

Table 3.7. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1992

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	
	1.0	1.0	1.2	1.3	1.0	0.9	0.9	0.9	0.9	0.7	1.2	1.1	
All Buildings	1,090	1,578	1,825	998	13,400	17,280	24,577	12,619	81.3	91.3	74.3	79.1	7.50
Building Floorspace (square feet)													
1,001 to 5,000	104	180	287	132	1,074	1,889	3,155	1,208	97.0	95.2	90.8	109.1	11.87
5,001 to 10,000	101	148	164	142	1,337	1,763	2,723	1,376	75.5	83.7	60.4	103.4	11.59
10,001 to 25,000	126	238	328	174	1,663	2,689	3,782	2,241	75.8	88.3	86.6	77.4	13.91
25,001 to 50,000	161	188	298	146	1,976	2,353	3,696	2,043	81.7	79.8	80.7	71.5	17.88
50,001 to 100,000	161	175	179	127	1,752	2,097	2,842	1,371	92.2	83.4	63.0	92.6	15.09
100,001 to 200,000	104	203	191	143	1,598	2,048	3,720	2,311	64.9	99.1	51.4	61.7	16.53
200,001 to 500,000	153	288	168	102	1,696	2,839	1,968	1,386	90.4	101.3	85.1	73.7	19.61
Over 500,000	178	160	210	32	2,303	1,601	2,691	683	77.5	99.6	Q	47.5	30.19
Principal Building Activity													
Education	171	195	156	114	1,968	2,386	2,620	1,496	87.1	81.6	59.7	76.4	12.89
Food Sales	Q	35	42	43	Q	182	245	209	Q	193.8	173.1	204.4	22.82
Food Service	58	93	86	70	445	432	407	208	129.7	215.7	211.8	338.7	20.10
Health Care	86	141	136	40	386	487	597	292	223.8	289.8	226.8	136.1	21.91
Lodging	102	88	148	125	616	577	1,043	654	165.8	152.2	142.0	190.5	25.26
Mercantile and Service	178	254	304	157	2,798	3,156	4,233	2,214	63.5	80.6	71.7	70.7	16.03
Office	224	299	482	243	2,525	2,804	4,152	2,838	88.8	106.5	116.0	85.5	13.52
Parking Garage	Q	Q	7	Q	Q	Q	272	Q	Q	Q	Q	31.9	39.09
Public Assembly	58	74	119	59	777	861	2,269	649	74.5	85.6	Q	91.0	22.03
Public Order and Safety	31	Q	23	Q	269	Q	238	Q	116.7	Q	98.2	Q	28.96
Religious Worship	16	39	34	19	452	1,137	1,366	792	35.1	34.5	25.1	24.5	19.80
Warehouse and Storage	89	214	175	49	1,763	3,108	4,964	1,649	50.3	69.0	35.2	29.6	21.86
Other	24	43	Q	30	199	301	383	248	121.9	142.6	227.8	121.3	32.20
Vacant	Q	42	24	37	708	1,043	1,604	1,041	38.7	40.6	15.2	35.8	28.25
Year Constructed													
1899 or Before	49	41	Q	Q	676	720	167	Q	71.9	56.6	Q	Q	23.41
1900 to 1919	79	75	26	33	1,052	1,246	788	522	75.3	60.5	33.1	62.6	27.38
1920 to 1945	172	240	187	67	2,655	2,296	2,646	1,115	64.8	104.5	70.8	59.9	19.18
1946 to 1959	148	215	291	146	2,070	2,629	3,898	1,825	71.6	81.9	74.6	80.0	16.54
1960 to 1969	243	305	381	196	2,485	2,652	4,914	2,562	97.9	115.0	77.5	76.3	16.14
1970 to 1979	198	348	450	264	2,123	4,086	4,940	2,865	93.5	85.2	91.2	92.2	13.97
1980 to 1989	172	304	418	239	2,053	2,982	6,317	2,934	83.8	101.9	66.2	81.5	17.38
1990 to 1992	28	49	55	41	286	670	906	639	96.7	73.7	61.0	64.0	22.39
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	350	Q	59	Q	4,081	Q	Q	80.8	85.8	Q	84.3	18.30
5,500-7,000 HDD	562	919	Q	160	6,924	9,401	Q	1,699	81.2	97.8	Q	94.3	13.13
4,000-5,499 HDD	460	308	396	110	5,634	3,799	4,981	1,748	81.6	81.2	79.6	63.1	14.00
Fewer than 4,000 HDD	Q	Q	654	524	Q	Q	8,226	7,026	Q	Q	79.5	74.6	15.48
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	775	144	Q	Q	11,371	1,446	Q	Q	68.2	Q	18.57
Energy Sources (more than one may apply)													
Electricity	1,090	1,577	1,825	998	13,235	16,902	23,972	12,415	82.3	93.3	76.1	80.4	7.12
Natural Gas	756	1,346	1,317	845	8,559	13,775	13,361	9,299	88.4	97.7	98.5	90.9	9.26
Fuel Oil	532	344	423	142	5,535	2,543	3,579	1,557	96.0	135.4	118.1	91.1	13.99
District Heat	218	336	162	124	1,559	1,884	890	912	139.7	178.1	182.4	135.8	21.74
District Chilled Water	39	97	98	58	302	532	659	421	128.5	182.0	149.0	138.3	31.29
Propane	84	33	82	20	1,041	579	1,514	260	81.0	57.2	54.3	78.9	23.92
Any Other	22	12	13	20	444	254	446	407	50.2	48.2	28.8	Q	31.54
Energy End Uses (more than one may apply)													
Heated Buildings	1,084	1,557	1,773	950	12,858	16,303	21,659	11,176	84.3	95.5	81.8	85.0	7.69
Buildings with A/C	973	1,424	1,743	893	11,158	14,383	21,205	10,296	87.2	99.0	82.2	86.7	8.03
Buildings with Water Heating	1,062	1,539	1,700	958	12,410	15,460	19,592	11,017	85.6	99.5	86.8	87.0	7.84
Buildings with Cooking	589	684	707	403	5,740	5,800	7,768	3,757	102.5	117.9	91.0	107.2	11.53
Buildings with Manufacturing	84	93	138	41	756	895	1,039	484	111.4	103.4	133.2	83.8	30.05

See footnotes at end of table.

Table 3.7. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1992 (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	
	1.0	1.0	1.2	1.3	1.0	0.9	0.9	0.9	0.9	0.7	1.2	1.1	
Workers (main shift)													
Less than 5	127	231	283	159	2,708	4,747	7,676	2,813	46.8	48.6	36.8	56.5	13.48
5 to 9	98	191	245	87	1,328	1,867	3,013	1,316	74.0	102.4	81.4	66.4	15.54
10 to 19	118	147	229	140	1,367	1,871	3,266	1,573	86.6	78.8	70.1	89.0	18.15
20 to 49	187	254	377	198	2,014	2,521	3,818	2,204	92.7	100.9	98.8	89.6	14.42
50 to 99	150	199	203	135	1,899	2,002	2,286	1,577	78.8	99.5	89.0	85.7	17.21
100 or More	410	555	487	279	4,085	4,272	4,519	3,135	100.4	129.9	107.9	89.0	13.70
Weekly Operating Hours													
39 or Fewer	64	97	83	34	1,400	2,454	3,278	1,114	45.7	39.4	25.3	31.0	16.03
40 to 48	166	277	407	161	2,272	3,446	6,543	2,738	72.9	80.5	62.2	58.8	12.34
49 to 60	167	250	320	197	2,622	3,474	5,002	2,948	63.7	71.9	64.1	66.9	14.10
61 to 84	190	314	284	175	2,578	3,212	3,795	2,477	73.5	97.6	74.8	70.6	15.58
85 to 167	221	226	207	185	2,486	2,217	1,938	1,826	88.8	101.9	106.9	101.2	15.21
Open Continuously	283	415	524	245	2,042	2,477	4,021	1,517	138.4	167.4	130.3	161.8	18.62
Ownership and Occupancy													
Nongovernment Owned	771	1,169	1,420	784	9,978	13,127	19,480	10,167	77.2	89.1	72.9	77.1	8.09
Owner Occupied	636	989	1,089	598	7,311	10,421	13,503	7,168	87.0	94.9	80.7	83.5	8.08
Single Establishment	507	804	959	481	5,261	7,996	11,466	5,269	96.4	100.5	83.6	91.3	10.01
Multiple Establishment	129	185	131	117	2,050	2,424	2,038	1,899	62.8	76.5	64.1	61.8	16.97
Nonowner Occupied	132	173	318	171	2,350	2,211	5,177	2,534	56.3	78.3	61.4	67.5	20.72
Single Establishment	58	75	203	71	1,025	886	2,586	1,068	56.4	84.8	Q	66.7	29.91
Multiple Establishment	75	98	115	100	1,326	1,325	2,591	1,466	56.2	73.9	44.2	68.2	19.57
Vacant	Q	7	Q	Q	316	495	800	465	Q	13.7	Q	Q	32.80
Government Owned	319	409	405	214	3,422	4,153	5,097	2,452	93.2	98.4	79.5	87.3	14.48
Predominant Exterior Wall Material													
Masonry	836	1,167	1,321	693	9,981	12,914	17,174	8,517	83.7	90.3	76.9	81.3	8.73
Siding or Shingles	60	73	61	68	1,008	1,017	1,052	796	59.7	71.9	58.1	84.8	16.17
Metal Panels	54	125	269	57	930	1,774	3,900	789	58.5	70.3	68.9	72.3	19.64
Concrete Panels	93	91	93	131	1,003	741	1,461	1,755	Q	122.4	63.7	74.4	23.38
Window Glass	35	Q	59	27	372	524	709	423	93.6	141.3	83.5	63.4	28.80
Other	11	Q	Q	Q	106	310	281	Q	106.8	155.7	Q	Q	34.85
Predominant Roof Material													
Built-Up	417	630	971	575	4,889	6,375	11,653	7,341	85.3	98.9	83.3	78.4	11.05
Shingles (Not Wood)	154	235	221	123	2,434	3,213	3,168	1,755	63.4	73.2	69.8	70.3	14.16
Metal Surfacing	37	154	292	66	853	2,064	5,098	1,004	43.5	74.8	57.3	66.0	17.78
Synthetic or Rubber	379	468	214	105	3,757	4,318	2,615	1,012	100.9	108.4	81.8	103.3	13.14
Other	102	90	127	128	1,466	1,311	2,045	1,507	69.6	68.6	62.3	85.2	21.80
Percent Window Glass													
25 or Less	667	1,129	1,450	658	8,988	13,026	20,229	9,113	74.3	86.6	71.7	72.2	8.92
26 to 50	320	285	245	265	3,478	2,852	2,872	2,613	91.9	100.0	85.2	101.3	13.59
51 to 75	76	92	89	55	701	932	943	630	108.1	98.5	94.4	87.7	21.26
76 to 100	27	Q	42	20	232	470	534	263	115.1	153.6	77.9	76.3	25.61
Building Shape													
Square	53	95	76	56	638	870	1,172	974	83.8	109.3	64.4	57.6	20.80
Rectangle	482	873	1,121	611	6,638	10,207	14,942	7,446	72.7	85.5	75.0	82.1	9.57
Right Angle	105	117	99	78	1,533	1,452	1,987	1,099	68.3	80.7	49.9	70.9	15.79
Other	449	492	530	253	4,591	4,751	6,476	3,100	97.8	103.6	81.8	81.5	13.61
Space-Heating Energy Sources (more than one may apply)													
Electricity	346	404	771	415	4,505	4,673	11,185	5,273	76.7	86.4	68.9	78.8	12.60
Natural Gas	561	1,153	1,103	636	6,871	12,289	11,563	7,744	81.6	93.8	95.4	82.2	9.78
Fuel Oil	402	173	198	Q	4,228	1,225	1,618	Q	95.2	141.4	122.2	Q	18.19
District Heat	217	307	151	119	1,555	1,858	849	869	139.6	165.1	178.0	136.8	19.67
Propane	23	12	21	Q	329	355	791	Q	69.6	33.7	27.1	Q	26.61
Wood	Q	3	4	Q	Q	140	168	Q	Q	21.5	23.6	Q	35.12
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.7. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1992 (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	
	1.0	1.0	1.2	1.3	1.0	0.9	0.9	0.9	0.9	0.7	1.2	1.1	
Cooling Energy Sources (more than one may apply)													
Electricity	931	1,302	1,671	818	10,729	13,544	20,609	9,747	86.8	96.2	81.1	83.9	8.08
Natural Gas	37	92	Q	60	320	512	420	654	115.7	180.4	Q	92.1	30.70
District Chilled Water	39	97	98	58	302	532	659	421	128.5	182.0	149.0	138.3	31.29
Water-Heating Energy Sources (more than one may apply)													
Electricity	281	414	809	296	4,366	5,643	11,302	4,171	64.3	73.3	71.6	70.9	12.43
Natural Gas	515	976	853	664	5,607	9,150	8,476	6,717	91.8	106.6	100.6	98.8	10.38
Fuel Oil	202	Q	Q	Q	2,157	Q	169	Q	93.4	Q	126.9	Q	22.95
District Heat	148	234	96	65	990	1,271	449	582	149.2	184.1	213.6	111.7	23.90
Propane	Q	Q	8	Q	225	Q	198	Q	Q	Q	42.3	Q	38.45
Cooking Energy Sources (more than one may apply)													
Electricity	295	347	360	198	2,963	2,832	4,287	2,101	99.6	122.6	84.0	94.1	15.60
Natural Gas	408	525	447	316	3,891	4,388	4,296	2,628	104.9	119.7	104.1	120.2	13.47
Propane	38	Q	28	Q	510	Q	377	Q	73.6	Q	75.3	Q	27.40
Percent of Floorspace Heated													
Not Heated	5	Q	Q	48	542	978	2,918	1,443	9.7	Q	17.9	33.0	29.95
1 to 50	116	88	161	102	2,583	2,177	4,480	2,285	44.9	40.3	36.0	44.6	21.87
51 to 99	198	177	274	235	2,114	2,249	3,107	2,740	93.8	78.7	88.2	85.9	15.85
100	770	1,292	1,337	613	8,161	11,876	14,073	6,151	94.4	108.8	95.0	99.7	7.96
Percent of Floorspace Cooled													
Not Cooled	117	154	82	105	2,242	2,898	3,372	2,323	52.1	53.1	24.3	45.2	17.80
1 to 50	413	468	322	145	5,640	6,318	6,482	3,275	73.2	74.1	49.7	44.2	11.90
51 to 99	307	493	388	244	3,049	3,825	4,097	2,902	100.6	128.9	94.7	84.1	13.26
100	253	463	1,033	504	2,469	4,240	10,627	4,118	102.5	109.1	97.2	122.4	12.21
Heating Equipment (more than one may apply)													
Heat Pumps	128	110	317	150	1,328	1,324	3,632	1,985	96.1	83.0	87.2	75.4	17.95
Furnaces	235	461	452	172	3,268	5,579	4,971	3,092	72.0	82.5	90.9	55.7	12.78
Individual Space Heaters	394	509	577	244	4,907	6,187	7,642	3,643	80.3	82.2	75.4	67.0	12.01
District Heat	217	312	180	120	1,553	1,869	927	875	139.8	166.8	194.3	137.1	20.11
Boilers	523	655	534	267	6,192	6,478	5,404	2,590	84.4	101.2	98.7	103.0	11.85
Packaged Heating Units	253	325	471	308	2,890	3,033	6,440	3,637	87.5	107.1	73.2	84.6	14.09
Other	24	36	Q	Q	180	205	309	Q	132.3	174.2	Q	Q	32.10
Heating Distribution Equipment (more than one may apply)													
Radiators or Baseboards	533	564	170	112	5,615	5,134	1,518	995	95.0	109.8	111.8	112.4	13.98
Ducts for Heating	668	1,175	1,463	767	7,503	11,681	17,131	9,107	89.0	100.6	85.4	84.2	8.91
VAV System Used	266	426	361	226	2,353	3,368	3,283	2,523	112.9	126.3	110.0	89.4	17.99
Individual Space Heaters	394	509	577	244	4,907	6,187	7,642	3,643	80.3	82.2	75.4	67.0	12.01
Fan Coil Units or Other	247	341	301	145	2,033	2,857	2,112	1,455	121.6	119.2	142.4	99.6	16.08
Cooling Equipment (more than one may apply)													
Residential-Type Central A/C	164	242	402	90	1,508	2,968	3,455	1,091	108.9	81.6	116.2	82.4	15.67
Heat Pumps	120	147	324	161	1,286	1,416	3,745	1,959	93.6	103.7	86.6	82.2	17.94
Individual A/C	501	441	401	111	5,806	4,723	5,683	1,767	86.3	93.5	70.5	62.6	15.32
District Chilled Water	39	114	98	58	302	684	659	421	128.6	166.5	148.9	138.3	32.36
Central Chillers	282	426	528	245	2,519	3,163	4,854	2,456	112.1	134.7	108.7	100.0	16.28
Packaged A/C Units	542	688	811	472	5,879	6,564	10,058	5,329	92.2	104.8	80.6	88.7	10.10
Swamp Coolers	Q	Q	Q	131	Q	Q	335	1,546	Q	Q	Q	84.7	21.88
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.7. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels, 1992 (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:	1.0	1.0	1.2	1.3	1.0	0.9	0.9	0.9	0.9	0.7	1.2	
Cooling Distribution Equipment (more than one may apply)													
Ducts for Cooling	738	1,209	1,566	824	8,174	11,757	18,825	8,999	90.3	102.8	83.2	91.6	8.50
VAV System Used	279	458	395	259	2,294	3,798	3,697	2,640	121.5	120.6	106.9	98.3	15.83
Individual A/C	501	441	401	111	5,806	4,723	5,683	1,767	86.3	93.5	70.5	62.6	15.32
Fan Coil Units or Other	171	253	266	126	1,516	1,649	1,828	1,618	112.7	153.7	145.7	78.1	20.28
Water-Heating Equipment (more than one may apply)													
Centralized System	719	961	969	536	7,854	9,002	9,298	5,445	91.5	106.8	104.2	98.4	10.83
Distributed System	365	642	843	455	4,792	7,009	11,836	5,866	76.2	91.7	71.2	77.6	12.37
Energy Conservation Features (more than one may apply)													
Any Conservation Features	1,084	1,538	1,796	993	12,891	16,619	22,659	12,234	84.1	92.5	79.3	81.1	7.54
Building Shell	1,065	1,509	1,745	965	12,612	16,031	21,758	11,655	84.5	94.1	80.2	82.8	7.57
HVAC	990	1,329	1,510	870	10,840	13,100	16,864	9,477	91.3	101.4	89.5	91.8	7.81
Lighting	631	782	805	581	6,727	7,790	8,307	6,628	93.8	100.4	96.9	87.7	10.50
Other	176	166	128	82	1,626	1,575	1,757	993	108.1	105.6	72.9	82.6	16.09
Energy Management Practices (more than one may apply)													
Energy Management and Control System	269	548	464	291	2,474	4,359	4,506	2,981	108.6	125.6	102.9	97.7	14.50
Demand-Side Management ¹ Participation	377	373	389	188	3,436	3,279	2,600	1,994	109.8	113.7	149.5	94.1	14.93
Energy Audit	398	441	384	256	4,136	3,944	3,810	2,890	96.3	111.9	100.7	88.6	12.24
Building Energy Manager	55	70	126	45	340	647	966	359	163.1	108.4	130.9	124.6	27.73

¹ These Demand-Side Management (DSM) data, which include utility-sponsored programs, in-house programs, and third-party sponsored programs, were reported by the building respondent on the Building Questionnaire (Form EIA-871A). The electric utility-sponsored DSM data reported by the electricity suppliers (Form EIA-871E-1b) are presented in the "At a Glance" section and Table 3.49 of this section. See Appendix B, "Nonsampling and Sampling Errors," for a discussion of the differences between the energy supplier-reported data and building respondent-reported data.

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. • A/C = Air Conditioning. • HVAC = Heating, Ventilation, and Air Conditioning. • VAV = Variable Air Volume. • 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 1992 Commercial Buildings Energy Consumption Survey.

Table 3.16. Electricity Consumption and Conditional Energy Intensity by Census Region, 1992

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	
	1.1	1.2	1.1	1.3	1.1	1.0	0.9	1.1	0.9	0.8	0.8	0.9	
All Buildings	123	182	294	166	13,235	16,902	23,972	12,415	9.3	10.8	12.2	13.4	6.81
Building Floorspace (square feet)													
1,001 to 5,000	13	20	45	21	1,037	1,779	3,007	1,161	12.3	11.1	14.9	17.9	11.10
5,001 to 10,000	9	15	28	22	1,337	1,742	2,618	1,359	6.8	8.4	10.6	16.3	12.28
10,001 to 25,000	13	24	38	23	1,652	2,571	3,659	2,216	7.9	9.2	10.4	10.6	11.70
25,001 to 50,000	14	17	45	25	1,912	2,330	3,627	1,988	7.3	7.5	12.5	12.7	14.14
50,001 to 100,000	18	20	30	22	1,731	2,074	2,760	1,361	10.6	9.6	10.9	16.0	15.18
100,001 to 200,000	10	28	39	25	1,598	2,047	3,702	2,311	6.3	13.5	10.6	10.7	17.78
200,001 to 500,000	19	37	30	20	1,665	2,759	1,916	1,337	11.2	13.6	15.4	15.0	18.42
Over 500,000	27	22	39	8	2,303	1,601	2,685	683	11.6	13.5	14.4	11.6	25.30
Principal Building Activity													
Education	12	19	22	16	1,968	2,386	2,620	1,496	6.2	7.8	8.2	10.9	12.23
Food Sales	Q	8	11	10	Q	182	245	209	Q	43.9	42.8	49.8	21.80
Food Service	7	10	14	9	445	432	407	208	14.9	23.6	34.7	45.3	17.88
Health Care	7	11	17	6	386	487	597	292	19.0	22.0	27.7	19.7	18.22
Lodging	6	8	23	18	616	577	1,043	654	10.0	13.4	22.2	28.0	21.87
Mercantile and Service	23	33	51	24	2,798	3,150	4,228	2,212	8.1	10.3	12.1	10.8	11.96
Office	37	45	75	49	2,525	2,804	4,152	2,838	14.5	16.0	18.2	17.4	12.48
Parking Garage	Q	Q	2	2	Q	455	272	Q	Q	Q	Q	6.5	40.15
Public Assembly	6	8	28	8	777	861	2,267	649	8.3	9.6	12.2	12.7	17.93
Public Order and Safety	Q	Q	3	Q	269	Q	238	Q	9.2	Q	13.8	Q	31.74
Religious Worship	1	2	5	2	452	1,137	1,366	792	1.5	1.8	3.4	2.5	21.47
Warehouse and Storage	11	22	31	10	1,736	2,985	4,880	1,579	6.5	7.4	6.4	6.3	23.37
Other	3	7	9	4	199	301	381	244	14.3	23.6	23.8	15.6	34.18
Vacant	2	2	3	6	571	794	1,092	913	3.4	2.7	3.1	6.8	27.98
Year Constructed													
1899 or Before	5	4	Q	Q	676	720	Q	Q	7.0	5.0	Q	Q	27.27
1900 to 1919	7	7	3	3	1,032	1,144	748	477	7.0	5.7	4.3	5.5	28.69
1920 to 1945	13	18	23	9	2,575	2,195	2,513	1,102	5.1	8.3	9.1	8.5	19.36
1946 to 1959	17	20	38	23	2,039	2,591	3,745	1,760	8.3	7.5	10.0	13.2	16.40
1960 to 1969	28	39	55	32	2,476	2,632	4,820	2,545	11.4	14.9	11.4	12.8	14.17
1970 to 1979	24	45	74	41	2,120	3,985	4,824	2,850	11.6	11.3	15.3	14.4	11.76
1980 to 1989	24	42	89	47	2,032	2,971	6,253	2,892	11.7	14.2	14.3	16.2	13.00
1990 to 1992	4	8	11	9	286	663	903	630	14.5	12.1	12.4	13.7	21.99
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	42	Q	7	Q	3,939	Q	Q	9.3	10.8	Q	9.5	15.79
5,500-7,000 HDD	57	102	Q	23	6,802	9,235	Q	1,682	8.3	11.0	Q	13.9	12.85
4,000-5,499 HDD	58	38	59	19	5,592	3,728	4,897	1,748	10.4	10.1	12.1	11.1	12.86
Fewer than 4,000 HDD	Q	Q	106	88	Q	Q	7,989	6,875	Q	Q	13.3	12.7	13.90
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	128	29	Q	Q	11,086	1,415	Q	Q	11.6	20.6	17.72
Energy Sources (more than one may apply)													
Electricity	123	182	294	166	13,235	16,902	23,972	12,415	9.3	10.8	12.2	13.4	6.81
Natural Gas	78	143	169	129	8,559	13,775	13,355	9,299	9.2	10.4	12.6	13.8	8.41
Fuel Oil	55	38	70	28	5,535	2,536	3,579	1,557	10.0	15.0	19.6	18.3	15.72
District Heat	19	31	17	15	1,559	1,884	890	912	12.1	16.5	18.8	16.5	22.82
District Chilled Water	4	12	12	7	302	532	659	421	12.9	21.9	17.8	17.5	28.53
Propane	12	5	18	4	1,041	572	1,514	260	11.2	8.4	11.8	16.5	23.42
Any Other	3	2	3	4	444	248	442	407	5.8	7.4	6.7	Q	34.72
Energy End Uses (more than one may apply)													
Heated Buildings	121	176	280	155	12,858	16,296	21,634	11,176	9.4	10.8	12.9	13.9	6.84
Buildings with A/C	115	170	278	154	11,158	14,382	21,205	10,296	10.3	11.8	13.1	15.0	6.99
Buildings with Water Heating	119	178	268	158	12,410	15,459	19,591	11,017	9.6	11.5	13.7	14.4	6.88
Buildings with Cooking	70	82	125	64	5,740	5,800	7,768	3,757	12.2	14.2	16.1	16.9	9.69
Buildings with Manufacturing	8	8	13	6	756	889	1,039	484	10.4	8.5	13.0	11.9	25.75

See footnotes at end of table.

Table 3.16. Electricity Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	1.1	1.2	1.1	1.3	1.1	1.0	0.9	1.1	0.9	0.8	0.8	0.9	
Workers (main shift)													
Less than 5	13	21	53	25	2,543	4,392	7,072	2,609	5.2	4.8	7.5	9.7	12.43
5 to 9	9	17	28	14	1,328	1,867	3,013	1,316	6.6	9.3	9.4	10.9	11.72
10 to 19	11	17	40	18	1,367	1,848	3,266	1,573	8.3	9.3	12.2	11.2	14.96
20 to 49	16	23	53	32	2,014	2,521	3,818	2,204	7.7	9.1	13.9	14.6	12.85
50 to 99	15	31	27	23	1,899	2,002	2,286	1,577	8.1	15.7	11.8	14.7	17.19
100 or More	58	72	92	53	4,085	4,272	4,519	3,135	14.3	16.9	20.4	17.0	12.39
Weekly Operating Hours													
39 or Fewer	5	5	10	4	1,255	2,128	2,736	945	3.7	2.3	3.7	4.2	15.60
40 to 48	19	30	66	27	2,263	3,441	6,529	2,712	8.4	8.6	10.1	9.9	13.84
49 to 60	24	27	46	30	2,618	3,459	4,998	2,944	9.0	7.7	9.1	10.0	11.72
61 to 84	21	42	48	30	2,578	3,190	3,784	2,477	8.0	13.3	12.6	12.3	14.90
85 to 167	29	31	41	30	2,486	2,217	1,928	1,824	11.8	14.1	21.1	16.6	14.04
Open Continuously	25	47	84	45	2,035	2,466	3,997	1,513	12.5	19.1	21.0	29.7	14.36
Ownership and Occupancy													
Nongovernment Owned	91	143	233	135	9,813	12,797	18,980	9,987	9.3	11.2	12.3	13.5	7.53
Owner Occupied	73	119	172	103	7,291	10,321	13,428	7,117	9.9	11.6	12.8	14.5	7.99
Single Establishment	56	93	144	80	5,240	7,903	11,391	5,218	10.7	11.7	12.7	15.4	10.05
Multiple Establishment	16	27	28	23	2,050	2,418	2,038	1,899	8.0	11.1	13.6	12.2	16.51
Nonowner Occupied	19	23	60	29	2,343	2,169	5,135	2,508	7.9	10.6	11.7	11.5	15.39
Single Establishment	8	8	36	14	1,025	859	2,575	1,062	7.7	9.1	13.9	13.1	22.86
Multiple Establishment	11	15	24	15	1,319	1,310	2,561	1,447	8.1	11.6	9.5	10.4	17.66
Vacant	Q	1	1	Q	Q	307	417	Q	Q	1.7	2.9	Q	34.59
Government Owned	31	39	60	31	3,422	4,105	4,992	2,427	9.2	9.6	12.1	12.9	12.31
Predominant Exterior Wall Material													
Masonry	86	129	209	112	9,942	12,708	16,757	8,407	8.6	10.2	12.5	13.3	7.53
Siding or Shingles	7	7	10	13	931	945	999	772	7.7	7.8	10.1	17.3	15.59
Metal Panels	8	15	35	10	882	1,684	3,809	750	9.0	9.2	9.3	12.9	20.59
Concrete Panels	14	12	19	20	1,003	734	1,434	1,735	13.9	16.1	13.1	11.7	21.28
Window Glass	Q	Q	15	6	372	Q	692	423	17.6	25.5	21.8	14.8	24.44
Other	1	5	Q	Q	106	310	Q	Q	13.4	16.3	Q	Q	27.75
Predominant Roof Material													
Built-Up	46	73	160	99	4,837	6,272	11,378	7,269	9.4	11.7	14.1	13.7	9.86
Shingles (Not Wood)	16	27	32	18	2,366	3,154	3,086	1,716	6.6	8.6	10.4	10.3	15.27
Metal Surfacing	5	17	37	11	817	1,959	4,921	935	5.8	8.8	7.5	12.2	15.97
Synthetic or Rubber	47	52	41	18	3,749	4,235	2,611	1,000	12.6	12.2	15.6	17.7	10.97
Other	9	13	23	20	1,466	1,282	1,977	1,494	6.5	10.1	11.8	13.4	20.84
Space-Heating Energy Source													
Electricity	56	54	164	78	4,505	4,673	11,185	5,273	12.4	11.6	14.7	14.8	10.38
Electricity Main	25	26	131	52	1,768	2,169	8,529	3,036	14.0	12.1	15.4	17.2	13.37
Electricity Secondary	31	28	33	26	2,737	2,504	2,657	2,237	11.4	11.2	12.5	11.5	16.40
Other Excluding Electricity	65	122	115	77	8,353	11,623	10,449	5,903	7.8	10.5	11.0	13.1	8.35
Building Not Heated	2	Q	Q	11	377	606	2,338	1,239	4.1	Q	6.0	8.7	28.95

See footnotes at end of table.

Table 3.16. Electricity Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	1.1	1.2	1.1	1.3	1.1	1.0	0.9	1.1	0.9	0.8	0.8	0.9	
Main Space-Heating Energy Source													
Electricity	25	26	131	52	1,768	2,169	8,529	3,036	14.0	12.1	15.4	17.2	13.37
Natural Gas	53	114	121	87	6,049	11,458	10,631	6,984	8.8	10.0	11.4	12.5	9.74
Fuel Oil	23	Q	6	Q	3,202	426	728	Q	7.1	Q	8.4	Q	15.83
District Heat	17	30	15	14	1,466	1,682	810	791	11.9	17.6	18.0	17.9	19.29
Propane	2	Q	3	Q	158	287	571	Q	14.4	8.3	5.9	Q	32.15
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Main Heating													
Electricity Only	2	7	9	4	273	805	1,030	451	5.7	8.6	9.1	9.7	21.88
Natural Gas Only	5	5	8	5	665	547	593	454	8.2	9.9	13.3	Q	26.08
Fuel Oil Only	16	26	26	8	1,541	2,122	1,382	406	10.2	12.5	18.9	19.0	23.05
Propane Only	4	6	5	6	353	772	541	501	10.2	8.0	9.0	12.9	24.50
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	2	2	Q	Q	243	214	Q	Q	8.4	9.1	Q	37.04
No Replacement Energy Source	90	129	228	129	9,581	11,676	17,760	9,137	9.4	11.0	12.9	14.1	7.84
Building Not Heated	2	Q	Q	11	377	606	2,338	1,239	4.1	Q	6.0	8.7	28.95
Cooling Energy Source													
Electricity	110	157	269	145	10,729	13,544	20,609	9,747	10.3	11.6	13.1	14.9	7.07
Other Excluding Electricity	5	13	9	9	429	839	597	549	11.5	15.5	14.2	15.9	27.34
A/C Not Performed	8	12	16	12	2,078	2,520	2,767	2,119	3.7	4.9	5.7	5.7	20.53
Water-Heating Energy Source													
Electricity	45	62	156	58	4,366	5,643	11,302	4,171	10.4	10.9	13.8	14.0	10.90
Other Excluding Electricity	74	116	111	100	8,044	9,817	8,288	6,846	9.2	11.9	13.4	14.6	8.86
Water Heating Not Performed	3	4	26	8	825	1,443	4,382	1,398	4.2	2.7	6.0	5.4	18.98
Cooking Energy Source													
Electricity	42	47	70	35	2,963	2,832	4,287	2,101	14.2	16.6	16.4	16.6	12.61
Other Excluding Electricity	28	35	54	29	2,777	2,968	3,481	1,656	10.0	11.8	15.6	17.4	13.43
Cooking Not Performed	53	100	169	102	7,496	11,102	16,204	8,658	7.0	9.0	10.4	11.8	8.94
Percent of Floorspace Heated													
Not Heated	2	Q	Q	11	377	606	2,338	1,239	4.1	Q	6.0	8.7	28.95
1 to 50	16	14	25	19	2,583	2,177	4,461	2,285	6.3	6.4	5.7	8.3	20.38
51 to 99	26	22	41	37	2,114	2,243	3,102	2,740	12.3	10.0	13.3	13.5	14.34
100	79	140	213	99	8,161	11,876	14,071	6,151	9.7	11.8	15.1	16.2	7.31
Percent of Floorspace Cooled													
Not Cooled	8	12	16	12	2,078	2,520	2,767	2,119	3.7	4.9	5.7	5.7	20.53
1 to 50	34	42	42	22	5,640	6,318	6,482	3,275	6.0	6.6	6.5	6.7	10.87
51 to 99	44	65	65	45	3,049	3,825	4,097	2,902	14.5	17.0	15.8	15.6	10.27
100	37	63	171	87	2,469	4,240	10,627	4,118	14.9	14.9	16.1	21.1	9.77
Percent Lit when Open													
Not Lit	Q	1	2	Q	Q	653	594	397	Q	1.3	3.4	4.1	36.28
1 to 50	7	11	21	10	1,763	2,771	3,754	1,688	3.8	4.0	5.7	5.6	15.49
51 to 99	28	43	57	32	3,098	3,914	4,611	2,599	9.0	11.0	12.4	12.3	11.59
100	88	127	213	123	8,085	9,564	15,013	7,731	10.8	13.3	14.2	15.9	8.01

See footnotes at end of table.

Table 3.16. Electricity Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	1.1	1.2	1.1	1.3	1.1	1.0	0.9	1.1	0.9	0.8	0.8	0.9	
Percent Lit when Closed													
Not Lit	47	85	148	90	5,713	7,906	12,610	6,905	8.2	10.7	11.7	13.0	9.21
1 to 50	72	94	133	69	7,264	8,577	10,536	5,104	9.9	10.9	12.7	13.6	8.85
51 to 99	Q	2	5	6	Q	205	328	306	Q	11.3	16.4	20.3	28.73
100	Q	1	7	Q	Q	214	498	Q	Q	6.3	14.1	Q	29.61
Heating Equipment (more than one may apply)													
Heat Pumps	18	15	63	31	1,328	1,324	3,632	1,985	13.8	11.3	17.3	15.7	15.53
Furnaces	28	51	47	28	3,268	5,579	4,969	3,092	8.7	9.2	9.5	9.1	11.58
Individual Space Heaters	52	61	93	42	4,907	6,181	7,633	3,643	10.6	9.9	12.1	11.6	11.12
District Heat	19	31	17	15	1,553	1,869	927	875	12.2	16.5	18.7	16.9	18.67
Boilers	50	69	81	42	6,192	6,477	5,404	2,590	8.1	10.7	15.0	16.4	9.87
Packaged Heating Units	35	46	84	49	2,890	3,033	6,440	3,637	12.0	15.1	13.1	13.6	12.71
Other	3	Q	Q	Q	180	Q	Q	Q	19.0	Q	Q	Q	31.82
Cooling Equipment (more than one may apply)													
Residential-Type Central A/C	14	25	42	14	1,508	2,968	3,455	1,091	9.4	8.3	12.1	12.9	13.59
Heat Pumps	16	16	63	33	1,286	1,416	3,745	1,959	12.6	11.3	16.7	16.8	15.73
Individual A/C	49	39	64	18	5,806	4,723	5,683	1,767	8.4	8.3	11.2	10.2	13.51
District Chilled Water	4	12	12	7	302	684	659	421	12.9	17.1	17.8	17.5	30.50
Central Chillers	35	54	91	45	2,519	3,163	4,854	2,456	13.9	17.1	18.7	18.2	12.02
Packaged A/C Units	66	90	135	83	5,879	6,563	10,058	5,329	11.2	13.7	13.5	15.5	9.11
Swamp Coolers	Q	Q	4	22	Q	Q	335	1,546	Q	Q	12.6	14.1	24.48
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Lighting Equipment (more than one may apply)													
Incandescent	86	116	169	108	8,905	10,724	12,240	7,351	9.7	10.8	13.8	14.7	7.72
Standard Fluorescent	120	174	278	161	12,733	15,945	21,651	11,737	9.4	10.9	12.8	13.7	6.80
Compact Fluorescent	42	28	33	31	2,990	1,846	1,607	1,891	13.9	15.2	20.8	16.6	14.40
High-Intensity Discharge	47	69	66	35	4,623	5,840	4,686	2,419	10.1	11.8	14.1	14.3	12.30
Other	Q	Q	Q	5	Q	Q	553	437	Q	Q	15.6	10.5	35.26
Commercial Refrigeration Equipment (more than one may apply)													
Any Equipment	79	97	142	77	6,350	6,570	8,294	4,192	12.5	14.7	17.1	18.4	8.74
Walk-in Units	63	80	117	62	4,873	4,779	6,056	2,971	12.9	16.8	19.3	20.7	9.69
Cases and Cabinets	67	84	116	69	5,216	5,429	6,716	3,626	12.8	15.4	17.3	19.1	9.67
None	43	85	152	89	6,885	10,332	15,679	8,223	6.3	8.3	9.7	10.8	9.97
Personal Computers and/or Computer Terminals													
1 to 4	18	34	47	25	2,463	3,795	4,591	2,506	7.3	8.9	10.2	10.0	11.27
5 to 9	10	19	23	15	1,133	1,336	2,141	1,360	9.2	14.2	10.8	11.3	16.78
10 to 19	11	13	28	21	1,450	1,373	1,898	1,515	7.6	9.6	15.0	13.6	18.05
20 to 49	15	22	28	20	1,776	2,070	2,202	1,391	8.3	10.8	12.9	14.1	16.59
50 or More	52	67	89	55	3,540	3,854	4,321	2,977	14.6	17.3	20.7	18.4	12.19
Annual Consumption (kilowatthours)													
10,000 or Less	1	1	2	1	835	1,314	1,937	663	1.2	1.1	1.1	1.1	12.98
10,001 to 50,000	8	10	18	8	2,078	2,871	4,878	1,873	3.8	3.6	3.7	4.3	10.16
50,001 to 100,000	7	12	20	10	1,126	1,805	2,799	1,354	6.3	6.5	7.2	7.1	12.80
100,001 to 500,000	27	38	69	41	3,368	3,997	5,340	3,335	8.0	9.5	12.9	12.2	8.39
500,001 to 1,000,000	10	18	32	18	1,105	1,648	2,188	1,416	8.7	11.2	14.6	12.9	13.45
1,000,001 to 5,000,000	31	52	83	60	2,822	3,425	3,753	2,616	11.0	15.3	22.2	23.1	12.92
Over 5,000,000	39	50	69	28	1,902	1,842	3,077	1,157	20.7	27.1	22.5	24.4	16.38

See footnotes at end of table.

Table 3.16. Electricity Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	RSE Column Factor:	1.1	1.2	1.1	1.3	1.1	1.0	0.9	1.1	0.9	0.8	0.8	
Peak Electricity Demand (kilowatts)													
10 or Less	1	1	2	1	461	494	1,146	229	2.9	2.7	2.0	2.8	22.88
11 to 25	6	4	10	3	1,220	999	1,756	435	4.9	4.4	5.4	6.3	17.66
26 to 50	10	7	20	8	1,165	976	2,010	843	8.5	7.4	9.9	9.8	17.39
51 to 100	10	14	33	16	1,491	1,393	2,670	1,374	7.0	10.0	12.4	11.7	14.03
101 to 250	15	23	42	23	1,594	1,988	3,175	1,653	9.4	11.4	13.3	14.0	13.77
251 to 1,000	29	39	76	55	2,475	2,798	4,194	2,688	11.6	13.9	18.2	20.3	16.40
Over 1,000	23	53	73	31	1,203	2,241	3,445	1,296	19.3	23.7	21.3	23.6	16.94
Season of Peak Electricity Demand													
Summer	62	101	157	95	5,224	7,057	11,089	5,919	11.8	14.3	14.1	16.1	11.14
Winter	30	37	88	32	3,769	3,399	6,411	2,100	7.9	10.8	13.7	15.4	14.64
Summer and Winter	3	4	12	9	616	433	896	499	4.8	9.4	13.8	17.5	24.23
Building Generates Electricity													
Yes	39	42	67	38	2,792	2,543	2,981	2,057	14.0	16.4	22.6	18.4	13.15
No	84	141	226	128	10,444	14,359	20,991	10,358	8.0	9.8	10.8	12.4	7.75

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. • A/C = 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 1992 Commercial Buildings Energy Consumption Survey.

Table 3.32. Natural Gas Consumption and Conditional Energy Intensity by Census Region, 1992

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	
	1.2	0.9	1.5	1.2	1.1	0.8	0.8	0.9	0.9	0.6	1.3	1.0	
All Buildings	344	726	677	365	8,559	13,775	13,361	9,299	40.2	52.7	50.7	39.3	10.67
Building Floorspace (square feet)													
1,001 to 5,000	36	104	115	57	451	1,231	1,343	726	79.7	84.6	85.5	77.9	14.30
5,001 to 10,000	31	88	63	62	649	1,403	1,290	919	48.4	62.8	48.5	67.3	15.20
10,001 to 25,000	53	126	162	85	965	2,203	1,931	1,736	54.7	57.1	84.1	48.9	19.67
25,001 to 50,000	70	85	113	47	1,306	1,822	1,977	1,415	53.4	46.5	57.2	33.2	22.15
50,001 to 100,000	52	86	65	44	1,082	1,680	1,870	1,103	48.4	51.4	34.7	40.0	18.83
100,001 to 200,000	32	81	47	40	1,135	1,891	2,257	1,852	28.4	42.8	20.8	21.6	20.37
200,001 to 500,000	31	100	Q	26	897	2,298	1,375	1,029	34.3	43.4	Q	25.6	27.66
Over 500,000	39	56	61	4	2,073	1,247	1,316	519	18.8	45.2	46.1	8.2	32.47
Principal Building Activity													
Education	64	113	63	43	1,457	2,291	1,933	1,174	43.9	49.4	32.6	36.6	17.16
Food Sales	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Food Service	29	51	35	37	294	412	243	197	99.8	123.7	142.9	189.1	22.26
Health Care	30	67	71	15	286	453	549	257	106.4	148.7	129.3	59.8	26.71
Lodging	41	40	53	54	390	523	725	596	104.1	76.2	73.0	90.4	26.10
Mercantile and Service	63	128	111	68	2,080	2,852	2,656	1,768	30.3	45.0	41.8	38.2	22.25
Office	31	102	187	57	1,285	2,080	2,443	2,037	24.2	48.9	76.3	28.2	17.55
Parking Garage	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Public Assembly	20	34	18	25	553	608	785	591	36.3	55.5	23.5	41.5	24.22
Public Order and Safety	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Religious Worship	7	30	13	12	340	977	870	713	22.0	30.7	15.4	17.2	23.95
Warehouse and Storage	33	89	54	14	1,127	2,238	1,992	975	29.5	39.7	27.1	14.5	25.22
Other	Q	15	Q	Q	Q	195	Q	Q	Q	74.9	Q	Q	43.12
Vacant	Q	27	12	15	Q	502	Q	517	Q	53.6	18.3	28.6	31.95
Year Constructed													
1899 or Before	15	27	Q	Q	417	627	Q	Q	36.2	43.3	Q	Q	27.29
1900 to 1919	26	39	12	22	742	951	Q	459	34.8	41.2	18.6	47.7	28.29
1920 to 1945	50	131	89	30	1,630	1,742	1,463	900	31.0	75.4	60.7	33.8	22.94
1946 to 1959	40	111	141	54	1,272	2,309	2,360	1,360	31.2	47.9	59.7	39.4	20.15
1960 to 1969	80	131	137	65	1,715	2,035	3,141	1,980	46.7	64.5	43.7	32.8	18.68
1970 to 1979	65	162	171	114	1,260	3,149	2,613	2,195	51.5	51.6	65.6	52.0	21.35
1980 to 1989	61	107	101	66	1,359	2,435	2,608	1,820	45.0	44.0	38.8	36.3	19.73
1990 to 1992	7	17	14	8	164	527	476	458	42.5	32.8	29.1	18.4	31.95
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	150	Q	34	Q	3,047	Q	Q	Q	49.1	Q	52.9	21.68
5,500-7,000 HDD	213	450	Q	62	4,715	7,778	Q	1,226	45.2	57.9	Q	50.5	16.59
4,000-5,499 HDD	131	126	Q	34	3,844	2,950	2,402	1,301	34.1	42.8	59.0	26.5	21.40
Fewer than 4,000 HDD	Q	Q	259	197	Q	Q	5,634	5,375	Q	Q	46.0	36.7	19.15
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	277	Q	Q	Q	5,325	759	Q	Q	52.0	49.8	23.59
Energy Sources (more than one may apply)													
Electricity	344	726	677	365	8,559	13,775	13,355	9,299	40.2	52.7	50.7	39.3	10.96
Natural Gas	344	726	677	365	8,559	13,775	13,361	9,299	40.2	52.7	50.7	39.3	10.67
Fuel Oil	99	152	113	36	2,880	2,060	2,127	1,358	34.2	73.5	52.9	26.4	23.74
District Heat	22	45	Q	21	841	1,022	Q	439	26.3	44.2	Q	47.6	39.74
District Chilled Water	Q	Q	17	Q	Q	Q	327	Q	Q	Q	52.7	Q	22.80
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy End Uses (more than one may apply)													
Heated Buildings	344	725	674	355	8,559	13,765	13,249	8,953	40.2	52.7	50.9	39.6	10.68
Buildings with A/C	316	638	662	315	7,885	12,329	12,988	8,122	40.0	51.8	51.0	38.7	11.12
Buildings with Water Heating	342	708	652	356	8,447	13,255	12,416	8,928	40.4	53.4	52.5	39.9	10.83
Buildings with Cooking	196	322	235	162	4,517	5,480	5,180	3,281	43.3	58.8	45.4	49.4	14.26
Buildings with Manufacturing	27	34	75	17	573	753	790	411	46.7	45.6	95.5	40.1	32.77

See footnotes at end of table.

Table 3.32. Natural Gas Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	1.2	0.9	1.5	1.2	1.1	0.8	0.8	0.9	0.9	0.6	1.3	1.0	
Workers (main shift)													
Less than 5	44	140	76	62	955	2,932	2,772	1,391	45.8	47.7	27.6	44.3	15.03
5 to 9	31	99	127	34	729	1,518	1,343	910	43.1	64.9	94.3	37.5	18.43
10 to 19	51	69	77	73	1,018	1,617	1,617	1,221	50.0	42.7	47.9	59.4	21.48
20 to 49	78	140	162	80	1,500	2,335	2,721	1,802	51.9	60.0	59.7	44.4	19.43
50 to 99	60	70	98	44	1,311	1,679	1,640	1,344	45.4	41.7	60.0	32.8	23.26
100 or More	81	209	136	73	3,046	3,694	3,268	2,631	26.5	56.6	41.6	27.6	17.99
Weekly Operating Hours													
39 or Fewer	24	69	37	17	671	1,342	1,434	572	35.7	51.4	25.8	29.6	21.03
40 to 48	40	139	140	59	1,085	2,867	3,686	1,892	37.0	48.3	37.9	31.1	15.74
49 to 60	48	126	144	78	1,595	3,007	2,890	2,062	29.8	41.7	49.9	37.7	18.76
61 to 84	72	143	105	65	2,003	2,698	2,326	2,105	35.8	53.1	Q	31.0	21.06
85 to 167	71	104	58	71	1,871	1,979	1,176	1,483	37.9	52.4	48.9	47.7	20.61
Open Continuously	90	146	194	76	1,334	1,882	1,849	1,186	67.5	77.7	104.8	63.7	20.81
Ownership and Occupancy													
Nongovernment Owned	256	541	537	293	6,197	10,239	10,082	7,565	41.4	52.8	53.2	38.8	11.51
Owner Occupied	212	448	429	217	4,556	8,304	7,581	5,687	46.4	54.0	56.6	38.2	11.41
Single Establishment	185	370	396	183	2,978	6,115	6,435	4,091	62.2	60.5	61.5	44.7	12.31
Multiple Establishment	26	79	33	34	1,578	2,189	1,146	1,595	16.7	36.0	28.8	21.5	22.91
Nonowner Occupied	44	88	Q	70	1,594	1,809	2,314	1,749	27.5	48.4	Q	39.9	23.51
Single Establishment	27	44	Q	23	Q	618	832	658	35.3	71.9	Q	34.6	28.86
Multiple Establishment	17	43	29	Q	833	1,191	1,482	1,090	20.5	36.2	19.3	Q	20.84
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Government Owned	88	186	141	72	2,362	3,536	3,279	1,734	37.2	52.5	42.9	41.4	16.91
Predominant Exterior Wall Material													
Masonry	284	563	490	270	6,685	10,752	10,181	6,668	42.6	52.3	48.1	40.5	12.14
Siding or Shingles	17	41	22	21	384	678	427	472	44.2	60.5	51.1	43.7	22.18
Metal Panels	Q	62	135	22	492	1,178	1,367	414	27.7	52.9	99.0	53.1	26.09
Concrete Panels	Q	40	20	40	Q	641	917	1,210	Q	62.1	22.3	32.9	27.00
Window Glass	Q	13	7	5	Q	246	362	258	Q	54.4	18.3	19.4	32.71
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Predominant Roof Material													
Built-Up	126	306	340	196	3,435	5,367	6,838	5,649	36.8	57.0	49.8	34.7	14.47
Shingles (Not Wood)	53	115	96	56	1,179	2,225	1,703	1,404	45.3	51.5	56.1	40.2	17.56
Metal Surfacing	10	67	147	22	336	1,314	2,097	539	30.8	51.0	70.2	40.7	23.65
Synthetic or Rubber	128	204	60	41	2,667	3,869	1,940	851	47.9	52.7	30.9	47.7	18.27
Other	26	35	34	50	943	1,001	784	856	28.0	35.2	43.9	58.4	27.04
Space-Heating Energy Source													
Natural Gas	318	667	603	294	6,871	12,289	11,563	7,744	46.3	54.3	52.2	38.0	11.68
Natural Gas Main	301	638	554	277	6,049	11,459	10,637	6,984	49.8	55.7	52.1	39.6	12.14
Natural Gas Secondary	17	29	Q	18	822	831	926	759	20.5	35.3	Q	23.1	32.14
Other Excluding Natural Gas	26	58	71	60	1,688	1,476	1,686	1,210	15.3	39.1	41.8	49.7	19.26
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Primary Space-Heating Energy Source													
Electricity	15	41	73	57	609	1,171	2,063	1,402	25.0	34.9	35.3	40.8	22.16
Natural Gas	301	638	554	277	6,049	11,459	10,637	6,984	49.8	55.7	52.1	39.6	12.14
Fuel Oil	11	Q	Q	Q	1,003	Q	Q	Q	10.7	Q	Q	Q	23.73
District Heat	16	28	21	19	769	830	323	334	21.0	34.1	65.6	55.4	30.68
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 3.32. Natural Gas Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	1.2	0.9	1.5	1.2	1.1	0.8	0.8	0.9	0.9	0.6	1.3	1.0	
Replacement Energy Source for Primary Heating													
Electricity Only	10	36	Q	12	216	698	742	440	44.2	52.1	Q	27.9	25.39
Natural Gas Only	4	Q	Q	Q	242	Q	Q	Q	15.7	Q	Q	Q	34.58
Fuel Oil Only	93	150	83	21	1,419	1,970	1,211	358	65.2	75.9	68.2	58.4	25.63
Propane Only	Q	29	14	13	Q	671	362	485	Q	43.6	38.0	26.1	27.13
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	197	489	465	290	6,133	9,915	10,572	7,127	32.2	49.4	44.0	40.8	11.59
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Cooling Energy Source													
Natural Gas	19	65	Q	23	320	512	420	654	60.5	127.0	Q	34.9	27.03
Other Excluding Natural Gas	296	573	589	292	7,565	11,817	12,568	7,468	39.2	48.5	46.8	39.1	11.08
A/C Not Performed	28	88	15	51	674	1,446	373	1,177	42.3	60.7	40.8	42.9	22.25
Water-Heating Energy Source													
Natural Gas	278	577	441	301	5,607	9,150	8,476	6,717	49.5	63.1	52.1	44.9	12.02
Other Excluding Natural Gas	64	131	211	55	2,840	4,105	3,940	2,211	22.4	32.0	53.5	24.8	17.43
Water Heating Not Performed	Q	18	26	9	Q	520	945	371	Q	34.4	27.0	23.6	21.02
Cooking Energy Source													
Natural Gas	172	278	194	149	3,891	4,388	4,296	2,628	44.1	63.4	45.2	56.8	15.61
Other Excluding Natural Gas	24	44	41	13	626	1,091	884	653	38.4	40.5	46.4	19.7	24.36
Cooking Not Performed	148	404	442	203	4,042	8,295	8,181	6,018	36.7	48.7	54.1	33.7	12.62
Percent of Floorspace Heated													
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	37	32	66	35	1,813	1,422	2,401	1,549	20.2	22.3	27.5	22.8	25.23
51 to 99	68	75	Q	92	1,513	1,998	2,038	2,136	45.0	37.6	Q	43.1	19.61
100	239	618	491	227	5,233	10,345	8,810	5,268	45.8	59.8	55.7	43.1	10.77
Heating Equipment (more than one may apply)													
Heat Pumps	39	42	87	40	866	982	1,463	1,347	45.3	42.4	59.2	29.3	27.75
Furnaces	102	261	270	71	2,492	5,041	3,900	2,896	40.8	51.7	69.2	24.7	16.52
Individual Space Heaters	137	232	228	91	3,259	5,191	5,013	2,757	41.9	44.8	45.5	32.9	16.37
District Heat	22	45	Q	19	835	1,016	411	418	26.2	44.0	110.3	45.7	32.41
Boilers	189	389	216	115	4,402	6,241	3,886	2,493	43.0	62.4	55.5	46.2	13.09
Packaged Heating Units	107	156	172	131	2,622	2,885	4,266	3,132	40.9	54.1	40.4	41.8	17.09
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Annual Consumption (hundred cubic feet)													
1,000 or Less	4	8	19	11	699	753	2,183	1,675	6.1	11.2	8.8	6.7	16.29
1,001 to 5,000	43	100	75	49	1,810	3,065	3,989	2,589	23.6	32.8	18.9	19.1	11.23
5,001 to 10,000	36	99	54	39	1,057	1,843	1,771	992	34.5	53.9	30.7	38.9	14.81
10,001 to 25,000	42	145	95	78	1,000	3,090	2,136	1,821	42.2	46.9	44.3	43.0	15.32
25,001 to 50,000	76	72	66	64	1,793	1,489	1,137	1,103	42.6	48.5	58.5	57.7	20.39
50,001 to 100,000	42	83	62	38	606	1,252	836	617	68.8	66.3	74.2	60.9	23.65
Over 100,000	101	218	305	86	1,594	2,283	1,309	501	63.1	95.5	233.2	172.2	29.14

See footnotes at end of table.

Table 3.32. Natural Gas Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	RSE Column Factor:	1.2	0.9	1.5	1.2	1.1	0.8	0.8	0.9	0.9	0.6	1.3	
Gas Transported for the Account of Others													
Used in Building	50	137	Q	Q	633	1,464	Q	436	78.9	93.4	Q	Q	26.35
Not Used in Building	294	590	568	318	7,926	12,311	12,612	8,863	37.1	47.9	45.1	35.8	10.43

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. • A/C = 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 1992 Commercial Buildings Energy Consumption Survey.

Table 3.43. Fuel Oil Consumption and Conditional Energy Intensity by Census Region, 1992

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	
	0.9	1.7	1.2	0.8	0.7	0.8	0.8	1.0	0.6	1.7	1.1	1.5	
All Buildings	1,388	187	343	Q	5,535	2,543	3,579	1,557	0.25	0.07	0.10	Q	20.24
Building Floorspace (square feet)													
1,001 to 10,000	400	73	130	Q	973	228	542	Q	0.41	0.32	0.24	Q	21.06
10,001 to 100,000	593	39	Q	Q	2,014	827	830	Q	0.29	Q	Q	Q	23.59
Over 100,000	394	Q	55	Q	2,547	1,488	2,207	1,333	0.15	Q	0.03	Q	29.25
Principal Building Activity													
Education	343	Q	Q	Q	1,078	Q	Q	Q	0.32	Q	Q	Q	21.10
Mercantile and Service	243	Q	Q	Q	956	Q	339	Q	0.25	Q	Q	Q	26.22
Office	270	Q	34	Q	1,269	519	1,211	604	0.21	Q	0.03	Q	32.75
Public Assembly	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Warehouse and Storage	116	Q	Q	Q	466	Q	Q	Q	0.25	Q	Q	Q	50.56
All Others	339	Q	79	Q	1,418	858	1,106	Q	0.24	Q	0.07	Q	28.31
Year Constructed													
1945 or Before	462	Q	66	Q	1,760	548	399	Q	0.26	Q	0.17	Q	32.44
1946 to 1959	332	Q	67	Q	816	Q	413	Q	0.41	Q	0.16	Q	26.47
1960 to 1969	260	Q	76	Q	885	386	901	Q	0.29	Q	0.08	Q	36.63
1970 to 1979	219	Q	Q	Q	909	615	823	Q	0.24	0.03	Q	Q	34.58
1980 to 1989	93	Q	23	Q	990	522	872	Q	0.09	Q	0.03	Q	39.74
1990 to 1992	Q	Q	Q	Q	176	202	171	194	Q	Q	Q	Q	48.20
Climate Zone: 45-Year Average													
Fewer than 2,000 CDD and --													
More than 7,000 HDD	Q	53	Q	Q	Q	816	Q	Q	0.38	0.06	Q	Q	30.01
5,500-7,000 HDD	613	58	Q	Q	2,642	1,420	Q	Q	0.23	0.04	Q	Q	24.95
4,000-5,499 HDD	501	Q	207	Q	2,164	Q	1,183	Q	0.23	Q	0.18	Q	26.97
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	1,364	832	Q	Q	0.05	Q	41.31
More than 2,000 CDD and --													
Fewer than 4,000 HDD	Q	Q	Q	Q	Q	Q	1,033	Q	Q	Q	0.06	Q	36.46
Energy Sources (more than one may apply)													
Electricity	1,388	184	343	Q	5,535	2,536	3,579	1,557	0.25	0.07	0.10	Q	21.23
Natural Gas	505	Q	Q	Q	2,880	2,060	2,127	1,358	0.18	Q	Q	Q	27.81
Fuel Oil	1,388	187	343	Q	5,535	2,543	3,579	1,557	0.25	0.07	0.10	Q	20.24
District Heat	Q	Q	Q	Q	605	Q	Q	Q	0.08	Q	Q	Q	68.06
District Chilled Water	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Propane	217	Q	Q	Q	817	Q	Q	Q	0.27	Q	Q	Q	33.31
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy End Uses (more than one may apply)													
Heated Buildings	1,388	187	340	Q	5,529	2,543	3,528	1,330	0.25	0.07	0.10	Q	20.18
Buildings with A/C	1,106	142	303	12	4,828	2,355	3,387	1,506	0.23	Q	0.09	0.01	20.83
Buildings with Water Heating	1,307	163	298	Q	5,239	2,444	3,370	1,547	0.25	0.07	0.09	Q	20.95
Buildings with Cooking	568	Q	102	5	2,891	1,453	2,127	981	0.20	Q	0.05	0.01	21.06
Buildings with Manufacturing	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Workers (main shift)													
Less than 10	396	81	162	Q	1,240	534	732	Q	0.32	Q	0.22	Q	22.08
10 to 99	611	26	Q	Q	1,905	664	626	Q	0.32	0.04	0.20	Q	25.40
100 or More	381	Q	56	Q	2,389	1,345	2,221	1,217	0.16	Q	0.03	Q	29.09
Weekly Operating Hours													
48 or Fewer	508	64	170	Q	1,685	699	1,067	Q	0.30	Q	0.16	Q	28.51
49 to 84	408	48	100	Q	1,865	854	1,329	742	0.22	0.06	0.08	Q	22.56
85 to 168	472	Q	74	Q	1,985	990	1,184	Q	0.24	Q	0.06	Q	33.79

See footnotes at end of table.

Table 3.43. Fuel Oil Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	0.9	1.7	1.2	0.8	0.7	0.8	0.8	1.0	0.6	1.7	1.1	1.5	
Ownership and Occupancy													
Nongovernment Owned	939	94	176	Q	4,070	1,712	2,365	1,273	0.23	0.05	0.07	Q	19.54
Owner Occupied	840	87	137	Q	3,352	1,415	1,883	978	0.25	0.06	0.07	Q	20.21
Single Establishment	622	62	129	21	2,292	822	1,311	525	0.27	0.07	0.10	0.04	24.24
Multiple Establishment	218	Q	Q	Q	1,061	593	572	453	0.21	Q	Q	Q	37.89
Nonowner Occupied	96	Q	38	Q	617	Q	473	Q	0.15	Q	0.08	Q	40.82
Single Establishment	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multiple Establishment	Q	Q	Q	Q	Q	Q	253	Q	Q	Q	Q	Q	43.22
Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Government Owned	448	Q	Q	Q	1,465	831	1,214	Q	0.31	Q	Q	Q	27.03
Predominant Exterior Wall Material													
Masonry	1,155	155	274	Q	4,286	1,797	2,447	1,089	0.27	0.09	0.11	Q	22.28
Siding or Shingles	118	Q	Q	Q	441	Q	Q	Q	0.27	Q	Q	Q	25.91
Metal Panels	Q	Q	Q	Q	325	Q	Q	Q	0.19	Q	Q	Q	71.39
Concrete Panels	Q	Q	Q	Q	Q	Q	278	Q	Q	Q	Q	Q	40.37
Window Glass	Q	Q	Q	Q	Q	Q	402	Q	Q	Q	Q	Q	54.27
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Predominant Roof Material													
Built-Up	527	44	169	Q	1,935	1,017	1,907	924	0.27	0.04	0.09	Q	29.24
Shingles (Not Wood)	269	Q	59	Q	1,032	Q	315	Q	0.26	Q	0.19	Q	24.77
Metal Surfacing	57	Q	53	Q	229	Q	255	Q	0.25	Q	0.21	Q	37.42
Synthetic or Rubber	388	Q	Q	Q	1,548	1,003	849	Q	0.25	Q	Q	Q	29.68
Other	145	Q	14	Q	791	Q	253	Q	0.18	Q	Q	Q	50.21
Space-Heating Energy Source													
Fuel Oil	1,369	168	310	Q	4,228	1,225	1,618	Q	0.32	0.14	0.19	Q	22.47
Fuel Oil Main	1,256	146	248	Q	3,202	426	728	Q	0.39	0.34	0.34	Q	23.89
Fuel Oil Secondary	113	Q	62	Q	1,026	799	890	Q	0.11	Q	0.07	Q	41.86
Other Excluding Fuel Oil	19	Q	Q	7	1,301	1,318	1,910	1,078	Q	0.01	Q	0.01	33.61
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Main Space-Heating Energy Source													
Electricity	Q	Q	20	Q	584	316	1,106	477	Q	Q	0.02	Q	39.13
Natural Gas	55	Q	64	Q	1,018	1,502	1,389	771	0.05	Q	0.05	Q	31.15
Fuel Oil	1,256	146	248	Q	3,202	426	728	Q	0.39	0.34	0.34	Q	23.89
District Heat	Q	Q	Q	Q	574	291	Q	Q	Q	Q	Q	Q	54.40
Propane	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Wood	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Replacement Energy Source for Main Heating													
Electricity Only	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Natural Gas Only	255	Q	Q	Q	531	Q	Q	Q	0.48	Q	Q	Q	37.62
Fuel Oil Only	40	7	Q	Q	758	897	841	Q	0.05	0.01	0.05	Q	34.69
Propane Only	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Any Other Single Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
More than One Energy Source	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Replacement Energy Source	973	92	222	Q	3,772	1,357	2,247	1,015	0.26	0.07	0.10	Q	22.57
Building Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Water-Heating Energy Source													
Fuel Oil	825	Q	Q	Q	2,157	Q	Q	Q	0.38	Q	Q	Q	20.04
Other Excluding Fuel Oil	482	98	203	28	3,082	2,329	3,201	1,518	0.16	0.04	0.06	0.02	21.46
Water Heating Not Performed	81	Q	45	Q	296	Q	209	Q	0.27	Q	0.21	Q	34.49

See footnotes at end of table.

Table 3.43. Fuel Oil Consumption and Conditional Energy Intensity by Census Region, 1992 (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	
	0.9	1.7	1.2	0.8	0.7	0.8	0.8	1.0	0.6	1.7	1.1	1.5	
Percent of Floorspace Heated													
Not Heated	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1 to 50	Q	Q	Q	Q	726	Q	Q	Q	0.17	Q	Q	Q	53.37
51 to 99	214	Q	43	Q	1,187	358	639	510	0.18	Q	0.07	Q	31.91
100	1,047	Q	252	Q	3,616	1,981	2,496	663	0.29	Q	0.10	Q	22.80
Heating Equipment (more than one may apply)													
Heat Pumps	94	Q	33	Q	610	Q	528	Q	0.15	Q	0.06	Q	43.81
Furnaces	242	Q	96	Q	926	594	631	Q	0.26	Q	0.15	Q	24.12
Individual Space Heaters	359	44	108	Q	1,711	915	1,563	505	0.21	Q	0.07	Q	26.65
District Heat	Q	Q	Q	Q	600	300	251	Q	0.08	Q	0.01	Q	52.90
Boilers	1,111	Q	220	Q	3,749	1,568	1,792	734	0.30	Q	0.12	Q	24.65
Packaged Heating Units	80	Q	Q	Q	711	456	534	Q	0.11	Q	Q	Q	42.20
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Energy Conservation Features (more than one may apply)													
Any Conservation Features	1,382	186	340	Q	5,520	2,507	3,538	1,553	0.25	0.07	0.10	Q	20.27
Building Shell	1,350	182	310	Q	5,459	2,502	3,494	1,545	0.25	0.07	0.09	Q	20.78
HVAC	1,287	136	276	Q	5,162	2,272	3,136	1,530	0.25	0.06	0.09	Q	22.08
Lighting	613	Q	102	23	3,345	1,645	2,361	1,258	0.18	Q	0.04	0.02	26.28
Other	289	Q	Q	Q	800	415	506	Q	0.36	Q	0.07	Q	40.23
Energy Management Practices (more than one may apply)													
Energy Management and Control System	248	Q	Q	Q	1,349	1,378	1,715	931	0.18	Q	Q	Q	31.23
Demand-Side Management ¹ Participation	366	Q	58	Q	1,577	835	1,277	447	0.23	Q	0.05	Q	32.70
Energy Audit	461	Q	60	7	1,932	641	1,240	717	0.24	Q	0.05	Q	26.86
Building Energy Manager	Q	Q	Q	Q	Q	Q	336	Q	Q	Q	Q	Q	47.27
Annual Consumption (gallons)													
1,000 or less	44	11	50	Q	1,369	1,699	1,945	1,216	0.03	0.01	0.03	Q	26.37
1,001 to 5,000	312	60	87	Q	1,201	549	877	Q	0.26	0.11	Q	Q	21.19
5,001 to 10,000	173	Q	Q	Q	936	Q	Q	Q	0.18	Q	Q	Q	33.80
10,001 to 25,000	247	Q	Q	Q	580	Q	Q	Q	0.43	Q	Q	Q	30.99
Over 25,000	612	Q	Q	Q	1,448	Q	Q	Q	0.42	Q	Q	Q	25.61

¹ These Demand-Side Management (DSM) data, which include utility-sponsored programs, in-house programs, and third-party sponsored programs, were reported by the building respondent on the Building Questionnaire (Form EIA-871A). The electric utility-sponsored DSM data reported by the electricity suppliers (Form EIA-871E-1b) are presented in the "At a Glance" section and Table 3.49 of this section. See Appendix B, "Nonsampling and Sampling Errors," for a discussion of the differences between the energy supplier-reported data and building respondent-reported data.

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. • A/C = Air Conditioning. • 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 1992 Commercial Buildings Energy Consumption Survey.