
Other Excluding Electricity .....	22	99	75	21	3	9.37	16.57	18.21	14.10	8.06	13.72
Buildings without Cooking .....	104	295	192	90	13	8.24	12.40	13.23	11.91	7.55	9.44
Percent of Floorspace Heated											
Not Heated .....	3	16	9	6	Q	2.16	9.25	10.62	8.60	Q	35.97
1 to 50 .....	13	30	21	7	2	5.77	7.51	9.13	6.07	3.55	18.02
51 to 99 .....	31	98	72	23	3	9.92	17.06	19.27	13.06	12.95	19.15
100 .....	140	434	301	120	14	11.75	15.96	17.12	14.41	10.35	8.30
Percent of Floorspace Cooled											
Not Cooled .....	15	24	13	11	1	4.09	6.74	8.09	6.54	2.73	23.75
1 to 50 .....	31	74	44	25	6	5.97	7.60	8.39	7.02	5.65	11.38
51 to 99 .....	44	169	130	34	5	13.81	18.09	18.98	15.60	15.92	14.23
100 .....	95	311	217	86	8	15.01	19.50	19.95	19.05	14.53	10.09
Percent Lit when Open											
Zero .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50 .....	11	25	12	12	2	4.09	7.71	7.00	10.92	3.35	22.13
51 to 99 .....	27	93	64	26	4	9.40	13.74	14.48	12.52	11.25	12.88
100 .....	147	459	325	118	15	11.97	16.23	18.02	13.68	9.79	9.54
Building Not in Use/ Electricity Not Used .....	(*)	Q	Q	Q	Q	0.85	Q	Q	Q	Q	33.84
Percent Lit when Closed											
Zero .....	34	66	44	17	5	6.19	8.60	9.99	7.67	4.81	14.93
1 to 50 .....	105	290	197	82	10	10.72	13.83	15.00	12.23	9.53	9.16
51 to 100 .....	8	33	Q	Q	Q	18.32	22.50	26.06	Q	Q	42.56
Never Closed .....	39	189	138	46	4	16.50	22.67	23.40	20.81	21.85	13.29
Building Not in Use/ Electricity Not Used .....	(*)	Q	Q	Q	Q	0.85	Q	Q	Q	Q	33.84

See footnotes at end of table.



**Table 16. Electricity Consumption and Conditional Energy Intensity by Season of Peak Demand, 1995 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)					Electricity Energy Intensity (kWh/sq. ft.)					RSE Row Factor
	Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			Buildings Not Demand- Metered	Demand- Metered Buildings	Season of Peak Electricity Demand			
			Summer	Winter	Summer and Winter			Summer	Winter	Summer and Winter	
RSE Column Factor:	1.3	0.7	0.9	1.1	2.1	0.9	0.6	0.7	0.8	1.8	
Annual Consumption (kilowatthours)											
10,000 or Less .....	3	1	1	Q	Q	1.29	1.53	1.72	Q	Q	19.05
10,001 to 50,000 .....	22	20	11	6	2	4.12	4.58	4.97	4.02	4.43	13.91
50,001 to 100,000 .....	18	35	21	11	2	7.97	7.48	7.72	7.45	5.95	15.03
100,001 to 500,000 .....	48	146	88	51	6	13.34	13.00	13.44	12.88	9.43	12.08
500,001 to 1,000,000 .....	17	70	51	18	Q	13.92	15.77	17.30	13.60	Q	16.58
1,000,001 to 5,000,000 .....	39	160	118	38	Q	19.92	19.51	20.39	17.64	Q	10.51
Over 5,000,000 .....	38	147	112	31	Q	24.89	28.17	29.72	23.77	Q	18.47
Peak Electricity Demand (kilowatts)											
10 or Less .....	Q	4	2	1	1	Q	2.99	3.72	Q	2.87	21.24
11 to 25 .....	Q	23	15	6	3	Q	6.45	7.54	4.72	6.98	17.53
26 to 50 .....	Q	53	34	15	4	Q	10.43	10.41	11.24	8.18	18.02
51 to 100 .....	Q	63	41	20	2	Q	11.14	11.55	11.10	6.28	15.39
101 to 250 .....	Q	109	74	32	4	Q	14.24	15.58	12.93	7.67	13.65
251 to 1,000 .....	Q	164	122	37	Q	Q	18.43	19.36	16.43	Q	10.58
Over 1,000 .....	Q	162	115	44	Q	Q	25.11	27.91	19.84	Q	16.12

(\*) = Value rounds to zero in the units displayed.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1995 Commercial Buildings Energy Consumption Survey.