

**Table R19.90. Total Expenditures (1987 and 1990 Dollars) for All End Uses by Energy Source in Residential Buildings, 1990 (Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
	RSE Column Factors:	0.6	0.6	0.8	0.8	1.1	1.1	1.9	
All Buildings . . . . .	96,994	110,185	62,972	71,537	23,998	27,261	6,718	7,631	2.4
Census Region									
Northeast . . . . .	24,891	28,276	12,807	14,549	6,447	7,324	5,212	5,921	4.3
Midwest . . . . .	23,670	26,889	13,526	15,366	8,125	9,230	819	931	4.8
South . . . . .	32,724	37,174	25,636	29,123	5,201	5,909	557	633	6.0
West . . . . .	15,709	17,845	11,003	12,499	4,224	4,798	Q	Q	4.8
Census Division									
New England . . . . .	5,630	6,396	2,708	3,077	1,066	1,211	1,688	1,917	7.3
Middle Atlantic . . . . .	19,261	21,881	10,099	11,472	5,382	6,113	3,525	4,004	5.5
East North Central . . . . .	17,233	19,577	9,679	10,995	6,075	6,901	635	721	6.3
West North Central . . . . .	6,437	7,312	3,847	4,371	2,050	2,329	184	209	7.4
South Atlantic . . . . .	16,960	19,267	13,420	15,245	2,234	2,538	519	589	9.2
East South Central . . . . .	5,516	6,266	4,238	4,814	879	998	Q	Q	11.2
West South Central . . . . .	10,248	11,641	7,978	9,063	2,089	2,373	*	*	8.4
Mountain . . . . .	4,274	4,855	2,748	3,121	1,382	1,570	Q	Q	11.3
Pacific . . . . .	11,435	12,990	8,255	9,377	2,842	3,228	Q	Q	6.5
Type of Home									
Mobile Home . . . . .	4,640	5,271	3,079	3,497	718	815	129	147	18.9
Single-Family Detached . . . . .	68,863	78,228	44,924	51,033	16,545	18,795	4,929	5,599	3.7
Single-Family Attached . . . . .	5,966	6,778	4,061	4,613	1,479	1,680	407	462	13.3
2 to 4 Units . . . . .	8,933	10,148	4,686	5,323	3,342	3,797	815	926	11.3
5 or More Units . . . . .	8,591	9,760	6,223	7,069	1,914	2,175	438	498	10.7
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	8,406	9,550	5,716	6,493	1,564	1,777	278	316	9.6
1,001 to 2,000 . . . . .	28,950	32,887	19,487	22,137	6,954	7,900	1,127	1,280	5.7
2,001 to 5,000 . . . . .	47,297	53,729	29,686	33,723	12,284	13,955	4,336	4,926	4.5
5,001 to 10,000 . . . . .	6,793	7,717	4,127	4688	1,950	2,216	638	725	10.3
10,001 to 25,000 . . . . .	2,507	2,848	1,825	2073	619	703	Q	Q	21.9
25,001 to 50,000 . . . . .	877	996	606	688	207	235	Q	Q	24.2
50,001 to 100,000 . . . . .	1,270	1,443	972	1,104	202	230	96	109	26.4
100,001 to 200,000 . . . . .	501	569	308	349	126	144	67	76	34.0
Over 200,000 . . . . .	392	446	246	280	90	102	55	62	26.3
Year Constructed									
1939 or Before . . . . .	22,970	26,094	11,466	13,025	7,920	8,998	2,723	3,094	6.1
1940 to 1949 . . . . .	6,988	7,939	3,931	4,465	2,236	2,540	512	582	9.1
1950 to 1959 . . . . .	14,771	16,780	8,932	10,147	4,010	4,555	1,462	1,661	7.0
1960 to 1969 . . . . .	15,056	17,104	10,010	11,371	3,869	4,395	900	1,022	8.2
1970 to 1979 . . . . .	21,577	24,511	16,148	18,344	3,702	4,205	940	1,067	7.6
1980 to 1990 . . . . .	15,631	17,757	12,485	14,183	2,261	2,569	181	206	9.8

\* = 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 1990 Residential Energy Consumption Survey.

**Table R20.90. Total Expenditures (1987 and 1990 Dollars) for Space Heating by Energy Source in Residential Buildings, 1990 (Million Dollars)**

Building Characteristics	Energy Sources								RSE Row Factors
	All Major Sources		Electricity		Natural Gas		Fuel Oil		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
	NF	NF	NF	NF	NF	NF	NF	NF	
RSE Column Factors:	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings . . . . .	30,079	34,170	5,419	6,156	16,362	18,588	5,986	6,800	
Census Region									
Northeast . . . . .	10,048	11,414	958	1,088	4,328	4,917	4,503	5,115	
Midwest . . . . .	8,898	10,109	1,028	1,168	6,172	7,011	810	921	
South . . . . .	7,145	8,117	2,243	2,548	3,385	3,845	545	619	
West . . . . .	3,988	4,530	1,189	1,351	2,478	2,815	Q	Q	
Census Division									
New England . . . . .	2,521	2,863	266	303	666	756	1,505	1,710	
Middle Atlantic . . . . .	7,527	8,551	692	786	3,662	4,160	2,997	3,405	
East North Central . . . . .	6,668	7,575	787	894	4,613	5,240	630	716	
West North Central . . . . .	2,230	2,533	241	274	1,559	1,771	180	205	
South Atlantic . . . . .	3,792	4,308	1,243	1,412	1,478	1,678	507	576	
East South Central . . . . .	1,462	1,661	502	571	618	702	Q	Q	
West South Central . . . . .	1,891	2,148	497	565	1,290	1,465	*	*	
Mountain . . . . .	1,283	1,457	221	251	950	1,079	Q	Q	
Pacific . . . . .	2,705	3,073	968	1,100	1,528	1,735	Q	Q	
Type of Home									
Mobile Home . . . . .	1,546	1,756	335	381	517	588	129	147	
Single-Family									
Detached . . . . .	21,248	24,138	3,398	3,860	11,677	13,265	4,488	5,099	
Single-Family									
Attached . . . . .	1,934	2,197	538	611	1,016	1,155	362	412	
2 to 4 Units . . . . .	3,410	3,874	427	486	2,231	2,534	714	811	
5 or More Units . . . . .	1,940	2,204	720	818	921	1,046	292	332	
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	2,501	2,841	588	667	1,053	1,197	255	289	
1,001 to 2,000 . . . . .	8,370	9,508	1,680	1,909	4,642	5,273	1,028	1,168	
2,001 to 5,000 . . . . .	15,625	17,751	2,357	2,677	8,722	9,909	3,907	4,439	
5,001 to 10,000 . . . . .	2,255	2,562	374	425	1,272	1,444	567	644	
10,001 to 25,000 . . . . .	593	674	176	200	365	414	Q	Q	
25,001 to 50,000 . . . . .	187	212	60	68	89	101	Q	Q	
50,001 to 100,000 . . . . .	324	368	Q	Q	Q	Q	Q	Q	
100,001 to 200,000 . . . . .	127	144	19	21	63	71	Q	Q	
Over 200,000 . . . . .	97	110	Q	Q	45	52	44	49	
Year Constructed									
1939 or Before . . . . .	9,410	10,689	610	693	5,706	6,482	2,496	2,835	
1940 to 1949 . . . . .	2,496	2,835	221	251	1,624	1,845	471	535	
1950 to 1959 . . . . .	4,775	5,424	539	612	2,726	3,096	1,240	1,409	
1960 to 1969 . . . . .	4,243	4,820	725	823	2,536	2,881	805	915	
1970 to 1979 . . . . .	5,645	6,413	1,899	2,157	2,328	2,644	817	928	
1980 to 1990 . . . . .	3,511	3,988	1,425	1,619	1,443	1,639	157	178	

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 1990 Residential Energy Consumption Survey.

**Table R21.90. Total Expenditures (1987 and 1990 Dollars) for Air Conditioning and Appliances by Energy Source in Residential Buildings, 1990 (Million Dollars)**

Building Characteristics	Energy Source for Air Conditioning		Energy Sources for Appliances						RSE Row Factors
	Electricity		All Major Sources		Electricity		Natural Gas		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
	NF	NF	NF	NF	NF	NF	NF	NF	
RSE Column Factors:	NF	NF	NF	NF	NF	NF	NF	NF	
All Buildings . . . . .	9,884	11,228	43,537	49,458	41,325	46,946	1,786	2,028	
Census Region									
Northeast . . . . .	910	1,034	10,536	11,969	9,846	11,185	600	682	
Midwest . . . . .	1,496	1,699	10,104	11,478	9,620	10,928	381	433	
South . . . . .	6,497	7,381	14,569	16,551	13,988	15,891	419	476	
West . . . . .	981	1,114	8,328	9,461	7,871	8,941	385	437	
Census Division									
New England . . . . .	112	127	2,123	2,412	1,999	2,270	80	91	
Middle Atlantic . . . . .	798	907	8,412	9,556	7,848	8,915	520	591	
East North Central . . . . .	902	1,025	7,276	8,266	6,903	7,842	296	336	
West North Central . . . . .	594	674	2,827	3,212	2,717	3,087	85	97	
South Atlantic . . . . .	3,179	3,611	7,454	8,468	7,167	8,141	174	197	
East South Central . . . . .	837	951	2,372	2,694	2,298	2,611	45	51	
West South Central . . . . .	2,481	2,819	4,743	5,388	4,523	5,138	201	228	
Mountain . . . . .	324	368	2,030	2,306	1,960	2,226	63	72	
Pacific . . . . .	657	746	6,298	7,154	5,911	6,715	322	365	
Type of Home									
Mobile Home . . . . .	433	492	1,858	2,111	1709	1,941	60	68	
Single-Family Detached . . . . .	7,132	8,101	31,716	36,029	30,261	34,377	1,150	1,307	
Single-Family Attached . . . . .	612	695	2,599	2,952	2,490	2,828	106	121	
2 to 4 Units . . . . .	604	686	3,483	3,957	3,212	3,648	252	286	
5 or More Units . . . . .	1,104	1,254	3,880	4,408	3,654	4,151	217	247	
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	671	762	3,760	4,271	3,491	3,966	139	158	
1,001 to 2,000 . . . . .	3,124	3,549	13,419	15,244	12,729	14,461	538	611	
2,001 to 5,000 . . . . .	4,689	5,326	20,967	23,818	20,033	22,757	805	915	
5,001 to 10,000 . . . . .	662	752	2,850	3,238	2,666	3,028	171	194	
10,001 to 25,000 . . . . .	388	441	1,083	1,230	1,041	1,182	42	48	
25,001 to 50,000 . . . . .	92	104	441	501	413	470	Q	Q	
50,001 to 100,000 . . . . .	150	170	589	669	558	634	31	35	
100,001 to 200,000 . . . . .	65	74	226	257	208	236	18	21	
Over 200,000 . . . . .	43	49	202	230	187	212	14	16	
Year Constructed									
1939 or Before . . . . .	880	999	9,615	10,923	8,960	10,179	548	622	
1940 to 1949 . . . . .	482	547	3,038	3,451	2,826	3,211	159	180	
1950 to 1959 . . . . .	1,258	1,429	6,897	7,835	6,514	7,400	340	386	
1960 to 1969 . . . . .	1,821	2,069	6,989	7,940	6,608	7,507	323	367	
1970 to 1979 . . . . .	2,956	3,358	9,778	11,108	9,434	10,717	258	293	
1980 to 1990 . . . . .	2,488	2,827	7,220	8,202	6,983	7,933	159	180	

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 1990 Residential Energy Consumption Survey.

**Table R22.90. Total Expenditures (1987 and 1990 Dollars) by End Use in Residential Buildings, 1990  
(Million Dollars)**

Building Characteristics	End Uses										RSE Row Factors
	All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
	RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	NF	NF	NF	
All Buildings	96,994	110,185	30,079	34,170	13,446	15,274	9,932	11,283	43,537	49,458	1.1
Census Region											
Northeast	24,891	28,276	10,048	11,414	3,398	3,860	910	1,034	10,536	11,969	2.3
Midwest	23,670	26,889	8,898	10,109	3,167	3,598	1,501	1,705	10,104	11,478	1.9
South	32,724	37,174	7,145	8,117	4,488	5,098	6,522	7,409	14,569	16,551	2.3
West	15,709	17,845	3,988	4,530	2,393	2,719	1,000	1,136	8,328	9,461	2.9
Census Division											
New England	5,630	6,396	2,521	2,863	874	993	112	127	2,123	2,412	5.7
Middle Atlantic	19,261	21,881	7,527	8,551	2,524	2,867	798	907	8,412	9,556	3.0
East North Central	17,233	19,577	6,668	7,575	2,385	2,709	904	1,026	7,276	8,266	2.5
West North Central	6,437	7,312	2,230	2,533	782	889	597	678	2,827	3,212	3.9
South Atlantic	16,960	19,267	3,792	4,308	2,521	2,864	3,193	3,627	7,454	8,468	3.7
East South Central	5,516	6,266	1,462	1,661	845	960	837	951	2,372	2,694	6.9
West South Central	10,248	11,641	1,891	2,148	1,122	1,274	2,492	2,831	4,743	5,388	6.3
Mountain	4,274	4,855	1,283	1,457	635	721	326	371	2,030	2,306	7.3
Pacific	11,435	12,990	2,705	3,073	1,758	1,997	673	765	6,298	7,154	4.7
Type of Home											
Mobile Home	4,640	5,271	1,546	1,756	802	911	433	492	1,858	2,111	11.8
Single-Family											
Detached	68,863	78,228	21,248	24,138	8,742	9,931	7,157	8,130	31,716	36,029	2.2
Single-Family											
Attached	5,966	6,778	1,934	2,197	822	934	612	695	2,599	2,952	10.4
2 to 4 Units	8,933	10,148	3,410	3,874	1,432	1,627	607	689	3,483	3,957	8.6
5 or More Units	8,591	9,760	1,940	2,204	1,647	1,872	1,124	1,276	3,880	4,408	7.4
Building Floorspace (square feet)											
Fewer than 1,001	8,406	9,550	2,501	2,841	1,475	1,675	671	762	3,760	4,271	6.3
1,001 to 2,000	28,950	32,887	8,370	9,508	4,027	4,575	3,134	3,560	13,419	15,244	3.6
2,001 to 5,000	47,297	53,729	15,625	17,751	5,998	6,813	4,707	5,347	20,967	23,818	2.9
5,001 to 10,000	6,793	7,717	2,255	2,562	1,017	1,155	671	763	2,850	3,238	8.5
10,001 to 25,000	2,507	2,848	593	674	442	503	388	441	1,083	1,230	15.9
25,001 to 50,000	877	996	187	212	155	176	95	107	441	501	19.6
50,001 to 100,000	1,270	1,443	324	368	204	232	154	174	589	669	21.4
100,001 to 200,000	501	569	127	144	78	89	70	79	226	257	29.7
Over 200,000	392	446	97	110	50	57	43	49	202	230	31.3
Year Constructed											
1939 or Before	22,970	26,094	9,410	10,689	3,063	3,479	882	1,002	9,615	10,923	4.4
1940 to 1949	6,988	7,939	2,496	2,835	973	1,106	482	547	3,038	3,451	6.9
1950 to 1959	14,771	16,780	4,775	5,424	1,839	2,089	1,261	1,432	6,897	7,835	4.9
1960 to 1969	15,056	17,104	4,243	4,820	1,995	2,266	1,829	2,078	6,989	7,940	6.3
1970 to 1979	21,577	24,511	5,645	6,413	3,181	3,613	2,973	3,378	9,778	11,108	4.6
1980 to 1990	15,631	17,757	3,511	3,988	2,395	2,721	2,505	2,846	7,220	8,202	6.4

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

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 1990 Residential Energy Consumption Survey.

**Table R23.90. Electricity Expenditures (1987 and 1990 Dollars) by End Use in Residential Buildings, 1990  
(Million Dollars)**

Building Characteristics	End Uses										RSE Row Factors
	All End Uses		Space Heating		Water Heating		Air Conditioning		Appliances		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
	RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	NF	NF	NF	
All Buildings . . . . .	62,972	71,537	5,419	6,156	6,344	7,207	9,884	11,228	41,325	46,946	1.5
Census Region											
Northeast . . . . .	12,807	14,549	958	1,088	1,093	1,241	910	1,034	9,846	11,185	2.8
Midwest . . . . .	13,526	15,366	1,028	1,168	1,382	1,570	1,496	1,699	9,620	10,928	3.2
South . . . . .	25,636	29,123	2,243	2,548	2,908	3,303	6,497	7,381	13,988	15,891	2.7
West . . . . .	11,003	12,499	1,189	1,351	962	1,092	981	1,114	7,871	8,941	4.0
Census Division											
New England . . . . .	2,708	3,077	266	303	331	376	112	127	1,999	2,270	5.7
Middle Atlantic . . . . .	10,099	11,472	692	786	762	865	798	907	7,848	8,915	3.5
East North Central . . . . .	9,679	10,995	787	894	1,086	1,234	902	1,025	6,903	7,842	4.5
West North Central . . . . .	3,847	4,371	241	274	296	336	594	674	2,717	3,087	4.2
South Atlantic . . . . .	13,420	15,245	1,243	1,412	1,831	2,080	3,179	3,611	7,167	8,141	4.8
East South Central . . . . .	4,238	4,814	502	571	600	682	837	951	2,298	2,611	5.8
West South Central . . . . .	7,978	9,063	497	565	476	541	2,481	2,819	4,523	5,138	7.2
Mountain . . . . .	2,748	3,121	221	251	243	276	324	368	1,960	2,226	8.2
Pacific . . . . .	8,255	9,377	968	1,100	719	817	657	746	5,911	6,715	5.8
Type of Home											
Mobile Home . . . . .	3,079	3,497	335	381	602	684	433	492	1,709	1,941	12.5
Single-Family Detached . . . . .	44,924	51,033	3,398	3,860	4,133	4,695	7,132	8,101	30,261	34,377	2.5
Single-Family Attached . . . . .	4,061	4,613	538	611	421	479	612	695	2,490	2,828	12.5
2 to 4 Units . . . . .	4,686	5,323	427	486	443	503	604	686	3,212	3,648	11.1
5 or More Units . . . . .	6,223	7,069	720	818	745	846	1,104	1,254	3,654	4,151	8.8
Building Floorspace (square feet)											
Fewer than 1,001 . . . . .	5,716	6,493	588	667	966	1,098	671	762	3,491	3,966	6.9
1,001 to 2,000 . . . . .	19,487	22,137	1,680	1,909	1,953	2,219	3,124	3,549	12,729	14,461	4.3
2,001 to 5,000 . . . . .	29,686	33,723	2,357	2,677	2,608	2,963	4,689	5,326	20,033	22,757	3.1
5,001 to 10,000 . . . . .	4,127	4,688	374	425	424	482	662	752	2,666	3,028	9.5
10,001 to 25,000 . . . . .	1,825	2,073	176	200	220	250	388	441	1,041	1,182	18.7
25,001 to 50,000 . . . . .	606	688	60	68	41	46	92	104	413	470	21.7
50,001 to 100,000 . . . . .	972	1,104	Q	Q	107	122	150	170	558	634	25.8
100,001 to 200,000 . . . . .	308	349	19	21	16	19	65	74	208	236	29.5
Over 200,000 . . . . .	246	280	Q	Q	Q	Q	43	49	187	212	37.5
Year Constructed											
1939 or Before . . . . .	11,466	13,025	610	693	1,016	1,154	880	999	8,960	10,179	4.8
1940 to 1949 . . . . .	3,931	4,465	221	251	402	457	482	547	2,826	3,211	7.2
1950 to 1959 . . . . .	8,932	10,147	539	612	622	707	1,258	1,429	6,514	7,400	5.0
1960 to 1969 . . . . .	10,010	11,371	725	823	856	972	1,821	2,069	6,608	7,507	6.9
1970 to 1979 . . . . .	16,148	18,344	1,899	2,157	1,860	2,113	2,956	3,358	9,434	10,717	5.3
1980 to 1990 . . . . .	12,485	14,183	1,425	1,619	1,588	1,804	2,488	2,827	6,983	7,933	6.7

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 1990 Residential Energy Consumption Survey.

**Table R24.90. Natural Gas Expenditures (1987 and 1990 Dollars) by End Use in Residential Buildings, 1990  
(Million Dollars)**

Building Characteristics	End Uses								RSE Row Factors
	All End Uses		Space Heating		Water Heating		Appliances		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
	RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	NF	
All Buildings . . . . .	23,998	27,261	16,362	18,588	5,801	6,590	1,786	2,028	3.3
Census Region									
Northeast . . . . .	6,447	7,324	4,328	4,917	1,519	1,725	600	682	7.5
Midwest . . . . .	8,125	9,230	6,172	7,011	1,567	1,780	381	433	5.3
South . . . . .	5,201	5,909	3,385	3,845	1,373	1,559	419	476	8.3
West . . . . .	4,224	4,798	2,478	2,815	1,342	1,525	385	437	5.1
Census Division									
New England . . . . .	1,066	1,211	666	756	320	363	80	91	13.8
Middle Atlantic . . . . .	5,382	6,113	3,662	4,160	1,199	1,362	520	591	8.9
East North Central . . . . .	6,075	6,901	4,613	5,240	1,165	1,323	296	336	6.7
West North Central . . . . .	2,050	2,329	1,559	1,771	402	457	85	97	6.0
South Atlantic . . . . .	2,234	2,538	1,478	1,678	569	646	174	197	15.8
East South Central . . . . .	879	998	618	702	216	245	45	51	18.7
West South Central . . . . .	2,089	2,373	1,290	1,465	588	668	201	228	7.0
Mountain . . . . .	1,382	1,570	950	1,079	366	416	63	72	12.9
Pacific . . . . .	2,842	3,228	1,528	1,735	976	1,109	322	365	5.5
Type of Home									
Mobile Home . . . . .	718	815	517	588	140	159	60	68	20.8
Single-Family									
Detached . . . . .	16,545	18,795	11,677	13,265	3,692	4,194	1,150	1,307	4.6
Single-Family									
Attached . . . . .	1,479	1,680	1,016	1,155	356	404	106	121	11.3
2 to 4 Units . . . . .	3,342	3,797	2,231	2,534	857	974	252	286	11.6
5 or More Units . . . . .	1,914	2,175	921	1,046	756	859	217	247	11.5
Building Floorspace (square feet)									
Fewer than 1,001 . . . . .	1,564	1,777	1,053	1,197	372	422	139	158	8.1
1,001 to 2,000 . . . . .	6,954	7,900	4,642	5,273	1,765	2,005	538	611	5.3
2,001 to 5,000 . . . . .	12,284	13,955	8,722	9,909	2,738	3,111	805	915	4.7
5,001 to 10,000 . . . . .	1,950	2,216	1,272	1,444	499	567	171	194	11.8
10,001 to 25,000 . . . . .	619	703	365	414	212	241	42	48	18.8
25,001 to 50,000 . . . . .	207	235	89	101	87	99	Q	Q	17.9
50,001 to 100,000 . . . . .	202	230	Q	Q	56	64	31	35	34.4
100,001 to 200,000 . . . . .	126	144	63	71	41	46	18	21	33.9
Over 200,000 . . . . .	90	102	45	52	30	35	14	16	42.2
Year Constructed									
1939 or Before . . . . .	7,920	8,998	5,706	6,482	1,664	1,890	548	622	5.4
1940 to 1949 . . . . .	2,236	2,540	1,624	1,845	453	515	159	180	8.7
1950 to 1959 . . . . .	4,010	4,555	2,726	3,096	941	1,069	340	386	6.2
1960 to 1969 . . . . .	3,869	4,395	2,536	2,881	1,002	1,138	323	367	8.0
1970 to 1979 . . . . .	3,702	4,205	2,328	2,644	1,098	1,248	258	293	7.2
1980 to 1990 . . . . .	2,261	2,569	1,443	1,639	643	731	159	180	11.6

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 1990 Residential Energy Consumption Survey.

**Table R25.90. Fuel Oil Expenditures (1987 and 1990 Dollars) by End Use in Residential Buildings, 1990  
(Million Dollars)**

Building Characteristics	End Uses						RSE Row Factors
	All End Uses		Space Heating		Water Heating		
	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	1987 Dollars	1990 Dollars	
RSE Column Factors:	1.0	1.0	NF	NF	NF	NF	
All Buildings . . . . .	6,718	7,631	5,986	6,800	731	831	6.3
Census Region							
Northeast . . . . .	5,212	5,921	4,503	5,115	386	806	7.1
Midwest . . . . .	819	931	810	921	709	10	17.0
South . . . . .	557	633	545	619	Q	Q	24.4
West . . . . .	Q	Q	Q	Q	Q	Q	0.0
Census Division							
New England . . . . .	1,688	1,917	1,505	1,710	182	207	6.2
Middle Atlantic . . . . .	3,525	4,004	2,997	3,405	527	599	10.1
East North Central . . . . .	635	721	630	716	5	6	20.4
West North Central . . . . .	184	209	180	205	4	4	30.5
South Atlantic . . . . .	519	589	507	576	Q	Q	25.8
East South Central . . . . .	Q	Q	Q	Q	*	*	0.0
West South Central . . . . .	*	*	*	*	*	*	0.0
Mountain . . . . .	Q	Q	Q	Q	*	*	0.0
Pacific . . . . .	Q	Q	Q	Q	Q	Q	0.0
Type of Home							
Mobile Home . . . . .	129	147	129	147	*	*	41.6
Single-Family							
Detached . . . . .	4,929	5,599	4,488	5,099	440	500	7.5
Single-Family					45		
Attached . . . . .	407	462	362	412		51	21.6
2 to 4 Units . . . . .	815	926	714	811	101	115	14.9
5 or More Units . . . . .	438	498	292	332	146	166	17.7
Building Floorspace (square feet)							
Fewer than 1,001 . . . . .	278	316	255	289	Q	Q	24.0
1,001 to 2,000 . . . . .	1,127	1,280	1,028	1,168	99	113	12.7
2,001 to 5,000 . . . . .	4,336	4,926	3,907	4,439	428	487	9.9
5,001 to 10,000 . . . . .	638	725	567	644	71	81	11.7
10,001 to 25,000 . . . . .	Q	Q	Q	Q	Q	Q	0.0
25,001 to 50,000 . . . . .	Q	Q	Q	Q	27	30	0.0
50,001 to 100,000 . . . . .	96	109	Q	Q	41	46	25.6
100,001 to 200,000 . . . . .	67	76	Q	Q	21	24	45.1
Over 200,000 . . . . .	55	62	44	49	11	13	9.6
Year Constructed							
1939 or Before . . . . .	2,723	3,094	2,496	2,835	228	259	12.0
1940 to 1949 . . . . .	512	582	471	535	41	47	16.2
1950 to 1959 . . . . .	1,462	1,661	1,240	1,409	222	252	16.1
1960 to 1969 . . . . .	900	1,022	805	915	94	107	12.7
1970 to 1979 . . . . .	940	1,067	817	928	122	139	19.0
1980 to 1990 . . . . .	181	206	157	178	24	28	18.4

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 1990 Residential Energy Consumption Survey.