

Table R8.87p. Total and Average Primary Consumption and Expenditures for All Major Energy Sources in Residential Buildings, 1987

Building Characteristics	Total			Average			RSE Row Factors
	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		1987 Dollars	1987 Dollars	
RSE Column Factors:	1.5	1.4	1.4	0.8	0.9	0.4	
All Buildings	156,818	14,790	97,747	94.31	0.62	6.61	1.0
Census Region							
Northeast	36,820	3,283	24,309	89.15	0.66	7.41	2.0
Midwest	44,271	3,980	25,028	89.90	0.57	6.29	1.8
South	47,135	5,110	33,404	108.42	0.71	6.54	2.2
West	28,593	2,417	15,006	84.54	0.52	6.21	2.2
Census Division							
New England	8,431	718	5,219	85.21	0.62	7.26	2.8
Middle Atlantic	28,389	2,564	19,090	90.32	0.67	7.44	2.5
East North Central	31,515	2,848	18,218	90.36	0.58	6.40	2.2
West North Central	12,756	1,132	6,809	88.76	0.53	6.01	3.9
South Atlantic	24,419	2,507	17,569	102.68	0.72	7.01	3.6
East South Central	9,210	1,058	6,037	114.90	0.66	5.71	5.3
West South Central	13,506	1,545	9,798	114.39	0.73	6.34	5.2
Mountain	7,233	714	4,195	98.67	0.58	5.88	5.3
Pacific	21,360	1,704	10,811	79.76	0.51	6.35	3.1
Type of Home							
Mobile Home	4,406	713	4,849	161.82	1.10	6.80	5.8
Single-Family							
Detached	18,693	10,357	67,626	87.26	0.57	6.53	1.6
Single-Family							
Attached	10,184	855	6,031	83.94	0.59	7.06	7.2
2 to 4 Units	11,619	1,343	9,096	115.55	0.78	6.78	3.8
5 or More Units	11,917	1,523	10,144	127.82	0.85	6.66	4.3
Building Floorspace (square feet)							
Fewer than 1,001	8,343	1,357	9,209	162.67	1.10	6.79	3.5
1,001 to 2,000	40,629	4,596	30,273	113.11	0.75	6.59	2.0
2,001 to 5,000	87,573	6,991	45,929	79.83	0.52	6.57	1.7
5,001 to 10,000	13,227	1,044	6,920	78.96	0.52	6.63	5.1
10,001 to 25,000	3,384	373	2,517	110.17	0.74	6.75	8.0
25,001 to 50,000	1,472	174	1,138	118.47	0.77	6.53	10.6
50,001 to 100,000	1,235	133	909	107.42	0.74	6.85	15.0
100,001 to 200,000	461	57	399	123.64	0.87	7.00	12.8
Over 200,000	495	65	452	131.92	0.91	6.93	23.9
Year Constructed							
1939 or Before	38,935	3,578	23,741	91.91	0.61	6.63	2.7
1940 to 1949	12,978	1,296	8,586	99.85	0.66	6.63	3.6
1950 to 1959	22,796	2,211	14,646	97.00	0.64	6.62	2.9
1960 to 1969	28,028	2,652	17,393	94.63	0.62	6.56	2.9
1970 to 1979	34,976	3,364	22,088	96.19	0.63	6.57	2.5
1980 to 1987	19,105	1,688	11,293	88.37	0.59	6.69	4.0

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 1987 Residential Energy Consumption Survey.

Table R8.87s. Total and Average Site Consumption and Expenditures for All Major Energy Sources in Residential Buildings, 1987

Building Characteristics	Total			Average			RSE Row Factors
	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		1987 Dollars	1987 Dollars	
RSE Column Factors:	1.3	1.3	1.2	0.9	0.8	0.7	
All Buildings	156,818	9,128	97,747	58.21	0.62	10.71	1.2
Census Region							
Northeast	36,820	2,370	24,309	64.37	0.66	10.26	2.2
Midwest	44,271	2,728	25,028	61.61	0.57	9.18	2.0
South	47,135	2,606	33,404	55.28	0.71	12.82	2.8
West	28,593	1,425	15,006	49.82	0.52	10.53	2.3
Census Division							
New England	8,431	517	5,219	61.33	0.62	10.09	3.6
Middle Atlantic	28,389	1,853	19,090	65.28	0.67	10.30	2.7
East North Central	31,515	1,987	18,218	63.05	0.58	9.17	2.4
West North Central	12,756	741	6,809	58.06	0.53	9.19	4.3
South Atlantic	24,419	1,261	17,569	51.66	0.72	13.93	4.7
East South Central	9,210	512	6,037	55.58	0.66	11.79	6.3
West South Central	13,506	832	9,798	61.63	0.73	11.77	6.1
Mountain	7,233	460	4,195	63.59	0.58	9.12	5.7
Pacific	21,360	965	10,811	45.16	0.51	11.21	3.1
Type of Home							
Mobile Home	4,406	391	4,849	88.77	1.10	12.40	6.4
Single-Family							
Detached	118,693	6,315	67,626	53.21	0.57	10.71	1.8
Single-Family							
Attached	10,183	526	6,031	51.61	0.59	11.47	8.5
2 to 4 Units	11,619	939	9,096	80.79	0.78	9.69	4.0
5 or More Units	11,917	957	10,144	80.31	0.85	10.60	5.3
Building Floorspace (square feet)							
Fewer than 1,001	8,343	807	9,209	96.77	1.10	11.41	3.8
1,001 to 2,000	40,629	2,711	30,273	66.73	0.75	11.17	2.4
2,001 to 5,000	87,573	4,418	45,929	50.45	0.52	10.39	1.9
5,001 to 10,000	13,226	682	6,920	51.58	0.52	10.14	5.8
10,001 to 25,000	3,384	219	2,517	64.61	0.74	11.51	9.4
25,001 to 50,000	1,472	116	1,138	79.02	0.77	9.78	12.9
50,001 to 100,000	1,235	96	909	77.91	0.74	9.45	16.0
100,001 to 200,000	461	39	399	85.64	0.87	10.11	15.0
Over 200,000	495	38	452	76.80	0.91	11.90	35.3
Year Constructed							
1939 or Before	38,935	2,587	23,741	66.44	0.61	9.18	2.9
1940 to 1949	12,978	854	8,586	65.82	0.66	10.05	4.0
1950 to 1959	22,796	1,432	14,646	62.84	0.64	10.22	3.1
1960 to 1969	28,028	1,635	17,393	58.32	0.62	10.64	3.2
1970 to 1979	34,976	1,821	22,088	52.06	0.63	12.13	3.0
1980 to 1987	19,105	799	11,293	41.82	0.59	14.13	5.0

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 1987 Residential Energy Consumption Survey.

Table R9.87p. Total and Average Primaryy Consumption and Expenditures for Electricity in Residential Buildings, 1987

Building Characteristics	Total			Average			RSE Row Factors
	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		1987 Dollars	1987 Dollars	
RSE Column Factors:	1.2	1.4	1.3	1.0	1.0	0.5	
All Buildings	156,780	8,419	61,580	53.70	0.39	7.31	1.4
Census Region							
Northeast	36,820	1,357	12,339	36.84	0.34	9.10	2.4
Midwest	44,271	1,862	14,080	42.06	0.32	7.56	3.1
South	47,135	3,724	25,129	79.01	0.53	6.75	2.7
West	28,555	1,476	10,032	51.69	0.35	6.80	3.0
Census Division							
New England	8,431	299	2,565	35.52	0.30	8.57	4.2
Middle Atlantic	28,389	1,057	9,774	37.24	0.34	9.25	2.8
East North Central	31,515	1,280	9,962	40.61	0.32	7.78	3.9
West North Central	12,756	582	4,118	45.64	0.32	7.07	4.2
South Atlantic	24,419	1,852	13,081	75.86	0.54	7.06	4.8
East South Central	9,210	812	4,654	88.21	0.51	5.73	6.0
West South Central	13,506	1,059	7,394	78.44	0.55	6.98	5.4
Mountain	7,233	377	2,626	52.16	0.36	6.96	6.7
Pacific	21,322	1,099	7,406	51.53	0.35	6.74	3.9
Type of Home							
Mobile Home	4,406	479	3,279	108.61	0.74	6.85	6.7
Single-Family							
Detached	18,655	6,009	43,133	50.64	0.36	7.18	1.9
Single-Family							
Attached	10,184	490	3,816	48.07	0.37	7.80	10.5
2 to 4 Units	11,619	600	4,852	51.67	0.42	8.08	5.8
5 or More Units	11,917	842	6,500	70.64	0.55	7.72	5.8
Building Floorspace (square feet)							
Fewer than 1,001	8,343	817	5,876	97.99	0.70	7.19	4.2
1,001 to 2,000	40,591	2,802	19,943	69.02	0.49	7.12	2.6
2,001 to 5,000	87,573	3,825	28,160	43.68	0.32	7.36	2.2
5,001 to 10,000	13,227	539	4,142	40.72	0.31	7.69	6.9
10,001 to 25,000	3,384	229	1,733	67.73	0.51	7.56	11.0
25,001 to 50,000	1,472	86	677	58.66	0.46	7.84	14.2
50,001 to 100,000	1,235	54	484	43.87	0.39	8.93	14.7
100,001 to 200,000	461	26	243	56.49	0.53	9.34	20.0
Over 200,000	495	Q	Q	81.96	0.65	7.97	33.7
Year Constructed							
1939 or Before	38,935	1,474	11,718	37.87	0.30	7.95	3.2
1940 to 1949	12,940	657	4,870	50.74	0.38	7.42	4.3
1950 to 1959	22,796	1,158	8,708	50.80	0.38	7.52	3.2
1960 to 1969	28,028	1,513	10,988	53.99	0.39	7.26	3.7
1970 to 1979	34,976	2,295	16,110	65.60	0.46	7.02	3.1
1980 to 1987	19,105	1,322	9,188	69.21	0.48	6.95	4.7

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 1987 Residential Energy Consumption Survey.

Table R9.87s. Total and Average Site Consumption and Expenditures for Electricity in Residential Buildings, 1987

Building Characteristics	Total			Average			RSE Row Factors
	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		1987 Dollars	1987 Dollars	
RSE Column Factors:	1.2	1.4	1.3	1.0	1.0	0.5	
All Buildings	156,780	2,757	61,580	17.58	0.39	22.34	1.4
Census Region							
Northeast	36,820	4441	12,339	12.06	0.34	27.78	2.4
Midwest	44,271	610	14,080	13.77	0.32	23.09	3.1
South	47,135	1,219	25,129	25.87	0.53	20.61	2.7
West	28,555	483	10,032	16.93	0.35	20.76	3.0
Census Division							
New England	8,431	98	2,565	11.63	0.30	26.16	4.2
Middle Atlantic	28,389	346	9,774	12.19	0.34	28.24	2.8
East North Central	31,515	419	9,962	13.30	0.32	23.77	3.9
West North Central	12,756	191	4,118	14.94	0.32	21.60	4.2
South Atlantic	24,419	607	13,081	24.84	0.54	21.57	4.8
East South Central	9,210	266	4,654	28.88	0.51	17.50	6.0
West South Central	13,506	347	7,394	25.68	0.55	21.31	5.4
Mountain	7,233	124	2,626	17.08	0.36	21.26	6.7
Pacific	21,322	360	7,406	16.87	0.35	20.58	3.9
Type of Home							
Mobile Home	4,406	157	3,279	35.56	0.74	20.93	6.7
Single-Family							
Detached	118,655	1,968	43,133	16.58	0.36	21.92	1.9
Single-Family							
Attached	10,183	160	3,816	15.74	0.37	23.81	10.5
2 to 4 Units	11,619	197	4,852	16.92	0.42	24.68	5.8
5 or More Units	11,917	276	6,500	23.13	0.55	23.58	5.8
Building Floorspace (square feet)							
Fewer than 1,001	8,343	268	5,876	32.08	0.70	21.95	4.2
1,001 to 2,000	40,591	917	19,943	22.60	0.49	21.74	2.6
2,001 to 5,000	87,573	1,252	28,160	14.30	0.32	22.49	2.2
5,001 to 10,000	13,226	176	4,142	13.33	0.31	23.48	6.9
10,001 to 25,000	3,384	75	1,733	22.18	0.51	23.09	11.0
25,001 to 50,000	1,472	28	677	19.21	0.46	23.94	14.2
50,001 to 100,000	1,235	18	484	14.36	0.39	27.26	14.7
100,001 to 200,000	461	9	243	18.50	0.53	28.54	20.0
Over 200,000	495	Q	Q	26.84	0.65	24.35	31.9
Year Constructed							
1939 or Before	38,935	483	11,718	12.40	0.30	24.27	3.2
1940 to 1949	12,940	215	4,870	16.62	0.38	22.65	4.3
1950 to 1959	22,796	379	8,708	16.63	0.38	22.97	3.2
1960 to 1969	28,028	495	10,988	17.68	0.39	22.18	3.7
1970 to 1979	34,976	751	16,110	21.48	0.46	21.44	3.1
1980 to 1987	19,105	433	9,188	22.66	0.48	21.22	4.7

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 1987 Residential Energy Consumption Survey.

Table R10.87. Total and Average Consumption and Expenditures for Natural Gas in Residential Buildings, 1987

Building Characteristics	Total			Average			RSE Row Factors
	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		1987 Dollars	1987 Dollars	
RSE Column Factors:	1.5	1.6	1.6	0.8	0.8	0.4	
All Buildings	99,357	4,832	26,149	48.63	0.26	5.41	2.3
Census Region							
Northeast	21,181	1,033	6,666	48.79	0.31	6.45	6.2
Midwest	33,280	1,827	9,003	54.91	0.27	4.93	2.7
South	23,670	1,095	6,051	46.24	0.26	5.53	5.9
West	21,225	876	4,429	41.29	0.21	5.05	3.1
Census Division							
New England	2,994	147	993	49.10	0.33	6.75	7.5
Middle Atlantic	18,187	886	5,673	48.74	0.31	6.40	7.1
East North Central	23,577	1,349	6,762	57.23	0.29	5.01	3.2
West North Central	9,703	478	2,242	49.27	0.23	4.69	5.4
South Atlantic	9,738	451	2,934	46.31	0.30	6.50	7.4
East South Central	3,889	189	931	48.65	0.24	4.92	8.3
West South Central	10,043	454	2,187	45.24	0.22	4.81	8.9
Mountain	5,638	313	1,422	55.51	0.25	4.54	6.3
Pacific	15,587	563	3,006	36.14	0.19	5.34	3.5
Type of Home							
Mobile Home	1,582	123	636	77.53	0.40	5.19	10.5
Single-Family							
Detached	72,994	3,299	17,497	45.19	0.24	5.30	2.9
Single-Family							
Attached	7,018	293	1,749	41.71	0.25	5.98	10.3
2 to 4 Units	9,398	610	3,445	64.88	0.37	5.65	4.5
5 or More Units	8,365	508	2,822	60.73	0.34	5.56	7.6
Building Floorspace (square feet)							
Fewer than 1,001	4,342	375	1,980	86.26	0.46	5.29	5.3
1,001 to 2,000	23,797	1,375	7,398	57.77	0.31	5.38	3.4
2,001 to 5,000	56,406	2,457	13,298	43.56	0.24	5.41	2.7
5,001 to 10,000	9,548	386	2,076	40.38	0.22	5.38	6.8
10,001 to 25,000	2,484	115	645	46.10	0.26	5.63	10.9
25,001 to 50,000	1,052	53	308	50.40	0.29	5.81	15.3
50,001 to 100,000	1,142	47	292	41.55	0.26	6.15	21.2
100,001 to 200,000	344	11	68	31.13	0.20	6.38	26.8
Over 200,000	240	Q	Q	58.68	0.35	5.90	49.7
Year Constructed							
1939 or Before	27,678	1,525	8,434	55.11	0.30	5.53	4.3
1940 to 1949	9,259	481	2,692	51.92	0.29	5.60	4.8
1950 to 1959	15,558	786	4,188	50.51	0.27	5.33	4.2
1960 to 1969	20,355	922	5,071	45.31	0.25	5.50	4.1
1970 to 1979	18,846	822	4,193	43.60	0.22	5.10	4.3
1980 to 1987	7,661	296	1,570	38.63	0.20	5.31	8.2

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 1987 Residential Energy Consumption Survey.

Table R11.87. Total and Average Consumption and Expenditures for Fuel Oil in Residential Buildings, 1987

Building Characteristics	Total			Average			RSE Row Factors
	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		1987 Dollars	1987 Dollars	
RSE Column Factors:	2.0	1.8	1.8	0.9	0.9	0.2	
All Buildings	24,777	1,135	6,559	45.81	0.26	5.78	3.6
Census Region							
Northeast	16,112	845	4,860	52.45	0.30	5.75	4.4
Midwest	4,745	147	857	30.90	0.18	5.85	6.8
South	3,058	126	741	41.17	0.24	5.88	9.0
West	Q	17	102	20.17	0.12	5.85	26.5
Census Division							
New England	5,615	258	1,521	45.95	0.27	5.89	3.3
Middle Atlantic	10,497	587	3,339	55.93	0.32	5.69	6.2
East North Central	3,915	123	724	31.46	0.19	5.88	7.4
West North Central	830	23	133	28.27	0.16	5.67	15.5
South Atlantic	2,801	113	664	40.35	0.24	5.88	9.4
East South Central	Q	Q	Q	Q	Q	5.91	30.4
West South Central	*	*	*	NC	NC	NC	0.0
Mountain	Q	Q	Q	33.88	0.18	5.28	26.5
Pacific	Q	Q	Q	18.10	0.11	6.02	31.0
Type of Home							
Mobile Home	269	26	160	95.77	0.60	6.22	11.5
Single-Family							
Detached	19,455	741	4,400	38.09	0.23	5.94	3.8
Single-Family							
Attached	1,429	68	421	47.43	0.29	6.22	16.1
2 to 4 Units	1,955	129	774	66.09	0.40	5.99	6.0
5 or More Units	1,669	171	803	102.62	0.48	4.69	10.5
Building Floorspace (square feet)							
Fewer than 1,001	529	48	295	91.31	0.56	6.12	8.8
1,001 to 2,000	4,294	250	1,518	58.27	0.35	6.07	5.3
2,001 to 5,000	15,371	592	3,500	38.54	0.23	5.91	4.1
5,001 to 10,000	3,190	119	692	37.23	0.22	5.82	8.2
10,001 to 25,000	423	29	136	68.11	0.32	4.74	28.6
25,001 to 50,000	279	35	150	124.64	0.54	4.31	12.1
50,001 to 100,000	324	31	134	95.69	0.41	4.31	23.1
100,001 to 200,000	225	20	87	89.78	0.39	4.31	8.5
Over 200,000	143	11	46	74.46	0.32	4.31	24.9
Year Constructed							
1939 or Before	10,105	488	2,843	48.26	0.28	5.83	5.7
1940 to 1949	2,531	121	683	47.78	0.27	5.64	8.2
1950 to 1959	4,889	212	1,254	43.41	0.26	5.91	5.8
1960 to 1969	3,242	164	906	50.71	0.28	5.51	8.2
1970 to 1979	3,352	128	746	38.11	0.22	5.84	8.6
1980 to 1987	658	22	127	33.48	0.19	5.76	13.2

NC = No cases in sample.

* = 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 1987 Residential Energy Consumption Survey.