

**Table R1.81. Residential Building and Housing Unit Characteristics, 1981**

Building and Housing Unit Characteristics	Total Floorspace (million square feet)	Buildings		Housing Units			RSE Row Factors
		Number of Buildings (thousand)	Floorspace per Building (square feet)	Number of Housing Units (thousand)	Floorspace per Housing Unit (square feet)	Floorspace per Household Member (square feet)	
RSE Column Factors:	1.4	1.3	0.6	1.2	0.8	0.9	
<b>All Buildings</b> .....	144,201	66,210	2,178	83,141	1,734	618	1.4
<b>Census Region</b>							
Northeast .....	35,083	12,178	2,881	17,927	1,957	681	2.7
Midwest .....	41,473	17,462	2,375	21,236	1,953	717	3.2
South .....	42,589	23,543	1,809	27,690	1,538	554	2.5
West .....	25,055	13,027	1,923	16,288	1,538	531	2.7
<b>Census Division</b>							
New England .....	8,343	2,932	2,846	4,263	1,957	695	4.5
Middle Atlantic .....	26,741	9,246	2,892	13,664	1,957	677	2.8
East North Central .....	28,134	12,039	2,337	14,613	1,925	707	4.4
West North Central .....	13,339	5,423	2,460	6,623	2,014	738	6.7
South Atlantic .....	21,940	11,334	1,936	14,115	1,554	571	3.7
East South Central .....	9,261	5,085	1,821	5,612	1,650	590	4.8
West South Central .....	11,389	7,124	1,599	7,963	1,430	502	4.7
Mountain .....	6,128	3,416	1,794	3,957	1,548	523	4.9
Pacific .....	18,927	9,610	1,969	12,330	1,535	534	3.0
<b>Type of Home</b>							
Mobile Home .....	3,695	4,198	880	4,198	880	355	5.7
Single-Family							
Detached .....	114,212	54,575	2,093	54,575	2,093	688	1.6
Single-Family							
Attached .....	5,848	3,005	1,946	3,005	1,946	701	8.6
2 to 4 Units .....	10,507	3,480	3,019	9,328	1,126	460	4.4
5 or More Units .....	9,939	953	10,434	12,035	826	387	5.6
<b>Building / Housing Unit Floorspace (square feet)</b>							
Fewer than 1,001 .....	7,903	10,272	769	24,823	724	320	2.7
1,001 to 2,000 .....	38,104	25,913	1,470	30,817	1,442	501	1.6
2,001 to 5,000 .....	79,655	27,861	2,859	26,395	2,838	885	1.7
5,001 to 10,000 .....	11,645	1,816	6,411	1,075	6,122	1,759	5.9
10,001 to 25,000 .....	3,946	296	13,318	Q	Q	Q	8.6
25,001 to 50,000 .....	1,182	34	35,167	NC	NC	NC	11.4
50,001 to 100,000 .....	986	14	70,776	NC	NC	NC	15.1
100,001 to 200,000 .....	434	3	132,457	NC	NC	NC	20.4
Over 200,000 .....	346	1	300,095	NC	NC	NC	27.6
<b>Year Constructed</b>							
1939 or Before .....	44,357	19,020	2,332	24,226	1,831	663	3.4
1940 to 1949 .....	11,133	6,048	1,841	6,924	1,608	605	5.2
1950 to 1959 .....	23,300	11,671	1,997	13,474	1,729	627	3.7
1960 to 1969 .....	26,662	12,525	2,129	16,108	1,655	583	3.6
1970 to 1979 .....	35,688	15,442	2,311	20,468	1,744	598	3.6
1980 to 1981 .....	3,060	1,505	2,034	1,941	1,577	560	9.0

NC = No cases in sample.

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 R2.81. Energy Sources Used for All End Uses in Residential Buildings, Number of Buildings and Total Floorspace, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	Any Energy Source		Electricity		Natural Gas		Fuel Oil		Kerosene		LPG		
	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	
	0.4	0.5	0.4	0.5	0.7	0.7	1.3	1.3	2.4	2.6	1.9	2.0	
RSE Column Factors:	0.4	0.5	0.4	0.5	0.7	0.7	1.3	1.3	2.4	2.6	1.9	2.0	
All Buildings . . . . .	66,210	144,201	66,174	144,183	41,636	92,768	9,468	26,133	1,919	3,468	7,224	12,151	4.0
Census Region													
Northeast . . . . .	12,178	35,083	12,178	35,083	6,900	20,232	5,470	17,140	695	1,518	1,067	2,694	8.2
Midwest . . . . .	17,462	41,473	17,462	41,473	13,081	31,952	1,877	4,355	267	649	2,065	3,981	7.7
South . . . . .	23,543	42,589	23,534	42,582	12,216	22,242	1,700	3,644	867	1,099	3,380	4,371	7.6
West . . . . .	13,027	25,055	13,000	25,045	9,438	18,341	420	993	90	202	711	1,105	8.7
Census Division													
New England . . . . .	2,932	8,343	2,932	8,343	1,123	3,345	1,700	5,068	65	133	413	986	12.6
Middle Atlantic . . . . .	9,246	26,741	9,246	26,741	5,776	16,888	3,770	12,073	629	1,384	653	1,708	9.8
East North Central . . . . .	12,039	28,134	12,039	28,134	9,251	22,241	1,541	3,358	Q	418	1,161	2,186	11.5
West North Central . . . . .	5,423	13,339	5,423	13,339	3,830	9,711	336	997	Q	Q	905	1,794	15.5
South Atlantic . . . . .	11,334	21,940	11,325	21,932	4,099	9,142	1,481	3,245	795	1,009	2,129	2,717	11.1
East South Central . . . . .	5,085	9,261	5,085	9,261	2,395	4,365	Q	Q	56	72	585	702	14.0
West South Central . . . . .	7,124	11,389	7,124	11,389	5,722	8,735	Q	Q	Q	Q	666	952	11.6
Mountain . . . . .	3,416	6,128	3,390	6,117	2,569	4,654	Q	Q	21	58	218	Q	11.5
Pacific . . . . .	9,610	18,927	9,610	18,927	6,870	13,687	358	894	Q	Q	493	759	9.0
Type of Home													
Mobile Home . . . . .	4,198	3,695	4,187	3,693	1,319	1,233	474	353	230	168	1,752	1,453	16.4
Single-Family													
Detached . . . . .	54,575	114,212	54,555	114,199	34,812	72,406	7,612	20,323	1,538	2,879	5,380	10,384	4.7
Single-Family													
Attached . . . . .	3,005	5,848	3,000	5,846	2,128	4,180	563	1,287	103	Q	Q	Q	26.4
2 to 4 Units . . . . .	3,480	10,507	3,480	10,507	2,738	8,494	649	2,020	47	Q	65	208	14.7
5 or More Units . . . . .	953	9,939	953	9,939	639	6,455	169	2,149	*	*	Q	Q	14.6
Building Floorspace (square feet)													
Fewer than 1,001 . . . . .	10,272	7,903	10,236	7,884	5,329	4,196	972	744	397	287	2,359	1,684	10.9
1,001 to 2,000 . . . . .	25,913	38,104	25,913	38,104	16,814	24,903	2,323	3,658	794	1,140	2,632	3,683	6.5
2,001 to 5,000 . . . . .	27,861	79,655	27,861	79,655	18,007	51,255	5,576	16,542	712	1,918	2,090	5,889	6.3
5,001 to 10,000 . . . . .	1,816	11,645	1,816	11,645	1,271	8,202	539	3,509	Q	Q	133	784	16.8
10,001 to 25,000 . . . . .	296	3,946	296	3,946	185	2,420	41	656	*	*	Q	Q	24.7
25,001 to 50,000 . . . . .	34	1,182	34	1,182	18	646	Q	Q	*	*	Q	Q	53.9
50,001 to 100,000 . . . . .	14	986	14	986	8	525	6	377	*	*	*	*	32.8
100,001 to 200,000 . . . . .	3	434	3	434	3	337	1	160	*	*	*	*	41.0
Over 200,000 . . . . .	1	346	1	346	1	285	Q	Q	*	*	*	*	87.9
Year Constructed													
1939 or Before . . . . .	19,020	44,357	18,995	44,342	13,216	31,575	3,864	11,188	640	1,452	2,477	4,997	8.7
1940 to 1949 . . . . .	6,048	11,133	6,048	11,133	4,214	7,498	958	2,433	181	306	474	825	13.5
1950 to 1959 . . . . .	11,671	23,300	11,671	23,300	8,496	17,047	1,806	4,933	368	579	690	1,108	9.5
1960 to 1969 . . . . .	12,525	26,662	12,514	26,659	8,318	18,243	1,385	3,729	275	409	1,265	1,766	9.5
1970 to 1979 . . . . .	15,442	35,688	15,442	35,688	6,914	17,306	1,420	3,775	438	706	2,189	3,257	9.7
1980 to 1981 . . . . .	1,505	3,060	1,505	3,060	478	1,099	Q	Q	Q	Q	128	198	24.6

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

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 R3.81. Energy Sources Used for Main Space Heating in Residential Buildings, Number of Buildings and Total Floorspace, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	Any Energy Source		Electricity		Natural Gas		Fuel Oil		Kerosene		LPG		
	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	
	0.3	0.4	1.1	1.1	0.6	0.6	1.0	1.1	2.5	2.4	1.7	1.6	
All Buildings	65,897	143,734	9,088	20,122	38,073	82,308	8,177	22,729	834	1,038	3,670	5,569	5.9
Census Region													
Northeast	12,178	35,083	786	2,526	4,991	13,498	4,883	15,346	133	191	Q	Q	13.6
Midwest	17,462	41,473	778	2,121	12,826	31,011	1,537	3,557	Q	Q	1,020	2,028	9.7
South	23,528	42,573	5,284	11,133	11,459	20,632	1,377	2,923	653	762	2,143	2,674	10.4
West	12,730	24,605	2,241	4,343	8,797	17,166	379	903	Q	Q	421	744	11.5
Census Division													
New England	2,932	8,343	156	500	757	2,096	1,441	4,337	34	73	Q	Q	16.8
Middle Atlantic	9,246	26,741	630	2,026	4,234	11,403	3,442	11,009	98	Q	Q	Q	16.1
East North Central	12,039	28,134	389	1,092	9,162	21,890	1,212	2,600	*	*	453	882	15.9
West North Central	5,423	13,339	389	1,029	3,664	9,121	326	956	Q	Q	567	1,146	18.4
South Atlantic	11,324	21,931	2,934	6,160	3,688	8,184	1,195	2,634	608	717	1,218	1,436	14.9
East South Central	5,085	9,261	1,431	2,847	2,328	4,264	Q	Q	Q	Q	327	379	15.3
West South Central	7,119	11,382	918	2,126	5,444	8,185	Q	Q	*	*	598	858	15.6
Mountain	3,416	6,128	528	933	2,404	4,362	Q	Q	*	*	Q	Q	20.5
Pacific	9,313	18,477	1,713	3,410	6,393	12,804	323	814	Q	Q	281	Q	12.0
Type of Home													
Mobile Home	4,198	3,695	842	757	1,277	1,198	431	318	219	161	1,094	941	19.1
Single-Family Detached	54,277	113,806	6,624	13,107	32,490	66,833	6,432	17,458	606	858	2,558	4,581	6.7
Single-Family Attached	3,005	5,848	659	1,163	1,737	3,294	536	1,185	*	*	*	*	33.5
2 to 4 Units	3,467	10,492	651	1,493	2,106	6,814	631	1,900	Q	Q	Q	Q	15.2
5 or More Units	950	9,893	311	3,602	462	4,170	147	1,868	*	*	*	*	17.9
Building Floorspace (square feet)													
Fewer than 1,001	10,152	7,802	1,411	1,090	4,965	3,929	863	658	358	259	1,248	892	12.9
1,001 to 2,000	25,789	37,947	4,212	6,140	15,585	22,961	1,967	3,117	361	473	1,534	2,123	8.9
2,001 to 5,000	27,794	79,493	3,143	9,011	16,359	46,400	4,790	14,193	115	306	859	2,355	9.3
5,001 to 10,000	1,815	11,638	199	1,275	1,008	6,462	508	3,292	*	*	20	103	20.5
10,001 to 25,000	295	3,919	97	1,306	144	1,826	34	562	*	*	Q	Q	29.6
25,001 to 50,000	34	1,182	17	608	7	227	Q	Q	*	*	*	*	57.8
50,001 to 100,000	14	981	Q	Q	Q	Q	5	310	*	*	*	*	49.1
100,001 to 200,000	3	426	Q	Q	Q	143	Q	Q	*	*	*	*	80.6
Over 200,000	1	346	Q	Q	1	Q	Q	Q	*	*	*	*	113.3
Year Constructed													
1939 or Before	18,914	44,212	760	1,618	11,360	25,883	3,357	9,670	154	229	1,172	2,336	11.8
1940 to 1949	6,021	11,094	431	613	3,773	6,634	845	2,216	Q	Q	202	Q	18.4
1950 to 1959	11,629	23,241	871	1,319	8,042	15,635	1,603	4,433	159	167	267	383	12.8
1960 to 1969	12,474	26,583	1,570	3,680	7,927	16,736	1,232	3,434	141	172	721	1,021	11.6
1970 to 1979	15,362	35,561	4,639	11,291	6,521	16,398	1,115	2,917	281	362	1,251	1,435	11.7
1980 to 1981	1,497	3,043	818	1,601	449	1,023	Q	Q	Q	Q	56	96	27.1

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

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 R4.81. Energy Sources Used for Air Conditioning and Appliances in Residential Buildings, Number of Buildings and Total Floorspace, 1981**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances						RSE Row Factors
	Electricity		Electricity		Natural Gas		LPG		
	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	Buildings (thousand)	Floorspace (million sq.ft.)	
RSE Column Factors:	0.8	0.9	0.5	0.5	1.0	1.0	2.3	2.5	
All Buildings	34,988	78,934	66,174	144,183	29,872	65,521	5,423	8,848	3.6
Census Region									
Northeast	5,239	15,724	12,178	35,083	5,952	17,368	999	2,446	7.6
Midwest	9,306	22,939	17,462	41,473	9,132	21,838	1,476	2,601	7.0
South	16,713	32,541	23,534	42,582	8,720	15,475	2,482	3,157	5.9
West	3,730	7,730	13,000	25,045	6,067	10,839	467	645	8.4
Census Division									
New England	1,028	3,010	2,932	8,343	870	2,499	377	908	12.5
Middle Atlantic	4,211	12,715	9,246	26,741	5,082	14,870	623	1,539	8.9
East North Central	5,532	13,473	12,039	28,134	6,765	15,698	846	1,423	11.4
West North Central	3,774	9,466	5,423	13,339	2,367	6,139	630	1,177	11.8
South Atlantic	7,039	15,450	11,325	21,932	2,750	6,391	1,578	2,030	9.9
East South Central	4,081	7,768	5,085	9,261	1,359	2,387	348	355	12.0
West South Central	5,593	9,323	7,124	11,389	4,611	6,698	556	772	10.0
Mountain	914	1,826	3,390	6,117	1,291	1,974	156	Q	15.8
Pacific	2,816	5,904	9,610	18,927	4,776	8,866	312	435	10.5
Type of Home									
Mobile Home	2,313	2,058	4,187	3,693	1,125	1,018	1,593	1,328	13.2
Single-Family									
Detached	28,884	62,100	54,555	114,199	24,378	50,161	3,744	7,218	4.5
Single-Family									
Attached	1,676	3,401	3,000	5,846	1,887	3,785	Q	Q	20.2
2 to 4 Units	1,577	5,118	3,480	10,507	2,082	6,433	Q	Q	10.0
5 or More Units	537	6,257	953	9,939	399	4,124	Q	Q	12.7
Building Floorspace (square feet)									
Fewer than 1,001	4,653	3,633	10,236	7,884	4,213	3,256	1,936	1,367	9.3
1,001 to 2,000	13,968	20,545	25,913	38,104	11,823	17,397	1,902	2,614	5.7
2,001 to 5,000	15,167	43,739	27,861	79,655	12,839	36,434	1,482	4,196	5.8
5,001 to 10,000	956	6,180	1,816	11,645	859	5,557	94	560	16.7
10,001 to 25,000	208	2,756	296	3,946	114	1,527	Q	Q	22.6
25,001 to 50,000	21	739	34	1,182	15	537	Q	Q	42.0
50,001 to 100,000	11	753	14	986	7	447	*	*	33.8
100,001 to 200,000	3	362	3	434	2	236	*	*	35.0
Over 200,000	1	227	1	346	Q	Q	*	*	79.0
Year Constructed									
1939 or Before	7,194	18,013	18,995	44,342	10,481	24,660	1,912	3,904	7.5
1940 to 1949	3,227	6,165	6,048	11,133	3,109	5,487	327	553	11.5
1950 to 1959	6,387	12,685	11,671	23,300	6,180	12,459	441	721	8.6
1960 to 1969	7,576	16,884	12,514	26,659	5,525	11,914	914	1,141	8.5
1970 to 1979	9,801	23,596	15,442	35,688	4,340	10,500	1,724	2,380	8.0
1980 to 1981	804	1,591	1,505	3,060	237	500	106	150	22.3

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

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 R5.81. End Uses for All Energy Sources in Residential Buildings, Number of Buildings and Total Floorspace, 1981**

Building Characteristics	All Buildings		End Uses										RSE Row Fac- tors
			Main Space Heating		Secondary Space Heating		Water Heating		Air Conditioning		Appliances		
	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	Build- ings (thou- sand)	Floor- space (million sq.ft.)	
	0.8	0.9	0.8	0.9	1.4	1.6	0.8	0.9	1.3	1.4	0.8	0.9	
RSE Column Factors:	0.8	0.9	0.8	0.9	1.4	1.6	0.8	0.9	1.3	1.4	0.8	0.9	
All Buildings	66,210	144,201	65,897	143,734	29,152	69,737	66,063	144,077	36,181	81,950	66,196	144,191	1.7
Census Region													
Northeast	12,178	35,083	12,178	35,083	6,042	17,953	12,178	35,083	5,387	16,137	12,178	35,083	3.7
Midwest	17,462	41,473	17,462	41,473	7,003	18,652	17,405	41,418	9,779	24,185	17,462	41,473	4.2
South	23,543	42,589	23,528	42,573	9,043	18,400	23,453	42,520	16,995	33,251	23,534	42,582	2.6
West	13,027	25,055	12,730	24,605	7,064	14,732	13,027	25,055	4,020	8,378	13,022	25,053	3.4
Census Division													
New England	2,932	8,343	2,932	8,343	1,691	4,924	2,932	8,343	1,037	3,044	2,932	8,343	6.9
Middle Atlantic	9,246	26,741	9,246	26,741	4,352	13,030	9,246	26,741	4,350	13,092	9,246	26,741	4.6
East North Central	12,039	28,134	12,039	28,134	4,762	12,350	11,984	28,082	5,931	14,548	12,039	28,134	7.1
West North Central	5,423	13,339	5,423	13,339	2,241	6,301	5,421	13,335	3,848	9,636	5,423	13,339	9.2
South Atlantic	11,334	21,940	11,324	21,931	4,488	9,453	11,297	21,917	7,106	15,633	11,325	21,932	4.4
East South Central	5,085	9,261	5,085	9,261	2,066	4,390	5,066	9,241	4,162	8,039	5,085	9,261	7.2
West South Central	7,124	11,389	7,119	11,382	2,490	4,557	7,091	11,362	5,727	9,579	7,124	11,389	5.7
Mountain	3,416	6,128	3,416	6,128	1,529	3,229	3,416	6,128	920	1,841	3,411	6,126	7.8
Pacific	9,610	18,927	9,313	18,477	5,535	11,503	9,610	18,927	3,100	6,537	9,610	18,927	4.6
Type of Home													
Mobile Home	4,198	3,695	4,198	3,695	841	749	4,175	3,688	2,319	2,066	4,198	3,695	10.5
Single-Family Detached	54,575	114,212	54,277	113,806	26,697	63,681	54,453	114,098	29,974	64,835	54,561	114,202	2.3
Single-Family Attached	3,005	5,848	3,005	5,848	930	2,268	3,005	5,848	1,749	3,516	3,005	5,848	14.6
2 to 4 Units	3,480	10,507	3,467	10,492	589	1,979	3,478	10,503	1,593	5,173	3,480	10,507	7.5
5 or More Units	953	9,939	950	9,893	96	1,060	953	9,939	545	6,360	953	9,939	9.2
Building Floorspace (square feet)													
Fewer than 1,001	10,272	7,903	10,152	7,802	2,443	1,879	10,180	7,849	4,653	3,633	10,257	7,893	6.8
1,001 to 2,000	25,913	38,104	25,789	37,947	9,991	15,031	25,858	38,034	14,388	21,167	25,913	38,104	3.3
2,001 to 5,000	27,861	79,655	27,794	79,493	15,706	45,854	27,861	79,655	15,914	45,908	27,861	79,655	3.5
5,001 to 10,000	1,816	11,645	1,815	11,638	945	5,874	1,816	11,645	976	6,316	1,816	11,645	10.4
10,001 to 25,000	296	3,946	295	3,919	63	793	296	3,946	215	2,846	296	3,946	15.4
25,001 to 50,000	34	1,182	34	1,182	Q	Q	34	1,182	21	739	34	1,182	30.6
50,001 to 100,000	14	986	14	981	Q	Q	14	986	11	753	14	986	31.8
100,001 to 200,000	3	434	3	426	Q	Q	3	434	3	362	3	434	29.8
Over 200,000	1	346	1	346	Q	Q	1	346	1	227	1	346	53.7
Year Constructed													
1939 or Before	19,020	44,357	18,914	44,212	7,167	18,790	18,948	44,282	7,403	18,505	19,005	44,348	5.5
1940 to 1949	6,048	11,133	6,021	11,094	2,431	4,896	6,015	11,113	3,319	6,372	6,048	11,133	8.4
1950 to 1959	11,671	23,300	11,629	23,241	5,423	11,791	11,634	23,275	6,805	13,765	11,671	23,300	5.5
1960 to 1969	12,525	26,662	12,474	26,583	5,632	12,614	12,519	26,658	7,788	17,433	12,525	26,662	5.8
1970 to 1979	15,442	35,688	15,362	35,561	7,884	20,454	15,442	35,688	10,062	24,285	15,442	35,688	5.4
1980 to 1981	1,505	3,060	1,497	3,043	614	1,192	1,505	3,060	804	1,591	1,505	3,060	14.3

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 R6.81. End Uses for Electricity Energy Sources in Residential Buildings, Number of Buildings and Total Floorspace, 1981**

Building Characteristics	End Uses										RSE Row Factors
	Main Space Heating		Secondary Space Heating		Water Heating		Air Conditioning		Appliances		
	Build-ings (thou-sand)	Floor-space (million sq.ft.)	Build-ings (thou-sand)	Floor-space (million sq.ft.)	Build-ings (thou-sand)	Floor-space (million sq.ft.)	Build-ings (thou-sand)	Floor-space (million sq.ft.)	Build-ings (thou-sand)	Floor-space (million sq.ft.)	
RSE Column Factors:	0.8	0.9	0.8	0.9	1.4	1.6	0.8	0.9	1.3	1.4	
All Buildings . . . . .	9,088	20,122	7,921	17,236	22,514	45,935	34,988	78,934	66,174	144,183	1.7
Census Region											
Northeast . . . . .	786	2,526	1,489	4,366	2,878	7,794	5,239	15,724	12,178	35,083	3.7
Midwest . . . . .	778	2,121	1,473	3,730	4,343	9,998	9,306	22,939	17,462	41,473	4.2
South . . . . .	5,284	11,133	3,125	5,500	11,708	21,101	16,713	32,541	23,534	42,582	2.6
West . . . . .	2,241	4,343	1,834	3,639	3,585	7,043	3,730	7,730	13,000	25,045	3.4
Census Division											
New England . . . . .	156	500	597	1,722	730	1,865	1,028	3,010	2,932	8,343	6.9
Middle Atlantic . . . . .	630	2,026	892	2,645	2,148	5,929	4,211	12,715	9,246	26,741	4.6
East North Central . . . . .	389	1,092	984	2,450	3,079	6,746	5,532	13,473	12,039	28,134	7.1
West North Central . . . . .	389	1,029	489	1,280	1,264	3,252	3,774	9,466	5,423	13,339	9.2
South Atlantic . . . . .	2,934	6,160	1,706	3,079	7,212	12,852	7,039	15,450	11,325	21,932	4.4
East South Central . . . . .	1,431	2,847	891	1,628	3,168	5,745	4,081	7,768	5,085	9,261	7.2
West South Central . . . . .	918	2,126	528	794	1,328	2,503	5,593	9,323	7,124	11,389	5.7
Mountain . . . . .	528	933	352	592	823	1,404	914	1,826	3,390	6,117	7.8
Pacific . . . . .	1,713	3,410	1,482	3,048	2,762	5,638	2,816	5,904	9,610	18,927	4.6
Type of Home											
Mobile Home . . . . .	842	757	457	335	2,532	2,226	2,313	2,058	4,187	3,693	10.5
Single-Family											
Detached . . . . .	6,624	13,107	6,877	14,994	18,097	36,563	28,884	62,100	54,555	114,199	2.3
Single-Family											
Attached . . . . .	659	1,163	198	414	801	1,483	1,676	3,401	3,000	5,846	14.6
2 to 4 Units . . . . .	651	1,493	352	1,058	800	2,373	1,577	5,118	3,480	10,507	7.5
5 or More Units . . . . .	311	3,602	38	435	285	3,290	537	6,257	953	9,939	9.2
Building Floorspace (square feet)											
Fewer than 1,001 . . . . .	1,411	1,090	1,196	893	4,542	3,481	4,653	3,633	10,236	7,884	6.8
1,001 to 2,000 . . . . .	4,212	6,140	2,894	4,166	9,117	13,341	13,968	20,545	25,913	38,104	3.3
2,001 to 5,000 . . . . .	3,143	9,011	3,573	10,157	8,281	23,755	15,167	43,739	27,861	79,655	3.5
5,001 to 10,000 . . . . .	199	1,275	229	1,503	453	2,870	956	6,180	1,816	11,645	10.4
10,001 to 25,000 . . . . .	97	1,306	26	369	98	1,364	208	2,756	296	3,946	15.4
25,001 to 50,000 . . . . .	17	608	Q	Q	15	523	21	739	34	1,182	30.6
50,001 to 100,000 . . . . .	Q	Q	Q	Q	Q	Q	11	753	14	986	31.8
100,001 to 200,000 . . . . .	Q	Q	*	*	Q	Q	3	362	3	434	29.8
Over 200,000 . . . . .	Q	Q	Q	Q	Q	Q	1	227	1	346	53.7
Year Constructed											
1939 or Before . . . . .	760	1,618	2,170	5,605	4,821	10,392	7,194	18,013	18,995	44,342	5.5
1940 to 1949 . . . . .	431	613	1,019	1,988	2,087	3,742	3,227	6,165	6,048	11,133	8.4
1950 to 1959 . . . . .	871	1,319	1,516	3,088	2,919	5,467	6,387	12,685	11,671	23,300	5.5
1960 to 1969 . . . . .	1,570	3,680	1,390	2,885	3,872	7,384	7,576	16,884	12,514	26,659	5.8
1970 to 1979 . . . . .	4,639	11,291	1,600	3,189	7,788	16,958	9,801	23,596	15,442	35,688	5.4
1980 to 1981 . . . . .	818	1,601	227	481	1,028	1,992	804	1,591	1,505	3,060	14.3

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

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 R7.81. End Uses for Natural Gas and Fuel Oil Energy Sources in Residential Buildings, Number of Buildings and Total Floorspace, 1981**

Building Characteristics	Natural Gas End Uses								Fuel Oil End Uses				RSE Row Fac- tors
	Main Space Heating		Secondary Space Heating		Water Heating		Appliances		Main Space Heating		Water Heating		
	Build-ings (thou- sand)	Floor- space (million sq.ft.)	Build-ings (thou- sand)	Floor- space (million sq.ft.)	Build-ings (thou- sand)	Floor- space (million sq.ft.)	Build-ings (thou- sand)	Floor- space (million sq.ft.)	Build-ings (thou- sand)	Floor- space (million sq.ft.)	Build-ings (thou- sand)	Floor- space (million sq.ft.)	
	0.6	0.7	1.9	2.0	0.7	0.7	0.7	0.7	1.1	1.2	1.4	1.3	
All Buildings	38,073	82,308	2,565	5,310	36,755	81,106	29,872	65,521	8,177	22,729	3,436	11,550	5.6
Census Region													
Northeast	4,991	13,498	165	495	5,765	15,915	5,952	17,368	4,883	15,346	3,144	10,696	12.7
Midwest	12,826	31,011	730	1,894	11,890	28,894	9,132	21,838	1,537	3,557	Q	Q	8.1
South	11,459	20,632	1,148	1,896	10,192	19,032	8,720	15,475	1,377	2,923	Q	Q	11.9
West	8,797	17,166	523	1,024	8,908	17,265	6,067	10,839	379	903	Q	Q	9.7
Census Division													
New England	757	2,096	51	186	979	2,857	870	2,499	1,441	4,337	1,036	3,300	16.0
Middle Atlantic	4,234	11,403	114	Q	4,786	13,057	5,082	14,870	3,442	11,009	2,107	7,395	14.7
East North Central	9,162	21,890	409	1,110	8,304	20,074	6,765	15,698	1,212	2,600	Q	Q	10.7
West North Central	3,664	9,121	320	784	3,586	8,820	2,367	6,139	326	956	Q	Q	17.1
South Atlantic	3,688	8,184	Q	Q	3,095	7,440	2,750	6,391	1,195	2,634	Q	Q	22.9
East South Central	2,328	4,264	137	231	1,770	3,430	1,359	2,387	Q	Q	*	*	18.9
West South Central	5,444	8,185	762	1,172	5,327	8,162	4,611	6,698	Q	Q	Q	Q	8.6
Mountain	2,404	4,362	174	288	2,399	4,443	1,291	1,974	Q	Q	*	*	16.2
Pacific	6,393	12,804	349	736	6,509	12,822	4,776	8,866	323	814	Q	Q	10.5
Type of Home													
Mobile Home	1,277	1,198	76	94	1,067	1,006	1,125	1,018	431	318	Q	Q	26.5
Single-Family Detached	32,490	66,833	2,370	4,832	30,976	64,680	24,378	50,161	6,432	17,458	2,579	7,941	6.1
Single-Family Attached	1,737	3,294	Q	Q	1,972	3,960	1,887	3,785	536	1,185	251	467	26.3
2 to 4 Units	2,106	6,814	64	146	2,233	6,863	2,082	6,433	631	1,900	426	1,211	13.5
5 or More Units	462	4,170	19	168	508	4,597	399	4,124	147	1,868	141	1,902	17.1
Building Floorspace (square feet)													
Fewer than 1,001	4,965	3,929	361	293	4,435	3,498	4,213	3,256	863	658	168	131	14.3
1,001 to 2,000	15,585	22,961	1,077	1,608	14,731	21,764	11,823	17,397	1,967	3,117	687	1,098	8.1
2,001 to 5,000	16,359	46,400	1,053	2,931	16,409	46,501	12,839	36,434	4,790	14,193	2,212	6,796	8.0
5,001 to 10,000	1,008	6,462	65	366	1,012	6,509	859	5,557	508	3,292	322	2,068	18.9
10,001 to 25,000	144	1,826	Q	Q	156	1,970	114	1,527	34	562	30	483	25.9
25,001 to 50,000	7	227	*	*	9	312	15	537	Q	Q	Q	Q	55.8
50,001 to 100,000	Q	Q	*	*	3	207	7	447	5	310	5	354	27.0
100,001 to 200,000	Q	143	*	*	1	155	2	236	Q	Q	1	160	39.9
Over 200,000	1	Q	*	*	1	190	Q	Q	Q	Q	Q	Q	71.4
Year Constructed													
1939 or Before	11,360	25,883	807	1,928	11,362	26,821	10,481	24,660	3,357	9,670	1,333	4,317	9.7
1940 to 1949	3,773	6,634	359	597	3,406	6,054	3,109	5,487	845	2,216	326	1,061	14.9
1950 to 1959	8,042	15,635	512	908	7,770	15,139	6,180	12,459	1,603	4,433	708	2,355	10.0
1960 to 1969	7,927	16,736	551	1,100	7,676	16,685	5,525	11,914	1,232	3,434	473	1,841	10.9
1970 to 1979	6,521	16,398	323	760	6,133	15,493	4,340	10,500	1,115	2,917	586	1,936	12.8
1980 to 1981	449	1,023	Q	Q	408	913	237	500	Q	Q	Q	Q	38.2

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

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 R8.81p. Total and Average Primary Consumption and Expenditures for All Major Energy Sources in Residential Buildings, 1981**

Building Characteristics	Total				Average					RSE Row Fac- tors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1981 Dollars		1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
RSE Column Factors:	1.5	1.4	1.5	1.5	0.8	0.9	0.9	0.6	0.6	
All Buildings . . . . .	144,201	14,283	103,512	83,016	99.05	0.72	0.58	7.25	5.81	1.2
Census Region										
Northeast . . . . .	35,083	3,179	30,517	24,475	90.60	0.87	0.70	9.60	7.70	1.8
Midwest . . . . .	41,473	4,245	27,358	21,941	102.36	0.66	0.53	6.44	5.17	2.4
South . . . . .	42,589	4,485	31,209	25,030	105.30	0.73	0.59	6.96	5.58	2.7
West . . . . .	25,055	2,374	14,428	11,571	94.75	0.58	0.46	6.08	4.87	2.4
Census Division										
New England . . . . .	8,343	716	7,358	5,901	85.82	0.88	0.71	10.28	8.24	3.3
Middle Atlantic . . . . .	26,741	2,463	23,159	18,574	92.09	0.87	0.69	9.40	7.54	2.3
East North Central . . . . .	28,134	2,975	19,409	15,566	105.74	0.69	0.55	6.52	5.23	3.5
West North Central . . . . .	13,339	1,270	7,949	6,375	95.24	0.60	0.48	6.26	5.02	4.9
South Atlantic . . . . .	21,940	2,095	15,922	12,770	95.48	0.73	0.58	7.60	6.10	4.4
East South Central . . . . .	9,261	1,047	6,226	4,993	113.06	0.67	0.54	5.95	4.77	4.0
West South Central . . . . .	11,389	1,343	9,062	7,267	117.91	0.80	0.64	6.75	5.41	3.6
Mountain . . . . .	6,128	631	3,787	3,037	102.92	0.62	0.50	6.00	4.82	4.7
Pacific . . . . .	18,927	1,743	10,641	8,534	92.11	0.56	0.45	6.10	4.90	3.2
Type of Home										
Mobile Home . . . . .	3,695	598	4,422	3,547	161.81	1.20	0.96	7.40	5.93	5.2
Single-Family										
Detached . . . . .	14,212	10,662	74,206	59,513	93.35	0.65	0.52	6.96	5.58	1.6
Single-Family										
Attached . . . . .	5,848	479	3,855	3,092	81.87	0.66	0.53	8.05	6.46	8.1
2 to 4 Units . . . . .	10,507	1,278	10,249	8,220	121.61	0.98	0.78	8.02	6.43	3.7
5 or More Units . . . . .	9,939	1,266	10,779	8,645	127.37	1.08	0.87	8.51	6.83	4.7
Building Floorspace (square feet)										
Fewer than 1,001 . . . . .	7,903	1,323	9,438	7,570	167.45	1.19	0.96	7.13	5.72	3.4
1,001 to 2,000 . . . . .	38,104	4,603	32,053	25,707	120.79	0.84	0.67	6.96	5.59	2.2
2,001 to 5,000 . . . . .	79,655	6,694	48,411	38,826	84.04	0.61	0.49	7.23	5.80	1.9
5,001 to 10,000 . . . . .	11,645	880	6,621	5,310	75.58	0.57	0.46	7.52	6.03	5.0
10,001 to 25,000 . . . . .	3,946	419	3,338	2,678	106.23	0.85	0.68	7.96	6.39	7.1
25,001 to 50,000 . . . . .	1,182	152	1,498	1,202	128.90	1.27	1.02	9.84	7.89	14.1
50,001 to 100,000 . . . . .	986	107	1,099	881	109.00	1.11	0.89	10.23	8.20	15.2
100,001 to 200,000 . . . . .	434	61	617	495	139.98	1.42	1.14	10.17	8.16	15.8
Over 200,000 . . . . .	346	43	Q	Q	123.12	1.26	1.01	10.20	8.18	26.9
Year Constructed										
1939 or Before . . . . .	44,357	4,205	31,996	25,660	94.79	0.72	0.58	7.61	6.10	2.7
1940 to 1949 . . . . .	11,133	1,165	8,368	6,711	104.63	0.75	0.60	7.18	5.76	4.1
1950 to 1959 . . . . .	23,300	2,322	16,411	13,161	99.66	0.70	0.56	7.07	5.67	2.8
1960 to 1969 . . . . .	26,662	2,832	20,572	16,498	106.21	0.77	0.62	7.26	5.83	3.1
1970 to 1979 . . . . .	35,688	3,469	24,245	19,445	97.20	0.68	0.54	6.99	5.61	2.9
1980 to 1981 . . . . .	3,060	291	1,921	1,540	94.98	0.63	0.50	6.61	5.30	7.4

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 R8.81s. Total and Average Site Consumption and Expenditures for All Major Energy Sources in Residential Buildings, 1981**

Building Characteristics	Total				Average					RSE Row Fac- tors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1981 Dollars		1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
RSE Column Factors:	1.4	1.4	1.3	1.3	1.0	0.8	0.8	0.7	0.7	
All Buildings . . . . .	144,201	9,288	103,512	83,016	64.41	0.72	0.58	11.14	8.94	1.4
Census Region										
Northeast . . . . .	35,083	2,359	30,517	24,475	67.25	0.87	0.70	12.93	10.37	2.2
Midwest . . . . .	41,473	3,095	27,358	21,941	74.62	0.66	0.53	8.84	7.09	2.4
South . . . . .	42,589	2,410	31,209	25,030	56.59	0.73	0.59	12.95	10.39	3.2
West . . . . .	25,055	1,424	14,428	11,571	56.85	0.58	0.46	10.13	8.12	2.4
Census Division										
New England . . . . .	8,343	528	7,358	5,901	63.33	0.88	0.71	13.93	11.17	3.6
Middle Atlantic . . . . .	26,741	1,831	23,159	18,574	68.47	0.87	0.69	12.65	10.14	2.8
East North Central . . . . .	28,134	2,227	19,409	15,566	79.17	0.69	0.55	8.71	6.99	3.3
West North Central . . . . .	13,339	867	7,949	6,375	65.01	0.60	0.48	9.17	7.35	5.2
South Atlantic . . . . .	21,940	1,112	15,922	12,770	50.70	0.73	0.58	14.31	11.48	5.5
East South Central . . . . .	9,261	524	6,226	4,993	56.63	0.67	0.54	11.87	9.52	4.6
West South Central . . . . .	11,389	773	9,062	7,267	67.91	0.80	0.64	11.72	9.40	4.5
Mountain . . . . .	6,128	406	3,787	3,037	66.22	0.62	0.50	9.33	7.48	4.4
Pacific . . . . .	18,927	1,019	10,641	8,534	53.81	0.56	0.45	10.45	8.38	3.2
Type of Home										
Mobile Home . . . . .	3,695	339	4,422	3,547	91.67	1.20	0.96	13.05	10.47	6.3
Single-Family										
Detached . . . . .	114,212	6,906	74,206	59,513	60.47	0.65	0.52	10.74	8.62	1.8
Single-Family										
Attached . . . . .	5,848	322	3,855	3,092	55.07	0.66	0.53	11.97	9.60	9.0
2 to 4 Units . . . . .	10,507	924	10,249	8,220	87.91	0.98	0.78	11.10	8.90	3.8
5 or More Units . . . . .	9,939	798	10,779	8,645	80.26	1.08	0.87	13.51	10.84	5.2
Building Floorspace (square feet)										
Fewer than 1,001 . . . . .	7,903	816	9,438	7,570	103.27	1.19	0.96	11.57	9.28	3.9
1,001 to 2,000 . . . . .	38,104	2,864	32,053	25,707	75.16	0.84	0.67	11.19	8.98	2.3
2,001 to 5,000 . . . . .	79,655	4,510	48,411	38,826	56.62	0.61	0.49	10.73	8.61	2.1
5,001 to 10,000 . . . . .	11,645	614	6,621	5,310	52.74	0.57	0.46	10.78	8.65	5.2
10,001 to 25,000 . . . . .	3,946	254	3,338	2,677	64.28	0.85	0.68	13.16	10.56	8.4
25,001 to 50,000 . . . . .	1,182	88	1,498	1,202	74.72	1.27	1.02	16.97	13.61	16.4
50,001 to 100,000 . . . . .	986	71	1,099	881	72.45	1.11	0.89	15.38	12.34	18.1
100,001 to 200,000 . . . . .	434	41	617	495	94.27	1.42	1.14	15.10	12.11	18.8
Over 200,000 . . . . .	346	30	Q	Q	85.33	1.26	1.01	14.72	11.80	29.4
Year Constructed										
1939 or Before . . . . .	44,357	3,126	31,996	25,660	70.48	0.72	0.58	10.23	8.21	3.0
1940 to 1949 . . . . .	11,133	784	8,368	6,711	70.40	0.75	0.60	10.68	8.56	4.3
1950 to 1959 . . . . .	23,300	1,578	16,411	13,161	67.74	0.70	0.56	10.40	8.34	3.1
1960 to 1969 . . . . .	26,662	1,808	20,572	16,498	67.81	0.77	0.62	11.38	9.13	3.4
1970 to 1979 . . . . .	35,688	1,862	24,245	19,445	52.17	0.68	0.54	13.02	10.44	3.2
1980 to 1981 . . . . .	3,060	130	1,921	1,540	42.55	0.63	0.50	14.75	11.83	8.4

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 R9.81p. Total and Average Primary Consumption and Expenditures for Electricity in Residential Buildings, 1981**

Building Characteristics	Total				Average					RSE Row Fac- tors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1981 Dollars		1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
RSE Column Factors:	1.2	1.5	1.3	1.3	1.1	0.9	0.9	0.6	0.6	
All Buildings . . . . .	144,183	7,414	55,855	44,796	51.42	0.39	0.31	7.53	6.04	1.7
Census Region										
Northeast . . . . .	35,083	1,216	12,549	10,064	34.66	0.36	0.29	10.32	8.28	3.3
Midwest . . . . .	41,473	1,708	12,473	10,003	41.19	0.30	0.24	7.30	5.86	3.6
South . . . . .	42,582	3,080	21,641	17,356	72.32	0.51	0.41	7.03	5.64	2.8
West . . . . .	25,045	1,410	9,193	7,372	56.29	0.37	0.29	6.52	5.23	3.4
Census Division										
New England . . . . .	8,343	278	2,825	2,265	33.38	0.34	0.27	10.14	8.14	4.7
Middle Atlantic . . . . .	26,741	938	9,724	7,799	35.06	0.36	0.29	10.37	8.32	4.0
East North Central . . . . .	28,134	1,110	8,406	6,742	39.45	0.30	0.24	7.57	6.07	5.4
West North Central . . . . .	13,339	598	4,067	32,622	44.87	0.30	0.24	6.80	5.45	5.8
South Atlantic . . . . .	21,932	1,458	10,793	8,656	66.49	0.49	0.39	7.40	5.94	4.9
East South Central . . . . .	9,261	776	4,627	3,711	83.77	0.50	0.40	5.96	4.78	4.8
West South Central . . . . .	11,389	845	6,220	4,989	74.24	0.55	0.44	7.36	5.90	4.5
Mountain . . . . .	6,117	334	2,203	1,767	54.57	0.36	0.29	6.60	5.29	9.6
Pacific . . . . .	18,927	1,076	6,990	5,606	56.84	0.37	0.30	6.50	5.21	4.0
Type of Home										
Mobile Home . . . . .	3,693	385	2,684	2,153	104.20	0.73	0.58	6.98	5.60	6.3
Single-Family										
Detached . . . . .	14,199	5,576	40,721	32,658	48.82	0.36	0.29	7.30	5.86	2.1
Single-Family										
Attached . . . . .	5,846	233	1,988	1,594	39.79	0.34	0.27	8.55	6.85	10.8
2 to 4 Units . . . . .	10,507	526	4,521	3,626	50.02	0.43	0.35	8.60	6.90	4.6
5 or More Units . . . . .	9,939	695	5,942	4,765	69.94	0.60	0.48	8.55	6.85	4.9
Building Floorspace (square feet)										
Fewer than 1,001 . . . . .	7,884	753	5,480	4,395	95.49	0.70	0.56	7.28	5.84	3.6
1,001 to 2,000 . . . . .	38,104	2,581	18,811	15,086	67.73	0.49	0.40	7.29	5.85	2.5
2,001 to 5,000 . . . . .	79,655	3,242	24,545	19,685	40.70	0.31	0.25	7.57	6.07	2.6
5,001 to 10,000 . . . . .	11,645	395	3,072	2,464	33.91	0.26	0.21	7.78	6.24	5.7
10,001 to 25,000 . . . . .	3,946	246	1,951	1,565	62.27	0.49	0.40	7.94	6.37	9.6
25,001 to 50,000 . . . . .	1,182	95	924	741	80.43	0.78	0.63	9.72	7.79	17.2
50,001 to 100,000 . . . . .	986	53	559	448	54.25	0.57	0.45	10.45	8.38	17.8
100,001 to 200,000 . . . . .	434	29	313	251	67.86	0.72	0.58	10.65	8.54	22.3
Over 200,000 . . . . .	346	19	201	161	56.11	0.58	0.47	10.34	8.29	34.4
Year Constructed										
1939 or Before . . . . .	44,342	1,601	13,067	10,479	36.10	0.29	0.24	8.16	6.55	3.1
1940 to 1949 . . . . .	11,133	566	4,246	3,405	50.82	0.38	0.31	7.50	6.02	5.3
1950 to 1959 . . . . .	23,300	1,104	8,491	6,810	47.38	0.36	0.29	7.69	6.17	3.2
1960 to 1969 . . . . .	26,659	1,520	11,667	9,357	57.00	0.44	0.35	7.68	6.16	3.6
1970 to 1979 . . . . .	35,688	2,385	16,785	13,462	66.84	0.47	0.38	7.04	5.64	3.4
1980 to 1981 . . . . .	3,060	238	1,599	1,283	77.84	0.52	0.42	6.71	5.38	8.3

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 R9.81s. Total and Average Site Consumption and Expenditures for Electricity in Residential Buildings, 1981**

Building Characteristics	Total				Average					RSE Row Fac- tors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1981 Dollars		1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
RSE Column Factors:	1.2	1.5	1.3	1.3	1.1	0.9	0.9	0.6	0.6	
All Buildings . . . . .	144,183	2,420	55,855	44,796	16.78	0.39	0.31	23.08	18.51	1.7
Census Region										
Northeast . . . . .	35,083	397	12,549	10,064	11.31	0.36	0.29	31.62	25.36	3.3
Midwest . . . . .	41,473	558	12,473	10,003	13.44	0.30	0.24	22.37	17.94	3.6
South . . . . .	42,582	1,005	21,641	17,356	23.60	0.51	0.41	21.53	17.27	2.8
West . . . . .	25,045	460	9,193	7,372	18.37	0.37	0.29	19.98	16.02	3.4
Census Division										
New England . . . . .	8,343	91	2,825	2,265	10.89	0.34	0.27	31.08	24.93	4.7
Middle Atlantic . . . . .	26,741	306	9,724	7,799	11.44	0.36	0.29	31.78	25.49	4.0
East North Central . . . . .	28,134	362	8,406	6,742	12.88	0.30	0.24	23.20	18.61	5.4
West North Central . . . . .	13,339	195	4,067	3,262	14.64	0.30	0.24	20.82	16.70	5.8
South Atlantic . . . . .	21,932	476	10,793	8,656	21.70	0.49	0.39	22.68	18.19	4.9
East South Central . . . . .	9,261	253	4,627	3,711	27.34	0.50	0.40	18.27	14.66	4.8
West South Central . . . . .	11,389	276	6,220	4,989	24.23	0.55	0.44	22.54	18.08	4.5
Mountain . . . . .	6,117	109	2,203	1,767	17.81	0.36	0.29	20.22	16.21	9.6
Pacific . . . . .	18,927	351	6,990	5,606	18.55	0.37	0.30	19.91	15.96	4.0
Type of Home										
Mobile Home . . . . .	3,693	126	2,684	2,153	34.01	0.73	0.58	21.38	17.14	6.3
Single-Family										
Detached . . . . .	114,199	1,820	40,721	32,658	15.93	0.36	0.29	22.38	17.95	2.1
Single-Family										
Attached . . . . .	5,846	76	1,988	1,594	12.99	0.34	0.27	26.18	21.00	10.8
2 to 4 Units . . . . .	10,507	172	4,521	3,626	16.33	0.43	0.35	26.36	21.14	4.6
5 or More Units . . . . .	9,939	227	5,942	4,765	22.83	0.60	0.48	26.19	21.00	4.9
Building Floorspace (square feet)										
Fewer than 1,001 . . . . .	7,884	246	5,480	4,395	31.17	0.70	0.56	22.30	17.89	3.6
1,001 to 2,000 . . . . .	38,104	842	18,811	15,086	22.11	0.49	0.40	22.33	17.91	2.5
2,001 to 5,000 . . . . .	79,655	1,058	24,545	19,685	13.28	0.31	0.25	23.20	18.60	2.6
5,001 to 10,000 . . . . .	11,645	129	3,072	2,464	11.07	0.26	0.21	23.84	19.12	5.7
10,001 to 25,000 . . . . .	3,946	80	1,951	1,565	20.32	0.49	0.40	24.33	19.51	9.6
25,001 to 50,000 . . . . .	1,182	31	924	741	26.25	0.78	0.63	29.78	23.88	17.2
50,001 to 100,000 . . . . .	986	17	559	448	17.70	0.57	0.45	32.01	25.67	17.8
100,001 to 200,000 . . . . .	434	10	313	251	22.15	0.72	0.58	32.62	26.16	22.3
Over 200,000 . . . . .	346	6	201	161	18.31	0.58	0.47	31.69	25.41	7.2
Year Constructed										
1939 or Before . . . . .	44,342	522	13,067	10,479	11.78	0.29	0.24	25.01	20.06	3.1
1940 to 1949 . . . . .	11,133	185	4,246	3,405	16.58	0.38	0.31	22.99	18.44	5.3
1950 to 1959 . . . . .	23,300	360	8,491	6,810	15.46	0.36	0.29	23.57	18.90	3.2
1960 to 1969 . . . . .	26,659	496	11,667	9,357	18.60	0.44	0.35	23.52	18.87	3.6
1970 to 1979 . . . . .	35,688	779	16,785	13,462	21.81	0.47	0.38	21.56	17.29	3.4
1980 to 1981 . . . . .	3,060	78	1,599	1,283	25.41	0.52	0.42	20.57	16.50	8.3

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 R10.81. Total and Average Consumption and Expenditures for Natural Gas in Residential Buildings, 1981**

Building Characteristics	Total				Average					RSE Row Fac- tors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1981 Dollars		1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
RSE Column Factors:	1.6	1.7	1.6	1.6	1.0	0.9	0.9	0.4	0.4	
All Buildings . . . . .	92,768	5,273	29,959	24,027	56.84	0.32	0.26	5.68	4.56	2.1
Census Region										
Northeast . . . . .	20,232	1,007	7,258	5,821	49.75	0.36	0.29	7.21	5.78	6.4
Midwest . . . . .	31,952	2,223	11,581	9,288	69.58	0.36	0.29	5.21	4.18	3.1
South . . . . .	22,242	1,148	6,632	5,319	51.62	0.30	0.24	5.78	4.63	4.9
West . . . . .	18,341	895	4,488	3,599	48.80	0.24	0.20	5.01	4.02	2.8
Census Division										
New England . . . . .	3,345	169	1,498	1,202	50.53	0.45	0.36	8.86	7.11	8.1
Middle Atlantic . . . . .	16,888	838	5,760	4,619	49.60	0.34	0.27	6.88	5.52	7.4
East North Central . . . . .	22,241	1,667	8,836	7,086	74.94	0.40	0.32	5.30	4.25	3.4
West North Central . . . . .	9,711	556	2,745	2,202	57.30	0.28	0.23	4.93	3.96	6.6
South Atlantic . . . . .	9,142	448	2,929	2,349	48.98	0.32	0.26	6.54	5.25	7.5
East South Central . . . . .	4,365	236	1,216	975	54.02	0.28	0.22	5.15	4.13	5.1
West South Central . . . . .	8,735	465	2,488	1,995	53.19	0.28	0.23	5.35	4.29	6.0
Mountain . . . . .	4,654	278	1,397	1,120	59.78	0.30	0.24	5.02	4.03	5.2
Pacific . . . . .	13,687	617	3,091	2,479	45.07	0.23	0.18	5.01	4.02	3.1
Type of Home										
Mobile Home . . . . .	1,233	118	644	516	95.46	0.52	0.42	5.47	4.39	11.4
Single-Family										
Detached . . . . .	72,406	4,056	22,096	17,721	56.02	0.31	0.24	5.45	4.37	2.3
Single-Family										
Attached . . . . .	4,180	192	1,262	1,012	45.84	0.30	0.24	6.59	5.28	8.4
2 to 4 Units . . . . .	8,494	579	3,795	3,044	68.11	0.45	0.36	6.57	5.26	5.1
5 or More Units . . . . .	6,455	329	2,162	1,734	50.95	0.33	0.27	5.41	5.27	6.8
Building Floorspace (square feet)										
Fewer than 1,001 . . . . .	4,196	428	2,316	1,858	101.95	0.55	0.44	5.41	4.34	4.7
1,001 to 2,000 . . . . .	24,903	1,653	9,142	7,332	66.38	0.37	0.29	5.53	4.44	2.6
2,001 to 5,000 . . . . .	51,255	2,671	15,261	12,239	52.10	0.30	0.24	5.71	4.58	3.0
5,001 to 10,000 . . . . .	8,202	346	2,007	1,609	42.18	0.24	0.20	5.80	4.65	6.8
10,001 to 25,000 . . . . .	2,420	114	734	589	47.30	0.30	0.24	6.41	5.14	9.0
25,001 to 50,000 . . . . .	646	23	191	153	34.97	0.30	0.24	8.45	6.78	30.1
50,001 to 100,000 . . . . .	525	17	135	108	32.98	0.26	0.21	7.78	6.24	28.4
100,001 to 200,000 . . . . .	337	11	78	63	32.12	0.23	0.19	7.23	5.80	28.2
Over 200,000 . . . . .	285	11	95	76	37.37	0.33	0.27	8.94	7.17	35.2
Year Constructed										
1939 or Before . . . . .	31,575	1,893	11,063	8,873	59.94	0.35	0.28	5.85	4.69	3.5
1940 to 1949 . . . . .	7,498	466	2,635	2,113	62.12	0.35	0.28	5.66	4.54	4.5
1950 to 1959 . . . . .	17,047	977	5,241	4,203	57.32	0.31	0.25	5.36	4.30	4.1
1960 to 1969 . . . . .	18,243	1,049	6,007	4,818	57.49	0.33	0.26	5.73	4.59	4.0
1970 to 1979 . . . . .	17,306	844	4,770	3,825	48.77	0.28	0.22	5.65	4.53	4.5
1980 to 1981 . . . . .	1,099	45	243	195	40.91	0.22	0.18	5.40	4.33	14.1

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 R11.81. Total and Average Consumption and Expenditures for Fuel Oil<sup>1</sup> in Residential Buildings, 1981**

Building Characteristics	Total				Average					RSE Row Fac- tors
	Floorspace (million sq.ft.)	Consumption (trillion Btu)	Expenditures (million dollars)		Consumption (thousand Btu per sq.ft.)	Expenditures (dollars per sq.ft.)		Expenditures (dollars per million Btu)		
			1987 Dollars	1981 Dollars		1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
RSE Column Factors:	2.4	2.4	2.4	2.4	1.6	1.6	1.6	0.1	0.1	
All Buildings	28,875	1,281	14,199	11,387	44.38	0.49	0.39	11.08	8.89	2.1
Census Region										
Northeast	17,979	925	10,287	8,250	51.46	0.57	0.46	11.12	8.92	2.4
Midwest	5,070	185	2,013	1,614	36.52	0.40	0.32	10.87	8.72	6.2
South	4,654	140	1,554	1,247	29.97	0.33	0.27	11.14	8.94	9.5
West	1,171	32	344	276	26.93	0.29	0.24	10.91	8.75	7.7
Census Division										
New England	5,136	258	2,890	2,318	50.23	0.56	0.45	11.20	8.98	3.2
Middle Atlantic	12,842	667	7,397	5,933	51.95	0.58	0.46	11.09	8.89	3.0
East North Central	3,800	134	1,465	1,175	35.36	0.39	0.31	10.90	8.74	8.0
West North Central	1,270	51	548	440	39.98	0.43	0.35	10.79	8.66	13.4
South Atlantic	4,165	124	1,382	1,108	29.68	0.33	0.27	11.18	8.96	10.6
East South Central	464	14	157	126	31.19	0.34	0.27	10.85	8.70	16.7
West South Central	Q	Q	Q	Q	Q	Q	Q	11.05	8.86	0.0
Mountain	Q	Q	Q	Q	Q	Q	Q	10.72	8.60	20.7
Pacific	1,014	28	304	244	27.45	0.30	0.24	10.93	8.77	8.0
Type of Home										
Mobile Home	529	37	420	337	69.81	0.80	0.64	11.39	9.14	9.3
Single-Family										
Detached	22,712	781	8,647	6,935	34.39	0.38	0.31	11.07	8.88	2.5
Single-Family										
Attached	1,364	54	602	483	39.82	0.44	0.35	11.09	8.89	17.4
2 to 4 Units	2,121	167	1,855	1,488	78.85	0.87	0.70	11.09	8.90	6.8
5 or More Units	2,149	242	2,674	2,145	112.53	1.24	1.00	11.06	8.87	5.5
Building Floorspace (square feet)										
Fewer than 1,001	1,030	75	847	679	72.80	0.82	0.66	11.30	9.06	6.5
1,001 to 2,000	4,594	240	2,674	2,144	52.34	0.58	0.47	11.12	8.92	6.6
2,001 to 5,000	17,946	669	7,402	5,936	37.29	0.41	0.33	11.06	8.87	2.8
5,001 to 10,000	3,625	135	1,486	1,192	37.17	0.41	0.33	11.03	8.84	6.0
10,001 to 25,000	656	58	636	510	87.72	0.97	0.78	11.07	8.88	10.4
25,001 to 50,000	Q	Q	Q	Q	98.93	1.09	0.88	11.06	8.87	3.6
50,001 to 100,000	377	37	406	325	97.25	1.08	0.86	11.06	8.87	17.5
100,001 to 200,000	160	20	226	181	127.55	1.41	1.13	11.04	8.86	9.0
Over 200,000	Q	Q	Q	Q	92.04	1.02	0.82	11.05	8.86	16.5
Year Constructed										
1939 or Before	12,351	580	6,442	5,167	46.95	0.52	0.42	11.11	8.91	3.8
1940 to 1949	2,545	115	1,266	1,015	45.14	0.50	0.40	11.02	8.84	5.6
1950 to 1959	5,333	223	2,456	1,970	41.72	0.46	0.37	11.04	8.85	4.5
1960 to 1969	4,067	215	2,378	1,907	52.91	0.58	0.47	11.05	8.86	3.7
1970 to 1979	4,489	147	1,631	1,308	32.65	0.36	0.29	11.13	8.92	5.7
1980 to 1981	Q	Q	Q	Q	25.59	0.28	0.23	11.02	8.84	14.9

<sup>1</sup> Includes kerosene.  
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 R12A.81p. Total Primary Consumption and Number of Buildings for All End Uses by Energy Source in Residential Buildings, 1981**

Building Characteristics		Energy Sources											RSE Row Fac- tors	
		All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
		Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)		Con- sump- tion (trillion Btu)
RSE Column Factors:		0.5	0.5	0.5	0.7	0.8	0.9	1.5	1.6			2.2	2.5	
All Buildings . . . . .		66,196	14,283	66,174	7,414	41,636	5,273	11,062	1,281			7,224	314	3.3
Census Region														
Northeast . . . . .		12,178	3,179	12,178	1,216	6,900	1,007	5,897	925			1,067	31	7.4
Midwest . . . . .		17,462	4,245	17,462	1,708	13,081	2,223	2,151	185			2,065	129	5.6
South . . . . .		23,534	4,485	23,534	3,080	12,216	1,148	2,510	139			3,380	117	6.7
West . . . . .		13,022	2,374	13,000	1,410	9,438	895	504	32			711	38	7.2
Census Division														
New England . . . . .		2,932	716	2,932	278	1,123	169	1,747	258			413	Q	10.1
Middle Atlantic . . . . .		9,246	2,463	9,246	938	5,776	838	4,150	667			653	Q	8.3
East North Central . . . . .		12,039	2,975	12,039	1,110	9,251	1,667	1,708	134			1,161	64	9.5
West North Central . . . . .		5,423	1,270	5,423	598	3,830	556	443	51			905	65	13.3
South Atlantic . . . . .		11,325	2,095	11,325	1,458	4,099	448	2,219	124			2,129	65	10.0
East South Central . . . . .		5,085	1,047	5,085	776	2,395	236	262	14			585	21	12.2
West South Central . . . . .		7,124	1,343	7,124	845	5,722	465	Q	Q			666	31	9.4
Mountain . . . . .		3,411	631	3,390	334	2,569	278	Q	Q			218	Q	13.8
Pacific . . . . .		9,610	1,743	9,610	1,076	6,870	617	421	28			493	23	8.5
Type of Home														
Mobile Home . . . . .		4,198	598	4,187	385	1,319	118	714	37			1,752	59	14.4
Single-Family														
Detached . . . . .		54,561	10,662	54,555	5,576	34,812	4,056	8,913	781			5,380	249	4.0
Single-Family														
Attached . . . . .		3,005	479	3,000	233	2,128	192	596	54			Q	Q	21.5
2 to 4 Units . . . . .		3,480	1,278	3,480	526	2,738	579	670	167			65	Q	11.2
5 or More Units . . . . .		953	1,266	953	695	639	329	169	242			Q	Q	12.3
Building Floorspace (square feet)														
Fewer than 1,001 . . . . .		10,257	1,323	10,236	753	5,329	428	1,369	75			2,359	68	9.2
1,001 to 2,000 . . . . .		25,913	4,603	25,913	2,581	16,814	1,653	2,990	240			2,632	128	5.9
2,001 to 5,000 . . . . .		27,861	6,694	27,861	3,242	18,007	2,671	6,089	669			2,090	112	5.5
5,001 to 10,000 . . . . .		1,816	880	1,816	395	1,271	346	557	135			133	5	13.4
10,001 to 25,000 . . . . .		296	419	296	246	185	114	41	58			Q	Q	21.0
25,001 to 50,000 . . . . .		34	152	34	95	18	23	Q	Q			Q	Q	45.6
50,001 to 100,000 . . . . .		14	107	14	53	8	17	6	37			*	*	32.2
100,001 to 200,000 . . . . .		3	61	3	29	3	11	1	20			*	*	28.8
Over 200,000 . . . . .		1	43	1	19	1	11	Q	Q			*	*	69.2
Year Constructed														
1939 or Before . . . . .		19,005	4,205	18,995	1,601	13,216	1,893	4,378	580			2,477	131	7.1
1940 to 1949 . . . . .		6,048	1,165	6,048	566	4,214	466	1,054	115			474	18	11.3
1950 to 1959 . . . . .		11,671	2,322	11,671	1,104	8,496	977	2,094	223			690	19	8.0
1960 to 1969 . . . . .		12,525	2,832	12,514	1,520	8,318	1,049	1,616	215			1,265	48	8.0
1970 to 1979 . . . . .		15,442	3,469	15,442	2,385	6,914	844	1,868	147			2,189	93	8.0
1980 to 1981 . . . . .		1,505	291	1,505	238	478	45	51	Q			128	5	22.0

<sup>1</sup> Kerosene combined with fuel oil.

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

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 R12A.81s. Total Site Consumption and Number of Buildings for All End Uses by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	
	0.5	0.6	0.5	0.7	0.8	0.9	1.5	1.5			2.2	2.4	
RSE Column Factors:	0.5	0.6	0.5	0.7	0.8	0.9	1.5	1.5			2.2	2.4	
All Buildings	66,196	9,288	66,174	2,420	41,636	5,273	11,062	1,281			7,224	314	3.4
Census Region													
Northeast	12,178	2,359	12,178	397	6,900	1,007	5,897	925			1,067	31	7.7
Midwest	17,462	3,095	17,462	558	13,081	2,223	2,151	185			2,065	129	5.7
South	23,534	2,410	23,534	1,005	12,216	1,148	2,510	139			3,380	117	6.9
West	13,022	1,424	13,000	460	9,438	895	504	32			711	38	7.3
Census Division													
New England	2,932	528	2,932	91	1,123	169	1,747	258			413	Q	10.3
Middle Atlantic	9,246	1,831	9,246	306	5,776	838	4,150	667			653	Q	8.7
East North Central	12,039	2,227	12,039	362	9,251	1,667	1,708	134			1,161	64	9.4
West North Central	5,423	867	5,423	195	3,830	556	443	51			905	65	13.4
South Atlantic	11,325	1,112	11,325	476	4,099	448	2,219	124			2,129	65	10.6
East South Central	5,085	524	5,085	253	2,395	236	262	14			585	21	12.5
West South Central	7,124	773	7,124	276	5,722	465	Q	Q			666	31	9.1
Mountain	3,411	406	3,390	109	2,569	278	Q	Q			218	Q	13.3
Pacific	9,610	1,019	9,610	351	6,870	617	421	28			493	23	8.6
Type of Home													
Mobile Home	4,198	339	4,187	126	1,319	118	714	37			1,752	59	14.5
Single-Family													
Detached	54,561	6,906	54,555	1,820	34,812	4,056	8,913	781			5,380	249	4.0
Single-Family													
Attached	3,005	322	3,000	76	2,128	192	596	54			Q	Q	21.7
2 to 4 Units	3,480	924	3,480	172	2,738	579	670	167			65	Q	11.3
5 or More Units	953	798	953	227	639	329	169	242			Q	Q	12.6
Building Floorspace (square feet)													
Fewer than 1,001	10,257	816	10,236	246	5,329	428	1,369	75			2,359	68	9.3
1,001 to 2,000	25,913	2,864	25,913	842	16,814	1,653	2,990	240			2,632	128	5.9
2,001 to 5,000	27,861	4,510	27,861	1,058	18,007	2,671	6,089	669			2,090	112	5.5
5,001 to 10,000	1,816	614	1,816	129	1,271	346	557	135			133	5	13.5
10,001 to 25,000	296	254	296	80	185	114	41	58			Q	Q	20.9
25,001 to 50,000	34	88	34	31	18	23	Q	Q			Q	Q	46.5
50,001 to 100,000	14	71	14	17	8	17	6	37			*	*	32.3
100,001 to 200,000	3	41	3	10	3	11	1	20			*	*	27.6
Over 200,000	1	30	1	6	1	11	Q	Q			*	*	74.0
Year Constructed													
1939 or Before	19,005	3,126	18,995	522	13,216	1,893	4,378	580			2,477	131	7.1
1940 to 1949	6,048	784	6,048	185	4,214	466	1,054	115			474	18	11.2
1950 to 1959	11,671	1,578	11,671	360	8,496	977	2,094	223			690	19	8.0
1960 to 1969	12,525	1,808	12,514	496	8,318	1,049	1,616	215			1,265	48	8.0
1970 to 1979	15,442	1,862	15,442	779	6,914	844	1,868	147			2,189	93	8.1
1980 to 1981	1,505	130	1,505	78	478	45	51	Q			128	5	22.1

<sup>1</sup> Kerosene combined with fuel oil.

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

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 R12B.81p. Total Primary Consumption and Floorspace for All End Uses by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	
	0.5	0.5	0.5	0.7	0.8	0.9	1.5	1.5			2.3	2.4	
RSE Column Factors:	0.5	0.5	0.5	0.7	0.8	0.9	1.5	1.5			2.3	2.4	
All Buildings . . . . .	144,191	14,283	144,183	7,414	92,768	5,273	28,875	1,281			12,151	314	3.4
Census Region													
Northeast . . . . .	35,083	3,179	35,083	1,216	20,232	1,007	17,979	925			2,694	31	7.0
Midwest . . . . .	41,473	4,245	41,473	1,708	31,952	2,223	5,070	185			3,981	129	5.8
South . . . . .	42,582	4,485	42,582	3,080	22,242	1,148	4,654	139			4,371	117	7.8
West . . . . .	25,053	2,374	25,045	1,410	18,341	895	1,171	32			1,105	38	6.4
Census Division													
New England . . . . .	8,343	716	8,343	278	3,345	169	5,136	258			986	Q	10.5
Middle Atlantic . . . . .	26,741	2,463	26,741	938	16,888	838	12,842	667			1,708	Q	7.9
East North Central . . . . .	28,134	2,975	28,134	1,110	22,241	1,667	3,800	134			2,186	64	8.9
West North Central . . . . .	13,339	1,270	13,339	598	9,711	556	1,270	51			1,794	65	13.4
South Atlantic . . . . .	21,932	2,095	21,932	1,458	9,142	448	4,165	124			2,717	65	11.4
East South Central . . . . .	9,261	1,047	9,261	776	4,365	236	464	14			702	21	13.9
West South Central . . . . .	11,389	1,343	11,389	845	8,735	465	Q	Q			952	31	11.0
Mountain . . . . .	6,126	631	6,117	334	4,654	278	Q	Q			Q	Q	14.4
Pacific . . . . .	18,927	1,743	18,927	1,076	13,687	617	1,014	28			759	23	7.5
Type of Home													
Mobile Home . . . . .	3,695	598	3,693	385	1,233	118	529	37			1,453	59	15.1
Single-Family													
Detached . . . . .	114,202	10,662	114,199	5,576	72,406	4,056	22,712	781			10,384	249	4.4
Single-Family													
Attached . . . . .	5,848	479	5,846	233	4,180	192	1,364	54			Q	Q	23.3
2 to 4 Units . . . . .	10,507	1,278	10,507	526	8,494	579	2,121	167			208	Q	11.8
5 or More Units . . . . .	9,939	1,266	9,939	695	6,455	329	2,149	242			Q	Q	13.3
Building Floorspace (square feet)													
Fewer than 1,001 . . . . .	7,893	1,323	71884	753	4,196	428	1,030	75			1,684	68	9.1
1,001 to 2,000 . . . . .	38,104	4,603	38104	2,581	24,903	1,653	4,594	240			3,683	128	5.8
2,001 to 5,000 . . . . .	79,655	6,694	79655	3,242	51,255	2,671	17,946	669			5,889	112	5.5
5,001 to 10,000 . . . . .	11,645	880	11645	395	8,202	346	3,625	135			784	5	13.6
10,001 to 25,000 . . . . .	3,946	419	3946	246	2,420	114	656	58			Q	Q	20.3
25,001 to 50,000 . . . . .	1,182	152	1182	95	646	23	Q	Q			Q	Q	44.8
50,001 to 100,000 . . . . .	986	107	986	53	525	17	377	37			*	*	34.5
100,001 to 200,000 . . . . .	434	61	434	29	337	11	160	20			*	*	30.0
Over 200,000 . . . . .	346	43	346	19	285	11	Q	Q			*	*	69.0
Year Constructed													
1939 or Before . . . . .	44,348	4,205	44342	1,601	31,575	1,893	12,351	580			4,997	131	7.3
1940 to 1949 . . . . .	11,133	1,165	11133	566	7,498	466	2,545	115			825	18	11.7
1950 to 1959 . . . . .	23,300	2,322	23300	1,104	17,047	977	5,333	223			1,108	19	8.4
1960 to 1969 . . . . .	26,662	2,832	26659	1,520	18,243	1,049	4,067	215			1,766	48	8.3
1970 to 1979 . . . . .	35,688	3,469	35688	2,385	17,306	844	4,489	147			3,257	93	8.3
1980 to 1981 . . . . .	3,060	291	3060	238	1,099	45	Q	Q			198	5	21.2

<sup>1</sup> Kerosene combined with fuel oil.  
 \* = Value rounds to zero in the units displayed.  
 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 R12B.81s. Total Site Consumption and Floorspace for All End Uses by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	
	0.5	0.6	0.5	0.7	0.8	0.9	1.5	1.5			2.3	2.4	
RSE Column Factors:	0.5	0.6	0.5	0.7	0.8	0.9	1.5	1.5			2.3	2.4	
All Buildings . . . . .	144,191	9,288	144,183	2,420	92,768	5,273	28,875	1,281			12,151	314	3.5
Census Region													
Northeast . . . . .	35,083	2,359	35,083	397	20,232	1,007	17,979	925			2,694	31	7.3
Midwest . . . . .	41,473	3,095	41,473	558	31,952	2,223	5,070	185			3,981	129	5.8
South . . . . .	42,582	2,410	42,582	1,005	22,242	1,148	4,654	139			4,371	117	8.1
West . . . . .	25,053	1,424	25,045	460	18,341	895	1,171	32			1,105	38	6.5
Census Division													
New England . . . . .	8,343	528	8,343	91	3,345	169	5,136	258			986	Q	10.7
Middle Atlantic . . . . .	26,741	1,831	26,741	306	16,888	838	12,842	667			1,708	Q	8.2
East North Central . . . . .	28,134	2,227	28,134	362	22,241	1,667	3,800	134			2,186	64	8.8
West North Central . . . . .	13,339	867	13,339	195	9,711	556	1,270	51			1,794	65	13.5
South Atlantic . . . . .	21,932	1,112	21,932	476	9,142	448	4,165	124			2,717	65	12.1
East South Central . . . . .	9,261	524	9,261	253	4,365	236	464	14			702	21	14.2
West South Central . . . . .	11,389	773	11,389	276	8,735	465	Q	Q			952	31	10.6
Mountain . . . . .	6,126	406	6,117	109	4,654	278	Q	Q			Q	Q	13.7
Pacific . . . . .	18,927	1,019	18,927	351	13,687	617	1,014	28			759	23	7.6
Type of Home													
Mobile Home . . . . .	3,695	339	3,693	126	1,233	118	529	37			1,453	59	15.2
Single-Family													
Detached . . . . .	114,202	6,906	114,199	1,820	72,406	4,056	22,712	781			10,384	249	4.5
Single-Family													
Attached . . . . .	5,848	322	5,846	76	4,180	192	1,364	54			Q	Q	23.5
2 to 4 Units . . . . .	10,507	924	10,507	172	8,494	579	2,121	167			208	Q	11.9
5 or More Units . . . . .	9,939	798	9,939	227	6,455	329	2,149	242			Q	Q	13.5
Building Floorspace (square feet)													
Fewer than 1,001 . . . . .	7,893	816	7,884	246	4,196	428	1,030	75			1,684	68	9.3
1,001 to 2,000 . . . . .	38,104	2,864	38,104	842	24,903	1,653	4,594	240			3,683	128	5.8
2,001 to 5,000 . . . . .	79,655	4,510	79,655	1,058	51,255	2,671	17,946	669			5,889	112	5.6
5,001 to 10,000 . . . . .	11,645	614	11,645	129	8,202	346	3,625	135			784	5	13.7
10,001 to 25,000 . . . . .	3,946	254	3,946	80	2,420	114	656	58			Q	Q	20.2
25,001 to 50,000 . . . . .	1,182	88	1,182	31	646	23	Q	Q			Q	Q	45.7
50,001 to 100,000 . . . . .	986	71	986	17	525	17	377	37			*	*	34.6
100,001 to 200,000 . . . . .	434	41	434	10	337	11	160	20			*	*	28.8
Over 200,000 . . . . .	346	30	346	6	285	11	Q	Q			*	*	75.8
Year Constructed													
1939 or Before . . . . .	44,348	3,126	44,342	522	31,575	1,893	12,351	580			4,997	131	7.3
1940 to 1949 . . . . .	11,133	784	11,133	185	7,498	466	2,545	115			825	18	11.7
1950 to 1959 . . . . .	23,300	1,578	23,300	360	17,047	977	5,333	223			1,108	19	8.4
1960 to 1969 . . . . .	26,662	1,808	26,659	496	18,243	1,049	4,067	215			1,766	48	8.3
1970 to 1979 . . . . .	35,688	1,862	35,688	779	17,306	844	4,489	147			3,257	93	8.3
1980 to 1981 . . . . .	3,060	130	3,060	78	1,099	45	Q	Q			198	5	21.2

<sup>1</sup> Kerosene combined with fuel oil.  
 \* = Value rounds to zero in the units displayed.  
 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 R13A.81p. Space Heating Primary Consumption and Number of Buildings by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	
	0.5	NF	1.0	NF	0.8	NF	1.3	NF			2.1	NF	
RSE Column Factors:	0.5	NF	1.0	NF	0.8	NF	1.3	NF			2.1	NF	
All Buildings . . . . .	63,402	5,887	17,053	922	38,736	3,692	11,010	1,063			4,379	209	4.3
Census Region													
Northeast . . . . .	11,810	1,600	2,319	159	5,072	708	5,871	721			180	Q	11.9
Midwest . . . . .	17,022	2,213	2,264	193	12,930	1,746	2,150	181			1,322	93	7.3
South . . . . .	22,146	1,272	8,182	341	11,682	720	2,510	130			2,416	81	7.5
West . . . . .	12,423	801	4,287	229	9,052	518	479	30			462	23	8.9
Census Division													
New England . . . . .	2,827	359	764	36	786	116	1,733	204			Q	Q	11.6
Middle Atlantic . . . . .	8,983	1,241	1,555	123	4,287	592	4,138	517			Q	Q	13.2
East North Central . . . . .	11,771	1,609	1,389	116	9,181	1,314	1,707	133			614	45	12.5
West North Central . . . . .	5,252	605	875	76	3,749	432	443	48			708	49	14.8
South Atlantic . . . . .	10,294	633	4,453	160	3,752	314	2,219	115			1,329	44	12.0
East South Central . . . . .	4,744	314	2,273	121	2,370	163	262	14			433	15	13.4
West South Central . . . . .	7,108	325	1,455	60	5,559	243	Q	Q			653	21	11.1
Mountain . . . . .	3,319	263	894	52	2,504	197	Q	Q			161	Q	13.6
Pacific . . . . .	9,104	538	3,393	177	6,549	321	396	27			Q	13	9.1
Type of Home													
Mobile Home . . . . .	4,017	213	1,269	56	1,286	83	714	36			1,179	37	14.5
Single-Family Detached . . . . .	52,060	4,272	13,625	580	33,111	2,842	8,869	682			3,182	168	4.7
Single-Family Attached . . . . .	2,975	196	891	30	1,737	121	596	45			*	*	25.6
2 to 4 Units . . . . .	3,429	640	936	85	2,132	420	667	131			Q	Q	11.9
5 or More Units . . . . .	921	566	332	171	469	226	165	169			*	*	13.6
Building Floorspace (square feet)													
Fewer than 1,001 . . . . .	9,382	457	2,537	72	5,093	273	1,361	70			1,434	42	10.5
1,001 to 2,000 . . . . .	24,952	1,681	7,227	289	15,865	1,092	2,981	208			1,791	91	6.3
2,001 to 5,000 . . . . .	26,960	2,977	6,690	393	16,574	1,947	6,059	565			1,106	73	6.7
5,001 to 10,000 . . . . .	1,772	436	455	66	1,048	259	554	109			Q	3	16.1
10,001 to 25,000 . . . . .	284	182	118	60	145	82	37	40			Q	Q	24.8
25,001 to 50,000 . . . . .	34	59	18	22	7	Q	Q	Q			*	*	50.0
50,001 to 100,000 . . . . .	14	46	Q	9	Q	Q	6	Q			*	*	26.6
100,001 to 200,000 . . . . .	3	28	Q	Q	Q	7	1	14			*	*	33.4
Over 200,000 . . . . .	1	21	Q	Q	1	Q	Q	Q			*	*	77.2
Year Constructed													
1939 or Before . . . . .	17,781	2,111	2,966	124	11,515	1,407	4,354	488			1,392	92	8.1
1940 to 1949 . . . . .	5,664	485	1,469	48	3,884	327	1,027	99			254	12	13.0
1950 to 1959 . . . . .	11,343	935	2,388	84	8,137	657	2,094	183			383	10	9.2
1960 to 1969 . . . . .	12,143	1,063	3,058	162	8,074	698	1,615	171			779	33	9.1
1970 to 1979 . . . . .	15,002	1,194	6,190	444	6,678	571	1,868	121			1,497	59	8.7
1980 to 1981 . . . . .	1,469	99	982	61	449	32	51	Q			75	4	23.7

<sup>1</sup> Kerosene combined with fuel oil.

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

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

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 R13A.81s. Space Heating Site Consumption and Number of Buildings by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	Build- ings (thou- sand)	Con- sump- tion (trillion Btu)	
RSE Column Factors:	0.5	NF	1.0	NF	0.8	NF	1.3	NF			2.1	NF	
All Buildings	63,402	5,265	17,053	301	38,736	3,692	11,010	1,063			4,379	209	4.3
Census Region													
Northeast	11,810	1,493	2,319	52	5,072	708	5,871	721			180	Q	11.9
Midwest	17,022	2,083	2,264	63	12,930	1,746	2,150	181			1,322	93	7.3
South	22,146	1,042	8,182	111	11,682	720	2,510	130			2,416	81	7.5
West	12,423	646	4,287	75	9,052	518	479	30			462	23	8.9
Census Division													
New England	2,827	335	764	12	786	116	1,733	204			Q	Q	11.6
Middle Atlantic	8,983	1,158	1,555	40	4,287	592	4,138	517			Q	Q	13.2
East North Central	11,771	1,530	1,389	38	9,181	1,314	1,707	133			614	45	12.5
West North Central	5,252	553	875	25	3,749	432	443	48			708	49	14.8
South Atlantic	10,294	525	4,453	52	3,752	314	2,219	115			1,329	44	12.0
East South Central	4,744	232	2,273	39	2,370	163	262	14			433	15	13.4
West South Central	7,108	285	1,455	20	5,559	243	Q	Q			653	21	11.1
Mountain	3,319	228	894	17	2,504	197	Q	Q			161	Q	13.6
Pacific	9,104	418	3,393	58	6,549	321	396	27			Q	13	9.1
Type of Home													
Mobile Home	4,017	175	1,269	18	1,286	83	714	36			1,179	37	14.5
Single-Family Detached	52,060	3,882	13,625	189	33,111	2,842	8,869	682			3,182	168	4.7
Single-Family Attached	2,975	176	891	10	1,737	121	596	45			*	*	25.6
2 to 4 Units	3,429	582	936	28	2,132	420	667	131			Q	Q	11.9
5 or More Units	921	451	332	56	469	226	165	169			*	*	13.6
Building Floorspace (square feet)													
Fewer than 1,001	9,382	408	2,537	24	5,093	273	1,361	70			1,434	42	10.5
1,001 to 2,000	24,952	1,486	7,227	94	15,865	1,092	2,981	208			1,791	91	6.3
2,001 to 5,000	26,960	2,713	6,690	128	16,574	1,947	6,059	565			1,106	73	6.7
5,001 to 10,000	1,772	392	455	21	1,048	259	554	109			Q	3	16.1
10,001 to 25,000	284	142	118	19	145	82	37	40			Q	Q	24.8
25,001 to 50,000	34	44	18	7	7	Q	Q	Q			*	*	50.0
50,001 to 100,000	14	40	Q	3	Q	Q	6	Q			*	*	26.6
100,001 to 200,000	3	23	Q	Q	Q	7	1	14			*	*	33.4
Over 200,000	1	Q	Q	Q	1	Q	Q	Q			*	*	77.2
Year Constructed													
1939 or Before	17,781	2,027	2,966	40	11,515	1,407	4,354	488			1,392	92	8.1
1940 to 1949	5,664	453	1,469	16	3,884	327	1,027	99			254	12	13.0
1950 to 1959	11,343	878	2,388	27	8,137	657	2,094	183			383	10	9.2
1960 to 1969	12,143	954	3,058	53	8,074	698	1,615	171			779	33	9.1
1970 to 1979	15,002	895	6,190	145	6,678	571	1,868	121			1,497	59	8.7
1980 to 1981	1,469	58	982	20	449	32	51	Q			75	4	23.7

<sup>1</sup> Kerosene combined with fuel oil.

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

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

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 R13B.81p. Space Heating Primary Consumption and Floorspace by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	
	RSE Column Factors:	0.5	NF	1.0	NF	0.8	NF	1.3	NF			2.1	
All Buildings	139,158	5,887	37,415	922	83,685	3,692	28,724	1,063			6,937	209	4.5
Census Region													
Northeast	34,202	1,600	7,003	159	13,850	708	17,875	721			400	Q	12.0
Midwest	40,616	2,213	5,871	193	31,288	1,746	5,060	181			2,701	93	7.9
South	40,223	1,272	16,170	341	20,987	720	4,654	130			3,043	81	9.1
West	24,117	801	8,371	229	17,559	518	1,135	30			793	23	7.3
Census Division													
New England	8,059	359	2,272	36	2,234	116	5,067	204			Q	Q	11.7
Middle Atlantic	26,143	1,241	4,730	123	11,616	592	12,809	517			Q	Q	12.7
East North Central	27,707	1,609	3,571	116	21,943	1,314	3,789	133			1,244	45	12.0
West North Central	12,909	605	2,300	76	9,345	432	1,270	48			1,458	49	15.5
South Atlantic	20,161	633	8,845	160	8,269	314	4,165	115			1,577	44	13.4
East South Central	8,705	314	4,405	121	4,328	163	464	14			533	15	16.6
West South Central	11,357	325	2,921	60	8,390	243	Q	Q			933	21	13.6
Mountain	5,991	263	1,561	52	4,545	197	Q	Q			Q	Q	12.4
Pacific	18,126	538	6,810	177	13,014	321	977	27			Q	13	6.5
Type of Home													
Mobile Home	3,514	213	1,059	56	1,211	83	529	36			1,014	37	15.2
Single-Family													
Detached	109,895	4,272	28,463	580	68,083	2,842	22,630	682			5,875	168	5.4
Single-Family													
Attached	5,796	196	1,635	30	3,294	121	1,364	45			*	*	27.6
2 to 4 Units	10,313	640	2,426	85	6,881	420	2,078	131			Q	Q	12.8
5 or More Units	9,640	566	3,833	171	4,216	226	2,124	169			*	*	15.5
Building Floorspace (square feet)													
Fewer than 1,001	7,257	457	1,930	72	4,029	273	1,023	70			1,041	42	10.3
1,001 to 2,000	36,749	1,681	10,510	289	23,396	1,092	4,583	208			2,499	91	6.3
2,001 to 5,000	77,095	2,977	19,061	393	47,009	1,947	17,872	565			3,078	73	6.8
5,001 to 10,000	11,332	436	2,952	66	6,682	259	3,609	109			Q	3	16.6
10,001 to 25,000	3,790	182	1,580	60	1,840	82	612	40			Q	Q	23.6
25,001 to 50,000	1,182	59	638	22	227	Q	Q	Q			*	*	48.7
50,001 to 100,000	981	46	Q	9	Q	Q	377	Q			*	*	33.5
100,001 to 200,000	426	28	Q	Q	143	7	160	14			*	*	46.6
Over 200,000	346	21	Q	Q	Q	Q	Q	Q			*	*	
													100.1
Year Constructed													
1939 or Before	42,151	2,111	7,323	124	26,280	1,407	12,267	488			2,764	92	8.9
1940 to 1949	10,415	485	2,613	48	6,760	327	2,488	99			409	12	14.6
1950 to 1959	22,644	935	4,405	84	15,785	657	5,333	183			543	10	10.0
1960 to 1969	26,030	1,063	6,659	162	17,076	698	4,057	171			1,122	33	9.7
1970 to 1979	34,931	1,194	14,489	444	16,760	571	4,489	121			1,965	59	9.6
1980 to 1981	2,988	99	1,925	61	1,023	32	Q	Q			134	4	21.4

<sup>1</sup> Kerosene combined with fuel oil.

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

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

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 R13B.81s. Space Heating Site Consumption and Floorspace by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Sources												RSE Row Fac- tors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		Kerosene <sup>1</sup>		LPG		
	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	Floor- space (million sq.ft.)	Con- sump- tion (trillion Btu)	
	0.5	NF	1.0	NF	0.8	NF	1.3	NF			2.1	NF	
RSE Column Factors:	0.5	NF	1.0	NF	0.8	NF	1.3	NF			2.1	NF	
All Buildings	139,158	5,265	37,415	301	83,685	3,692	28,724	1,063			6,937	209	4.5
Census Region													
Northeast	34,202	1,493	7,003	52	13,850	708	17,875	721			400	Q	12.0
Midwest	40,616	2,083	5,871	63	31,288	1,746	5,060	181			2,701	93	7.9
South	40,223	1,042	16,170	111	20,987	720	4,654	130			3,043	81	9.1
West	24,117	646	8,371	75	17,559	518	1,135	30			793	23	7.3
Census Division													
New England	8,059	335	2,272	12	2,234	116	5,067	204			Q	Q	11.7
Middle Atlantic	26,143	1,158	4,730	40	11,616	592	12,809	517			Q	Q	12.7
East North Central	27,707	1,530	3,571	38	21,943	1,314	3,789	133			1,244	45	12.0
West North Central	12,909	553	2,300	25	9,345	432	1,270	48			1,458	49	15.5
South Atlantic	20,161	525	8,845	52	8,269	314	4,165	115			1,577	44	13.4
East South Central	8,705	232	4,405	39	4,328	163	464	14			533	15	16.6
West South Central	11,357	285	2,921	20	8,390	243	Q	Q			933	21	13.6
Mountain	5,991	228	1,561	17	4,545	197	Q	Q			Q	Q	12.4
Pacific	18,126	418	6,810	58	13,014	321	977	27			Q	13	6.5
Type of Home													
Mobile Home	3,514	175	1,059	18	1,211	83	529	36			1,014	37	15.2
Single-Family Detached	109,895	3,882	28,463	189	68,083	2,842	22,630	682			5,875	168	5.4
Single-Family Attached	5,796	176	1,635	10	3,294	121	1,364	45			*	*	27.6
2 to 4 Units	10,313	582	2,426	28	6,881	420	2,078	131			Q	Q	12.8
5 or More Units	9,640	451	3,833	56	4,216	226	2,124	169			*	*	15.5
Building Floorspace (square feet)													
Fewer than 1,001	7,257	408	1,930	24	4,029	273	1,023	70			1,041	42	10.3
1,001 to 2,000	36,749	1,486	10,510	94	23,396	1,092	4,583	208			2,499	91	6.3
2,001 to 5,000	77,095	2,713	19,061	128	47,009	1,947	17,872	565			3,078	73	6.8
5,001 to 10,000	11,332	392	2,952	21	6,682	259	3,609	109			Q	3	16.6
10,001 to 25,000	3,790	142	1,580	19	1,840	82	612	40			Q	Q	23.6
25,001 to 50,000	1,182	44	638	7	227	Q	Q	Q			*	*	48.7
50,001 to 100,000	981	40	Q	3	Q	Q	377	Q			*	*	33.5
100,001 to 200,000	426	23	Q	Q	143	7	160	14			*	*	46.6
Over 200,000	346	Q	Q	Q	Q	Q	Q	Q			*	*	100.1
Year Constructed													
1939 or Before	42,151	2,027	7,323	40	26,280	1,407	12,267	488			2,764	92	8.9
1940 to 1949	10,415	453	2,613	16	6,760	327	2,488	99			409	12	14.6
1950 to 1959	22,644	878	4,405	27	15,785	657	5,333	183			543	1	10.0
1960 to 1969	26,030	954	6,659	53	17,076	698	4,057	171			1,122	33	9.7
1970 to 1979	34,931	895	14,489	145	16,760	571	4,489	121			1,965	59	9.6
1980 to 1981	2,988	58	1,925	20	1,023	32	Q	Q			134	4	21.4

<sup>1</sup> Kerosene combined with fuel oil.

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

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

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 R14A.81p. Air Conditioning and Appliances Primary Consumption and Number of Buildings by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances								RSE Row Factors
	Electricity		All Major Sources		Electricity		Natural Gas		LPG		
	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	NF	0.6	NF	0.6	NF	1.1	NF	2.7	
All Buildings . . . . .	37,250	1,049	66,196	4,990	66,174	4,513	29,872	427	5,423	49	2.8
Census Region											
Northeast . . . . .	5,697	72	12,178	973	12,178	859	5,952	103	999	11	6.5
Midwest . . . . .	10,212	175	17,462	1,302	17,462	1,168	9,132	122	1,476	13	5.8
South . . . . .	17,399	709	23,534	1,710	23,534	1,574	8,720	116	2,482	20	4.2
West . . . . .	3,943	93	13,022	1,004	13,000	914	6,067	86	467	5	6.9
Census Division											
New England . . . . .	1,153	7	2,932	225	2,932	205	870	16	377	4	10.1
Middle Atlantic . . . . .	4,544	65	9,246	748	9,246	653	5,082	87	623	7	7.7
East North Central . . . . .	6,164	84	12,039	890	12,039	790	6,765	93	846	7	10.1
West North Central . . . . .	4,047	90	5,423	413	5,423	378	2,367	29	630	6	11.2
South Atlantic . . . . .	7,459	275	11,325	796	11,325	747	2,750	36	1,578	13	7.5
East South Central . . . . .	4,185	159	5,085	391	5,085	368	1,359	20	348	3	9.6
West South Central . . . . .	5,754	275	7,124	523	7,124	458	4,611	60	556	4	7.3
Mountain . . . . .	981	32	3,411	230	3,390	214	1,291	14	156	2	13.0
Pacific . . . . .	2,962	61	9,610	774	9,610	699	4,776	72	312	3	8.7
Type of Home											
Mobile Home . . . . .	2,509	49	4,198	220	4,187	196	1,125	12	1,593	12	11.8
Single-Family											
Detached . . . . .	30,770	806	54,561	3,865	54,555	3,513	24,378	318	3,744	35	3.4
Single-Family											
Attached . . . . .	1,753	37	3,005	165	3,000	144	1,887	21	Q	Q	17.6
2 to 4 Units . . . . .	1,647	55	3,480	375	3,480	327	2,082	46	Q	Q	8.3
5 or More Units . . . . .	570	102	953	364	953	333	399	31	Q	Q	11.4
Building Floorspace (square feet)											
Fewer than 1,001 . . . . .	4,981	86	10,257	520	10,236	456	4,213	48	1,936	15	8.4
1,001 to 2,000 . . . . .	14,806	411	25,913	1,707	25,913	1,545	11,823	145	1,902	17	5.0
2,001 to 5,000 . . . . .	16,189	426	27,861	2,271	27,861	2,065	12,839	190	1,482	15	5.0
5,001 to 10,000 . . . . .	1,021	50	1,816	267	1,816	240	859	26	94	Q	14.5
10,001 to 25,000 . . . . .	216	39	296	123	296	114	114	9	Q	Q	20.8
25,001 to 50,000 . . . . .	22	17	34	47	34	42	15	4	Q	Q	40.3
50,001 to 100,000 . . . . .	11	Q	14	29	14	27	7	2	*	*	32.2
100,001 to 200,000 . . . . .	3	4	3	16	3	14	2	1	*	*	33.5
Over 200,000 . . . . .	1	Q	1	11	1	10	Q	Q	*	*	67.0
Year Constructed											
1939 or Before . . . . .	7,956	121	19,005	1,346	18,995	1,180	10,481	148	1,912	18	6.6
1940 to 1949 . . . . .	3,407	74	6,048	415	6,048	369	3,109	43	327	3	10.2
1950 to 1959 . . . . .	6,726	166	11,671	840	11,671	748	6,180	87	441	4	7.3
1960 to 1969 . . . . .	8,018	270	12,525	1,014	12,514	920	5,525	87	914	8	7.2
1970 to 1979 . . . . .	10,304	389	15,442	1,268	15,442	1,192	4,340	60	1,724	16	7.0
1980 to 1981 . . . . .	838	28	1,505	107	1,505	105	237	2	106	1	19.2

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

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

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 R14A.81s. Air Conditioning and Appliances Site Consumption and Number of Buildings by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances								RSE Row Factors
	Electricity		All Major Sources		Electricity		Natural Gas		LPG		
	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	NF	0.6	NF	0.6	NF	1.1	NF	2.7	
All Buildings	37,250	342	66,196	1,950	66,174	1,474	29,872	427	5,423	49	2.8
Census Region											
Northeast	5,697	24	12,178	395	12,178	280	5,952	103	999	11	6.5
Midwest	10,212	57	17,462	516	17,462	381	9,132	122	1,476	13	5.8
South	17,399	231	23,534	650	23,534	514	8,720	116	2,482	20	4.2
West	3,943	30	13,022	389	13,000	298	6,067	86	467	5	6.9
Census Division											
New England	1,153	2	2,932	87	2,932	67	870	16	377	4	10.1
Middle Atlantic	4,544	21	9,246	308	9,246	213	5,082	87	623	7	7.7
East North Central	6,164	28	12,039	358	12,039	258	6,765	93	846	7	10.1
West North Central	4,047	29	5,423	158	5,423	123	2,367	29	630	6	11.2
South Atlantic	7,459	90	11,325	293	11,325	244	2,750	36	1,578	13	7.5
East South Central	4,185	52	5,085	143	5,085	120	1,359	20	348	3	9.6
West South Central	5,754	90	7,124	214	7,124	150	4,611	60	556	4	7.3
Mountain	981	10	3,411	86	3,390	70	1,291	14	156	2	13.0
Pacific	2,962	20	9,610	303	9,610	228	4,776	72	312	3	8.7
Type of Home											
Mobile Home	2,509	16	4,198	88	4,187	64	1,125	12	1,593	12	11.8
Single-Family Detached	30,770	263	54,561	1,499	54,555	1,147	24,378	318	3,744	35	3.4
Single-Family Attached	1,753	12	3,005	68	3,000	47	1,887	21	Q	Q	17.6
2 to 4 Units	1,647	18	3,480	154	3,480	107	2,082	46	Q	Q	8.3
5 or More Units	570	33	953	140	953	109	399	31	Q	Q	11.4
Building Floorspace (square feet)											
Fewer than 1,001	4,981	28	10,257	212	10,236	149	4,213	48	1,936	15	8.4
1,001 to 2,000	14,806	134	25,913	667	25,913	504	11,823	145	1,902	17	5.0
2,001 to 5,000	16,189	139	27,861	880	27,861	674	12,839	190	1,482	15	5.0
5,001 to 10,000	1,021	16	1,816	105	1,816	78	859	26	94	Q	14.5
10,001 to 25,000	216	13	296	46	296	37	114	9	Q	Q	20.8
25,001 to 50,000	22	6	34	18	34	14	15	4	Q	Q	40.3
50,001 to 100,000	11	Q	14	11	14	9	7	2	*	*	32.2
100,001 to 200,000	3	1	3	6	3	5	2	1	*	*	33.5
Over 200,000	1	Q	1	5	1	4	Q	Q	*	*	67.0
Year Constructed											
1939 or Before	7,956	40	19,005	551	18,995	385	10,481	148	1,912	18	6.6
1940 to 1949	3,407	24	6,048	167	6,048	120	3,109	43	327	3	10.2
1950 to 1959	6,726	54	11,671	336	11,671	244	6,180	87	441	4	7.3
1960 to 1969	8,018	88	12,525	395	12,514	300	5,525	87	914	8	7.2
1970 to 1979	10,304	127	15,442	465	15,442	389	4,340	60	1,724	16	7.0
1980 to 1981	838	9	1,505	37	1,505	34	237	2	106	1	19.2

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

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

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 R14B.81p. Air Conditioning and Appliances Primary Consumption and Floorspace by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances								RSE Row Factors
	Electricity		All Major Sources		Electricity		Natural Gas		LPG		
	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	
	0.9	NF	0.6	NF	0.6	NF	1.1	NF	2.8	NF	
All Buildings	84,141	1,049	144,191	4,990	144,183	4,513	65,521	427	8,848	49	3.1
Census Region											
Northeast	17,161	72	35,083	973	35,083	859	17,368	103	2,446	11	6.1
Midwest	25,091	175	41,473	1,302	41,473	1,168	21,838	122	2,601	13	6.0
South	33,722	709	42,582	1,710	42,582	1,574	15,475	116	3,157	20	5.4
West	8,168	93	25,053	1,004	25,045	914	10,839	86	645	5	6.1
Census Division											
New England	3,426	7	8,343	225	8,343	205	2,499	16	908	4	10.8
Middle Atlantic	13,734	65	26,741	748	26,741	653	14,870	87	1,539	7	7.3
East North Central	14,963	84	28,134	890	28,134	790	15,698	93	1,423	7	9.3
West North Central	10,128	90	13,339	413	13,339	378	6,139	29	1,177	6	11.1
South Atlantic	16,210	275	21,932	796	21,932	747	6,391	36	2,030	13	8.9
East South Central	7,921	159	9,261	391	9,261	368	2,387	20	355	3	11.9
West South Central	9,590	275	11,389	523	11,389	458	6,698	60	772	4	9.9
Mountain	1,993	32	6,126	230	6,117	214	1,974	14	Q	2	13.2
Pacific	6,175	61	18,927	774	18,927	699	8,866	72	435	3	8.0
Type of Home											
Mobile Home	2,216	49	3,695	220	3,693	196	1,018	12	1,328	12	13.1
Single-Family											
Detached	66,447	806	114,202	3,865	114,199	3,513	50,161	318	7,218	35	4.2
Single-Family											
Attached	3,542	37	5,848	165	5,846	144	3,785	21	Q	Q	20.2
2 to 4 Units	5,383	55	10,507	375	10,507	327	6,433	46	Q	Q	10.2
5 or More Units	6,552	102	9,939	364	9,939	333	4,124	31	Q	Q	11.9
Building Floorspace (square feet)											
Fewer than 1,001	3,876	86	7,893	520	7,884	456	3,256	48	1,367	15	8.3
1,001 to 2,000	21,865	411	38,104	1,707	38,104	1,545	17,397	145	2,614	17	4.8
2,001 to 5,000	46,774	426	79,655	2,271	79,655	2,065	36,434	190	4,196	15	5.1
5,001 to 10,000	6,609	50	11,645	267	11,645	240	5,557	26	560	Q	14.7
10,001 to 25,000	2,847	39	3,946	123	3,946	114	1,527	9	Q	Q	19.8
25,001 to 50,000	782	17	1,182	47	1,182	42	537	4	Q	Q	39.2
50,001 to 100,000	760	Q	986	29	986	27	447	2	*	*	34.5
100,001 to 200,000	389	4	434	16	434	14	236	1	*	*	35.5
Over 200,000	239	Q	346	11	346	10	Q	Q	*	*	82.0
Year Constructed											
1939 or Before	19,929	121	44,348	1,346	44,342	1,180	24,660	148	3,904	18	7.0
1940 to 1949	6,470	74	11,133	415	11,133	369	5,487	43	553	3	11.0
1950 to 1959	13,324	166	23,300	840	23,300	748	12,459	87	721	4	7.9
1960 to 1969	17,952	270	26,662	1,014	26,659	920	11,914	87	1,141	8	8.1
1970 to 1979	24,785	389	35,688	1,268	35,688	1,192	10,500	60	2,380	16	7.5
1980 to 1981	1,681	28	3,060	107	3,060	105	500	2	150	1	20.3

NF = No applicable RSE row/column factor, estimates derived from regression model.  
 \* = Value rounds to zero in the units displayed.  
 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 R14B.81s. Air Conditioning and Appliances Site Consumption and Floorspace by Energy Source in Residential Buildings, 1981**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances								RSE Row Factors
	Electricity		All Major Sources		Electricity		Natural Gas		LPG		
	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	Floor-space (million sq.ft.)	Consumption (trillion Btu)	
	0.9	NF	0.6	NF	0.6	NF	1.1	NF	2.8	NF	
RSE Column Factors:	0.9	NF	0.6	NF	0.6	NF	1.1	NF	2.8	NF	
All Buildings . . . . .	84,141	342	144,191	1,950	144,183	1,474	65,521	427	8,848	49	3.1
Census Region											
Northeast . . . . .	17,161	24	35,083	395	35,083	280	17,368	103	2,446	11	6.1
Midwest . . . . .	25,091	57	41,473	516	41,473	381	21,838	122	2,601	13	6.0
South . . . . .	33,722	231	42,582	650	42,582	514	15,475	116	3,157	20	5.4
West . . . . .	8,168	30	25,053	389	25,045	298	10,839	86	645	5	6.1
Census Division											
New England . . . . .	3,426	2	8,343	87	8,343	67	2,499	16	908	4	10.8
Middle Atlantic . . . . .	13,734	21	26,741	308	26,741	213	14,870	87	1,539	7	7.3
East North Central . . . . .	14,963	28	28,134	358	28,134	258	15,698	93	1,423	7	9.3
West North Central . . . . .	10,128	29	13,339	158	13,339	123	6,139	29	1,177	6	11.1
South Atlantic . . . . .	16,210	90	21,932	293	21,932	244	6,391	36	2,030	13	8.9
East South Central . . . . .	7,921	52	9,261	143	9,261	120	2,387	20	355	3	11.9
West South Central . . . . .	9,590	90	11,389	214	11,389	150	6,698	60	772	4	9.9
Mountain . . . . .	1,993	10	6,126	86	6,117	70	1,974	14	Q	2	13.2
Pacific . . . . .	6,175	20	18,927	303	18,927	228	8,866	72	435	3	8.0
Type of Home											
Mobile Home . . . . .	2,216	16	3,695	88	3,693	64	1,018	12	1,328	12	13.1
Single-Family											
Detached . . . . .	66,447	263	114,202	1,499	114,199	1,147	50,161	318	7,218	35	4.2
Single-Family											
Attached . . . . .	3,542	12	5,848	68	5,846	47	3,785	21	Q	Q	20.2
2 to 4 Units . . . . .	5,383	18	10,507	154	10,507	107	6,433	46	Q	Q	10.2
5 or More Units . . . . .	6,552	33	9,939	140	9,939	109	4,124	31	Q	Q	11.9
Building Floorspace (square feet)											
Fewer than 1,001 . . . . .	3,876	28	7,893	212	7,884	149	3,256	48	1,367	15	8.3
1,001 to 2,000 . . . . .	21,865	134	38,104	667	38,104	504	17,397	145	2,614	17	4.8
2,001 to 5,000 . . . . .	46,774	139	79,655	880	79,655	674	36,434	190	4,196	15	5.1
5,001 to 10,000 . . . . .	6,609	16	11,645	105	11,645	78	5,557	26	560	Q	14.7
10,001 to 25,000 . . . . .	2,847	13	3,946	46	3,946	37	1,527	9	Q	Q	19.8
25,001 to 50,000 . . . . .	782	6	1,182	18	1,182	14	537	4	Q	Q	39.2
50,001 to 100,000 . . . . .	760	Q	986	11	986	9	447	2	*	*	34.5
100,001 to 200,000 . . . . .	389	1	434	6	434	5	236	1	*	*	35.5
Over 200,000 . . . . .	239	Q	346	5	346	4	Q	Q	*	*	82.0
Year Constructed											
1939 or Before . . . . .	19,929	40	44,348	551	44,342	385	24,660	148	3,904	18	7.0
1940 to 1949 . . . . .	6,470	24	11,133	167	11,133	120	5,487	43	553	3	11.0
1950 to 1959 . . . . .	13,324	54	23,300	336	23,300	244	12,459	87	721	4	7.9
1960 to 1969 . . . . .	17,952	88	26,662	395	26,659	300	11,914	87	1,141	8	8.1
1970 to 1979 . . . . .	24,785	127	35,688	465	35,688	389	10,500	60	2,380	16	7.5
1980 to 1981 . . . . .	1,681	9	3,060	37	3,060	34	500	2	150	1	20.3

NF = No applicable RSE row/column factor, estimates derived from regression model.  
 \* = Value rounds to zero in the units displayed.  
 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.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
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)	
	0.9	0.9	1.0	NF	0.9	NF	1.5	NF	0.9	NF	
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 Factors
	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	0.7	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.

**Table R19.81. Total Expenditures (1987 and 1981 Dollars) for All End Uses by Energy Source in Residential Buildings, 1981 (Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil¹		
	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
	RSE Column Factors:	0.6	0.6	0.7	0.7	1.1	1.1	1.9	
All Buildings . . . . .	103,512	83,016	55,855	44,796	29,959	24,027	14,199	11,387	2.5
Census Region									
Northeast . . . . .	30,517	24,475	12,549	10,064	7,258	5,821	10,287	8,250	4.4
Midwest . . . . .	27,358	21,941	12,473	10,003	11,581	9,288	2,013	1,614	4.8
South . . . . .	31,209	25,030	21,641	17,356	6,632	5,319	1,554	1,247	6.4
West . . . . .	14,428	11,571	9,193	7,372	4,488	3,599	344	276	5.2
Census Division									
New England . . . . .	7,358	5,901	2,825	2,265	1,498	1,202	2,890	2,318	8.1
Middle Atlantic . . . . .	23,159	18,574	9,724	7,799	5,760	4,619	7,397	5,933	5.3
East North Central . . . . .	19,409	15,566	8,406	6,742	8,860	7,086	1,465	1,175	7.2
West North Central . . . . .	7,949	6,375	4,067	3,262	2,745	2,202	548	440	12.8
South Atlantic . . . . .	15,922	12,770	10,793	8,656	2,929	2,349	1,382	1,108	10.1
East South Central . . . . .	6,226	4,993	4,627	3,711	1,216	975	157	126	11.2
West South Central . . . . .	9,062	7,267	6,220	4,989	2,488	1,995	Q	Q	6.7
Mountain . . . . .	3,787	3,037	2,203	1,767	1,397	1,120	Q	Q	9.4
Pacific . . . . .	10,641	8,534	6,990	5,606	3,091	2,479	304	244	6.4
Type of Home									
Mobile Home . . . . .	4,422	3,547	2,684	2,153	644	516	420	337	16.2
Single-Family									
Detached . . . . .	74,206	59,513	40,721	32,658	22,096	17,721	8,647	6,935	3.5
Single-Family									
Attached . . . . .	3,855	3,092	1,988	1,594	1,262	1,012	602	483	18.8
2 to 4 Units . . . . .	10,249	8,220	4,521	3,626	3,795	3,044	1,855	1,488	8.6
5 or More Units . . . . .	10,779	8,645	5,942	4,765	2,162	1,734	2,674	2,145	10.8
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	9,438	7,570	5,480	4,395	2,316	1,858	847	679	8.9
1,001 to 2,000 . . . . .	32,053	25,707	18,811	15,086	9,142	7,332	2,674	2,144	5.2
2,001 to 5,000 . . . . .	48,411	38,826	24,545	19,685	15,261	12,239	7,402	5,936	4.5
5,001 to 10,000 . . . . .	6,621	5,310	3,072	2,464	2,007	1,609	1,486	1,192	9.7
10,001 to 25,000 . . . . .	3,338	2,677	1,951	1,565	734	589	636	510	16.2
25,001 to 50,000 . . . . .	1,498	1,202	924	741	191	153	Q	Q	35.5
50,001 to 100,000 . . . . .	1,099	881	559	448	135	108	406	325	30.2
100,001 to 200,000 . . . . .	617	495	313	251	78	63	226	181	19.9
Over 200,000 . . . . .	Q	Q	201	161	95	76	Q	Q	46.1
Year Constructed									
1939 or Before . . . . .	31,996	25,660	13,067	10,479	11,063	8,873	6,442	5,167	6.0
1940 to 1949 . . . . .	8,368	6,711	4,246	3,405	2,635	2,113	1,266	1,015	9.1
1950 to 1959 . . . . .	16,411	13,161	8,491	6,810	5,241	4,203	2,456	1,970	6.6
1960 to 1969 . . . . .	20,572	16,498	11,667	9,357	6,007	4,818	2,378	1,907	6.2
1970 to 1979 . . . . .	24,245	19,445	16,785	13,462	4,770	3,825	1,631	1,308	6.9
1980 to 1981 . . . . .	1,921	1,540	1,599	1,283	243	195	Q	Q	20.2

<sup>1</sup> Includes kerosene.

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 R20.81. Total Expenditures (1987 and 1981 Dollars) for Space Heating by Energy Source in Residential Buildings, 1981 (Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil¹		
	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
	NF	NF	NF	NF	NF	NF	NF	NF	
RSE Column Factors:	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings . . . . .	40,605	32,565	5,898	4,730	20,718	16,616	11,775	9,443	
Census Region									
Northeast . . . . .	14,323	11,487	1,297	1,040	4,866	3,902	8,020	6,432	
Midwest . . . . .	13,247	10,624	1,263	1,013	9,094	7,294	1,970	1,580	
South . . . . .	8,742	7,011	2,241	1,797	4,134	3,316	1,454	1,166	
West . . . . .	4,294	3,443	1,097	879	2,624	2,104	331	266	
Census Division									
New England . . . . .	3,653	2,930	336	269	994	797	2,291	1,837	
Middle Atlantic . . . . .	10,670	8,557	961	771	3,872	3,105	5,729	4,595	
East North Central . . . . .	9,695	7,775	787	632	6,978	5,596	1,451	1,164	
West North Central . . . . .	3,552	2,848	476	382	2,117	1,698	519	416	
South Atlantic . . . . .	4,966	3,983	1,119	897	2,040	1,636	1,285	1,031	
East South Central . . . . .	1,860	1,492	702	563	837	671	157	126	
West South Central . . . . .	1,916	1,536	420	337	1,258	1,009	Q	Q	
Mountain . . . . .	1,391	1,116	279	224	968	776	Q	Q	
Pacific . . . . .	2,902	2,328	817	655	1,656	1,328	291	234	
Type of Home									
Mobile Home . . . . .	1,601	1,284	323	259	454	364	412	330	
Single-Family									
Detached . . . . .	28,328	22,719	3,596	2,884	15,422	12,368	7,545	6,051	
Single-Family									
Attached . . . . .	1,487	1,192	191	153	799	641	496	398	
2 to 4 Units . . . . .	4,723	3,788	583	467	2,652	2,127	1,451	1,164	
5 or More Units . . . . .	4,466	3,582	1,205	967	1,391	1,116	1,870	1,500	
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	3,158	2,533	431	346	1,469	1,178	796	638	
1,001 to 2,000 . . . . .	11,092	8,896	1,763	1,414	6,027	4,834	2,314	1,856	
2,001 to 5,000 . . . . .	20,463	16,412	2,518	2,019	10,980	8,806	6,238	5,003	
5,001 to 10,000 . . . . .	3,124	2,505	429	344	1,472	1,180	1,197	960	
10,001 to 25,000 . . . . .	1,364	1,094	408	327	503	404	442	354	
25,001 to 50,000 . . . . .	532	426	179	144	Q	Q	Q	Q	
50,001 to 100,000 . . . . .	438	351	74	59	Q	Q	Q	Q	
100,001 to 200,000 . . . . .	251	201	Q	Q	44	35	151	121	
Over 200,000 . . . . .	Q	Q	Q	Q	Q	Q	Q	Q	
Year Constructed									
1939 or Before . . . . .	15,217	12,204	825	661	8,015	6,428	5,416	4,343	
1940 to 1949 . . . . .	3,316	2,660	295	236	1,803	1,446	1,089	874	
1950 to 1959 . . . . .	6,186	4,961	557	447	3,499	2,806	2,021	1,620	
1960 to 1969 . . . . .	7,253	5,817	1,045	838	3,985	3,196	1,886	1,513	
1970 to 1979 . . . . .	8,020	6,432	2,796	2,243	3,241	2,599	1,341	1,075	
1980 to 1981 . . . . .	613	491	380	305	175	140	Q	Q	

<sup>1</sup> Includes kerosene.

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 R21.81. Total Expenditures (1987 and 1981 Dollars) for Air Conditioning and Appliances by Energy Source in Residential Buildings, 1981 (Million Dollars)**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances						RSE Row Factors
	Electricity		All Major Sources		Electricity		Natural Gas <sup>1</sup>		
	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
	NF	NF	NF	NF	NF	NF	NF	NF	
RSE Column Factors:	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings . . . . .	7,879	6,319	39,280	31,503	35,920	28,808	2,706	2,170	
Census Region									
Northeast . . . . .	851	683	10,517	8,435	9,370	7,515	962	772	
Midwest . . . . .	1,245	999	9,590	7,691	8,796	7,054	646	518	
South . . . . .	5,044	4,045	12,163	9,755	11,226	9,003	671	538	
West . . . . .	739	593	7,011	5,622	6,529	5,236	427	342	
Census Division									
New England . . . . .	76	61	2,369	1,900	2,141	1,717	163	131	
Middle Atlantic . . . . .	775	622	8,148	6,535	7,228	5,797	799	640	
East North Central . . . . .	643	516	6,735	5,401	6,161	4,941	484	388	
West North Central . . . . .	602	483	2,855	2,290	2,635	2,113	162	130	
South Atlantic . . . . .	2,081	1,669	5,998	4,810	5,572	4,469	244	196	
East South Central . . . . .	956	766	2,363	1,895	2,224	1,784	102	81	
West South Central . . . . .	2,007	1,609	3,802	3,049	3,429	2,750	325	261	
Mountain . . . . .	244	196	1,589	1,274	1,495	1,199	78	62	
Pacific . . . . .	495	397	5,422	4,348	5,034	4,037	349	280	
Type of Home									
Mobile Home . . . . .	369	296	1,657	1,329	1,428	1,146	65	52	
Single-Family Detached . . . . .	5,878	4,714	29,107	23,344	26,848	21,532	1,797	1,441	
Single-Family Attached . . . . .	324	260	1,466	1,175	1,314	1,054	148	119	
2 to 4 Units . . . . .	445	357	3,493	2,801	3,097	2,484	373	299	
5 or More Units . . . . .	864	693	3,557	2,853	3,233	2,593	323	259	
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	649	520	3,951	3,169	3,469	2,782	283	227	
1,001 to 2,000 . . . . .	3,044	2,441	12,876	10,326	11,811	9,472	850	682	
2,001 to 5,000 . . . . .	3,168	2,541	17,916	14,369	16,522	13,251	1,182	948	
5,001 to 10,000 . . . . .	377	303	2,220	1,781	2,014	1,615	180	144	
10,001 to 25,000 . . . . .	314	252	1,088	873	1,002	804	85	68	
25,001 to 50,000 . . . . .	154	123	542	435	475	381	67	54	
50,001 to 100,000 . . . . .	99	79	356	286	335	269	21	17	
100,001 to 200,000 . . . . .	44	35	190	152	171	137	19	15	
Over 200,000 . . . . .	Q	Q	Q	Q	Q	Q	Q	Q	
Year Constructed									
1939 or Before . . . . .	945	758	11,387	9,133	10,131	8,125	1,032	827	
1940 to 1949 . . . . .	564	452	3,191	2,559	2,885	2,313	263	211	
1950 to 1959 . . . . .	1,258	1,009	6,555	5,257	5,975	4,792	514	412	
1960 to 1969 . . . . .	2,081	1,669	8,062	6,466	7,418	5,949	541	434	
1970 to 1979 . . . . .	2,825	2,266	9,341	7,492	8,786	7,046	345	277	
1980 to 1981 . . . . .	206	165	743	596	726	582	11	9	

<sup>1</sup> Includes kerosene.

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 R22.81. Total Expenditures (1987 and 1981 Dollars) by End Use in Residential Buildings, 1981  
(Million Dollars)**

Building Characteristics	End Uses										RSE Row Factors
	All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
	RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	NF	NF	NF	
All Buildings . . . . .	103,512	83,016	40,605	32,565	15,603	12,514	8,024	6,435	39,280	31,503	1.3
Census Region											
Northeast . . . . .	30,517	24,475	14,323	11,487	4,810	3,857	867	696	10,517	8,435	2.2
Midwest . . . . .	27,358	21,941	13,247	10,624	3,248	2,605	1,273	1,021	9,590	7,691	2.7
South . . . . .	31,209	25,030	8,742	7,011	5,175	4,150	5,130	4,114	12,163	9,755	2.7
West . . . . .	14,428	11,571	4,294	3,443	2,371	1,901	753	604	7,011	5,622	2.7
Census Division											
New England . . . . .	7,358	5,901	3,653	2,930	1,259	1,010	77	62	2,369	1,900	5.4
Middle Atlantic . . . . .	23,159	18,574	10,670	8,557	3,550	2,847	791	634	8,148	6,535	2.7
East North Central . . . . .	19,409	15,566	9,695	7,775	2,312	1,854	667	535	6,735	5,401	4.8
West North Central . . . . .	7,949	6,375	3,552	2,848	936	751	606	486	2,855	2,290	9.0
South Atlantic . . . . .	15,922	12,770	4,966	3,983	2,866	2,298	2,093	1,678	5,998	4,810	4.1
East South Central . . . . .	6,226	4,993	1,860	1,492	1,030	826	972	780	2,363	1,895	5.9
West South Central . . . . .	9,062	7,267	1,916	1,536	1,279	1,026	2,065	1,656	3,802	3,049	4.7
Mountain . . . . .	3,787	3,037	1,391	1,116	562	450	245	196	1,589	1,274	5.3
Pacific . . . . .	10,641	8,534	2,902	2,328	1,809	1,451	508	408	5,422	4,348	4.2
Type of Home											
Mobile Home . . . . .	4,422	3,547	1,601	1,284	796	638	369	296	1,657	1,329	10.7
Single-Family Detached . . . . .	74,206	59,513	28,328	22,719	10,790	8,654	5,980	4,796	29,107	23,344	2.2
Single-Family Attached . . . . .	3,855	3,092	1,487	1,192	577	463	327	262	1,466	1,175	13.9
2 to 4 Units . . . . .	10,249	8,220	4,723	3,788	1,551	1,244	482	387	3,493	2,801	6.3
5 or More Units . . . . .	10,779	8,645	4,466	3,582	1,889	1,515	866	695	3,557	2,853	8.0
Building Floorspace (square feet)											
Fewer than 1,001 . . . . .	9,438	7,570	3,158	2,533	1,681	1,348	649	520	3,951	3,169	6.3
1,001 to 2,000 . . . . .	32,053	25,707	11,092	8,896	5,005	4,014	3,081	2,471	12,876	10,326	3.5
2,001 to 5,000 . . . . .	48,411	38,826	20,43	16,412	6,761	5,422	3,271	2,623	17,916	14,369	3.0
5,001 to 10,000 . . . . .	6,621	5,310	3,124	2,505	897	719	380	305	2,220	1,781	7.5
10,001 to 25,000 . . . . .	3,338	2,677	1,364	1,094	570	457	317	254	1,088	873	11.8
25,001 to 50,000 . . . . .	1,498	1,202	532	426	271	217	154	123	542	435	28.0
50,001 to 100,000 . . . . .	1,099	881	438	351	206	165	99	79	356	286	17.5
100,001 to 200,000 . . . . .	617	495	251	201	133	107	44	35	190	152	20.6
Over 200,000 . . . . .	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.0
Year Constructed											
1939 or Before . . . . .	31,996	25,660	15,217	12,204	4,427	3,550	964	773	11,387	9,133	4.6
1940 to 1949 . . . . .	8,368	6,711	3,316	2,660	1,255	1,007	605	485	3,191	2,559	7.2
1950 to 1959 . . . . .	16,411	13,161	6,186	4,961	2,368	1,899	1,302	1,044	6,555	5,257	4.9
1960 to 1969 . . . . .	20,572	16,498	7,253	5,817	3,148	2,525	2,108	1,690	8,062	6,466	4.8
1970 to 1979 . . . . .	24,245	19,445	8,020	6,432	4,046	3,245	2,839	2,277	9,341	7,492	4.6
1980 to 1981 . . . . .	1,921	1,540	613	491	359	288	206	165	743	596	13.3

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 R23.81. Electricity Expenditures (1987 and 1981 Dollars) by End Use in Residential Buildings, 1981  
(Million Dollars)**

Building Characteristics	End Uses										RSE Row Factors
	All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
	RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	NF	NF	NF	
All Buildings	55,855	44,796	5,898	4,730	6,158	4,939	7,879	6,319	35,920	28,808	1.6
Census Region											
Northeast	12,549	10,064	1,297	1,040	1,031	827	851	683	9,370	7,515	3.4
Midwest	12,473	10,003	1,263	1,013	1,169	937	1,245	999	8,796	7,054	3.6
South	21,641	17,356	2,241	1,797	3,131	2,511	5,044	4,045	11,226	9,003	2.7
West	9,193	7,372	1,097	879	828	664	739	593	6,529	5,236	3.3
Census Division											
New England	2,825	2,265	336	269	272	218	76	61	2,141	1,717	5.5
Middle Atlantic	9,724	7,799	961	771	759	609	775	622	7,228	5,797	4.2
East North Central	8,406	6,742	787	632	814	653	643	516	6,161	4,941	6.0
West North Central	4,067	3,262	476	382	354	284	602	483	2,635	2,113	9.1
South Atlantic	10,793	8,656	1,119	897	2,021	1,621	2,081	1,669	5,572	4,469	5.1
East South Central	4,627	3,711	702	563	745	597	956	766	2,224	1,784	5.9
West South Central	6,220	4,989	420	337	364	292	2,007	1,609	3,429	2,750	6.8
Mountain	2,203	1,767	279	224	184	147	244	196	1,495	1,199	8.2
Pacific	6,990	5,606	817	655	644	517	495	397	5,034	4,037	4.7
Type of Home											
Mobile Home	2,684	2,153	323	259	564	453	369	296	1,428	1,146	11.0
Single-Family											
Detached	40,721	32,658	3,596	2,884	4,399	3,528	5,878	4,714	26,848	21,532	2.4
Single-Family											
Attached	1,988	1,594	191	153	159	128	324	260	1,314	1,054	15.9
2 to 4 Units	4,521	3,626	583	467	396	317	445	357	3,097	2,484	6.1
5 or More Units	5,942	4,765	1,205	967	640	513	864	693	3,233	2,593	7.5
Building Floorspace (square feet)											
Fewer than 1,001	5,480	4,395	431	346	931	747	649	520	3,469	2,782	6.0
1,001 to 2,000	18,811	15,086	1,763	1,414	2,194	1,759	3,044	2,441	11,811	9,472	3.2
2,001 to 5,000	24,545	19,685	2,518	2,019	2,337	1,874	3,168	2,541	16,522	13,251	3.2
5,001 to 10,000	3,072	2,464	429	344	252	202	377	303	2,014	1,615	8.6
10,001 to 25,000	1,951	1,565	408	327	227	182	314	252	1,002	804	15.5
25,001 to 50,000	924	741	179	144	116	93	154	123	475	381	26.5
50,001 to 100,000	559	448	74	59	51	41	99	79	335	269	23.6
100,001 to 200,000	313	251	Q	Q	Q	Q	44	35	171	137	36.0
Over 200,000	201	161	Q	Q	Q	Q	Q	Q	Q	Q	0.0
Year Constructed											
1939 or Before	13,067	10,479	825	661	1,166	935	945	758	10,131	8,125	5.3
1940 to 1949	4,246	3,405	295	236	503	403	564	452	2,885	2,313	8.6
1950 to 1959	8,491	6,810	557	447	701	562	1,258	1,009	5,975	4,792	5.1
1960 to 1969	11,667	9,357	1,045	838	1,123	901	2,081	1,669	7,418	5,949	5.1
1970 to 1979	16,785	13,462	2,796	2,243	2,378	1,907	2,825	2,266	8,786	7,046	4.7
1980 to 1981	1,599	1,283	380	305	287	230	206	165	726	582	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 R24.81. Natural Gas Expenditures (1987 and 1981 Dollars) by End Use in Residential Buildings, 1981  
(Million Dollars)**

Building Characteristics	End Uses								RSE Row Factors
	All End Uses		Space Heating		Water Heating		Appliances		
	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	1987 Dollars	1981 Dollars	
	RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	NF	
All Buildings . . . . .	29,959	24,027	20,718	16,616	6,391	5,125	2,706	2,170	3.3
Census Region									
Northeast . . . . .	7,258	5,821	4,866	3,902	1,414	1,134	962	772	8.8
Midwest . . . . .	11,581	9,288	9,094	7,294	1,812	1,453	646	518	4.1
South . . . . .	6,632	5,319	4,134	3,316	1,740	1,395	671	538	8.8
West . . . . .	4,488	3,599	2,624	2,104	1,424	1,142	427	342	4.4
Census Division									
New England . . . . .	1,498	1,202	994	797	340	273	163	131	15.9
Middle Atlantic . . . . .	5,760	4,619	3,872	3,105	1,075	862	799	640	10.7
East North Central . . . . .	8,836	7,086	6,978	5,596	1,350	1,083	484	388	5.0
West North Central . . . . .	2,745	2,202	2,117	1,698	462	370	162	130	9.7
South Atlantic . . . . .	2,929	2,349	2,040	1,636	633	508	244	196	17.2
East South Central . . . . .	1,216	975	837	671	261	209	102	81	11.0
West South Central . . . . .	2,488	1,995	1,258	1,009	846	679	325	261	5.0
Mountain . . . . .	1,397	1,120	968	776	351	281	78	62	10.1
Pacific . . . . .	3,091	2,479	1,656	1,328	1,073	861	349	280	4.3
Type of Home									
Mobile Home . . . . .	644	516	454	364	125	100	65	52	24.3
Single-Family									
Detached . . . . .	22,096	17,721	15,422	12,368	4,776	3,830	1,797	1,441	4.0
Single-Family									
Attached . . . . .	1,262	1,012	799	641	312	250	148	119	12.5
2 to 4 Units . . . . .	3,795	3,044	2,652	2,127	733	588	373	299	7.5
5 or More Units . . . . .	2,162	1,734	1,391	1,116	445	357	323	259	10.1
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	2,316	1,858	1,469	1,178	564	453	283	227	9.0
1,001 to 2,000 . . . . .	9,142	7,332	6,027	4,834	2,228	1,787	850	682	3.8
2,001 to 5,000 . . . . .	15,261	12,239	10,980	8,806	2,996	2,403	1,182	948	5.7
5,001 to 10,000 . . . . .	2,007	1,609	1,472	1,180	353	283	180	144	11.2
10,001 to 25,000 . . . . .	734	589	503	404	144	115	85	68	16.7
25,001 to 50,000 . . . . .	191	153	Q	Q	38	30	67	54	31.8
50,001 to 100,000 . . . . .	135	108	Q	Q	26	20	21	17	41.2
100,001 to 200,000 . . . . .	78	63	44	35	15	12	19	15	36.5
Over 200,000 . . . . .	95	76	Q	Q	Q	Q	Q	Q	50.0
Year Constructed									
1939 or Before . . . . .	11,063	8,873	8,015	6,428	1,998	1,602	1,032	827	5.7
1940 to 1949 . . . . .	2,635	2,113	1,803	1,446	528	423	263	211	7.6
1950 to 1959 . . . . .	5,241	4,203	3,499	2,806	1,184	949	514	412	7.1
1960 to 1969 . . . . .	6,007	4,818	3,985	3,196	1,455	1,167	541	434	7.0
1970 to 1979 . . . . .	4,770	3,825	3,241	2,599	1,169	938	345	277	7.6
1980 to 1981 . . . . .	243	195	175	140	57	46	11	9	23.8

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.