

Energy Consumption & Expenditures

Consumption and Intensity by: Census Region

(11 pages, 78 kb)

CONTENTS	PAGES
Table 5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1995	3
Table 11. Electricity Consumption and Conditional Energy Intensity by Census Region, 1995	3
Table 22. Natural Gas Consumption and Conditional Energy Intensity by Census Region, 1995	3
Table 28. Fuel Oil Consumption and Conditional Energy Intensity by Census Region, 1995	2
<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>Electronic Products and Services</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>Contact: Martha Johnson, Survey Manager (martha.johnson@eia.doe.gov)</p> <p>World Wide Web: http://www.eia.doe.gov/emeu/consumption</p>	

**Table 5. Consumption and Gross Energy Intensity by Census Region
for Sum of Major Fuels, 1995**

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)				Total Floorspace of Buildings (million square feet)				Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
RSE Column Factor:	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
All Buildings	1,035	1,497	1,684	1,106	11,883	14,322	20,830	11,736	87.1	104.5	80.8	94.2	7.61
Building Floorspace (square feet)													
1,001 to 5,000	125	189	251	143	995	1,772	2,428	1,144	125.9	106.7	103.4	124.9	13.15
5,001 to 10,000	82	161	185	196	1,223	1,678	2,786	1,842	66.6	96.1	66.3	106.5	21.55
10,001 to 25,000	140	233	315	136	2,118	2,701	4,481	2,317	66.0	86.2	70.3	58.8	15.98
25,001 to 50,000	123	169	189	149	1,380	1,726	2,664	1,905	89.3	98.0	70.8	78.1	11.30
50,001 to 100,000	113	199	213	173	1,371	1,920	2,980	1,697	82.7	103.5	71.6	101.9	12.57
100,001 to 200,000	134	205	254	95	1,377	1,896	2,428	1,075	97.2	108.0	104.5	88.2	17.20
200,001 to 500,000	155	179	156	147	1,389	1,520	1,679	965	111.3	117.8	92.7	152.4	15.75
Over 500,000	164	162	122	67	2,029	1,110	1,384	791	80.7	145.9	88.0	84.4	20.94
Principal Building Activity													
Education	161	173	146	134	1,930	1,997	2,315	1,498	83.4	86.8	62.9	89.3	13.07
Food Sales	Q	Q	56	32	Q	Q	287	209	Q	Q	196.4	151.3	17.06
Food Service	Q	82	133	69	166	474	443	271	Q	172.9	299.9	253.5	26.57
Health Care	113	144	193	110	408	466	916	543	278.4	308.6	211.2	202.6	18.50
Lodging	62	136	147	115	350	909	1,313	1,047	178.0	150.0	111.8	110.2	16.79
Mercantile and Service	173	322	354	123	2,838	3,203	4,864	1,822	61.0	100.7	72.9	67.4	15.91
Office	188	261	304	265	2,154	2,338	3,483	2,503	87.4	111.7	87.4	105.9	12.63
Public Assembly	75	108	118	Q	694	957	1,367	930	108.2	113.3	86.3	Q	19.85
Public Order and Safety	51	30	25	Q	548	300	308	Q	92.6	99.5	81.8	Q	32.29
Religious Worship	19	33	24	28	442	633	1,006	711	42.7	52.1	24.0	39.8	21.56
Warehouse and Storage	68	105	113	38	1,480	2,044	3,436	1,522	46.0	51.3	33.0	25.2	19.81
Other	Q	Q	57	Q	Q	402	289	Q	Q	145.7	197.8	Q	35.58
Vacant	7	Q	12	11	627	531	804	422	Q	Q	15.1	25.9	32.87
Year Constructed													
1919 or Before	79	135	32	46	1,226	1,529	514	404	64.1	88.2	62.1	114.6	26.35
1920 to 1945	129	201	111	67	1,794	2,314	1,709	893	71.9	87.0	64.8	75.3	18.32
1946 to 1959	192	267	197	171	1,944	2,268	3,192	1,894	98.7	117.6	61.6	90.3	15.40
1960 to 1969	199	265	336	224	2,344	2,356	3,856	2,302	84.8	112.5	87.1	97.4	12.11
1970 to 1979	189	266	410	260	1,658	2,435	4,344	2,895	114.0	109.4	94.4	89.7	12.95
1980 to 1989	157	265	397	241	2,128	2,324	5,371	2,429	73.6	113.9	73.9	99.3	15.34
1990 to 1992	51	53	129	63	443	545	1,094	509	116.1	97.6	118.2	123.6	23.27
1993 to 1995	40	45	72	33	347	552	750	410	115.3	81.1	96.0	80.6	26.86
Floors													
One	224	461	756	405	3,337	5,298	11,019	4,897	67.1	86.9	68.7	82.7	12.68
Two	211	315	363	233	2,738	3,537	4,788	3,059	77.0	89.0	75.8	76.2	12.40
Three	168	241	134	132	2,103	2,306	1,644	1,282	80.0	104.3	81.4	103.0	14.77
Four to Nine	284	381	302	262	2,347	2,461	2,165	1,816	121.1	154.6	139.3	144.5	14.52
Ten or More	148	100	129	73	1,359	720	1,214	682	109.0	139.3	106.3	107.3	18.50
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	87	357	Q	54	1,094	3,598	Q	406	79.7	99.3	Q	Q	17.65
5,500-7,000 HDD	472	835	Q	284	4,956	7,615	Q	2,026	95.3	109.6	Q	140.3	15.37
4,000-5,499 HDD	476	304	435	192	5,833	3,109	4,342	1,872	81.6	97.9	100.1	102.4	16.88
Fewer than 4,000 HDD	Q	Q	635	443	Q	Q	7,778	5,713	Q	Q	81.6	77.6	10.66
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	614	132	Q	Q	8,711	1,719	Q	Q	70.5	76.8	17.05
Workers (main shift)													
Fewer than 5	128	204	248	209	2,430	3,584	5,345	2,526	52.7	56.9	46.4	82.8	15.34
5 to 9	61	207	138	102	1,057	1,764	2,082	1,387	57.9	117.5	66.1	73.7	18.15
10 to 19	109	148	252	105	1,317	1,511	2,701	1,572	82.8	97.9	93.4	66.7	18.26
20 to 49	181	247	286	154	1,807	2,390	3,212	1,723	100.4	103.3	88.9	89.7	12.62
50 to 99	101	176	209	144	1,264	1,504	2,733	1,430	80.0	116.7	76.4	101.0	13.12
100 to 249	138	193	182	136	1,429	1,579	1,755	1,224	96.9	121.9	103.5	111.0	14.30
250 or More	316	323	369	254	2,577	1,990	3,001	1,875	122.6	162.2	123.1	135.7	14.70

See footnotes at end of table.

**Table 5. Consumption and Gross Energy Intensity by Census Region
for Sum of Major Fuels, 1995 (Continued)**

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)				Total Floorspace of Buildings (million square feet)				Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
RSE Column Factor:	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
Weekly Operating Hours													
39 or Fewer	37	56	55	32	1,119	1,601	2,311	1,103	33.0	35.1	23.8	28.7	19.76
40 to 48	135	281	286	177	2,168	3,520	4,912	2,633	62.3	79.8	58.2	67.4	14.01
49 to 60	168	246	298	226	2,482	2,378	4,786	2,596	67.5	103.3	62.2	87.2	13.36
61 to 84	158	253	241	144	2,111	2,626	3,276	2,040	74.9	96.2	73.6	70.7	12.90
85 to 167	161	199	233	238	1,411	1,633	1,804	1,353	114.3	121.6	129.1	175.8	18.06
Open Continuously	376	463	571	288	2,592	2,564	3,740	2,012	145.1	180.6	152.7	143.3	11.57
Ownership and Occupancy													
Nongovernment Owned	741	1,104	1,308	797	8,946	11,414	17,056	9,280	82.9	96.7	76.7	85.8	8.00
Owner Occupied	623	946	1,096	622	6,972	9,403	12,664	6,533	89.3	100.6	86.5	95.2	9.03
Nonowner Occupied	116	148	209	173	1,622	1,644	3,841	2,590	71.7	90.0	54.5	66.9	14.21
Unoccupied	Q	Q	Q	Q	Q	366	551	157	Q	Q	Q	Q	36.22
Government Owned	294	393	376	309	2,937	2,909	3,774	2,456	100.2	135.0	99.6	125.8	13.78
Federal	39	Q	83	68	398	406	451	Q	Q	184.2	184.8	137.9	37.40
State	107	124	107	Q	758	834	741	518	141.4	148.3	144.3	193.3	23.84
Local	148	194	185	141	1,781	1,669	2,582	1,442	83.0	116.5	71.8	97.5	17.45
Space in Building Vacant for at Least Three Consecutive Months													
Yes	215	307	378	220	3,288	3,691	5,649	3,216	65.3	83.2	66.8	68.5	12.81
No	821	1,190	1,306	885	8,595	10,632	15,181	8,520	95.5	111.9	86.0	103.9	8.62
Energy Sources (more than one may apply)													
Electricity	1,031	1,492	1,683	1,105	11,444	13,887	20,158	11,587	90.1	107.4	83.5	95.4	7.38
Natural Gas	683	1,271	1,206	771	7,108	10,905	12,291	7,841	96.1	116.5	98.1	98.3	8.37
Fuel Oil	529	390	550	262	5,423	2,681	4,175	2,142	97.5	145.6	131.8	122.5	12.37
District Heat	280	320	219	Q	1,768	1,902	1,038	949	158.5	168.1	210.6	Q	21.21
District Chilled Water	73	164	160	Q	291	778	919	533	251.6	210.3	174.4	Q	22.82
Propane	129	84	142	38	1,689	1,093	2,012	550	76.3	76.7	70.4	68.8	21.69
Other	57	64	33	Q	728	613	656	339	77.9	105.0	50.0	Q	25.50
Energy End Uses (more than one may apply)													
Buildings with Space Heating	1,031	1,490	1,657	1,069	11,180	13,511	18,900	10,756	92.3	110.3	87.7	99.4	7.82
Buildings with Cooling	918	1,370	1,647	987	9,523	12,033	18,606	9,772	96.4	113.9	88.5	101.0	7.93
Buildings with Water Heating	1,008	1,439	1,577	1,067	10,778	12,517	17,511	10,754	93.5	115.0	90.0	99.2	7.70
Buildings with Cooking	512	676	804	515	4,634	4,785	7,173	4,121	110.5	141.2	112.0	124.9	9.26
Buildings with Manufacturing	59	130	92	26	683	1,057	1,456	697	86.0	123.1	62.9	37.9	23.71
Buildings with Electricity Generation	428	442	541	294	3,877	2,738	4,360	2,391	110.4	161.3	124.1	123.1	10.90
Space-Heating Energy Sources (more than one may apply)													
Electricity	275	418	817	398	3,081	4,058	9,971	5,046	89.3	102.9	82.0	78.9	11.24
Natural Gas	457	1,093	899	647	5,043	9,826	9,805	6,861	90.6	111.2	91.7	94.2	9.22
Fuel Oil	324	170	207	Q	3,856	1,018	1,540	192	84.0	167.0	134.7	107.6	21.44
District Heat	277	320	207	232	1,765	1,902	1,006	933	157.0	168.1	205.5	Q	19.37
Propane	50	17	55	Q	540	401	959	124	93.4	43.2	57.6	48.7	30.47
Other	Q	26	10	Q	Q	242	283	160	Q	107.0	35.9	Q	28.55
Primary Space-Heating Energy Source													
Electricity	89	126	554	237	1,099	1,549	7,403	3,449	80.9	81.4	74.8	68.7	15.09
Natural Gas	419	1,023	808	589	4,696	9,293	8,728	6,091	89.3	110.1	92.5	96.7	9.65
Fuel Oil	224	Q	60	Q	3,020	Q	802	Q	74.3	Q	74.5	Q	17.26
District Heat	250	308	192	226	1,600	1,839	945	905	156.5	167.4	203.7	Q	19.85
Propane	37	8	23	Q	435	313	713	Q	85.8	24.0	31.5	Q	34.12
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Sources (more than one may apply)													
Electricity	846	1,256	1,582	848	8,986	11,424	18,133	9,219	94.1	109.9	87.3	92.0	7.56
Natural Gas	72	Q	Q	44	387	354	247	326	187.2	209.4	Q	133.6	30.22
District Chilled Water	73	164	160	Q	291	778	919	533	251.6	210.3	174.4	Q	22.82

See footnotes at end of table.

**Table 5. Consumption and Gross Energy Intensity by Census Region
for Sum of Major Fuels, 1995 (Continued)**

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)				Total Floorspace of Buildings (million square feet)				Energy Intensity for Sum of Major Fuels (thousand Btu/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
RSE Column Factor:	1.1	1.1	1.0	1.4	1.0	0.8	0.8	1.0	1.0	0.9	0.8	1.2	
Water-Heating Energy Sources (more than one may apply)													
Electricity	318	392	660	287	4,689	4,516	9,757	4,094	67.9	86.9	67.6	70.0	10.90
Natural Gas	413	918	841	598	3,848	7,261	7,767	5,983	107.2	126.4	108.3	99.9	9.49
Fuel Oil	147	Q	35	Q	1,668	Q	309	Q	88.3	Q	113.9	Q	22.39
District Heat	206	211	141	203	1,260	1,271	646	772	163.6	166.3	219.0	Q	20.90
Propane	Q	Q	15	Q	325	224	279	Q	Q	77.6	54.9	49.4	31.11
Cooking Energy Sources (more than one may apply)													
Electricity	258	460	482	297	2,437	3,015	4,311	2,485	105.8	152.5	111.7	119.3	12.07
Natural Gas	330	478	544	346	2,914	3,506	4,167	2,609	113.2	136.4	130.6	132.7	11.37
Propane	56	Q	44	Q	621	Q	594	Q	89.6	Q	74.4	Q	29.58
Percent of Floorspace Heated													
Not Heated	Q	Q	27	37	703	811	1,930	981	Q	Q	13.8	37.3	25.89
1 to 50	46	57	90	55	1,018	1,171	2,379	1,658	45.0	48.3	37.7	33.4	20.13
51 to 99	204	128	292	180	2,501	1,480	2,856	2,032	81.6	86.8	102.4	88.5	16.78
100	782	1,305	1,275	834	7,661	10,860	13,666	7,066	102.0	120.1	93.3	118.0	8.13
Percent of Floorspace Cooled													
Not Cooled	117	127	36	118	2,360	2,289	2,224	1,964	49.8	55.3	16.4	60.2	18.74
1 to 50	278	375	240	151	3,784	4,414	4,311	2,517	73.4	85.0	55.7	60.0	14.97
51 to 99	337	375	418	230	3,063	3,040	4,262	2,184	109.9	123.4	98.1	105.4	11.57
100	304	620	989	606	2,677	4,578	10,033	5,071	113.4	135.4	98.6	119.5	10.24
Percent Lit when Open													
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	74	97	79	58	1,130	1,598	2,172	1,109	65.7	60.6	36.5	51.9	16.46
51 to 99	218	254	242	169	2,418	2,247	3,011	2,016	90.1	113.2	80.5	83.9	13.62
100	734	1,134	1,359	876	7,787	9,874	14,608	8,245	94.3	114.9	93.0	106.2	8.92
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	524	586	935	324	Q	Q	Q	Q	26.86
Percent Lit when Closed													
Zero	127	215	235	176	2,400	3,397	4,695	2,609	52.9	63.2	50.0	67.5	14.43
1 to 50	485	781	804	569	5,872	7,602	10,761	6,476	82.6	102.8	74.7	87.9	9.66
51 to 100	40	27	71	69	546	197	826	345	73.9	135.5	86.4	201.4	28.15
Never Closed	374	463	571	288	2,541	2,539	3,614	1,983	147.3	182.3	158.0	145.2	12.91
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	524	586	935	324	Q	Q	Q	Q	33.10
Energy Conservation Features (more than one may apply)													
Any Conservation Features	1,030	1,485	1,657	1,088	11,118	13,733	19,139	11,297	92.6	108.1	86.6	96.3	7.75
Building Shell	984	1,457	1,628	1,066	10,464	13,162	18,757	10,806	94.1	110.7	86.8	98.7	7.93
HVAC	951	1,322	1,394	954	9,854	10,764	14,904	9,135	96.5	122.8	93.5	104.5	8.06
Lighting	851	1,149	1,209	803	8,920	9,495	12,087	8,036	95.4	121.0	100.1	99.9	7.53

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. • HVAC = Heating, Ventilation, and Air Conditioning. • 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 11. Electricity Consumption and Conditional Energy Intensity
by Census Region, 1995**

Building Characteristics	Total Electricity Consumption (billion kWh)				Total Floorspace of Buildings Using Electricity (million square feet)				Electricity Energy Intensity (kWh/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.2	1.2	0.9	1.4	1.1	0.9	0.8	1.2	0.9	0.9	0.7	1.0	
RSE Column Factor:	1.2	1.2	0.9	1.4	1.1	0.9	0.8	1.2	0.9	0.9	0.7	1.0	
All Buildings	128	163	301	172	11,444	13,887	20,158	11,587	11.2	11.8	14.9	14.8	7.15
Building Floorspace (square feet)													
1,001 to 5,000	20	21	49	22	926	1,636	2,291	1,101	21.2	12.8	21.2	20.2	13.31
5,001 to 10,000	9	11	29	21	1,130	1,624	2,526	1,781	8.0	6.8	11.4	11.7	16.08
10,001 to 25,000	16	27	48	22	2,098	2,637	4,274	2,294	7.5	10.1	11.3	9.6	14.99
25,001 to 50,000	13	19	35	25	1,377	1,720	2,643	1,896	9.6	10.9	13.3	13.4	13.23
50,001 to 100,000	13	24	41	27	1,360	1,893	2,952	1,697	9.9	12.9	14.0	16.1	13.59
100,001 to 200,000	17	21	45	16	1,304	1,822	2,409	1,063	12.8	11.3	18.8	15.2	16.77
200,001 to 500,000	16	19	30	25	1,389	1,516	1,679	965	11.7	12.7	17.8	25.5	16.65
Over 500,000	24	22	24	13	1,860	1,039	1,384	791	12.9	21.0	17.2	16.6	18.96
Principal Building Activity													
Education	13	13	23	16	1,930	1,941	2,315	1,498	6.7	6.8	9.9	10.4	12.33
Food Sales	Q	Q	15	8	Q	Q	287	209	Q	Q	53.7	39.7	16.38
Food Service	Q	Q	21	8	Q	474	443	271	Q	22.5	47.4	31.0	27.45
Health Care	9	13	27	13	408	466	916	543	21.2	28.1	29.8	23.5	15.20
Lodging	7	12	22	13	332	909	1,313	1,047	20.7	13.6	17.0	12.7	17.17
Mercantile and Service	23	35	65	25	2,802	3,198	4,823	1,807	8.3	11.1	13.5	13.9	14.46
Office	32	40	68	58	2,146	2,335	3,483	2,503	14.8	17.1	19.5	23.4	12.71
Public Assembly	8	11	20	10	688	944	1,367	930	12.3	11.4	14.9	11.2	18.70
Public Order and Safety	4	2	4	Q	548	300	308	Q	7.7	7.9	13.6	Q	33.47
Religious Worship	1	1	4	3	442	633	1,006	711	3.0	2.2	3.8	4.3	19.53
Warehouse and Storage	12	12	20	9	1,457	1,934	3,152	1,472	7.9	6.0	6.2	6.0	20.18
Other	Q	7	9	Q	Q	402	285	Q	Q	18.5	32.8	Q	31.32
Vacant	Q	1	2	1	Q	282	460	337	Q	4.6	4.5	4.0	37.05
Year Constructed													
1919 or Before	6	14	4	4	1,161	1,458	504	404	5.6	9.5	8.8	10.8	28.79
1920 to 1945	11	17	17	7	1,547	2,098	1,646	883	6.8	7.9	10.3	7.4	20.49
1946 to 1959	21	22	30	22	1,941	2,247	3,060	1,876	10.8	9.9	9.7	11.8	16.15
1960 to 1969	24	23	53	38	2,270	2,347	3,737	2,294	10.7	9.8	14.3	16.4	12.88
1970 to 1979	24	33	73	51	1,649	2,405	4,312	2,879	14.4	13.7	16.9	17.6	12.83
1980 to 1989	29	41	86	33	2,098	2,278	5,164	2,369	13.8	18.2	16.7	14.0	13.91
1990 to 1992	6	8	22	11	432	544	1,078	491	14.9	14.2	20.6	23.2	21.11
1993 to 1995	Q	6	15	6	347	509	658	391	18.5	10.8	23.0	15.8	26.66
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	11	37	Q	5	1,074	3,457	Q	403	10.3	10.6	Q	Q	17.66
5,500-7,000 HDD	55	83	Q	29	4,889	7,461	Q	2,005	11.3	11.1	Q	14.5	13.79
4,000-5,499 HDD	62	44	64	36	5,481	2,969	4,266	1,844	11.2	14.7	15.0	19.4	16.76
Fewer than 4,000 HDD	Q	Q	114	76	Q	Q	7,651	5,618	Q	Q	14.8	13.6	11.18
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	123	26	Q	Q	8,241	1,718	Q	Q	15.0	15.3	15.71
Workers (main shift)													
Fewer than 5	16	19	42	19	2,041	3,238	4,672	2,391	7.7	5.9	9.0	7.9	14.98
5 to 9	7	16	26	17	1,057	1,746	2,082	1,384	6.7	9.2	12.5	11.9	16.42
10 to 19	12	16	40	18	1,317	1,511	2,701	1,572	9.2	10.3	14.9	11.5	18.47
20 to 49	22	28	48	26	1,778	2,390	3,212	1,723	12.5	11.6	15.0	14.8	13.36
50 to 99	12	20	38	21	1,260	1,436	2,733	1,430	9.3	13.8	13.9	14.9	12.80
100 to 249	18	22	35	23	1,428	1,579	1,755	1,212	12.4	14.0	19.7	19.2	16.33
250 or More	41	43	72	48	2,562	1,986	3,001	1,875	16.1	21.7	24.0	25.9	14.43
Weekly Operating Hours													
39 or Fewer	3	4	8	4	783	1,311	1,820	1,018	4.0	2.8	4.2	3.5	19.71
40 to 48	15	25	50	28	2,165	3,464	4,888	2,626	7.1	7.3	10.2	10.5	12.53
49 to 60	21	23	53	48	2,442	2,330	4,766	2,596	8.8	9.9	11.1	18.6	15.27
61 to 84	19	29	54	26	2,106	2,622	3,276	2,016	9.0	10.9	16.3	13.1	11.92
85 to 167	24	28	47	28	1,408	1,621	1,793	1,337	17.0	17.5	26.2	21.0	15.03
Open Continuously	45	55	90	38	2,541	2,539	3,614	1,994	17.7	21.5	24.9	19.2	12.33

See footnotes at end of table.

**Table 11. Electricity Consumption and Conditional Energy Intensity
by Census Region, 1995 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)				Total Floorspace of Buildings Using Electricity (million square feet)				Electricity Energy Intensity (kWh/sq. ft.)				RSE Row Factor
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West	
	1.2	1.2	0.9	1.4	1.1	0.9	0.8	1.2	0.9	0.9	0.7	1.0	
RSE Column Factor:	1.2	1.2	0.9	1.4	1.1	0.9	0.8	1.2	0.9	0.9	0.7	1.0	
Ownership and Occupancy													
Nongovernment Owned	96	126	244	124	8,611	11,034	16,425	9,155	11.2	11.4	14.9	13.6	7.46
Owner Occupied	79	106	199	88	6,901	9,242	12,467	6,502	11.4	11.4	16.0	13.6	7.94
Nonowner Occupied	18	20	45	36	1,620	1,621	3,716	2,562	10.8	12.4	12.0	14.0	16.02
Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Government Owned	32	37	57	48	2,833	2,853	3,733	2,433	11.1	13.0	15.1	19.6	15.56
Space in Building Vacant for at Least Three Consecutive Months													
Yes	28	36	72	38	2,929	3,406	5,179	3,116	9.7	10.5	14.0	12.0	12.22
No	99	128	229	134	8,515	10,481	14,978	8,472	11.7	12.2	15.3	15.9	7.99
Energy Sources (more than one may apply)													
Electricity	128	163	301	172	11,444	13,887	20,158	11,587	11.2	11.8	14.9	14.8	7.15
Natural Gas	74	128	184	113	7,074	10,819	12,289	7,826	10.5	11.8	15.0	14.5	8.52
Fuel Oil	52	47	90	39	5,368	2,669	4,166	2,142	9.7	17.5	21.7	18.3	13.32
District Heat	29	30	28	20	1,756	1,902	1,038	949	16.5	16.0	26.5	20.9	27.27
District Chilled Water	6	17	24	8	287	778	919	533	19.7	21.5	26.5	15.6	21.75
Propane	20	13	25	8	1,685	1,093	2,012	550	12.1	11.9	12.3	13.7	23.04
Other	6	8	6	4	717	558	618	339	8.7	14.1	9.5	12.9	29.69
Energy End Uses (more than one may apply)													
Buildings with Space Heating	127	162	294	162	11,096	13,422	18,852	10,741	11.4	12.1	15.6	15.1	7.30
Buildings with Cooling	118	154	297	156	9,478	11,943	18,606	9,758	12.5	12.9	16.0	16.0	7.43
Buildings with Water Heating	125	159	281	166	10,694	12,428	17,502	10,739	11.7	12.8	16.0	15.5	7.19
Buildings with Cooking	62	77	147	78	4,611	4,717	7,173	4,110	13.5	16.4	20.6	19.0	10.44
Buildings with Manufacturing	7	19	16	5	674	1,057	1,456	697	10.5	17.6	10.7	6.8	24.27
Buildings with Electricity Generation	53	53	99	47	3,858	2,738	4,360	2,391	13.8	19.4	22.6	19.5	10.81
Space-Heating Energy Source													
Electricity	47	61	169	81	3,081	4,058	9,971	5,046	15.4	15.1	16.9	16.1	11.26
Electricity Main	21	28	131	57	1,099	1,549	7,403	3,449	18.8	18.3	17.7	16.6	15.61
Electricity Secondary	27	33	38	24	1,982	2,508	2,568	1,597	13.4	13.1	14.7	14.9	15.72
Other Excluding Electricity	79	101	125	81	8,015	9,364	8,881	5,695	9.9	10.8	14.1	14.3	7.92
Buildings without Space Heating	Q	Q	7	10	Q	465	1,306	846	Q	Q	5.4	11.5	30.54
Primary Space-Heating Energy Source													
Electricity	21	28	131	57	1,099	1,549	7,403	3,449	18.8	18.3	17.7	16.6	15.61
Natural Gas	49	99	119	83	4,674	9,207	8,726	6,079	10.5	10.8	13.7	13.7	9.13
Fuel Oil	18	Q	8	Q	2,974	Q	793	Q	6.0	Q	9.6	Q	18.24
District Heat	27	30	26	19	1,588	1,839	945	905	16.8	16.2	27.4	20.6	19.71
Propane	10	2	6	Q	432	313	713	Q	23.5	6.0	8.7	Q	33.23
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Source													
Electricity	113	142	285	147	8,986	11,424	18,133	9,219	12.5	12.4	15.7	16.0	7.47
Other Excluding Electricity	6	Q	12	8	492	520	473	539	12.0	22.8	24.6	15.7	27.81
Buildings without Cooling	9	10	4	16	1,967	1,944	1,551	1,830	4.8	5.0	2.7	8.8	21.46
Water-Heating Energy Source													
Electricity	54	63	148	68	4,689	4,516	9,757	4,094	11.6	14.0	15.2	16.5	11.86
Other Excluding Electricity	71	96	133	99	6,005	7,911	7,745	6,645	11.8	12.1	17.1	14.8	7.65
Buildings without Water Heating	3	4	20	6	751	1,459	2,655	848	3.6	3.0	7.6	6.9	21.28
Cooking Energy Source													
Electricity	36	58	97	53	2,437	3,015	4,311	2,485	14.6	19.1	22.4	21.5	14.01
Other Excluding Electricity	26	20	51	25	2,174	1,702	2,862	1,624	12.2	11.5	17.7	15.1	13.06
Buildings without Cooking	66	86	154	94	6,833	9,170	12,985	7,478	9.6	9.4	11.8	12.6	8.63

See footnotes at end of table.

**Table 11. Electricity Consumption and Conditional Energy Intensity
by Census Region, 1995 (Continued)**

Building Characteristics	Total Electricity Consumption (billion kWh)				Total Floorspace of Buildings Using Electricity (million square feet)				Electricity Energy Intensity (kWh/sq. ft.)				RSE Row Factor
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West	
	1.2	1.2	0.9	1.4	1.1	0.9	0.8	1.2	0.9	0.9	0.7	1.0	
RSE Column Factor:	1.2	1.2	0.9	1.4	1.1	0.9	0.8	1.2	0.9	0.9	0.7	1.0	
Percent of Floorspace Heated													
Not Heated	Q	Q	7	10	Q	465	1,306	846	Q	Q	5.4	11.5	30.54
1 to 50	7	5	19	11	987	1,171	2,339	1,655	6.7	4.3	8.2	6.9	19.77
51 to 99	28	14	50	36	2,501	1,480	2,847	2,032	11.3	9.6	17.6	17.9	16.13
100	92	143	224	114	7,609	10,770	13,666	7,054	12.1	13.3	16.4	16.2	6.99
Percent of Floorspace Cooled													
Not Cooled	9	10	4	16	1,967	1,944	1,551	1,830	4.8	5.0	2.7	8.8	21.46
1 to 50	27	26	31	20	3,751	4,341	4,311	2,514	7.3	6.1	7.3	7.8	11.91
51 to 99	43	47	78	44	3,063	3,028	4,262	2,184	14.1	15.6	18.4	20.3	11.90
100	48	80	187	92	2,664	4,575	10,033	5,059	18.0	17.5	18.6	18.2	8.81
Percent Lit when Open													
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	Q	8	12	8	1,130	1,598	2,172	1,109	7.6	5.0	5.7	6.8	18.90
51 to 99	24	27	43	26	2,418	2,247	3,011	2,016	9.8	12.0	14.4	13.1	13.87
100	95	128	245	138	7,787	9,874	14,608	8,245	12.2	13.0	16.7	16.7	8.34
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Percent Lit when Closed													
Zero	14	20	40	26	2,400	3,397	4,695	2,609	5.7	5.8	8.6	10.0	14.52
1 to 50	62	86	154	92	5,872	7,602	10,761	6,476	10.6	11.3	14.3	14.1	8.45
51 to 100	6	Q	16	Q	546	Q	826	345	11.0	Q	19.5	Q	24.88
Never Closed	45	55	90	38	2,541	2,539	3,614	1,983	17.7	21.5	24.9	19.2	12.36
Building Not in Use/ Electricity Not Used	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Annual Consumption (kilowatthours)													
10,000 or Less	1	1	2	1	518	873	1,042	627	1.2	1.2	1.6	1.2	17.51
10,001 to 50,000	6	11	16	9	1,688	2,792	3,368	1,849	3.6	4.0	4.6	4.9	11.69
50,001 to 100,000	8	10	22	12	1,316	1,407	2,500	1,653	6.1	7.0	9.0	7.4	16.63
100,001 to 500,000	33	38	79	44	2,821	3,639	5,461	2,893	11.6	10.5	14.5	15.1	10.24
500,001 to 1,000,000	14	18	38	18	1,108	1,318	2,150	1,126	12.6	14.0	17.5	15.7	15.47
1,000,001 to 5,000,000	31	46	77	46	2,205	2,511	3,381	2,080	13.8	18.4	22.6	22.1	11.79
Over 5,000,000	36	38	68	43	1,787	1,346	2,256	1,359	20.2	28.5	30.2	31.3	16.67

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 22. Natural Gas Consumption and Conditional Energy Intensity
by Census Region, 1995**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)				Total Floorspace of Buildings Using Natural Gas (million square feet)				Natural Gas Energy Intensity (cubic feet/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.4	1.1	1.1	1.2	1.0	0.8	0.8	1.1	1.1	0.8	0.9	0.9	
RSE Column Factor:	1.4	1.1	1.1	1.2	1.0	0.8	0.8	1.1	1.1	0.8	0.9	0.9	
All Buildings	289	730	514	361	7,108	10,905	12,291	7,841	40.6	66.9	41.9	46.1	9.51
Building Floorspace (square feet)													
1,001 to 5,000	26	106	73	52	253	1,026	947	717	102.6	103.2	77.2	72.1	18.48
5,001 to 10,000	33	118	65	49	722	1,416	1,330	1,029	45.0	83.6	48.6	47.5	21.61
10,001 to 25,000	42	119	130	56	1,218	1,988	2,735	1,620	34.8	59.6	47.4	34.7	20.50
25,001 to 50,000	36	82	55	52	951	1,402	1,533	1,355	38.0	58.3	35.8	38.3	14.86
50,001 to 100,000	26	87	59	65	754	1,700	1,946	1,207	34.3	51.4	30.1	54.0	17.11
100,001 to 200,000	49	90	76	23	845	1,371	1,706	721	58.3	65.7	44.4	31.7	21.97
200,001 to 500,000	46	69	36	53	935	1,155	1,100	752	49.5	59.8	33.1	71.1	19.15
Over 500,000	30	59	21	11	1,430	848	994	440	21.2	69.7	21.5	25.6	25.30
Principal Building Activity													
Education	49	93	43	53	1,534	1,580	1,543	1,144	32.0	59.2	27.9	46.3	16.29
Food Sales	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Food Service	Q	41	58	Q	Q	406	284	Q	Q	101.1	205.3	Q	31.71
Health Care	47	77	72	55	321	416	610	412	146.4	186.1	118.7	132.8	21.76
Lodging	Q	66	60	60	Q	699	1,081	841	Q	94.7	55.5	71.9	20.25
Mercantile and Service	42	185	123	34	1,535	2,904	2,993	1,087	27.5	63.7	41.3	31.3	22.02
Office	38	94	51	50	1,251	1,638	1,898	1,734	30.6	57.4	26.8	28.7	16.49
Public Assembly	Q	46	41	27	426	712	941	583	55.0	65.3	44.0	46.1	23.83
Public Order and Safety	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Religious Worship	6	23	9	17	303	508	582	608	20.1	46.2	15.8	28.3	25.48
Warehouse and Storage	23	44	29	Q	1,064	1,164	1,712	656	21.2	37.5	17.0	Q	20.12
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Year Constructed													
1919 or Before	21	67	Q	29	655	1,216	441	332	32.0	54.8	34.4	87.3	25.24
1920 to 1945	37	98	42	27	893	1,750	1,179	738	41.9	56.1	35.6	36.6	24.49
1946 to 1959	64	167	75	74	1,277	1,832	2,034	1,327	50.3	91.0	37.1	55.9	19.06
1960 to 1969	43	134	108	81	1,251	1,905	2,430	1,585	34.0	70.2	44.3	51.1	17.36
1970 to 1979	62	115	133	72	1,121	1,912	2,565	1,777	55.4	59.9	51.9	40.8	17.31
1980 to 1989	38	106	88	48	1,424	1,559	2,751	1,447	27.0	68.0	31.8	33.3	15.39
1990 to 1992	Q	21	39	21	280	425	582	372	Q	49.7	66.3	57.6	29.51
1993 to 1995	Q	23	Q	Q	Q	308	309	Q	Q	75.1	48.4	Q	27.46
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	195	Q	37	Q	2,999	Q	385	Q	65.1	Q	97.2	21.00
5,500-7,000 HDD	161	427	Q	86	3,225	5,992	Q	1,537	49.8	71.2	Q	56.1	18.71
4,000-5,499 HDD	127	108	157	48	3,867	1,915	2,428	884	32.9	56.4	64.5	54.2	19.88
Fewer than 4,000 HDD	Q	Q	204	158	Q	Q	5,422	4,176	Q	Q	37.6	37.8	12.12
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	154	32	Q	Q	4,441	859	Q	Q	34.6	37.2	22.54
Workers (main shift)													
Fewer than 5	29	121	73	68	906	2,093	2,182	1,400	31.6	57.7	33.3	48.7	15.92
5 to 9	17	135	42	43	623	1,520	1,284	1,055	26.5	89.0	32.9	41.1	26.01
10 to 19	35	80	107	41	808	1,337	1,584	966	42.8	59.8	67.5	42.3	23.07
20 to 49	63	112	104	56	1,119	1,860	2,376	1,272	56.0	60.1	43.8	43.7	16.89
50 to 99	26	85	61	40	846	1,248	1,721	948	30.4	68.4	35.6	42.2	17.81
100 to 249	36	78	53	49	958	1,250	1,096	982	37.8	62.1	48.0	50.4	20.84
250 or More	84	119	75	64	1,848	1,598	2,048	1,218	45.7	74.7	36.5	52.4	16.28
Weekly Operating Hours													
39 or Fewer	11	38	22	19	338	879	780	661	32.2	43.6	28.3	28.2	23.74
40 to 48	47	164	79	66	1,275	2,600	2,885	1,782	37.0	63.0	27.3	36.8	17.13
49 to 60	33	124	83	52	1,431	2,010	2,835	1,727	23.3	61.9	29.4	30.0	15.44
61 to 84	47	126	51	48	1,447	2,302	1,914	1,385	32.2	54.7	26.7	35.0	16.02
85 to 167	50	79	61	46	986	1,165	1,073	741	51.1	67.8	57.2	61.4	24.10
Open Continuously	100	199	218	131	1,631	1,950	2,805	1,545	61.5	101.9	77.6	84.9	15.89

See footnotes at end of table.

**Table 22. Natural Gas Consumption and Conditional Energy Intensity
by Census Region, 1995 (Continued)**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)				Total Floorspace of Buildings Using Natural Gas (million square feet)				Natural Gas Energy Intensity (cubic feet/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	1.4	1.1	1.1	1.2	1.0	0.8	0.8	1.1	1.1	0.8	0.9	0.9	
RSE Column Factor:													
Ownership and Occupancy													
Nongovernment Owned	221	549	397	265	5,440	8,665	9,973	6,178	40.7	63.4	39.8	42.9	9.79
Owner Occupied	179	470	347	216	4,285	7,126	7,857	4,687	41.7	66.0	44.1	46.2	11.15
Nonowner Occupied	42	72	50	49	1,128	1,425	2,041	1,483	37.3	50.4	24.5	32.8	17.85
Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Government Owned	67	181	117	96	1,668	2,240	2,319	1,663	40.5	80.7	50.6	57.7	15.75
Space in Building Vacant for at Least Three Consecutive Months													
Yes	56	149	113	80	2,003	2,664	3,073	1,984	27.9	55.9	36.8	40.3	17.42
No	233	581	401	281	5,104	8,241	9,218	5,857	45.6	70.5	43.5	48.0	10.15
Energy Sources (more than one may apply)													
Electricity	286	725	514	361	7,074	10,819	12,289	7,826	40.5	67.0	41.9	46.1	9.88
Natural Gas	289	730	514	361	7,108	10,905	12,291	7,841	40.6	66.9	41.9	46.1	9.51
Fuel Oil	118	163	163	97	3,002	2,133	2,517	1,610	39.2	76.5	64.8	60.4	16.92
District Heat	Q	41	Q	Q	Q	847	Q	Q	Q	48.2	Q	Q	39.53
District Chilled Water	Q	28	29	Q	Q	441	439	Q	Q	62.5	66.2	Q	33.06
Propane	8	33	36	9	245	610	489	221	33.6	54.6	74.2	42.8	27.42
Other	Q	24	9	Q	Q	472	381	Q	Q	50.2	23.4	Q	34.29
Energy End Uses (more than one may apply)													
Buildings with Space Heating	289	726	512	359	7,108	10,897	12,176	7,768	40.6	66.7	42.0	46.2	9.55
Buildings with Cooling	269	658	499	310	6,393	9,877	11,961	6,869	42.0	66.6	41.7	45.2	9.95
Buildings with Water Heating	284	697	491	357	6,969	10,197	11,485	7,633	40.7	68.3	42.8	46.7	9.63
Buildings with Cooking	172	334	237	206	3,589	4,241	4,876	3,262	47.9	78.8	48.6	63.3	10.71
Buildings with Manufacturing	16	54	30	9	355	911	920	356	44.0	59.4	32.1	24.0	23.95
Buildings with Electricity Generation	113	181	153	115	2,787	2,354	3,232	1,959	40.4	77.1	47.3	58.6	13.57
Space-Heating Energy Source													
Natural Gas	238	684	410	309	5,043	9,826	9,805	6,861	47.2	69.6	41.8	45.0	10.16
Natural Gas Main	230	661	385	296	4,696	9,293	8,728	6,091	48.9	71.1	44.1	48.6	10.44
Natural Gas Secondary	8	23	25	13	348	533	1,077	770	23.8	44.0	23.3	16.8	28.07
Other Excluding Natural Gas	51	42	102	50	2,064	1,071	2,371	908	24.6	39.4	43.1	55.2	22.43
Buildings without Space Heating	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Primary Space-Heating Energy Source													
Electricity	16	27	87	40	419	694	2,898	1,416	39.1	39.4	30.0	28.3	23.99
Natural Gas	230	661	385	296	4,696	9,293	8,728	6,091	48.9	71.1	44.1	48.6	10.44
Fuel Oil	13	Q	Q	Q	1,166	Q	Q	Q	11.0	Q	Q	Q	30.30
District Heat	28	35	30	Q	685	785	378	Q	41.4	44.6	79.6	Q	30.34
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Source													
Natural Gas	44	37	Q	19	387	354	Q	326	113.1	105.4	Q	56.9	28.48
Other Excluding Natural Gas	225	621	485	292	6,007	9,523	11,713	6,543	37.4	65.2	41.4	44.6	10.28
Buildings without Cooling	20	72	16	51	714	1,028	330	972	28.3	70.0	47.9	52.3	24.45
Water-Heating Energy Source													
Natural Gas	209	581	383	301	3,848	7,261	7,767	5,983	54.3	80.0	49.3	50.3	11.00
Other Excluding Natural Gas	75	116	109	55	3,120	2,936	3,718	1,650	24.0	39.4	29.2	33.6	15.34
Buildings without Water Heating	Q	33	23	Q	Q	709	806	Q	Q	47.2	28.7	Q	33.71
Cooking Energy Source													
Natural Gas	120	269	211	180	2,914	3,506	4,167	2,609	41.3	76.9	50.6	68.8	11.88
Other Excluding Natural Gas	52	65	26	27	675	735	710	653	76.5	88.0	36.8	41.3	23.48
Buildings without Cooking	117	396	277	155	3,519	6,664	7,415	4,579	33.2	59.4	37.4	33.8	12.28

See footnotes at end of table.

**Table 22. Natural Gas Consumption and Conditional Energy Intensity
by Census Region, 1995 (Continued)**

Building Characteristics	Total Natural Gas Consumption (billion cubic feet)				Total Floorspace of Buildings Using Natural Gas (million square feet)				Natural Gas Energy Intensity (cubic feet/sq. ft.)				RSE Row Factor
	North- east	Mid- west	South	West	North- east	Mid- west	South	West	North- east	Mid- west	South	West	
	1.4	1.1	1.1	1.2	1.0	0.8	0.8	1.1	1.1	0.8	0.9	0.9	
RSE Column Factor:													
Percent of Floorspace Heated													
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	11	37	20	Q	616	958	1,221	920	18.3	38.6	16.5	Q	25.91
51 to 99	54	60	109	50	1,637	1,019	1,984	1,574	32.8	59.2	55.0	32.0	22.74
100	224	629	383	293	4,854	8,920	8,972	5,274	46.1	70.5	42.7	55.6	9.97
Annual Consumption (hundred cubic feet)													
1,000 or Less	4	5	15	11	847	343	1,392	1,289	4.9	13.5	10.5	8.2	22.25
1,001 to 5,000	35	112	82	54	1,651	3,116	3,725	2,275	21.4	35.8	22.1	23.9	13.13
5,001 to 10,000	25	80	60	36	1,003	1,340	1,673	861	25.3	59.5	35.8	42.0	15.85
10,001 to 25,000	45	124	87	80	1,052	1,995	2,509	1,489	43.1	62.1	34.9	53.6	15.90
25,001 to 50,000	42	93	77	37	786	1,511	1,162	595	54.0	61.8	66.4	61.6	15.85
50,001 to 100,000	29	111	79	28	756	986	813	444	38.9	112.4	97.0	63.3	28.06
Over 100,000	107	206	114	116	1,014	1,615	1,017	889	105.2	127.5	112.1	130.0	17.15
Gas Transported for the Account of Others													
Used in Building	Q	132	40	Q	Q	984	291	Q	Q	134.7	136.3	Q	22.89
Not Used in Building	235	598	475	290	6,676	9,922	12,000	7,424	35.2	60.2	39.6	39.0	9.96

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 28. Fuel Oil Consumption and Conditional Energy Intensity by Census Region, 1995

Building Characteristics	Total Fuel Oil Consumption (million gallons)				Total Floorspace of Buildings Using Fuel Oil (million square feet)				Fuel Oil Energy Intensity (gallons/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	0.8	1.7	1.4	1.7	0.6	0.9	0.6	0.8	0.5	1.5	1.1	1.5	
RSE Column Factor:	0.8	1.7	1.4	1.7	0.6	0.9	0.6	0.8	0.5	1.5	1.1	1.5	
All Buildings	1,200	114	324	47	5,423	2,681	4,175	2,142	0.22	0.04	0.08	0.02	20.61
Building Floorspace (square feet)													
1,001 to 10,000	317	Q	132	Q	789	Q	553	Q	0.40	Q	0.24	Q	32.72
10,001 to 100,000	570	Q	124	Q	1,997	816	1,171	573	0.29	Q	0.11	0.03	26.60
Over 100,000	313	29	69	Q	2,638	1,646	2,452	1,504	0.12	0.02	0.03	Q	24.27
Principal Building Activity													
Education	293	Q	82	Q	1,273	430	408	Q	0.23	Q	0.20	Q	34.73
Mercantile and Service	284	20	Q	Q	1,177	Q	553	Q	0.24	Q	Q	Q	40.96
Office	126	Q	Q	Q	983	614	1,271	686	0.13	Q	0.04	Q	34.08
Public Assembly	Q	Q	18	Q	Q	Q	332	Q	Q	Q	0.06	Q	37.13
Warehouse and Storage	32	Q	Q	Q	374	Q	Q	Q	0.09	Q	Q	Q	51.27
All Others	392	42	102	Q	1,248	795	1,345	722	0.31	0.05	0.08	Q	24.21
Year Constructed													
1919 or Before	173	Q	Q	Q	726	Q	Q	Q	0.24	Q	Q	Q	39.95
1920 to 1945	229	Q	Q	Q	706	324	Q	Q	0.33	Q	Q	Q	42.61
1946 to 1959	284	15	Q	Q	901	339	514	Q	0.32	Q	0.16	Q	36.98
1960 to 1969	258	Q	99	Q	1,105	482	938	346	0.23	Q	0.11	Q	34.99
1970 to 1979	126	Q	56	Q	731	600	885	719	0.17	0.03	0.06	Q	32.95
1980 to 1989	80	Q	Q	Q	858	457	1,317	480	0.09	Q	Q	Q	34.81
1990 to 1992	Q	Q	Q	Q	Q	Q	243	Q	Q	Q	Q	Q	57.26
1993 to 1995	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	315	Q	Q	Q	798	930	Q	Q	0.39	0.05	Q	Q	28.56
5,500-7,000 HDD	434	Q	Q	Q	2,055	1,366	Q	303	0.21	Q	Q	Q	27.51
4,000-5,499 HDD	452	6	239	Q	2,571	385	1,832	Q	0.18	Q	0.13	0.06	27.42
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	1,291	1,052	Q	Q	Q	Q	31.68
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	1,053	Q	Q	Q	Q	Q	40.38
Workers (main shift)													
Less than 10	379	Q	122	Q	1,305	Q	560	Q	0.29	0.15	0.22	Q	27.80
10 to 99	546	Q	115	Q	1,695	563	1,176	526	0.32	Q	0.10	0.06	26.83
100 or More	275	22	87	Q	2,423	1,610	2,440	1,523	0.11	0.01	0.04	Q	25.74
Weekly Operating Hours													
48 or Fewer	264	Q	137	Q	1,123	326	972	241	0.24	Q	0.14	Q	30.35
49 to 84	545	Q	90	Q	2,348	998	1,364	865	0.23	Q	0.07	Q	28.59
85 to 168	391	45	97	Q	1,952	1,358	1,839	1,035	0.20	0.03	0.05	Q	25.36
Ownership and Occupancy													
Nongovernment Owned	842	90	234	23	3,883	1,938	3,196	1,599	0.22	0.05	0.07	0.01	23.96
Owner Occupied	764	Q	205	21	3,475	1,794	2,782	1,433	0.22	0.05	0.07	0.01	22.66
Nonowner Occupied	73	Q	Q	Q	383	Q	414	Q	0.19	Q	Q	Q	49.49
Unoccupied	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Government Owned	358	Q	90	Q	1,540	743	980	542	0.23	Q	0.09	Q	25.93
Space in Building Vacant for at Least Three Consecutive Months													
Yes	166	Q	30	Q	1,337	1,082	1,371	871	0.12	Q	0.02	Q	30.09
No	1,034	80	294	45	4,086	1,599	2,804	1,270	0.25	0.05	0.10	0.04	22.20
Energy Sources (more than one may apply)													
Electricity	1,192	114	323	47	5,368	2,669	4,166	2,142	0.22	0.04	0.08	0.02	21.57
Natural Gas	464	Q	96	Q	3,002	2,133	2,517	1,610	0.15	Q	0.04	Q	25.20
Fuel Oil	1,200	114	324	47	5,423	2,681	4,175	2,142	0.22	0.04	0.08	0.02	20.61
District Heat	51	Q	Q	Q	795	609	Q	Q	Q	Q	Q	Q	51.58
District Chilled Water	Q	Q	Q	Q	Q	Q	368	Q	Q	Q	Q	Q	44.99
Propane	325	Q	Q	Q	945	Q	467	Q	0.34	Q	0.21	Q	28.29
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99

See footnotes at end of table.

Table 28. Fuel Oil Consumption and Conditional Energy Intensity by Census Region, 1995 (Continued)

Building Characteristics	Total Fuel Oil Consumption (million gallons)				Total Floorspace of Buildings Using Fuel Oil (million square feet)				Fuel Oil Energy Intensity (gallons/sq. ft.)				RSE Row Factor
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West	
	0.8	1.7	1.4	1.7	0.6	0.9	0.6	0.8	0.5	1.5	1.1	1.5	
RSE Column Factor:	0.8	1.7	1.4	1.7	0.6	0.9	0.6	0.8	0.5	1.5	1.1	1.5	
Energy End Uses (more than one may apply)													
Buildings with Space Heating	1,200	114	324	Q	5,423	2,681	4,135	1,997	0.22	0.04	0.08	0.02	20.79
Buildings with Cooling	871	101	289	Q	4,415	2,517	3,978	1,993	0.20	0.04	0.07	Q	22.06
Buildings with Water Heating	1,129	106	309	43	5,238	2,599	3,996	2,127	0.22	0.04	0.08	0.02	20.94
Buildings with Cooking	529	31	161	Q	2,799	1,553	2,302	1,364	0.19	0.02	0.07	Q	23.43
Buildings with Manufacturing	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Buildings with Electricity Generation	397	38	128	Q	2,758	1,835	3,094	1,889	0.14	0.02	0.04	Q	23.33
Space-Heating Energy Source													
Fuel Oil	1,172	97	272	Q	3,856	1,018	1,540	192	0.30	0.10	0.18	0.18	23.22
Fuel Oil Main	1,079	Q	223	Q	3,020	Q	802	Q	0.36	Q	0.28	Q	23.94
Fuel Oil Secondary	93	21	Q	Q	836	730	738	Q	0.11	0.03	0.07	Q	32.00
Other Excluding Fuel Oil	28	Q	52	Q	1,567	1,663	2,595	1,805	0.02	Q	0.02	Q	30.67
Buildings without Space Heating	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Primary Space-Heating Energy Source													
Electricity	Q	Q	Q	Q	Q	284	1,347	313	Q	0.03	0.04	Q	33.41
Natural Gas	42	25	36	Q	1,231	1,483	1,533	1,233	0.03	0.02	0.02	Q	28.19
Fuel Oil	1,079	Q	223	Q	3,020	Q	802	Q	0.36	Q	0.28	Q	23.94
District Heat	40	Q	Q	Q	633	556	362	342	0.06	Q	0.02	Q	50.74
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooling Energy Source													
Fuel Oil	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other Excluding Fuel Oil	860	101	286	Q	4,353	2,509	3,943	1,988	0.20	0.04	0.07	Q	22.20
Buildings without Cooling	329	Q	Q	Q	1,008	Q	Q	Q	0.33	Q	Q	Q	28.74
Water-Heating Energy Source													
Fuel Oil	648	Q	Q	Q	1,668	Q	Q	Q	0.39	Q	Q	Q	24.03
Other Excluding Fuel Oil	481	85	209	11	3,570	2,487	3,687	2,065	0.13	0.03	0.06	Q	21.03
Buildings without Water Heating	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
Cooking Energy Source													
Fuel Oil	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Other Excluding Fuel Oil	523	31	161	Q	2,778	1,521	2,302	1,334	0.19	0.02	0.07	Q	23.28
Buildings without Cooking	672	Q	163	18	2,624	1,128	1,874	778	0.26	Q	0.09	0.02	23.40
Percent of Floorspace Heated													
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.99
1 to 50	63	Q	Q	Q	341	Q	Q	Q	0.18	Q	Q	Q	59.37
51 to 99	247	Q	Q	Q	1,246	261	883	467	0.20	Q	Q	Q	40.00
100	890	73	279	Q	3,837	2,202	2,943	1,395	0.23	0.03	0.09	0.02	23.31
Annual Consumption (gallons)													
1,000 or less	37	Q	Q	Q	1,525	1,934	2,770	1,748	0.02	Q	0.02	Q	31.16
1,001 to 5,000	348	Q	Q	Q	1,392	Q	678	Q	0.25	Q	0.13	Q	30.80
5,001 to 10,000	173	Q	Q	Q	731	Q	Q	Q	0.24	Q	Q	Q	39.68
10,001 to 25,000	219	Q	Q	Q	638	Q	Q	Q	0.34	Q	Q	Q	34.46
Over 25,000	424	Q	Q	Q	1,136	Q	Q	Q	0.37	Q	Q	Q	30.31

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.