

**Table 1. Consumption of All Major Fuels by End Uses, 1992**

Building Characteristics	Sum of Major Fuel Consumption (trillion Btu)									
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Other
<b>All Buildings</b> .....	5,490	1,915	462	167	858	1,161	225	133	207	362
<b>Principal Building Activity</b>										
Assembly .....	419	165	28	9	52	130	13	4	2	16
Education .....	637	341	53	11	61	131	7	7	4	23
Food Sales .....	137	16	10	3	9	21	5	64	1	9
Food Service .....	307	43	53	9	37	28	116	17	1	5
Health Care .....	403	88	32	11	128	52	30	6	15	41
Lodging .....	463	148	60	10	120	64	13	5	3	41
Mercantile and Service .....	892	305	43	26	183	232	18	15	27	44
Office .....	1,247	409	140	75	136	233	17	4	137	96
Warehouse .....	527	209	22	3	64	160	3	12	12	42
Other .....	458	192	22	10	68	111	3	1	4	47
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	703	251	61	21	103	125	58	41	20	24
5,001 to 10,000 .....	555	200	59	14	98	96	37	14	17	20
10,001 to 25,000 .....	865	373	64	17	160	139	26	22	28	35
25,001 to 50,000 .....	794	270	67	21	136	145	23	17	24	92
50,001 to 100,000 .....	642	254	53	21	81	142	12	14	22	45
100,001 to 200,000 .....	640	211	56	25	86	168	12	10	29	44
200,001 to 500,000 .....	711	204	54	27	119	191	29	7	34	46
Over 500,000 .....	581	153	49	23	76	155	27	8	32	57
<b>Year Constructed</b>										
1945 or Before .....	998	493	84	18	156	125	44	16	22	39
1946 to 1959 .....	800	297	55	20	125	160	29	15	24	74
1960 to 1969 .....	1,125	372	77	35	203	273	41	25	40	59
1970 to 1979 .....	1,261	409	115	39	175	290	58	32	44	99
1980 to 1989 .....	1,133	293	115	46	179	268	48	42	63	79
1990 to 1992 .....	173	51	17	9	20	45	5	3	12	12
<b>Census Region</b>										
Northeast .....	1,090	465	60	17	183	197	52	22	37	58
Midwest .....	1,578	662	91	38	247	300	69	35	50	86
South .....	1,825	524	207	67	275	419	62	42	75	154
West .....	998	263	104	45	154	246	42	34	45	64

Notes: • Major fuels include electricity, natural gas, fuel oil, and district heat. • 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 2. Energy End-Use Intensities for All Major Fuels, 1992**

Building Characteristics	Energy Intensities for Major Fuels (thousand Btu per square foot)									
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Other
<b>All Buildings</b> .....	80.9	28	6.8	2.5	12.6	17	3.3	2.0	3.0	5.3
<b>Principal Building Activity</b>										
Assembly .....	50.4	19.8	3.4	1.1	6.3	15.6	1.6	0.5	0.3	1.9
Education .....	75.2	40.2	6.2	1.3	7.2	15.5	0.9	0.8	0.5	2.7
Food Sales .....	181.5	21.3	12.8	4.5	11.9	27.9	6.6	84.1	0.9	11.5
Food Service .....	206.1	28.7	35.3	6.2	24.8	18.5	77.8	11.3	0.3	3.1
Health Care .....	228.5	50.1	18.3	6.5	72.4	29.7	16.8	3.3	8.5	23.0
Lodging .....	160.1	51.2	20.8	3.4	41.6	22.0	4.4	1.6	1.1	14.1
Mercantile and Service .....	71.9	24.6	3.4	2.1	14.8	18.7	1.5	1.2	2.2	3.5
Office .....	101.2	33.2	11.4	6.1	11.0	18.9	1.4	0.3	11.1	7.8
Warehouse .....	45.9	18.2	1.9	0.2	5.6	13.9	0.2	1.1	1.1	3.7
Other .....	57.3	24.0	2.8	1.2	8.5	13.9	0.4	0.1	0.5	5.9
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	95.9	34.3	8.3	2.8	14.0	17.1	8.0	5.6	2.7	3.2
5,001 to 10,000 .....	77.1	27.7	8.2	2.0	13.6	13.4	5.1	2.0	2.4	2.7
10,001 to 25,000 .....	83.4	36.0	6.2	1.6	15.4	13.4	2.5	2.2	2.7	3.4
25,001 to 50,000 .....	78.8	26.8	6.7	2.1	13.5	14.4	2.3	1.7	2.4	9.1
50,001 to 100,000 .....	79.7	31.5	6.5	2.5	10.0	17.6	1.5	1.7	2.8	5.5
100,001 to 200,000 .....	66.2	21.8	5.7	2.5	8.9	17.3	1.3	1.0	3.0	4.5
200,001 to 500,000 .....	90.1	25.8	6.8	3.4	15.1	24.3	3.6	0.9	4.3	5.8
Over 500,000 .....	79.8	21.0	6.8	3.2	10.4	21.3	3.8	1.1	4.4	7.9
<b>Year Constructed</b>										
1945 or Before .....	71.1	35.1	6.0	1.3	11.1	8.9	3.1	1.2	1.6	2.8
1946 to 1959 .....	76.8	28.5	5.3	2.0	12.0	15.4	2.8	1.5	2.3	7.1
1960 to 1969 .....	89.2	29.5	6.1	2.8	16.1	21.6	3.2	2.0	3.2	4.7
1970 to 1979 .....	90.0	29.2	8.2	2.8	12.5	20.7	4.2	2.3	3.1	7.1
1980 to 1989 .....	79.3	20.5	8.1	3.2	12.6	18.8	3.3	3.0	4.4	5.5
1990 to 1992 .....	69.3	20.3	6.8	3.6	7.9	17.9	2.1	1.1	4.9	4.7
<b>Census Region</b>										
Northeast .....	81.3	34.7	4.5	1.3	13.6	14.7	3.8	1.7	2.7	4.3
Midwest .....	91.3	38.3	5.3	2.2	14.3	17.4	4.0	2.0	2.9	5.0
South .....	74.3	21.3	8.4	2.7	11.2	17.1	2.5	1.7	3.0	6.2
West .....	79.1	20.9	8.2	3.5	12.2	19.5	3.4	2.7	3.6	5.1

Notes: • Major fuels include electricity, natural gas, fuel oil, and district heat. • 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. Consumption of Electricity by End Uses, 1992**

Building Characteristics	Electricity Consumption (trillion Btu)									
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Other
<b>All Buildings</b> .....	2,609	112	437	167	171	1,161	37	133	207	183
<b>Principal Building Activity</b>										
Assembly .....	205	9	26	9	9	130	3	4	2	11
Education .....	235	13	39	11	12	131	1	7	4	15
Food Sales .....	113	2	10	3	6	21	1	64	1	5
Food Service .....	138	4	52	9	4	28	20	17	1	5
Health Care .....	138	3	29	11	2	52	2	6	15	18
Lodging .....	189	17	60	10	10	64	5	5	3	16
Mercantile and Service .....	444	19	42	26	52	232	4	15	27	28
Office .....	704	29	136	75	39	233	1	4	137	48
Warehouse .....	253	10	22	3	18	160	*	12	12	16
Other .....	191	6	22	10	17	111	*	1	4	21
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	334	18	59	21	26	125	12	41	20	13
5,001 to 10,000 .....	251	12	58	14	20	96	7	14	17	12
10,001 to 25,000 .....	335	17	64	17	28	139	3	22	28	16
25,001 to 50,000 .....	347	18	67	21	26	145	3	17	24	27
50,001 to 100,000 .....	308	17	44	21	19	142	3	14	22	27
100,001 to 200,000 .....	347	13	53	25	17	168	2	10	29	30
200,001 to 500,000 .....	361	8	46	27	16	191	3	7	34	29
Over 500,000 .....	325	9	45	23	19	155	5	8	32	29
<b>Year Constructed</b>										
1945 or Before .....	322	16	79	18	21	125	3	16	22	22
1946 to 1959 .....	332	11	51	20	18	160	4	15	24	26
1960 to 1969 .....	528	16	73	35	24	273	6	25	40	35
1970 to 1979 .....	629	29	102	39	41	290	12	32	44	40
1980 to 1989 .....	689	34	115	46	60	268	11	42	63	50
1990 to 1992 .....	109	6	17	9	7	45	1	3	12	10
<b>Census Region</b>										
Northeast .....	419	25	58	17	25	197	7	22	37	31
Midwest .....	622	32	78	38	34	300	8	35	50	45
South .....	1,002	37	204	67	77	419	14	42	75	67
West .....	566	18	98	45	35	246	7	34	45	39

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

Note: • 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 4. Energy End-Use Intensities for Electricity, 1992**

Building Characteristics	Energy Intensities for Electricity (thousand Btu per square foot)									
	Total	Space Heating	Cooling	Ventilation	Water Heating	Lighting	Cooking	Refrigeration	Office Equipment	Other
<b>All Buildings</b> .....	39.2	1.7	6.6	2.5	2.6	17.5	0.6	2.0	3.1	2.7
<b>Principal Building Activity</b>										
Assembly .....	24.6	1.1	3.2	1.1	1.1	15.6	0.3	0.5	0.3	1.3
Education .....	27.7	1.6	4.7	1.3	1.5	15.5	0.2	0.8	0.5	1.7
Food Sales .....	148.7	2.5	12.8	4.5	8.3	27.9	1.1	84.1	0.9	6.5
Food Service .....	92.3	2.4	34.5	6.2	2.6	18.5	13.3	11.3	0.3	3.1
Health Care .....	78.1	1.4	16.3	6.5	1.0	29.7	1.4	3.3	8.5	10.1
Lodging .....	65.4	5.9	20.8	3.4	3.6	22.0	1.7	1.6	1.0	5.4
Mercantile and Service .....	35.9	1.5	3.4	2.1	4.2	18.7	0.3	1.2	2.2	2.2
Office .....	57.1	2.4	11.0	6.1	3.2	18.9	0.1	0.3	11.1	3.9
Warehouse .....	22.7	0.9	1.9	0.2	1.6	14.3	*	1.1	1.1	1.5
Other .....	27.4	0.8	3.2	1.4	2.5	16.0	*	0.1	0.5	3.0
<b>Building Floorspace (Square Feet)</b>										
1,001 to 5,000 .....	47.9	2.5	8.5	2.9	3.7	17.9	1.7	5.9	2.8	1.9
5,001 to 10,000 .....	35.6	1.7	8.2	2.0	2.9	13.6	1.0	2.0	2.4	1.7
10,001 to 25,000 .....	33.2	1.7	6.3	1.7	2.8	13.8	0.3	2.2	2.8	1.5
25,001 to 50,000 .....	35.2	1.9	6.8	2.1	2.6	14.7	0.3	1.7	2.5	2.7
50,001 to 100,000 .....	38.9	2.2	5.6	2.6	2.3	17.9	0.3	1.7	2.8	3.5
100,001 to 200,000 .....	35.9	1.3	5.5	2.6	1.8	17.4	0.2	1.0	3.0	3.1
200,001 to 500,000 .....	47.0	1.0	6.1	3.5	2.1	24.9	0.4	0.9	4.4	3.8
Over 500,000 .....	44.7	1.3	6.2	3.2	2.6	21.3	0.7	1.1	4.4	4.0
<b>Year Constructed</b>										
1945 or Before .....	23.9	1.2	5.9	1.3	1.6	9.2	0.2	1.2	1.7	1.6
1946 to 1959 .....	32.7	1.1	5.0	2.0	1.8	15.8	0.4	1.5	2.4	2.6
1960 to 1969 .....	42.3	1.3	5.8	2.8	2.0	21.9	0.5	2.0	3.2	2.8
1970 to 1979 .....	45.6	2.1	7.4	2.8	3.0	21.1	0.9	2.3	3.2	2.9
1980 to 1989 .....	48.7	2.4	8.1	3.2	4.2	19.0	0.7	3.0	4.5	3.6
1990 to 1992 .....	44.0	2.4	6.8	3.6	2.8	18.0	0.4	1.1	5.0	3.9
<b>Census Region</b>										
Northeast .....	31.6	1.9	4.4	1.3	1.9	14.8	0.6	1.7	2.8	2.4
Midwest .....	36.8	1.9	4.6	2.3	2.0	17.8	0.5	2.0	3.0	2.7
South .....	41.8	1.6	8.5	2.8	3.2	17.5	0.6	1.8	3.1	2.8
West .....	45.6	1.5	7.9	3.6	2.8	19.8	0.6	2.7	3.6	3.2

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

Note: • 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 5. Consumption of Natural Gas by End Uses, 1992**

Building Characteristics	Natural Gas Consumption (trillion Btu)				
	Total	Space Heating	Water Heating	Cooking	Other
<b>All Buildings</b> .....	2,174	1,321	492	176	186
<b>Principal Building Activity</b>					
Assembly .....	164	118	31	10	5
Education .....	291	229	36	6	20
Food Sales .....	24	13	3	4	4
Food Service .....	157	32	30	94	1
Health Care .....	189	65	79	21	25
Lodging .....	193	66	96	8	23
Mercantile and Service .....	381	239	114	15	13
Office .....	388	278	49	14	47
Warehouse .....	196	155	16	3	22
Other .....	192	126	38	3	26
<b>Building Floorspace (Square Feet)</b>					
1,001 to 5,000 .....	321	195	69	46	9
5,001 to 10,000 .....	251	148	65	30	9
10,001 to 25,000 .....	438	291	107	23	18
25,001 to 50,000 .....	324	182	63	17	62
50,001 to 100,000 .....	255	172	50	9	24
100,001 to 200,000 .....	206	139	44	7	15
200,001 to 500,000 .....	215	105	65	24	22
Over 500,000 .....	165	90	29	20	26
<b>Year Constructed</b>					
1945 or Before .....	473	328	89	37	18
1946 to 1959 .....	355	201	82	21	50
1960 to 1969 .....	426	249	122	32	23
1970 to 1979 .....	528	313	103	46	66
1980 to 1989 .....	345	198	85	36	26
1990 to 1992 .....	48	32	10	4	2
<b>Census Region</b>					
Northeast .....	354	217	73	40	24
Midwest .....	747	500	142	54	50
South .....	697	400	168	47	81
West .....	376	203	108	34	30

Note: • 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 6. Energy End-Use Intensities for Natural Gas, 1992**

Building Characteristics	Energy Intensities for Natural Gas (thousand Btu per square foot)				
	Total	Space Heating	Water Heating	Cooking	Other
<b>All Buildings</b> .....	48.3	29.4	10.9	3.9	4.1
<b>Principal Building Activity</b>					
Assembly .....	30.3	21.6	5.7	1.9	1.0
Education .....	42.5	33.4	5.3	0.9	2.9
Food Sales .....	47.2	26.4	5.3	8.2	7.3
Food Service .....	136.7	27.7	26.3	81.7	1.0
Health Care .....	122.6	41.9	51.0	13.4	16.3
Lodging .....	86.2	29.6	43.1	3.4	10.2
Mercantile and Service .....	40.7	25.6	12.2	1.6	1.4
Office .....	49.4	35.4	6.2	1.8	6.0
Warehouse .....	30.9	24.5	2.6	0.4	3.4
Other .....	51.4	33.8	10.1	0.7	6.8
<b>Building Floorspace (Square Feet)</b>					
1,001 to 5,000 .....	85.5	52.1	18.5	12.4	2.5
5,001 to 10,000 .....	58.9	34.6	15.2	7.0	2.1
10,001 to 25,000 .....	64.1	42.5	15.6	3.3	2.6
25,001 to 50,000 .....	49.6	27.9	9.7	2.6	9.5
50,001 to 100,000 .....	44.4	30.1	8.6	1.6	4.1
100,001 to 200,000 .....	28.9	19.5	6.2	1.0	2.1
200,001 to 500,000 .....	38.4	18.7	11.5	4.2	3.9
Over 500,000 .....	32.0	17.4	5.7	3.8	5.1
<b>Year Constructed</b>					
1945 or Before .....	48.5	33.7	9.1	3.8	1.9
1946 to 1959 .....	48.6	27.6	11.3	2.9	6.8
1960 to 1969 .....	48.0	28.0	13.7	3.6	2.6
1970 to 1979 .....	57.3	33.9	11.2	5.0	7.2
1980 to 1989 .....	42.0	24.1	10.4	4.4	3.2
1990 to 1992 .....	29.5	19.8	6.2	2.5	1.0
<b>Census Region</b>					
Northeast .....	41.4	25.4	8.5	4.7	2.8
Midwest .....	54.3	36.3	10.3	4.0	3.7
South .....	52.2	30.0	12.6	3.5	6.1
West .....	40.4	21.9	11.6	3.7	3.2

Note: ● 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.