

Table R15A.81p. Total Primary Consumption and Number of Buildings by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)		Consump- tion (trillion Btu)
RSE Column Factors:		0.9	1.0	1.0	NF	0.9	NF	1.4	NF	0.9	NF	
All Buildings		66,196	14,283	63,402	5,887	65,712	2,334	37,250	1,070	66,196	4,991	1.5
Census Region												
Northeast		12,178	3,179	11,810	1,600	12,091	530	5,697	74	12,178	973	3.6
Midwest		17,462	4,245	17,022	2,213	17,334	548	10,212	181	17,462	1,303	3.4
South		23,534	4,485	22,146	1,272	23,345	783	17,399	719	23,534	1,710	2.3
West		13,022	2,374	12,423	801	12,943	473	3,943	96	13,022	1,005	3.5
Census Division												
New England		2,932	716	2,827	359	2,901	124	1,153	7	2,932	225	6.0
Middle Atlantic		9,246	2,463	8,983	1,241	9,190	406	4,544	67	9,246	748	4.4
East North Central		12,039	2,975	11,771	1,609	11,959	387	6,164	89	12,039	890	6.2
West North Central		5,423	1,270	5,252	605	5,374	161	4,047	92	5,423	413	9.1
South Atlantic		11,325	2,095	10,294	633	11,204	389	7,459	277	11,325	796	4.1
East South Central		5,085	1,047	4,744	314	5,050	180	4,185	162	5,085	391	6.1
West South Central		7,124	1,343	7,108	325	7,091	214	5,754	280	7,124	523	3.9
Mountain		3,411	631	3,319	263	3,392	106	981	32	3,411	230	6.5
Pacific		9,610	1,743	9,104	538	9,551	367	2,962	64	9,610	775	5.0
Type of Home												
Mobile Home		4,198	598	4,017	213	4,159	116	2,509	49	4,198	220	9.8
Single-Family												
Detached		54,561	10,662	52,060	4,272	54,151	1,698	30,770	825	54,561	3,867	1.9
Single-Family												
Attached		3,005	479	2,975	196	3,005	81	1,753	37	3,005	165	12.8
2 to 4 Units		3,480	1,278	3,429	640	3,474	207	1,647	56	3,480	375	6.1
5 or More Units		953	1,266	921	566	923	233	570	103	953	364	7.9
Building Floorspace (square feet)												
Fewer than 1,001		10,257	1,323	9,382	457	10,031	260	4,981	86	10,257	520	6.4
1,001 to 2,000		25,913	4,603	24,952	1,681	25,756	796	14,806	419	25,913	1,708	3.1
2,001 to 5,000		27,861	6,694	26,960	2,977	27,789	1,006	16,189	439	27,861	2,271	3.3
5,001 to 10,000		1,816	880	1,772	436	1,794	126	1,021	51	1,816	267	9.4
10,001 to 25,000		296	419	284	182	289	74	216	40	296	123	13.6
25,001 to 50,000		34	152	34	59	34	30	22	17	34	47	29.1
50,001 to 100,000		14	107	14	46	14	22	11	Q	14	29	26.8
100,001 to 200,000		3	61	3	28	3	13	3	4	3	16	25.3
Over 200,000		1	43	1	21	1	Q	1	Q	1	11	45.9
Year Constructed												
1939 or Before		19,005	4,205	17,781	2,111	18,717	622	7,956	125	19,005	1,346	4.7
1940 to 1949		6,048	1,165	5,664	485	5,991	189	3,407	76	6,048	415	7.3
1950 to 1959		11,671	2,322	11,343	935	11,603	373	6,726	174	11,671	840	5.1
1960 to 1969		12,525	2,832	12,143	1,063	12,477	478	8,018	275	12,525	1,014	5.3
1970 to 1979		15,442	3,469	15,002	1,194	15,418	615	10,304	391	15,442	1,269	5.2
1980 to 1981		1,505	291	1,469	99	1,505	56	838	28	1,505	107	13.2

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R15A.81s. Total Site Consumption and Number of Buildings by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)		Consump- tion (trillion Btu)
		RSE Column Factors:	0.9	1.0	1.0	NF	0.9	NF	1.4	NF		0.9
All Buildings		66,196	9,288	63,402	5,265	65,712	1,710	37,250	364	66,196	1,950	1.5
Census Region												
Northeast		12,178	2,359	11,810	1,493	12,091	446	5,697	26	12,178	395	3.6
Midwest		17,462	3,095	17,022	2,083	17,334	432	10,212	63	17,462	516	3.4
South		23,534	2,410	22,146	1,042	23,345	476	17,399	241	23,534	650	2.3
West		13,022	1,424	12,423	646	12,943	356	3,943	33	13,022	389	3.5
Census Division												
New England		2,932	528	2,827	335	2,901	104	1,153	2	2,932	87	6.0
Middle Atlantic		9,246	1,831	8,983	1,158	9,190	342	4,544	23	9,246	308	4.4
East North Central		12,039	2,227	11,771	1,530	11,959	307	6,164	32	12,039	358	6.2
West North Central		5,423	867	5,252	553	5,374	125	4,047	31	5,423	158	9.1
South Atlantic		11,325	1,112	10,294	525	11,204	203	7,459	91	11,325	293	4.1
East South Central		5,085	524	4,744	232	5,050	94	4,185	55	5,085	143	6.1
West South Central		7,124	773	7,108	285	7,091	180	5,754	95	7,124	214	3.9
Mountain		3,411	406	3,319	228	3,392	82	981	10	3,411	86	6.5
Pacific		9,610	1,019	9,104	418	9,551	274	2,962	23	9,610	303	5.0
Type of Home												
Mobile Home		4,198	339	4,017	175	4,159	60	2,509	16	4,198	88	9.8
Single-Family												
Detached		54,561	6,906	52,060	3,882	54,151	1,242	30,770	283	54,561	1,499	1.9
Single-Family												
Attached		3,005	322	2,975	176	3,005	66	1,753	12	3,005	68	12.8
2 to 4 Units		3,480	924	3,429	582	3,474	168	1,647	19	3,480	154	6.1
5 or More Units		953	798	921	451	923	173	570	34	953	140	7.9
Building Floorspace (square feet)												
Fewer than 1,001		10,257	816	9,382	408	10,031	167	4,981	28	10,257	212	6.4
1,001 to 2,000		25,913	2,864	24,952	1,486	25,756	570	14,806	142	25,913	667	3.1
2,001 to 5,000		27,861	4,510	26,960	2,713	27,789	765	16,189	152	27,861	880	3.3
5,001 to 10,000		1,816	614	1,772	392	1,794	100	1,021	17	1,816	105	9.4
10,001 to 25,000		296	254	284	142	289	52	216	13	296	46	13.6
25,001 to 50,000		34	88	34	44	34	20	22	6	34	18	29.1
50,001 to 100,000		14	71	14	40	14	17	11	Q	14	11	26.8
100,001 to 200,000		3	41	3	23	3	11	3	1	3	6	25.3
Over 200,000		1	30	1	Q	1	Q	1	Q	1	5	45.9
Year Constructed												
1939 or Before		19,005	3,126	17,781	2,027	18,717	504	7,956	44	19,005	551	4.7
1940 to 1949		6,048	784	5,664	453	5,991	139	3,407	26	6,048	167	7.3
1950 to 1959		11,671	1,578	11,343	878	11,603	302	6,726	62	11,671	336	5.1
1960 to 1969		12,525	1,808	12,143	954	12,477	366	8,018	93	12,525	395	5.3
1970 to 1979		15,442	1,862	15,002	895	15,418	372	10,304	129	15,442	465	5.2
1980 to 1981		1,505	130	1,469	58	1,505	27	838	9	1,505	37	13.2

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R15B.81p. Total Primary Consumption and Floorspace by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)		Consump- tion (trillion Btu)
RSE Column Factors:		0.9	0.9	1.0	NF	0.9	NF	1.5	NF	0.9	NF	
All Buildings		144,191	14,283	139,158	5,887	143,392	2,334	84,141	1,070	144,191	4,991	1.7
Census Region												
Northeast		35,083	3,179	34,202	1,600	34,920	530	17,161	74	35,083	973	3.5
Midwest		41,473	4,245	40,616	2,213	41,158	548	25,091	181	41,473	1,303	3.7
South		42,582	4,485	40,223	1,272	42,350	783	33,722	719	42,582	1,710	3.0
West		25,053	2,374	24,117	801	24,964	473	8,168	96	25,053	1,005	2.7
Census Division												
New England		8,343	716	8,059	359	8,305	124	3,426	7	8,343	225	6.5
Middle Atlantic		26,741	2,463	26,143	1,241	26,615	406	13,734	67	26,741	748	4.4
East North Central		28,134	2,975	27,707	1,609	28,016	387	14,963	89	28,134	890	5.6
West North Central		13,339	1,270	12,909	605	13,143	161	10,128	92	13,339	413	9.1
South Atlantic		21,932	2,095	20,161	633	21,760	389	16,210	277	21,932	796	4.9
East South Central		9,261	1,047	8,705	314	9,228	180	7,921	162	9,261	391	7.5
West South Central		11,389	1,343	11,357	325	11,362	214	9,590	280	11,389	523	5.8
Mountain		6,126	631	5,991	263	6,094	106	1,993	32	6,126	230	7.5
Pacific		18,927	1,743	18,126	538	18,870	367	6,175	64	18,927	775	3.8
Type of Home												
Mobile Home		3,695	598	3,514	213	3,674	116	2,216	49	3,695	220	10.5
Single-Family												
Detached		114,202	10,662	109,895	4,272	113,687	1,698	66,447	825	114,202	3,867	2.6
Single-Family												
Attached		5,848	479	5,796	196	5,848	81	3,542	37	5,848	165	14.3
2 to 4 Units		10,507	1,278	10,313	640	10,496	207	5,383	56	10,507	375	7.2
5 or More Units		9,939	1,266	9,640	566	9,686	233	6,552	103	9,939	364	8.2
Building Floorspace (square feet)												
Fewer than 1,001		7,893	1,323	7,257	457	7,738	260	3,876	86	7,893	520	6.3
1,001 to 2,000		38,104	4,603	36,749	1,681	37,901	796	21,865	419	38,104	1,708	3.0
2,001 to 5,000		79,655	6,694	77,095	2,977	79,467	1,006	46,774	439	79,655	2,271	3.4
5,001 to 10,000		11,645	880	11,332	436	11,477	126	6,609	51	11,645	267	9.6
10,001 to 25,000		3,946	419	3,790	182	3,861	74	2,847	40	3,946	123	13.1
25,001 to 50,000		1,182	152	1,182	59	1,182	30	782	17	1,182	47	28.4
50,001 to 100,000		986	107	981	46	986	22	760	Q	986	29	28.4
100,001 to 200,000		434	61	426	28	434	13	389	4	434	16	25.3
Over 200,000		346	43	346	21	346	Q	239	Q	346	11	52.3
Year Constructed												
1939 or Before		44,348	4,205	42,151	2,111	43,904	622	19,929	125	44,348	1,346	5.3
1940 to 1949		11,133	1,165	10,415	485	11,094	189	6,470	76	11,133	415	7.9
1950 to 1959		23,300	2,322	22,644	935	23,088	373	13,324	174	23,300	840	5.4
1960 to 1969		26,662	2,832	26,030	1,063	26,578	478	17,952	275	26,662	1,014	5.8
1970 to 1979		35,688	3,469	34,931	1,194	35,668	615	24,785	391	35,688	1,269	5.1
1980 to 1981		3,060	291	2,988	99	3,060	56	1,681	28	3,060	107	13.7

NF = No applicable RSE row/column factor, estimates derived from regression model.
Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.
Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.
• See "Glossary" for definition of terms used in this report.
Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R15B.81s. Total Site Consumption and Floorspace by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)		Consump- tion (trillion Btu)
RSE Column Factors:		0.9	0.9	1.0	NF	0.9	NF	1.5	NF	0.9	NF	
All Buildings		144,191	9,288	139,158	5,265	143,392	1,710	84,141	364	144,191	1,950	1.7
Census Region												
Northeast		35,083	2,359	34,202	1,493	34,920	446	17,161	26	35,083	395	3.5
Midwest		41,473	3,095	40,616	2,083	41,158	432	25,091	63	41,473	516	3.7
South		42,582	2,410	40,223	1,042	42,350	476	33,722	241	42,582	650	3.0
West		25,053	1,424	24,117	646	24,964	356	8,168	33	25,053	389	2.7
Census Division												
New England		8,343	528	8,059	335	8,305	104	3,426	2	8,343	87	6.5
Middle Atlantic		26,741	1,831	26,143	1,158	26,615	342	13,734	23	26,741	308	4.4
East North Central		28,134	2,227	27,707	1,530	28,016	307	14,963	32	28,134	358	5.6
West North Central		13,339	867	12,909	553	13,143	125	10,128	31	13,339	158	9.1
South Atlantic		21,932	1,112	20,161	525	21,760	203	16,210	91	21,932	293	4.9
East South Central		9,261	524	8,705	232	9,228	94	7,921	55	9,261	143	7.5
West South Central		11,389	773	11,357	285	11,362	180	9,590	95	11,389	214	5.8
Mountain		6,126	406	5,991	228	6,094	82	1,993	10	6,126	86	7.5
Pacific		18,927	1,019	18,126	418	18,870	274	6,175	23	18,927	303	3.8
Type of Home												
Mobile Home		3,695	339	3,514	175	3,674	60	2,216	16	3,695	88	10.5
Single-Family												
Detached		114,202	6,906	109,895	3,882	113,687	1,242	66,447	283	114,202	1,499	2.6
Single-Family												
Attached		5,848	322	5,796	176	5,848	66	3,542	12	5,848	68	14.3
2 to 4 Units		10,507	924	10,313	582	10,496	168	5,383	19	10,507	154	7.2
5 or More Units		9,939	798	9,640	451	9,686	173	6,552	34	9,939	140	8.2
Building Floorspace (square feet)												
Fewer than 1,001		7,893	816	7,257	408	7,738	167	3,876	28	7,893	212	6.3
1,001 to 2,000		38,104	2,864	36,749	1,486	37,901	570	21,865	142	38,104	667	3.0
2,001 to 5,000		79,655	4,510	77,095	2,713	79,467	765	46,774	152	79,655	880	3.4
5,001 to 10,000		11,645	614	11,332	392	11,477	100	6,609	17	11,645	105	9.6
10,001 to 25,000		3,946	254	3,790	142	3,861	52	2,847	13	3,946	46	13.1
25,001 to 50,000		1,182	88	1,182	44	1,182	20	782	6	1,182	18	28.4
50,001 to 100,000		986	71	981	40	986	17	760	Q	986	11	28.4
100,001 to 200,000		434	41	426	23	434	11	389	1	434	6	25.3
Over 200,000		346	30	346	Q	346	Q	239	Q	346	5	52.3
Year Constructed												
1939 or Before		44,348	3,126	42,151	2,027	43,904	504	19,929	44	44,348	551	5.3
1940 to 1949		11,133	784	10,415	453	11,094	139	6,470	26	11,133	167	7.9
1950 to 1959		23,300	1,578	22,644	878	23,088	302	13,324	62	23,300	336	5.4
1960 to 1969		26,662	1,808	26,030	954	26,578	366	17,952	93	26,662	395	5.8
1970 to 1979		35,688	1,862	34,931	895	35,668	372	24,785	129	35,688	465	5.1
1980 to 1981		3,060	130	2,988	58	3,060	27	1,681	9	3,060	37	13.7

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R16A.81p. Primary Electricity Consumption and Number of Buildings by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)		Consump- tion (trillion Btu)
		0.6	0.8	1.3	1.5	1.4	1.4	1.0	1.4	0.6		0.6
RSE Column Factors:		0.6	0.8	1.3	1.5	1.4	1.4	1.0	1.4	0.6	0.6	
All Buildings		66,174	7,414	17,053	922	22,534	928	37,250	1,049	66,174	4,515	2.8
Census Region												
Northeast		12,178	1,216	2,319	159	2,878	126	5,697	72	12,178	859	7.1
Midwest		17,462	1,708	2,264	193	4,343	173	10,212	175	17,462	1,168	6.8
South		23,534	3,080	8,182	341	11,708	455	17,399	709	23,534	1,574	3.9
West		13,000	1,410	4,287	229	3,605	174	3,943	93	13,000	914	6.6
Census Division												
New England		2,932	278	764	36	730	30	1,153	7	2,932	205	9.2
Middle Atlantic		9,246	938	1,555	123	2,148	96	4,544	65	9,246	654	8.5
East North Central		12,039	1,110	1,389	116	3,079	119	6,164	84	12,039	790	11.5
West North Central		5,423	598	875	76	1,264	54	4,047	90	5,423	378	12.4
South Atlantic		11,325	1,458	4,453	160	7,212	276	7,459	275	11,325	748	5.8
East South Central		5,085	776	2,273	121	3,168	128	4,185	159	5,085	368	7.7
West South Central		7,124	845	1,455	60	1,328	51	5,754	275	7,124	459	8.5
Mountain		3,390	334	894	52	823	Q	981	32	3,390	214	14.0
Pacific		9,610	1,076	3,393	177	2,782	138	2,962	61	9,610	700	7.6
Type of Home												
Mobile Home		4,187	385	1,269	56	2,532	83	2,509	49	4,187	196	11.9
Single-Family												
Detached		54,555	5,576	13,625	580	18,117	676	30,770	806	54,555	3,514	3.5
Single-Family												
Attached		3,000	233	891	30	801	22	1,753	37	3,000	144	20.7
2 to 4 Units		3,480	526	936	85	800	58	1,647	55	3,480	328	8.4
5 or More Units		953	695	332	171	285	89	570	102	953	333	10.2
Building Floorspace (square feet)												
Fewer than 1,001		10,236	753	2,537	72	4,542	138	4,981	86	10,236	457	8.1
1,001 to 2,000		25,913	2,581	7,227	289	9,117	334	14,806	411	25,913	1,546	4.5
2,001 to 5,000		27,861	3,242	6,690	393	8,301	358	16,189	426	27,861	2,065	5.0
5,001 to 10,000		1,816	395	455	66	453	39	1,021	50	1,816	240	12.1
10,001 to 25,000		296	246	118	60	98	33	216	39	296	114	18.7
25,001 to 50,000		34	95	18	22	15	14	22	17	34	42	32.5
50,001 to 100,000		14	53	Q	9	Q	6	11	Q	14	27	36.2
100,001 to 200,000		3	29	Q	Q	Q	Q	3	4	3	14	39.4
Over 200,000		1	19	Q	Q	Q	Q	1	Q	1	10	62.5
Year Constructed												
1939 or Before		18,995	1,601	2,966	124	4,821	175	7,956	121	18,995	1,180	7.2
1940 to 1949		6,048	566	1,469	48	2,087	75	3,407	74	6,048	369	9.7
1950 to 1959		11,671	1,104	2,388	84	2,919	106	6,726	166	11,671	748	6.5
1960 to 1969		12,514	1,520	3,058	162	3,872	167	8,018	270	12,514	920	7.0
1970 to 1979		15,442	2,385	6,190	444	7,808	360	10,304	389	15,442	1,193	6.1
1980 to 1981		1,505	238	982	61	1,028	44	838	28	1,505	105	14.6

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R16A.81s. Site Electricity Consumption and Number of Buildings by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)	Consump- tion (trillion Btu)	Buildings (thou- sand)		Consump- tion (trillion Btu)
		RSE Column Factors:		0.7	0.9	1.5	NF	1.6	NF	1.1		NF
All Buildings		66,174	2,420	17,053	301	22,534	303	37,250	342	66,174	1,474	2.4
Census Region												
Northeast		12,178	397	2,319	52	2,878	41	5,697	24	12,178	280	5.9
Midwest		17,462	558	2,264	63	4,343	56	10,212	57	17,462	381	5.9
South		23,534	1,005	8,182	111	11,708	148	17,399	231	23,534	514	3.3
West		13,000	460	4,287	75	3,605	57	3,943	30	13,000	298	5.4
Census Division												
New England		2,932	91	764	12	730	10	1,153	2	2,932	67	8.5
Middle Atlantic		9,246	306	1,555	40	2,148	31	4,544	21	9,246	213	7.2
East North Central		12,039	362	1,389	38	3,079	39	6,164	28	12,039	258	10.2
West North Central		5,423	195	875	25	1,264	18	4,047	29	5,423	123	11.0
South Atlantic		11,325	476	4,453	52	7,212	90	7,459	90	11,325	244	5.3
East South Central		5,085	253	2,273	39	3,168	42	4,185	52	5,085	120	7.4
West South Central		7,124	276	1,455	20	1,328	17	5,754	90	7,124	150	7.4
Mountain		3,390	109	894	17	823	Q	981	10	3,390	70	13.0
Pacific		9,610	351	3,393	58	2,782	45	2,962	20	9,610	228	6.4
Type of Home												
Mobile Home		4,187	126	1,269	18	2,532	27	2,509	16	4,187	64	10.7
Single-Family												
Detached		54,555	1,820	13,625	189	18,117	221	30,770	263	54,555	1,147	2.9
Single-Family												
Attached		3,000	76	891	10	801	7	1,753	12	3,000	47	18.5
2 to 4 Units		3,480	172	936	28	800	19	1,647	18	3,480	107	7.6
5 or More Units		953	227	332	56	285	29	570	33	953	109	9.7
Building Floorspace (square feet)												
Fewer than 1,001		10,236	246	2,537	24	4,542	45	4,981	28	10,236	149	7.5
1,001 to 2,000		25,913	842	7,227	94	9,117	109	14,806	134	25,913	504	3.9
2,001 to 5,000		27,861	1,058	6,690	128	8,301	117	16,189	139	27,861	674	4.4
5,001 to 10,000		1,816	129	455	21	453	13	1,021	16	1,816	78	11.6
10,001 to 25,000		296	80	118	19	98	11	216	13	296	37	17.6
25,001 to 50,000		34	31	18	7	15	5	22	6	34	14	32.2
50,001 to 100,000		14	17	Q	3	Q	2	11	Q	14	9	36.2
100,001 to 200,000		3	10	Q	Q	Q	Q	3	1	3	5	37.3
Over 200,000		1	6	Q	Q	Q	Q	1	Q	1	4	57.5
Year Constructed												
1939 or Before		18,995	522	2,966	40	4,821	57	7,956	40	18,995	385	6.2
1940 to 1949		6,048	185	1,469	16	2,087	24	3,407	24	6,048	120	8.5
1950 to 1959		11,671	360	2,388	27	2,919	35	6,726	54	11,671	244	5.9
1960 to 1969		12,514	496	3,058	53	3,872	54	8,018	88	12,514	300	6.4
1970 to 1979		15,442	779	6,190	145	7,808	118	10,304	127	15,442	389	5.8
1980 to 1981		1,505	78	982	20	1,028	14	838	9	1,505	34	13.6

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R16B.81p. Primary Electricity Consumption and Floorspace by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)		Consump- tion (trillion Btu)
RSE Column Factors:		0.7	0.8	1.5	NF	1.5	NF	1.1	NF	0.7	NF	
All Buildings		144,183	7,414	37,415	922	45,977	928	84,141	1,049	144,183	4,515	2.6
Census Region												
Northeast		35,083	1,216	7,003	159	7,794	126	17,161	72	35,083	859	5.7
Midwest		41,473	1,708	5,871	193	9,998	173	25,091	175	41,473	1,168	6.0
South		42,582	3,080	16,170	341	21,101	455	33,722	709	42,582	1,574	3.9
West		25,045	1,410	8,371	229	7,085	174	8,168	93	25,045	914	4.5
Census Division												
New England		8,343	278	2,272	36	1,865	30	3,426	7	8,343	205	8.5
Middle Atlantic		26,741	938	4,730	123	5,929	96	13,734	65	26,741	654	7.0
East North Central		28,134	1,110	3,571	116	6,746	119	14,963	84	28,134	790	9.2
West North Central		13,339	598	2,300	76	3,252	54	10,128	90	13,339	378	11.7
South Atlantic		21,932	1,458	8,845	160	12,852	276	16,210	275	21,932	748	6.1
East South Central		9,261	776	4,405	121	5,745	128	7,921	159	9,261	368	8.8
West South Central		11,389	845	2,921	60	2,503	51	9,590	275	11,389	459	9.3
Mountain		6,117	334	1,561	52	1,404	Q	1,993	32	6,117	214	13.1
Pacific		18,927	1,076	6,810	177	5,681	138	6,175	61	18,927	700	5.4
Type of Home												
Mobile Home		3,693	385	1,059	56	2,226	83	2,216	49	3,693	196	11.6
Single-Family												
Detached		114,199	5,576	28,463	580	36,606	676	66,447	806	114,199	3,514	3.5
Single-Family												
Attached		5,846	233	1,635	30	1,483	22	3,542	37	5,846	144	19.4
2 to 4 Units		10,507	526	2,426	85	2,373	58	5,383	55	10,507	328	8.7
5 or More Units		9,939	695	3,833	171	3,290	89	6,552	102	9,939	333	10.2
Building Floorspace (square feet)												
Fewer than 1,001		7,884	753	1,930	72	3,481	138	3,876	86	7,884	457	7.4
1,001 to 2,000		38,104	2,581	10,510	289	13,341	334	21,865	411	38,104	1,546	3.8
2,001 to 5,000		79,655	3,242	19,061	393	23,797	358	46,774	426	79,655	2,065	4.5
5,001 to 10,000		11,645	395	2,952	66	2,870	39	6,609	50	11,645	240	11.8
10,001 to 25,000		3,946	246	1,580	60	1,364	33	2,847	39	3,946	114	17.3
25,001 to 50,000		1,182	95	638	22	523	14	782	17	1,182	42	31.6
50,001 to 100,000		986	53	Q	9	Q	6	760	Q	986	27	38.0
100,001 to 200,000		434	29	Q	Q	Q	Q	389	4	434	14	37.0
Over 200,000		346	19	Q	Q	Q	Q	239	Q	346	10	65.5
Year Constructed												
1939 or Before		44,342	1,601	7,323	124	10,392	175	19,929	121	44,342	1,180	7.3
1940 to 1949		11,133	566	2,613	48	3,742	75	6,470	74	11,133	369	9.4
1950 to 1959		23,300	1,104	4,405	84	5,467	106	13,324	166	23,300	748	6.3
1960 to 1969		26,659	1,520	6,659	162	7,384	167	17,952	270	26,659	920	6.9
1970 to 1979		35,688	2,385	14,489	444	17,000	360	24,785	389	35,688	1,193	6.0
1980 to 1981		3,060	238	1,925	61	1,992	44	1,681	28	3,060	105	14.0

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R16B.81s. Site Electricity Consumption and Floorspace by End Use in Residential Buildings, 1981

Building Characteristics		End Uses									RSE Row Fac- tors	
		All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
		Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)	Consump- tion (trillion Btu)	Floor- space (million sq.ft.)		Consump- tion (trillion Btu)
RSE Column Factors:		0.7	0.8	1.5	NF	1.5	NF	1.1	NF	0.7	NF	
All Buildings		144,183	2,420	37,415	301	45,977	303	84,141	342	144,183	1,474	2.6
Census Region												
Northeast		35,083	397	7,003	52	7,794	41	17,161	24	35,083	280	5.7
Midwest		41,473	558	5,871	63	9,998	56	25,091	57	41,473	381	6.0
South		42,582	1,005	16,170	111	21,101	148	33,722	231	42,582	514	3.9
West		25,045	460	8,371	75	7,085	57	8,168	30	25,045	298	4.5
Census Division												
New England		8,343	91	2,272	12	1,865	10	3,426	2	8,343	67	8.5
Middle Atlantic		26,741	306	4,730	40	5,929	31	13,734	21	26,741	213	7.0
East North Central		28,134	362	3,571	38	6,746	39	14,963	28	28,134	258	9.2
West North Central		13,339	195	2,300	25	3,252	18	10,128	29	13,339	123	11.7
South Atlantic		21,932	476	8,845	52	12,852	90	16,210	90	21,932	244	6.1
East South Central		9,261	253	4,405	39	5,745	42	7,921	52	9,261	120	8.8
West South Central		11,389	276	2,921	20	2,503	17	9,590	90	11,389	150	9.3
Mountain		6,117	109	1,561	17	1,404	Q	1,993	10	6,117	70	13.1
Pacific		18,927	351	6,810	58	5,681	45	6,175	20	18,927	228	5.4
Type of Home												
Mobile Home		3,693	126	1,059	18	2,226	27	2,216	16	3,693	64	11.6
Single-Family												
Detached		114,199	1,820	28,463	189	36,606	221	66,447	263	114,199	1,147	3.5
Single-Family												
Attached		5,846	76	1,635	10	1,483	7	3,542	12	5,846	47	19.4
2 to 4 Units		10,507	172	2,426	28	2,373	19	5,383	18	10,507	107	8.7
5 or More Units		9,939	227	3,833	56	3,290	29	6,552	33	9,939	109	10.2
Building Floorspace (square feet)												
Fewer than 1,001		7,884	246	1,930	24	3,481	45	3,876	28	7,884	149	7.4
1,001 to 2,000		38,104	842	10,510	94	13,341	109	21,865	134	38,104	504	3.8
2,001 to 5,000		79,655	1,058	19,061	128	23,797	117	46,774	139	79,655	674	4.5
5,001 to 10,000		11,645	129	2,952	21	2,870	13	6,609	16	11,645	78	11.8
10,001 to 25,000		3,946	80	1,580	19	1,364	11	2,847	13	3,946	37	17.3
25,001 to 50,000		1,182	31	638	7	523	5	782	6	1,182	14	31.6
50,001 to 100,000		986	17	Q	3	Q	2	760	Q	986	9	38.0
100,001 to 200,000		434	10	Q	Q	Q	Q	389	1	434	5	37.0
Over 200,000		346	6	Q	Q	Q	Q	239	Q	346	4	65.5
Year Constructed												
1939 or Before		44,342	522	7,323	40	10,392	57	19,929	40	44,342	385	7.3
1940 to 1949		11,133	185	2,613	16	3,742	24	6,470	24	11,133	120	9.4
1950 to 1959		23,300	360	4,405	27	5,467	35	13,324	54	23,300	244	6.3
1960 to 1969		26,659	496	6,659	53	7,384	54	17,952	88	26,659	300	6.9
1970 to 1979		35,688	779	14,489	145	17,000	118	24,785	127	35,688	389	6.0
1980 to 1981		3,060	78	1,925	20	1,992	14	1,681	9	3,060	34	14.0

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R17A.81. Natural Gas Consumption and Number of Buildings by End Use in Residential Buildings, 1981

Building Characteristics	End Uses								RSE Row Factors
	All End Uses		Space Heating		Water Heating		Appliances		
	Buildings (thousand)	Consump- tion (trillion Btu)	Buildings (thousand)	Consump- tion (trillion Btu)	Buildings (thousand)	Consump- tion (trillion Btu)	Buildings (thousand)	Consump- tion (trillion Btu)	
	RSE Column Factors:	0.9	1.0	1.0	NF	1.0	NF	1.1	
All Buildings	41,636	5,273	38,736	3,692	36,755	1,133	29,872	427	3.4
Census Region									
Northeast	6,900	1,007	5,072	708	5,765	193	5,952	103	11.2
Midwest	13,081	2,223	12,930	1,746	11,890	349	9,132	122	4.5
South	12,216	1,148	11,682	720	10,192	302	8,720	116	7.1
West	9,438	895	9,052	518	8,908	288	6,067	86	6.3
Census Division									
New England	1,123	169	786	116	979	37	870	16	14.8
Middle Atlantic	5,776	838	4,287	592	4,786	156	5,082	87	12.8
East North Central	9,251	1,667	9,181	1,314	8,304	255	6,765	93	5.8
West North Central	3,830	556	3,749	432	3,586	94	2,367	29	11.2
South Atlantic	4,099	448	3,752	314	3,095	96	2,750	36	15.6
East South Central	2,395	236	2,370	163	1,770	50	1,359	20	12.1
West South Central	5,722	465	5,559	243	5,327	157	4,611	60	5.5
Mountain	2,569	278	2,504	197	2,399	67	1,291	14	12.3
Pacific	6,870	617	6,549	321	6,509	221	4,776	72	7.1
Type of Home									
Mobile Home	1,319	118	1,286	83	1,067	23	1,125	12	20.6
Single-Family Detached	34,812	4,056	33,111	2,842	30,976	877	24,378	318	3.6
Single-Family Attached	2,128	192	1,737	121	1,972	49	1,887	21	13.5
2 to 4 Units	2,738	579	2,132	420	2,233	112	2,082	46	7.5
5 or More Units	639	329	469	226	508	71	399	31	11.4
Building Floorspace (square feet)									
Fewer than 1,001	5,329	428	5,093	273	4,435	106	4,213	48	8.7
1,001 to 2,000	16,814	1,653	15,865	1,092	14,731	408	11,823	145	4.4
2,001 to 5,000	18,007	2,671	16,574	1,947	16,409	521	12,839	190	5.5
5,001 to 10,000	1,271	346	1,048	259	1,012	61	859	26	13.5
10,001 to 25,000	185	114	145	82	156	23	114	9	19.4
25,001 to 50,000	18	23	7	Q	9	5	15	4	37.5
50,001 to 100,000	8	17	Q	Q	3	3	7	2	25.3
100,001 to 200,000	3	11	Q	7	1	2	2	1	31.5
Over 200,000	1	11	1	Q	1	Q	Q	Q	48.5
Year Constructed									
1939 or Before	13,216	1,893	11,515	1,407	11,362	334	10,481	148	5.5
1940 to 1949	4,214	466	3,884	327	3,406	94	3,109	43	8.7
1950 to 1959	8,496	977	8,137	657	7,770	225	6,180	87	6.7
1960 to 1969	8,318	1,049	8,074	698	7,676	259	5,525	87	7.3
1970 to 1979	6,914	844	6,678	571	6,133	210	4,340	60	7.8
1980 to 1981	478	45	449	32	408	11	237	2	25.3

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.

Table R17B.81. Natural Gas Consumption and Floorspace by End Use in Residential Buildings, 1981

Building Characteristics	End Uses								RSE Row Factors
	All End Uses		Space Heating		Water Heating		Appliances		
	Floorspace (million sq.ft.)	Consump- tion (trillion Btu)	Floorspace (million sq.ft.)	Consump- tion (trillion Btu)	Floorspace (million sq.ft.)	Consump- tion (trillion Btu)	Floorspace (million sq.ft.)	Consump- tion (trillion Btu)	
	RSE Column Factors:	0.9	1.0	1.0	NF	1.0	NF	1.1	
All Buildings	92,768	5,273	83,685	3,692	81,106	1,133	65,521	427	3.6
Census Region									
Northeast	20,232	1,007	13,850	708	15,915	193	17,368	103	10.9
Midwest	31,952	2,223	31,288	1,746	28,894	349	21,838	122	5.2
South	22,242	1,148	20,987	720	19,032	302	15,475	116	8.5
West	18,341	895	17,559	518	17,265	288	10,839	86	4.7
Census Division									
New England	3,345	169	2,234	116	2,857	37	2,499	16	14.2
Middle Atlantic	16,888	838	11,616	592	13,057	156	14,870	87	12.4
East North Central	22,241	1,667	21,943	1,314	20,074	255	15,698	93	6.4
West North Central	9,711	556	9,345	432	8,820	94	6,139	29	10.7
South Atlantic	9,142	448	8,269	314	7,440	96	6,391	36	17.5
East South Central	4,365	236	4,328	163	3,430	50	2,387	20	13.4
West South Central	8,735	465	8,390	243	8,162	157	6,698	60	6.5
Mountain	4,654	278	4,545	197	4,443	67	1,974	14	12.1
Pacific	13,687	617	13,014	321	12,822	221	8,866	72	4.7
Type of Home									
Mobile Home	1,233	118	1,211	83	1,006	23	1,018	12	21.6
Single-Family Detached	72,406	4,056	68,083	2,842	64,680	877	50,161	318	4.3
Single-Family Attached	4,180	192	3,294	121	3,960	49	3,785	21	15.6
2 to 4 Units	8,494	579	6,881	420	6,863	112	6,433	46	8.5
5 or More Units	6,455	329	4,216	226	4,597	71	4,124	31	11.2
Building Floorspace (square feet)									
Fewer than 1,001	4,196	428	4,029	273	3,498	106	3,256	48	8.6
1,001 to 2,000	24,903	1,653	23,396	1,092	21,764	408	17,397	145	4.3
2,001 to 5,000	51,255	2,671	47,009	1,947	46,501	521	36,434	190	5.6
5,001 to 10,000	8,202	346	6,682	259	6,509	61	5,557	26	13.5
10,001 to 25,000	2,420	114	1,840	82	1,970	23	1,527	9	18.3
25,001 to 50,000	646	23	227	Q	312	5	537	4	37.2
50,001 to 100,000	525	17	Q	Q	207	3	447	2	25.8
100,001 to 200,000	337	11	143	7	155	2	236	1	35.6
Over 200,000	285	11	Q	Q	Q	Q	Q	Q	54.0
Year Constructed									
1939 or Before	31,575	1,893	26,280	1,407	26,821	334	24,660	148	5.9
1940 to 1949	7,498	466	6,760	327	6,054	94	5,487	43	8.8
1950 to 1959	17,047	977	15,785	657	15,139	225	12,459	87	7.0
1960 to 1969	18,243	1,049	17,076	698	16,685	259	11,914	87	7.9
1970 to 1979	17,306	844	16,760	571	15,493	210	10,500	60	8.3
1980 to 1981	1,099	45	1,023	32	913	11	500	2	25.4

NF = No applicable RSE row/column factor, estimates derived from regression model.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 of the 1981 Residential Energy Consumption Survey.