

Table 4. Total Energy Expenditures in U.S. Households by Household Income, 1997

	Total	1997 Household Income				Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$10,000	\$10,000 to \$24,999	\$25,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.6	1.5	1.0	0.9	1.0	1.3	1.0	
Million Households								
Total U.S. Households	101.5	13.3	29.1	31.1	27.9	14.6	34.1	2.7
Number of Households, Fuels Used (more than one may apply):								
Electricity ²	101.4	13.3	29.1	31.1	27.9	14.6	34.0	2.7
Natural Gas	61.9	8.0	17.0	19.0	17.9	9.1	20.4	4.3
Fuel Oil	10.0	1.3	2.5	3.2	3.0	1.4	3.4	10.4
Kerosene	3.5	0.4	1.2	1.2	0.6	0.6	1.4	14.5
LPG	8.1	1.0	2.4	2.7	1.9	1.2	2.8	12.7
Wood	15.0	0.7	3.0	4.7	6.7	1.1	3.0	9.4
Billion Dollars								
Total Expenditures, Fuels Used:								
Electricity	88.33	8.36	21.92	26.61	31.43	10.29	24.79	3.4
Natural Gas	35.81	3.74	8.82	11.17	12.08	4.35	10.54	5.4
Fuel Oil	7.11	0.66	1.52	2.21	2.73	0.69	1.97	12.1
Kerosene	0.50	0.08	0.19	0.18	0.06	0.12	0.22	23.4
LPG	4.04	0.43	1.20	1.39	1.02	0.50	1.34	14.8
Total	135.79	13.26	33.65	41.56	47.33	15.95	38.86	2.9
Dollars per Household³								
Total Expenditures per Household, Fuels Used:								
Electricity	871	630	752	855	1,126	703	728	2.3
Natural Gas	579	469	518	589	673	476	516	3.0
Fuel Oil	714	505	603	699	914	498	576	5.3
Kerosene	144	192	149	147	99	185	163	19.6
LPG	500	412	493	518	531	433	482	8.6
Total	1,338	997	1,155	1,335	1,696	1,088	1,140	1.6
Dollars per Million Btu³								
Average Price of Btu Consumption, Fuels Used:								
Electricity	24.97	25.05	24.70	24.63	25.44	25.04	25.16	1.3
Natural Gas	6.78	7.06	6.76	6.78	6.72	6.86	6.88	1.6
Fuel Oil	7.05	6.22	6.87	7.03	7.42	6.16	6.66	1.5
Kerosene	8.51	8.58	8.54	8.41	8.61	8.68	8.64	1.7
LPG	11.23	11.36	11.18	10.66	12.12	11.33	11.42	2.8
Total	13.25	13.05	13.23	13.01	13.55	13.12	13.15	1.8

See footnotes at end of table.

Table 4. Total Energy Expenditures in U.S. Households by Household Income, 1997 (Continued)

	1997 Household Income					Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
	Total	Less than \$10,000	\$10,000 to \$24,999	\$25,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.6	1.5	1.0	0.9	1.0	1.3	1.0	
Price per Physical Unit³								
Average Price of Physical Units of Consumption, Fuels Used:								
Electricity (cents per kWh)	8.5	8.5	8.4	8.4	8.7	8.5	8.6	1.3
Natural Gas (dollars per thousand cf)	6.96	7.25	6.94	6.96	6.90	7.04	7.07	1.6
Fuel Oil (dollars per gallon)	0.98	0.86	0.95	0.98	1.03	0.85	0.92	1.5
Kerosene (dollars per gallon)	1.15	1.16	1.15	1.14	1.16	1.17	1.17	1.7
LPG (dollars per gallon)	1.03	1.04	1.02	0.97	1.11	1.03	1.04	2.8
Million Households								
Number of Households, Where the End Use Is:								
Space Heating ⁴	99.7	12.8	28.5	30.7	27.6	14.0	33.0	2.8
Electric Air-Conditioning ⁵	72.6	8.1	19.3	23.1	22.2	8.3	20.9	3.6
Water Heating ⁶	100.8	13.0	29.0	31.0	27.7	14.4	33.7	2.8
Refrigerators	101.3	13.2	29.1	31.1	27.9	14.6	34.0	2.8
Appliances	101.5	13.3	29.1	31.1	27.9	14.6	34.1	2.7
Billion Dollars								
Total Expenditures, Where the End Use Is:								
Space Heating	42.03	4.33	10.78	13.12	13.79	4.73	12.20	3.3
Electric Air-Conditioning	10.20	0.91	2.39	2.86	4.04	1.00	2.48	6.1
Water Heating	19.76	2.08	5.22	6.14	6.33	2.71	6.40	3.0
Refrigerators	12.14	1.36	3.15	3.55	4.07	1.52	3.61	3.2
Other Appliances and Lighting	51.66	4.58	12.10	15.89	19.10	5.99	14.18	3.2
Dollars per Household³								
Total Expenditures per Household, Where the End Use Is:								
Space Heating	421	338	378	427	499	338	370	2.6
Electric Air-Conditioning	140	113	124	124	182	120	119	4.8
Water Heating	196	160	180	198	228	189	190	1.8
Refrigerators	120	103	108	114	146	104	106	2.0
Other Appliances and Lighting	509	344	415	510	684	409	416	2.0

¹ Below 150 percent of poverty line or 60 percent of median State income.

² The RECS cannot be used to accurately estimate the number of households that do not use electricity.

³ The averages for total and for appliances are over the set of all households; otherwise the averages are over the set of households using a given fuel or over the set using a given end use.

⁴ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

⁵ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (0.9 million). It does include the small number of households where the fuel for central air-conditioning equipment was something other than electricity; those households were treated as if the fuel was electricity.

⁶ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

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, Forms EIA-457 A-G of the 1997 Residential Energy Consumption Survey.