

2001 Consumption and Expenditures Tables

Total Consumption Tables

(26 pages, 95 kb)

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These data are from the 2001 Residential Energy Consumption Survey (RECS) which provides information on the use of energy in residential housing units in the United States. The RECS is a national statistical survey that collects energy-related data for occupied primary housing units. RECS was first conducted in 1978; the twelfth and most recent survey was conducted in 2001. In the 2001 RECS, data were collected from a sample of 4,822 households in housing units statistically selected to represent the 107.0 million housing units in the United States. The RECS data are available for the four Census regions, the nine Census divisions, and for the four most populous States--California, Florida, New York, and Texas.

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World Wide Web: <http://www.eia.doe.gov/emeu/consumption>

Table CE1-1c. Total Energy Consumption in U.S. Households by Climate Zone, 2001 - Preliminary Data

	Climate Zone ¹						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
		RSE Column Factor:	0.4	1.7	1.1	1.1	
Million Households							
Total U.S. Households	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Number of Households, Fuels Used (more than one may apply):							
Electricity ²	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Natural Gas	66.9	4.9	21.2	14.9	13.8	12.1	8.6
Fuel Oil	8.7	1.8	2.9	3.7	Q	Q	17.1
Kerosene	2.9	0.4	0.7	0.7	0.8	0.3	21.6
LPG	9.4	1.6	2.2	1.9	2.1	1.5	20.9
Wood	14.5	2.0	3.1	2.9	3.4	3.0	13.1
Quadrillion Btu							
Total Btu Consumption, Fuels Used:							
Electricity							
Primary	11.56	0.91	2.63	2.52	2.16	3.35	7.9
Site	3.87	0.30	0.88	0.84	0.72	1.12	7.9
Natural Gas	4.84	0.43	1.99	1.09	0.73	0.60	10.1
Fuel Oil	0.71	0.17	0.26	0.26	Q	Q	19.5
Kerosene	0.05	0.01	0.01	0.01	0.01	(*)	31.6
LPG	0.37	0.07	0.11	0.08	0.07	0.04	25.9
Wood	0.37	0.13	0.09	0.07	0.06	0.03	20.0
Total (excludes primary electricity and wood)	9.84	0.98	3.26	2.28	1.55	1.77	7.4
Physical Units							
Physical Units of Total Consumption, Fuels Used:							
Electricity (billion kWh)	1,134	89	258	247	212	328	7.9
Natural Gas (billion cf)	4,708	416	1,936	1,055	713	587	10.1
Fuel Oil (million gallons)	5,105	1,217	1,909	1,903	Q	Q	19.5
Kerosene (million gallons)	351	75	82	81	95	19	31.6
LPG (million gallons)	4,093	762	1,247	873	719	491	25.9
Wood (million cords)	18.7	6.3	4.3	3.5	2.9	1.7	20.0
Million Btu per Household³							
Total Btu Consumption per Household, Fuels Used:							
Electricity							
Primary	108.1	98.1	91.7	104.9	103.1	139.0	3.5
Site	36.2	32.8	30.7	35.1	34.5	46.5	3.5
Natural Gas	72.4	87.0	94.0	72.8	53.1	50.0	3.6
Fuel Oil	81.7	91.5	92.8	72.1	35.3	Q	8.1
Kerosene	16.2	24.8	16.9	14.9	15.9	8.0	24.2
LPG	39.9	44.8	51.2	40.9	31.0	29.4	11.9
Wood	25.9	61.9	27.9	24.1	17.2	11.0	12.9
Total (excludes primary electricity and wood)	92.0	105.9	113.8	95.0	73.7	73.6	2.7

See footnotes at end of table.

Table CE1-1c. Total Energy Consumption in U.S. Households by Climate Zone, 2001 - Preliminary Data (Continued)

	Climate Zone ¹						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	1.7	1.1	1.1	1.3	1.0	
Physical Units per Household³							
Physical Units of Total Consumption per Household, Fuels Used:							
Electricity (kWh)	10,598	9,613	8,993	10,287	10,106	13,627	3.5
Natural Gas (thousand cf)	70	85	91	71	52	49	3.6
Fuel Oil (gallons)	589	661	670	520	254	Q	8.1
Kerosene (gallons)	120	184	125	111	118	59	24.2
LPG (gallons)	437	491	561	448	340	322	11.9
Wood (cords)	1.3	3.1	1.4	1.2	0.9	0.5	12.9
Million Households							
Number of Households, Where the End Use Is:							
Space Heating ⁴	105.3	9.1	28.5	23.7	20.4	23.5	8.0
Electric Air-Conditioning ⁵	80.8	5.3	20.5	19.9	13.4	21.8	8.2
Water Heating ⁶	106.7	9.2	28.6	24.0	20.9	24.0	7.9
Refrigerators	106.8	9.2	28.6	24.0	20.9	24.1	7.9
Appliances	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Quadrillion Btu							
Total Btu Consumption, Where the End Use Is:							
Space Heating	4.60	0.57	1.88	1.15	0.56	0.44	8.9
Electric Air-Conditioning	0.62	0.02	0.09	0.11	0.11	0.30	10.3
Water Heating	1.70	0.14	0.51	0.39	0.32	0.33	6.9
Refrigerators	0.55	0.05	0.14	0.12	0.10	0.14	7.4
Other Appliances and Lighting	2.37	0.20	0.64	0.52	0.46	0.56	7.4
Million Btu per Household³							
Total Btu Consumption per Household, Where the End Use Is:							
Space Heating	43.7	63.1	66.0	48.3	27.3	18.7	4.5
Electric Air-Conditioning	7.7	3.7	4.2	5.7	8.0	13.7	5.0
Water Heating	15.9	15.8	18.0	16.2	15.4	13.9	2.8
Refrigerators	5.1	4.9	4.9	4.8	4.9	6.0	2.7
Other Appliances and Lighting	22.2	21.1	22.4	21.6	21.8	23.1	2.7

¹ One of five climatically distinct areas, determined according to the 30-year average (1961-1990) of the annual heating and cooling degree-days. For this report, the heating or cooling degree-days are a measure of how cold or how hot a location is over a period of one year, relative to a base temperature of 65 degrees Fahrenheit. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

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.

(*) = 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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

**Table CE1-2c. Total Energy Consumption in U.S. Households
by Year of Construction, 2001 - Preliminary Data**

	Total	Year of Construction					1949 or Before	RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959		
RSE Column Factor:	0.5	1.6	1.1	1.0	1.1	1.1	0.9	
Million Households								
Total U.S. Households	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Number of Households, Fuels Used (more than one may apply):								
Electricity ²	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Natural Gas	66.9	9.4	8.8	9.0	9.5	10.3	20.0	5.9
Fuel Oil	8.7	0.3	0.5	0.9	1.3	1.8	3.9	15.5
Kerosene	2.9	0.4	0.3	0.7	0.4	0.3	0.8	20.8
LPG	9.4	1.4	1.5	1.7	1.1	1.0	2.6	13.9
Wood	14.5	2.0	3.0	3.2	2.0	1.7	2.5	9.9
Quadrillion Btu								
Total Btu Consumption, Fuels Used:								
Electricity								
Primary	11.56	2.03	2.31	2.27	1.34	1.35	2.26	4.6
Site	3.87	0.68	0.77	0.76	0.45	0.45	0.76	4.6
Natural Gas	4.84	0.66	0.57	0.57	0.61	0.75	1.68	6.9
Fuel Oil	0.71	0.02	0.04	0.07	0.09	0.14	0.34	17.8
Kerosene	0.05	0.01	(*)	0.02	Q	(*)	0.01	31.8
LPG	0.37	0.06	0.06	0.06	0.04	0.03	0.13	17.4
Wood	0.37	0.03	0.06	0.07	0.04	0.05	0.12	18.1
Total (excludes primary electricity and wood)	9.84	1.43	1.45	1.47	1.19	1.38	2.92	4.5
Physical Units								
Physical Units of Total Consumption, Fuels Used:								
Electricity (billion kWh)	1,134	199	227	222	131	132	222	4.6
Natural Gas (billion cf)	4,708	645	551	551	594	732	1,635	6.9
Fuel Oil (million gallons)	5,105	173	321	486	630	1,034	2,461	17.8
Kerosene (million gallons)	351	66	34	123	Q	25	67	31.8
LPG (million gallons)	4,093	616	620	699	420	295	1,444	17.4
Wood (million cords)	18.7	1.5	3.0	3.7	2.1	2.4	6.0	18.1
Million Btu per Household³								
Total Btu Consumption per Household, Fuels Used:								
Electricity								
Primary	108.1	131.5	126.9	120.9	97.3	95.2	85.1	2.8
Site	36.2	44.0	42.4	40.4	32.5	31.8	28.5	2.8
Natural Gas	72.4	70.9	64.3	63.0	64.6	72.9	84.3	3.5
Fuel Oil	81.7	77.8	91.4	77.3	68.3	79.0	87.5	7.2
Kerosene	16.2	21.3	13.5	23.6	Q	11.4	11.4	25.8
LPG	39.9	40.8	36.6	36.5	34.2	27.1	51.2	10.7
Wood	25.9	14.8	20.0	23.0	21.1	27.6	48.5	14.9
Total (excludes primary electricity and wood)	92.0	92.7	79.3	78.5	86.4	97.3	109.8	2.4

See footnotes at end of table.

**Table CE1-2c. Total Energy Consumption in U.S. Households
by Year of Construction, 2001 - Preliminary Data (Continued)**

	Year of Construction						RSE Row Factors	
	Total	1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959		1949 or Before
RSE Column Factor:	0.5	1.6	1.1	1.0	1.1	1.1	0.9	
Physical Units per Household³								
Physical Units of Total Consumption per Household, Fuels Used:								
Electricity (kWh)	10,598	12,894	12,438	11,852	9,535	9,334	8,342	2.8
Natural Gas (thousand cf)	70	69	63	61	63	71	82	3.5
Fuel Oil (gallons)	589	561	659	557	493	570	631	7.2
Kerosene (gallons)	120	157	100	175	Q	84	85	25.8
LPG (gallons)	437	447	401	399	374	297	560	10.7
Wood (cords)	1.3	0.7	1.0	1.2	1.1	1.4	2.4	14.9
Million Households								
Number of Households, Where the End Use Is:								
Space Heating ⁴	105.3	15.4	18.1	18.5	13.4	13.8	26.2	4.3
Electric Air-Conditioning ⁵	80.8	13.4	15.8	14.2	10.1	10.2	17.1	4.7
Water Heating ⁶	106.7	15.4	18.2	18.7	13.7	14.2	26.4	4.3
Refrigerators	106.8	15.5	18.2	18.7	13.8	14.1	26.5	4.2
Appliances	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Quadrillion Btu								
Total Btu Consumption, Where the End Use Is:								
Space Heating	4.60	0.54	0.53	0.59	0.55	0.69	1.70	5.3
Electric Air-Conditioning	0.62	0.14	0.14	0.12	0.07	0.06	0.09	6.9
Water Heating	1.70	0.27	0.27	0.26	0.22	0.24	0.44	4.6
Refrigerators	0.55	0.08	0.10	0.10	0.07	0.07	0.12	4.4
Other Appliances and Lighting	2.37	0.40	0.41	0.40	0.29	0.31	0.57	4.6
Million Btu per Household³								
Total Btu Consumption per Household, Where the End Use Is:								
Space Heating	43.7	35.1	29.1	32.1	41.1	50.3	64.8	3.6
Electric Air-Conditioning	7.7	10.4	9.0	8.7	6.7	6.3	5.1	5.1
Water Heating	15.9	17.5	15.0	13.9	15.8	16.9	16.7	2.6
Refrigerators	5.1	5.3	5.4	5.4	4.9	5.2	4.7	2.5
Other Appliances and Lighting	22.2	26.1	22.3	21.1	20.7	21.7	21.5	2.7

¹ New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

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.

(*) = 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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

Table CE1-3c. Total Energy Consumption in U.S. Households by Household Income, 2001 - Preliminary Data

	Total	2001 Household Income				Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.5	1.7	0.9	1.0	0.9	1.4	0.9	
Million Households								
Total U.S. Households	107.0	11.0	30.6	27.1	38.3	15.0	33.8	3.3
Number of Households, Fuels Used (more than one may apply):								
Electricity ²	107.0	11.0	30.6	27.1	38.3	15.0	33.8	3.3
Natural Gas	66.9	6.8	18.2	16.4	25.5	9.3	20.7	4.8
Fuel Oil	8.7	0.6	2.2	2.5	3.4	0.8	2.4	12.7
Kerosene	2.9	0.4	0.8	0.9	0.8	0.7	1.2	17.0
LPG	9.4	0.9	2.9	2.6	3.0	1.2	3.0	12.7
Wood	14.5	0.4	2.5	3.6	8.0	0.7	2.3	10.1
Quadrillion Btu								
Total Btu Consumption, Fuels Used:								
Electricity								
Primary	11.56	0.81	2.76	2.89	5.10	1.23	3.05	3.9
Site	3.87	0.27	0.92	0.97	1.71	0.41	1.02	3.9
Natural Gas	4.84	0.38	1.19	1.15	2.13	0.54	1.36	5.8
Fuel Oil	0.71	0.04	0.16	0.19	0.31	0.05	0.18	14.2
Kerosene	0.05	0.01	0.02	0.01	0.01	0.01	0.03	26.5
LPG	0.37	0.03	0.12	0.11	0.13	0.04	0.11	17.1
Wood	0.37	0.03	0.09	0.11	0.14	0.04	0.09	21.0
Total (excludes primary electricity and wood)	9.84	0.72	2.41	2.42	4.29	1.06	2.70	3.6
Physical Units								
Physical Units of Total Consumption, Fuels Used:								
Electricity (billion kWh)	1,134	79	270	284	500	121	299	3.9
Natural Gas (billion cf)	4,708	366	1,153	1,114	2,075	523	1,320	5.8
Fuel Oil (million gallons)	5,105	271	1,184	1,391	2,259	356	1,299	14.1
Kerosene (million gallons)	351	75	131	86	60	110	195	26.5
LPG (million gallons)	4,093	279	1,283	1,157	1,374	452	1,248	17.1
Wood (million cords)	18.7	1.5	4.7	5.4	7.2	1.8	4.7	21.0
Million Btu per Household³								
Total Btu Consumption per Household, Fuels Used:								
Electricity								
Primary	108.1	73.4	90.3	106.8	133.3	82.4	90.1	2.4
Site	36.2	24.5	30.2	35.7	44.6	27.6	30.1	2.4
Natural Gas	72.4	55.8	65.1	69.8	83.6	57.9	65.5	3.0
Fuel Oil	81.7	68.2	73.0	77.9	92.5	65.3	76.6	5.7
Kerosene	16.2	22.5	21.5	13.3	10.4	22.8	21.2	20.3
LPG	39.9	28.6	40.1	41.1	42.1	33.1	37.4	9.4
Wood	25.9	70.0	37.3	30.2	18.0	48.2	41.8	18.4
Total (excludes primary electricity and wood)	92.0	65.3	78.8	89.4	112.0	70.6	79.8	2.2

See footnotes at end of table.

Table CE1-3c. Total Energy Consumption in U.S. Households by Household Income, 2001 - Preliminary Data (Continued)

	2001 Household Income					Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.5	1.7	0.9	1.0	0.9	1.4	0.9	
Physical Units per Household³								
Physical Units of Total Consumption per Household, Fuels Used:								
Electricity (kWh)	10,598	7,195	8,853	10,466	13,067	8,081	8,832	2.4
Natural Gas (thousand cf)	70	54	63	68	81	56	64	3.0
Fuel Oil (gallons)	589	492	527	562	667	471	553	5.7
Kerosene (gallons)	120	166	159	99	77	169	157	20.3
LPG (gallons)	437	313	439	450	461	363	410	9.4
Wood (cords)	1.3	3.5	1.9	1.5	0.9	2.4	2.1	18.4
Million Households								
Number of Households, Where the End Use Is:								
Space Heating ⁴	105.3	10.8	30.2	26.5	37.8	14.6	33.2	3.4
Electric Air-Conditioning ⁵	80.8	6.9	21.7	21.0	31.2	9.1	22.6	3.9
Water Heating ⁶	106.7	11.0	30.5	27.0	38.2	14.9	33.7	3.3
Refrigerators	106.8	11.0	30.5	27.1	38.3	14.9	33.7	3.3
Appliances	107.0	11.0	30.6	27.1	38.3	15.0	33.8	3.3
Quadrillion Btu								
Total Btu Consumption, Where the End Use Is:								
Space Heating	4.60	0.35	1.19	1.14	1.92	0.49	1.30	4.5
Electric Air-Conditioning	0.62	0.03	0.13	0.15	0.31	0.05	0.13	6.1
Water Heating	1.70	0.13	0.41	0.43	0.74	0.20	0.48	3.6
Refrigerators	0.55	0.05	0.14	0.13	0.22	0.06	0.15	3.5
Other Appliances and Lighting	2.37	0.16	0.54	0.58	1.09	0.25	0.63	3.8
Million Btu per Household³								
Total Btu Consumption per Household, Where the End Use Is:								
Space Heating	43.7	32.6	39.3	42.9	50.8	33.7	39.3	3.5
Electric Air-Conditioning	7.7	5.1	6.0	7.0	10.0	5.9	6.0	4.3
Water Heating	15.9	11.8	13.4	15.8	19.3	13.2	14.2	2.2
Refrigerators	5.1	4.3	4.7	4.9	5.9	4.3	4.6	1.9
Other Appliances and Lighting	22.2	14.3	17.7	21.4	28.5	16.7	18.5	2.2

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 2001 Residential Energy Consumption Survey.

**Table CE1-4c. Total Energy Consumption in U.S. Households
by Type of Housing Unit, 2001 - Preliminary Data**

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Multifamily		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.6	1.4	1.8	
Million Households						
Total U.S. Households	107.0	73.7	9.5	17.0	6.8	4.3
Number of Households, Fuels Used (more than one may apply):						
Electricity ¹	107.0	73.7	9.5	17.0	6.8	4.3
Natural Gas	66.9	48.5	6.2	9.9	2.3	6.0
Fuel Oil	8.7	6.4	0.6	1.4	0.2	16.8
Kerosene	2.9	2.2	Q	Q	0.6	16.8
LPG	9.4	7.6	Q	Q	1.6	15.1
Wood	14.5	13.2	0.4	0.3	0.6	16.2
Quadrillion Btu						
Total Btu Consumption, Fuels Used:						
Electricity						
Primary	11.56	8.95	0.69	1.05	0.87	5.1
Site	3.87	2.99	0.23	0.35	0.29	5.1
Natural Gas	4.84	3.98	0.45	0.28	0.14	7.5
Fuel Oil	0.71	0.59	0.06	0.05	0.01	18.7
Kerosene	0.05	0.03	Q	Q	0.02	28.4
LPG	0.37	0.31	Q	Q	0.06	19.5
Wood	0.37	0.36	Q	Q	0.01	20.2
Total (excludes primary electricity and wood)	9.84	7.90	0.74	0.69	0.52	4.4
Physical Units						
Physical Units of Total Consumption, Fuels Used:						
Electricity (billion kWh)	1,134	878	68	103	85	5.1
Natural Gas (billion cf)	4,708	3,864	434	274	135	7.5
Fuel Oil (million gallons)	5,105	4,221	422	397	65	18.7
Kerosene (million gallons)	351	199	Q	Q	146	28.4
LPG (million gallons)	4,093	3,441	Q	Q	626	19.5
Wood (million cords)	18.7	17.8	Q	Q	0.6	20.2
Million Btu per Household²						
Total Btu Consumption per Household, Fuels Used:						
Electricity						
Primary	108.1	121.5	72.9	61.8	127.5	3.0
Site	36.2	40.7	24.4	20.7	42.7	3.0
Natural Gas	72.4	82.0	71.7	28.4	60.1	3.6
Fuel Oil	81.7	91.1	94.4	39.5	40.0	6.5
Kerosene	16.2	12.2	Q	Q	32.8	19.5
LPG	39.9	41.6	Q	Q	35.2	9.8
Wood	25.9	26.9	Q	2.2	19.7	18.7
Total (excludes primary electricity and wood)	92.0	107.2	77.9	40.5	75.7	2.3

See footnotes at end of table.

Table CE1-4c. Total Energy Consumption in U.S. Households by Type of Housing Unit, 2001 - Preliminary Data (Continued)

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Multifamily		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.6	1.4	1.8	
Physical Units per Household²						
Physical Units of Total Consumption per Household, Fuels Used:						
Electricity (kWh)	10,598	11,915	7,150	6,056	12,501	3.0
Natural Gas (thousand cf)	70	80	70	28	58	3.6
Fuel Oil (gallons)	589	657	680	285	288	6.5
Kerosene (gallons)	120	90	Q	Q	243	19.5
LPG (gallons)	437	455	Q	Q	385	9.8
Wood (cords)	1.3	1.3	Q	0.1	1.0	18.7
Million Households						
Number of Households, Where the End Use Is:						
Space Heating ³	105.3	72.8	9.4	16.3	6.8	4.4
Electric Air-Conditioning ⁴	80.8	57.6	6.3	11.8	5.1	4.9
Water Heating ⁵	106.7	73.5	9.5	16.9	6.8	4.3
Refrigerators	106.8	73.6	9.5	16.9	6.8	4.3
Appliances	107.0	73.7	9.5	17.0	6.8	4.3
Quadrillion Btu						
Total Btu Consumption, Where the End Use Is:						
Space Heating	4.60	3.76	0.41	0.21	0.21	5.4
Electric Air-Conditioning	0.62	0.49	0.03	0.05	0.05	7.9
Water Heating	1.70	1.32	0.12	0.18	0.08	4.5
Refrigerators	0.55	0.42	0.04	0.06	0.03	4.5
Other Appliances and Lighting	2.37	1.90	0.14	0.19	0.14	4.7
Million Btu per Household²						
Total Btu Consumption per Household, Where the End Use Is:						
Space Heating	43.7	51.6	44.2	13.1	30.7	4.1
Electric Air-Conditioning	7.7	8.5	4.7	4.5	10.3	5.6
Water Heating	15.9	18.0	12.5	10.5	12.1	2.6
Refrigerators	5.1	5.7	3.8	3.5	4.7	2.2
Other Appliances and Lighting	22.2	25.8	14.9	11.0	20.5	2.5

¹ The RECS cannot be used to accurately estimate the number of households that do not use electricity.

² 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.

³ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

⁴ 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.

⁵ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

Table CE1-5.1u. Total Energy Consumption and Expenditures by Household Member and Demographics, 2001 - Preliminary Data

Household Demographics	Total End-Use Energy								RSE Row Factors
	Households (millions)	Total		Per Household			Per Household Member		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Household Members	Consumption (million Btu)	Expenditures (dollars)	
RSE Column Factor:	1.3	1.5	1.5	0.9	0.7	0.7	0.9	0.8	
Total Households	107.0	9.84	159.15	92.0	1,488	2.6	35.9	580	1.2
Household Size									
1 Person	28.2	1.83	29.40	65.1	1,044	1.0	65.1	1,044	2.0
2 Persons	35.1	3.25	52.12	92.5	1,484	2.0	46.3	742	1.8
3 Persons	17.0	1.67	27.41	98.3	1,610	3.0	32.8	537	2.5
4 Persons	15.6	1.71	27.94	109.6	1,794	4.0	27.4	448	2.7
5 Persons	7.1	0.87	14.16	121.9	1,990	5.0	24.4	398	5.3
6 or More Persons	4.0	0.51	8.11	127.7	2,031	6.7	19.0	302	4.5
2001 Household Income Category									
Less than \$9,999	11.0	0.72	11.49	65.3	1,042	1.9	34.8	555	5.0
\$10,000 to \$14,999	7.7	0.53	8.58	69.6	1,118	2.1	32.7	525	4.9
\$15,000 to \$19,999	8.9	0.71	11.38	80.0	1,278	2.3	35.0	560	4.6
\$20,000 to \$29,999	14.0	1.16	18.37	83.2	1,315	2.3	35.5	560	3.3
\$30,000 to \$39,999	13.9	1.20	19.16	86.1	1,379	2.6	33.7	540	2.9
\$40,000 to \$49,999	13.2	1.23	19.99	92.9	1,515	2.7	34.4	561	3.5
\$50,000 to \$74,999	21.7	2.21	36.19	101.9	1,671	2.9	35.0	573	2.6
\$75,000 to \$99,999	8.1	0.91	14.79	112.6	1,830	2.9	38.5	626	4.3
\$100,000 or More	8.6	1.17	19.18	136.6	2,242	3.0	44.8	736	4.8
Income Relative to Poverty Line									
Below 100 Percent	15.0	1.06	16.99	70.6	1,135	2.6	27.5	442	4.1
100 to 150 Percent	11.5	0.95	15.17	83.0	1,322	2.7	30.6	488	3.9
Above 150 Percent	80.5	7.83	126.99	97.3	1,577	2.5	38.3	620	1.3
Eligible for Federal Assistance¹									
Yes	33.8	2.70	42.82	79.8	1,267	2.7	30.1	478	2.5
No	73.2	7.14	116.33	97.6	1,590	2.5	38.7	630	1.4
Age of Householder									
Under 25 Years	6.1	0.40	6.97	65.4	1,136	2.6	24.7	429	4.7
25 to 34 Years	16.8	1.39	23.03	82.3	1,368	3.0	27.1	451	2.8
35 to 44 Years	22.3	2.22	36.05	99.5	1,613	3.3	30.2	489	2.6
45 to 54 Years	20.7	2.16	34.64	104.3	1,672	2.8	37.9	608	2.9
55 to 64 Years	14.5	1.41	23.16	97.2	1,594	2.1	45.6	748	3.1
65 to 74 Years	12.6	1.11	17.56	88.5	1,393	1.8	49.6	782	3.5
75 Years or More	13.8	1.14	17.75	82.7	1,283	1.7	50.0	777	3.5
Race of Householder									
Non-Hispanic	96.8	9.13	146.95	94.3	1,518	2.5	37.9	610	1.3
Non-Hispanic White	78.7	7.47	120.11	94.9	1,526	2.4	39.4	634	1.5
Non-Hispanic Black	12.7	1.28	20.19	101.0	1,588	2.7	37.6	592	3.9
Multi-racial ²	0.9	0.07	1.18	75.6	1,351	2.8	26.8	480	13.5
Other ³	4.5	0.31	5.48	68.2	1,213	3.3	20.7	369	6.3
Hispanic	10.2	0.71	12.20	70.3	1,200	3.3	21.4	365	4.4

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

² Respondents could select one or more race categories to describe themselves.

³ Includes Native American, Native Alaskan, Asian, and Pacific Islander households.

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 2001 Residential Energy Consumption Survey.

Table CE1-5.2u. Total Energy Consumption and Expenditures by Square Feet and Household Demographics, 2001 - Preliminary Data

Household Demographics	Total End-Use Energy								RSE Row Factors
	Households (millions)	Total		Per Household			Per Square Feet		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Square Feet	Consumption (million Btu)	Expenditures (dollars)	
RSE Column Factor:	1.3	1.5	1.4	0.8	0.7	0.9	0.8	0.8	
Total Households	107.0	9.84	159.15	92.0	1,488	1,975	46.6	0.75	1.3
Household Size									
1 Person	28.2	1.83	29.40	65.1	1,044	1,433	45.5	0.73	2.2
2 Persons	35.1	3.25	52.12	92.5	1,484	2,079	44.5	0.71	2.0
3 Persons	17.0	1.67	27.41	98.3	1,610	2,100	46.8	0.77	2.8
4 Persons	15.6	1.71	27.94	109.6	1,794	2,343	46.8	0.77	2.9
5 Persons	7.1	0.87	14.16	121.9	1,990	2,317	52.6	0.86	5.3
6 or More Persons	4.0	0.51	8.11	127.7	2,031	2,308	55.3	0.88	5.3
2001 Household Income Category									
Less than \$9,999	11.0	0.72	11.49	65.3	1,042	1,168	55.9	0.89	4.6
\$10,000 to \$14,999	7.7	0.53	8.58	69.6	1,118	1,328	52.4	0.84	4.4
\$15,000 to \$19,999	8.9	0.71	11.38	80.0	1,278	1,494	53.5	0.86	4.3
\$20,000 to \$29,999	14.0	1.16	18.37	83.2	1,315	1,555	53.5	0.85	3.1
\$30,000 to \$39,999	13.9	1.20	19.16	86.1	1,379	1,725	49.9	0.80	3.1
\$40,000 to \$49,999	13.2	1.23	19.99	92.9	1,515	2,068	44.9	0.73	3.6
\$50,000 to \$74,999	21.7	2.21	36.19	101.9	1,671	2,360	43.2	0.71	2.7
\$75,000 to \$99,999	8.1	0.91	14.79	112.6	1,830	2,690	41.9	0.68	4.2
\$100,000 or More	8.6	1.17	19.18	136.6	2,242	3,395	40.2	0.66	4.4
Income Relative to Poverty Line									
Below 100 Percent	15.0	1.06	16.99	70.6	1,135	1,227	57.5	0.92	3.8
100 to 150 Percent	11.5	0.95	15.17	83.0	1,322	1,494	55.6	0.89	3.7
Above 150 Percent	80.5	7.83	126.99	97.3	1,577	2,183	44.6	0.72	1.4
Eligible for Federal Assistance¹									
Yes	33.8	2.70	42.82	79.8	1,267	1,435	55.6	0.88	2.5
No	73.2	7.14	116.33	97.6	1,590	2,225	43.9	0.71	1.5
Age of Householder									
Under 25 Years	6.1	0.40	6.97	65.4	1,136	1,154	56.6	0.98	4.6
25 to 34 Years	16.8	1.39	23.03	82.3	1,368	1,673	49.2	0.82	2.9
35 to 44 Years	22.3	2.22	36.05	99.5	1,613	2,096	47.5	0.77	2.6
45 to 54 Years	20.7	2.16	34.64	104.3	1,672	2,307	45.2	0.72	2.9
55 to 64 Years	14.5	1.41	23.16	97.2	1,594	2,207	44.0	0.72	3.1
65 to 74 Years	12.6	1.11	17.56	88.5	1,393	1,932	45.8	0.72	3.6
75 Years or More	13.8	1.14	17.75	82.7	1,283	1,808	45.7	0.71	3.5
Race of Householder									
Non-Hispanic	96.8	9.13	146.95	94.3	1,518	2,035	46.3	0.75	1.4
Non-Hispanic White	78.7	7.47	120.11	94.9	1,526	2,087	45.5	0.73	1.6
Non-Hispanic Black	12.7	1.28	20.19	101.0	1,588	1,827	55.3	0.87	4.6
Multi-racial ²	0.9	0.07	1.18	75.6	1,351	1,526	49.6	0.89	13.1
Other ³	4.5	0.31	5.48	68.2	1,213	1,808	37.7	0.67	6.8
Hispanic	10.2	0.71	12.20	70.3	1,200	1,407	50.0	0.85	4.2

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

² Respondents could select one or more race categories to describe themselves.

³ Includes Native American, Native Alaskan, Asian, and Pacific Islander households.

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 2001 Residential Energy Consumption Survey.

Table CE1-6.1u. Total Energy Consumption and Expenditures by Household Member and Usage Indicators, 2001 - Preliminary Data

Usage Indicators	Total End-Use Energy								RSE Row Factors
	Households (millions)	Total		Per Household			Per Household Member		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Household Members	Consumption (million Btu)	Expenditures (dollars)	
	RSE Column Factor:	1.5	1.6	1.6	0.7	0.7	0.7	0.9	
Total Households	107.0	9.84	159.15	92.0	1,488	2.6	35.9	580	1.2
Weekday Home Activities									
Home Used for Business									
Yes	7.6	0.86	14.05	114.3	1,858	2.9	39.1	635	4.4
No/Don't Know	99.4	8.98	145.10	90.3	1,459	2.5	35.6	576	1.4
Energy-Intensive Activity									
Yes	1.7	0.19	3.12	113.1	1,832	2.8	41.0	664	9.0
No/Don't Know	105.3	9.65	156.04	91.6	1,482	2.6	35.8	579	1.3
Someone Home All Day									
Yes	53.0	5.16	82.60	97.3	1,558	2.7	35.8	574	1.8
No/Don't Know	54.0	4.68	76.55	86.7	1,418	2.4	36.0	588	1.6
Total Floorspace Category¹ (square feet)									
Fewer than 500	3.9	0.15	2.93	38.7	752	1.8	21.6	419	6.5
500 to 999	21.8	1.19	20.86	54.6	958	2.1	26.3	462	3.0
1,000 to 1,499	22.7	1.70	29.26	75.1	1,290	2.5	30.2	519	2.7
1,500 to 1,999	16.6	1.55	25.20	93.1	1,515	2.7	34.7	565	2.7
2,000 to 2,499	13.5	1.44	22.59	106.8	1,670	2.7	39.3	615	3.1
2,500 to 2,999	9.3	1.08	16.44	116.0	1,763	2.7	42.7	650	3.4
3,000 to 3,499	6.9	0.87	13.63	126.3	1,980	3.1	40.3	632	4.7
3,500 to 3,999	4.1	0.58	8.98	143.4	2,216	3.2	45.0	695	5.4
4,000 or More	8.2	1.27	19.25	154.9	2,347	3.0	51.9	786	3.9
Year of Construction									
1939 or Before	19.0	2.16	30.61	113.9	1,615	2.5	46.0	652	3.4
1940 to 1949	7.6	0.76	11.58	99.7	1,515	2.7	37.5	570	4.9
1950 to 1959	14.2	1.38	20.99	97.3	1,482	2.5	38.9	592	3.1
1960 to 1969	13.8	1.19	19.39	86.4	1,407	2.4	35.6	580	3.4
1970 to 1979	18.8	1.47	25.86	78.5	1,379	2.5	31.4	551	3.2
1980 to 1989	18.2	1.45	26.06	79.3	1,429	2.5	31.7	572	3.4
1990 to 1999	14.5	1.33	22.98	91.5	1,580	2.9	31.3	540	5.4
2000 to 2001 ²	0.9	0.10	1.68	111.7	1,850	3.4	33.1	548	15.3
Housing Unit Type and Number of Bedrooms									
Mobile Home	6.8	0.52	9.09	75.7	1,335	2.6	29.3	517	5.5
Less than 3 Bedrooms	3.7	0.26	4.57	71.2	1,232	2.0	35.4	611	6.4
3 or More Bedrooms	3.1	0.25	4.52	81.1	1,459	3.3	24.9	447	7.0
Single-Family Detached	63.1	6.83	108.50	108.3	1,719	2.7	39.6	628	1.6
Less than 3 Bedrooms	12.3	1.04	16.45	85.2	1,343	2.0	43.1	679	3.2
3 Bedrooms	33.5	3.41	54.26	101.6	1,619	2.7	38.2	608	2.2
4 Bedrooms	14.4	1.86	29.74	129.8	2,072	3.3	38.9	621	3.2
5 or More Bedrooms	3.0	0.52	8.04	175.7	2,714	3.8	46.0	711	7.8
Single-Family Attached	10.6	1.06	16.18	100.3	1,528	2.7	37.5	571	5.0
Less than 3 Bedrooms	3.9	0.31	4.72	79.2	1,206	2.1	38.1	581	8.2
3 Bedrooms	4.6	0.46	7.36	100.8	1,608	2.7	37.2	594	6.2
4 or More Bedrooms	2.1	0.29	4.10	138.9	1,956	3.7	37.1	523	9.8
Apartments (2 to 4 units) ...	9.5	0.74	11.92	77.9	1,256	2.3	34.2	552	5.1
Less than 2 Bedrooms	2.6	0.15	2.33	57.5	895	1.7	33.8	526	10.8
2 Bedrooms	5.0	0.38	6.35	74.9	1,260	2.1	34.9	588	5.3
3 or More Bedrooms	1.8	0.21	3.24	114.8	1,753	3.4	33.3	509	10.0

See footnotes at end of table.

Table CE1-6.1u. Total Energy Consumption and Expenditures by Household Member and Usage Indicators, 2001 - Preliminary Data (Continued)

Usage Indicators	Total End-Use Energy								RSE Row Factors
	Households (millions)	Total		Per Household			Per Household Member		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Household Members	Consumption (million Btu)	Expenditures (dollars)	
RSE Column Factor:	1.5	1.6	1.6	0.7	0.7	0.7	0.9	0.8	
Apartments (5 or more units)	17.0	0.69	13.46	40.5	792	2.0	20.3	396	4.3
Less than 2 Bedrooms	8.5	0.27	5.31	32.2	623	1.5	21.0	407	5.1
2 Bedrooms	7.0	0.33	6.38	47.3	909	2.3	20.7	398	6.9
3 or More Bedrooms	1.5	0.08	1.77	56.8	1,213	3.3	17.0	363	11.3

¹ Does **not** include floorspace for unheated garages.

² New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

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 2001 Residential Energy Consumption Survey.

Table CE1-6.2u. Total Energy Consumption and Expenditures by Square Feet and Usage Indicators, 2001 - Preliminary Data

Usage Indicators	Total End-Use Energy								RSE Row Factors
	Households (million)	Total		Per Household			Per Square Feet		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Square Feet	Consumption (million Btu)	Expenditures (dollars)	
RSE Column Factor:	1.6	1.7	1.7	0.8	0.7	0.7	0.8	0.7	
Total Households	107.0	9.84	159.15	92.0	1,488	1,975	46.6	0.75	1.4
Weekday Home Activities									
Home Used for Business									
Yes	7.6	0.86	14.05	114.3	1,858	2,586	44.2	0.72	4.4
No/Don't Know	99.4	8.98	145.10	90.3	1,459	1,929	46.8	0.76	1.5
Energy-Intensive Activity									
Yes	1.7	0.19	3.12	113.1	1,832	2,529	44.7	0.72	8.2
No/Don't Know	105.3	9.65	156.04	91.6	1,482	1,966	46.6	0.75	1.4
Someone Home All Day									
Yes	53.0	5.16	82.60	97.3	1,558	2,065	47.1	0.75	1.9
No/Don't Know	54.0	4.68	76.55	86.7	1,418	1,887	46.0	0.75	1.7
Total Floorspace Category¹ (square feet)									
Fewer than 500	3.9	0.15	2.93	38.7	752	402	96.3	1.87	5.3
500 to 999	21.8	1.19	20.86	54.6	958	770	70.8	1.24	2.6
1,000 to 1,499	22.7	1.70	29.26	75.1	1,290	1,232	61.0	1.05	2.3
1,500 to 1,999	16.6	1.55	25.20	93.1	1,515	1,737	53.6	0.87	2.5
2,000 to 2,499	13.5	1.44	22.59	106.8	1,670	2,227	48.0	0.75	2.8
2,500 to 2,999	9.3	1.08	16.44	116.0	1,763	2,733	42.4	0.65	2.9
3,000 to 3,499	6.9	0.87	13.63	126.3	1,980	3,226	39.2	0.61	4.4
3,500 to 3,999	4.1	0.58	8.98	143.4	2,216	3,697	38.8	0.60	4.7
4,000 or More	8.2	1.27	19.25	154.9	2,347	5,280	29.3	0.44	3.6
Year of Construction									
1939 or Before	19.0	2.16	30.61	113.9	1,615	2,034	56.0	0.79	3.2
1940 to 1949	7.6	0.76	11.58	99.7	1,515	1,853	53.8	0.82	4.9
1950 to 1959	14.2	1.38	20.99	97.3	1,482	2,004	48.5	0.74	3.2
1960 to 1969	13.8	1.19	19.39	86.4	1,407	1,836	47.1	0.77	3.4
1970 to 1979	18.8	1.47	25.86	78.5	1,379	1,737	45.2	0.79	3.3
1980 to 1989	18.2	1.45	26.06	79.3	1,429	1,925	41.2	0.74	3.5
1990 to 1999	14.5	1.33	22.98	91.5	1,580	2,370	38.6	0.67	5.5
2000 to 2001 ²	0.9	0.10	1.68	111.7	1,850	3,036	36.8	0.61	16.2
Housing Unit Type and Number of Bedrooms									
Mobile Home	6.8	0.52	9.09	75.7	1,335	1,055	71.8	1.27	5.1
Less than 3 Bedrooms	3.7	0.26	4.57	71.2	1,232	835	85.4	1.48	5.7
3 or More Bedrooms	3.1	0.25	4.52	81.1	1,459	1,319	61.5	1.11	6.7
Single-Family Detached	63.1	6.83	108.50	108.3	1,719	2,428	44.6	0.71	1.7
Less than 3 Bedrooms	12.3	1.04	16.45	85.2	1,343	1,611	52.9	0.83	3.3
3 Bedrooms	33.5	3.41	54.26	101.6	1,619	2,288	44.4	0.71	2.3
4 Bedrooms	14.4	1.86	29.74	129.8	2,072	3,064	42.4	0.68	3.2
5 or More Bedrooms	3.0	0.52	8.04	175.7	2,714	4,305	40.8	0.63	7.2
Single-Family Attached	10.6	1.06	16.18	100.3	1,528	2,201	45.6	0.69	4.8
Less than 3 Bedrooms	3.9	0.31	4.72	79.2	1,206	1,548	51.2	0.78	7.5
3 Bedrooms	4.6	0.46	7.36	100.8	1,608	2,304	43.7	0.70	6.1
4 or More Bedrooms	2.1	0.29	4.10	138.9	1,956	3,193	43.5	0.61	7.8
Apartments (2 to 4 units) ...	9.5	0.74	11.92	77.9	1,256	1,393	55.9	0.90	4.7
Less than 2 Bedrooms	2.6	0.15	2.33	57.5	895	899	64.0	1.00	8.6
2 Bedrooms	5.0	0.38	6.35	74.9	1,260	1,403	53.4	0.90	5.3
3 or More Bedrooms	1.8	0.21	3.24	114.8	1,753	2,061	55.7	0.85	10.5

See footnotes at end of table.

Table CE1-6.2u. Total Energy Consumption and Expenditures by Square Feet and Usage Indicators, 2001 - Preliminary Data (Continued)

Usage Indicators	Total End-Use Energy								RSE Row Factors
	Households (million)	Total		Per Household			Per Square Feet		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Square Feet	Consumption (million Btu)	Expenditures (dollars)	
RSE Column Factor:	1.6	1.7	1.7	0.8	0.7	0.7	0.8	0.7	
Apartments (5 or more units)	17.0	0.69	13.46	40.5	792	847	47.9	0.93	4.0
Less than 2 Bedrooms	8.5	0.27	5.31	32.2	623	637	50.5	0.98	4.4
2 Bedrooms	7.0	0.33	6.38	47.3	909	1,009	46.9	0.90	6.3
3 or More Bedrooms	1.5	0.08	1.77	56.8	1,213	1,294	43.9	0.94	10.5

¹ Does **not** include floorspace for unheated garages.

² New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

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 2001 Residential Energy Consumption Survey.

Table CE1-7c. Total Energy Consumption in U.S. Households by Four Most Populated States, 2001 - Preliminary Data

	Four Most Populated States					RSE Row Factors
	Total U.S.	New York	California	Texas	Florida	
	0.4	1.1	1.0	1.5	1.5	
Million Households						
Total U.S. Households	107.0	7.1	12.3	7.7	6.3	NF
Number of Households, Fuels Used (more than one may apply):						
Electricity ¹	107.0	7.1	12.3	7.7	6.3	NF
Natural Gas	66.9	5.4	10.5	4.9	1.3	4.1
Fuel Oil	8.7	2.2	Q	Q	Q	19.6
Kerosene	2.9	0.2	0.3	Q	Q	24.6
LPG	9.4	0.5	0.7	0.3	0.4	24.0
Wood	14.5	0.7	2.3	1.1	0.5	17.3
Quadrillion Btu						
Total Btu Consumption, Fuels Used:						
Electricity						
Primary	11.56	0.43	0.75	1.17	0.97	4.6
Site	3.87	0.14	0.25	0.39	0.33	4.6
Natural Gas	4.84	0.39	0.49	0.28	0.03	9.4
Fuel Oil	0.71	0.16	Q	Q	Q	22.6
Kerosene	0.05	(*)	0.01	Q	Q	31.6
LPG	0.37	0.01	0.02	0.01	(*)	29.5
Wood	0.37	0.06	0.04	0.01	(*)	21.8
Total (excludes primary electricity and wood)	9.84	0.70	0.77	0.68	0.36	3.1
Physical Units						
Physical Units of Total Consumption, Fuels Used:						
Electricity (billion kWh)	1,134	42	74	115	95	4.6
Natural Gas (billion cf)	4,708	378	475	271	33	9.4
Fuel Oil (million gallons)	5,105	1,123	Q	Q	Q	22.6
Kerosene (million gallons)	351	29	41	Q	Q	31.7
LPG (million gallons)	4,093	91	234	96	43	29.5
Wood (million cords)	18.7	2.8	1.8	0.6	0.2	21.8
Million Btu per Household²						
Total Btu Consumption per Household, Fuels Used:						
Electricity						
Primary	108.1	60.9	61.0	152.4	153.8	4.6
Site	36.2	20.4	20.4	51.0	51.4	4.6
Natural Gas	72.4	71.4	46.3	57.0	26.3	6.6
Fuel Oil	81.7	70.9	Q	Q	Q	5.4
Kerosene	16.2	22.0	20.5	Q	Q	31.9
LPG	39.9	Q	31.2	30.4	10.6	18.1
Wood	25.9	80.5	15.3	11.1	8.9	15.9
Total (excludes primary electricity and wood)	92.0	99.0	62.4	88.5	57.5	3.1

See footnotes at end of table.

Table CE1-7c. Total Energy Consumption in U.S. Households by Four Most Populated States, 2001 - Preliminary Data (Continued)

	Four Most Populated States					RSE Row Factors
	Total U.S.	New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.5	1.5	
Physical Units per Household²						
Physical Units of Total Consumption per Household, Fuels Used:						
Electricity (kWh)	10,598	5,973	5,978	14,942	15,078	4.6
Natural Gas (thousand cf)	70	69	45	55	26	6.6
Fuel Oil (gallons)	589	511	Q	Q	Q	5.4
Kerosene (gallons)	120	163	151	Q	Q	32.0
LPG (gallons)	437	Q	342	333	116	18.1
Wood (cords)	1.3	4.0	0.8	0.6	0.4	15.9
Million Households						
Number of Households, Where the End Use Is:						
Space Heating ³	105.3	7.0	11.8	7.7	6.2	0.7
Electric Air-Conditioning ⁴	80.8	4.7	5.2	7.4	6.1	2.6
Water Heating ⁵	106.7	7.0	12.2	7.6	6.3	NF
Refrigerators	106.8	7.1	12.3	7.7	6.3	NF
Appliances	107.0	7.1	12.3	7.7	6.3	NF
Quadrillion Btu						
Total Btu Consumption, Where the End Use Is:						
Space Heating	4.60	0.41	0.26	0.20	0.03	6.8
Electric Air-Conditioning	0.62	0.01	0.02	0.11	0.10	8.2
Water Heating	1.70	0.13	0.20	0.12	0.06	3.5
Refrigerators	0.55	0.03	0.05	0.05	0.04	3.7
Other Appliances and Lighting	2.37	0.13	0.24	0.20	0.14	3.2
Million Btu per Household²						
Total Btu Consumption per Household, Where the End Use Is:						
Space Heating	43.7	58.3	22.4	25.5	5.0	6.9
Electric Air-Conditioning	7.7	2.4	3.3	14.9	15.7	6.7
Water Heating	15.9	18.1	16.3	16.2	10.2	3.5
Refrigerators	5.1	3.9	3.9	6.6	5.9	3.6
Other Appliances and Lighting	22.2	18.3	19.6	25.9	21.5	3.2

¹ The RECS cannot be used to accurately estimate the number of households that do not use electricity.
² 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.
³ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
⁴ 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.
⁵ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
(*) = 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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.
NF = No applicable RSE row factor.

**Table CE1-8c. Total Energy Consumption in U.S. Households
by Urban/Rural Location, 2001 - Preliminary Data**

	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.9	1.4	1.3	1.2	
Million Households						
Total U.S. Households	107.0	49.9	18.0	21.2	17.9	4.2
Number of Households, Fuels Used (more than one may apply):						
Electricity ²	107.0	49.9	18.0	21.2	17.9	4.2
Natural Gas	66.9	37.4	11.2	14.4	3.9	5.5
Fuel Oil	8.7	2.6	2.1	1.4	2.6	13.3
Kerosene	2.9	0.5	0.6	0.4	1.4	20.1
LPG	9.4	0.9	1.6	0.8	6.1	14.9
Wood	14.5	3.9	2.4	3.2	5.1	9.4
Quadrillion Btu						
Total Btu Consumption, Fuels Used:						
Electricity						
Primary	11.56	4.51	1.90	2.58	2.57	4.4
Site	3.87	1.51	0.63	0.86	0.86	4.4
Natural Gas	4.84	2.51	0.87	1.15	0.31	6.8
Fuel Oil	0.71	0.18	0.19	0.12	0.22	14.6
Kerosene	0.05	(*)	0.01	Q	0.03	29.1
LPG	0.37	0.02	0.07	0.03	0.26	20.2
Wood	0.37	0.05	0.06	0.04	0.23	15.1
Total (excludes primary electricity and wood)	9.84	4.22	1.77	2.17	1.68	4.1
Physical Units						
Physical Units of Total Consumption, Fuels Used:						
Electricity (billion kWh)	1,134	443	186	253	252	4.4
Natural Gas (billion cf)	4,708	2,438	848	1,121	302	6.8
Fuel Oil (million gallons)	5,105	1,277	1,352	878	1,598	14.6
Kerosene (million gallons)	351	30	56	Q	238	29.1
LPG (million gallons)	4,093	259	726	311	2,796	20.2
Wood (million cords)	18.7	2.3	2.9	2.0	11.5	15.1
Million Btu per Household³						
Total Btu Consumption per Household, Fuels Used:						
Electricity						
Primary	108.1	90.5	105.1	121.8	143.9	2.4
Site	36.2	30.3	35.2	40.7	48.1	2.4
Natural Gas	72.4	67.1	77.6	80.2	79.0	3.2
Fuel Oil	81.7	68.3	88.5	88.1	86.2	5.4
Kerosene	16.2	7.7	13.7	Q	22.2	21.7
LPG	39.9	25.9	42.7	35.4	41.9	11.5
Wood	25.9	11.7	24.6	12.7	45.6	11.9
Total (excludes primary electricity and wood)	92.0	84.7	98.0	102.3	93.9	2.1

See footnotes at end of table.

Table CE1-8c. Total Energy Consumption in U.S. Households by Urban/Rural Location, 2001 - Preliminary Data (Continued)

	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.9	1.4	1.3	1.2	
Physical Units per Household³						
Physical Units of Total Consumption per Household, Fuels Used:						
Electricity (kWh)	10,598	8,877	10,307	11,936	14,111	2.4
Natural Gas (thousand cf)	70	65	75	78	77	3.2
Fuel Oil (gallons)	589	493	638	635	622	5.4
Kerosene (gallons)	120	57	102	Q	165	21.7
LPG (gallons)	437	284	468	387	459	11.5
Wood (cords)	1.3	0.6	1.2	0.6	2.3	11.9
Million Households						
Number of Households, Where the End Use Is:						
Space Heating ⁴	105.3	48.9	17.9	21.1	17.3	4.2
Electric Air-Conditioning ⁵	80.8	35.6	13.4	18.6	13.3	4.3
Water Heating ⁶	106.7	49.7	18.0	21.2	17.8	4.2
Refrigerators	106.8	49.7	18.0	21.2	17.8	4.2
Appliances	107.0	49.9	18.0	21.2	17.9	4.2
Quadrillion Btu						
Total Btu Consumption, Where the End Use Is:						
Space Heating	4.60	1.98	0.90	0.97	0.76	5.1
Electric Air-Conditioning	0.62	0.26	0.08	0.17	0.11	6.1
Water Heating	1.70	0.78	0.29	0.38	0.26	3.9
Refrigerators	0.55	0.23	0.09	0.12	0.10	4.2
Other Appliances and Lighting	2.37	0.98	0.40	0.54	0.45	4.4
Million Btu per Household³						
Total Btu Consumption per Household, Where the End Use Is:						
Space Heating	43.7	40.4	50.1	45.7	43.9	3.4
Electric Air-Conditioning	7.7	7.2	6.3	9.3	8.3	4.2
Water Heating	15.9	15.6	16.2	17.7	14.4	2.1
Refrigerators	5.1	4.7	5.1	5.6	5.7	2.2
Other Appliances and Lighting	22.2	19.7	22.2	25.4	25.3	2.4

¹ Based on the household respondent's description rather than the Federal Government definition.
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.
(*) = 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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

Table CE1-9c. Total Energy Consumption in U.S. Households by Northeast Census Region, 2001 - Preliminary Data

	Northeast Census Region				RSE Row Factors
	Total U.S.	Total	Census Division		
			Middle Atlantic	New England	
	RSE Column Factor:	0.5	1.0	1.2	
Million Households					
Total U.S. Households	107.0	20.3	14.8	5.4	NF
Number of Households, Fuels Used (more than one may apply):					
Electricity ¹	107.0	20.3	14.8	5.4	NF
Natural Gas	66.9	12.5	10.3	2.3	7.5
Fuel Oil	8.7	6.6	3.9	2.7	12.4
Kerosene	2.9	0.7	0.4	Q	24.0
LPG	9.4	1.7	1.0	0.7	16.7
Wood	14.5	2.3	1.3	0.9	13.1
Quadrillion Btu					
Total Btu Consumption, Fuels Used:					
Electricity					
Primary	11.56	1.56	1.17	0.39	3.6
Site	3.87	0.52	0.39	0.13	3.6
Natural Gas	4.84	0.98	0.79	0.19	10.0
Fuel Oil	0.71	0.58	0.30	0.27	14.3
Kerosene	0.05	0.02	0.01	Q	32.5
LPG	0.37	0.05	0.03	0.02	22.2
Wood	0.37	0.10	0.08	0.03	17.0
Total (excludes primary electricity and wood)	9.84	2.15	1.53	0.62	2.4
Physical Units					
Physical Units of Total Consumption, Fuels Used:					
Electricity (billion kWh)	1,134	153	115	38	3.6
Natural Gas (billion cf)	4,708	954	772	181	10.0
Fuel Oil (million gallons)	5,105	4,166	2,196	1,969	14.3
Kerosene (million gallons)	351	155	100	Q	32.5
LPG (million gallons)	4,093	568	299	269	22.2
Wood (million cords)	18.7	5.1	3.8	1.3	17.0
Million Btu per Household²					
Total Btu Consumption per Household, Fuels Used:					
Electricity					
Primary	108.1	76.9	78.8	71.7	3.6
Site	36.2	25.7	26.4	24.0	3.6
Natural Gas	72.4	78.3	77.4	82.5	4.7
Fuel Oil	81.7	87.3	78.8	99.3	4.2
Kerosene	16.2	30.1	33.1	25.8	19.2
LPG	39.9	30.1	27.6	33.4	17.9
Wood	25.9	44.9	56.7	27.9	10.8
Total (excludes primary electricity and wood)	92.0	106.3	103.2	114.9	2.4

See footnotes at end of table.

Table CE1-9c. Total Energy Consumption in U.S. Households by Northeast Census Region, 2001 - Preliminary Data (Continued)

	Northeast Census Region				RSE Row Factors
	Total U.S.	Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.2	1.7	
Physical Units per Household²					
Physical Units of Total Consumption per Household, Fuels Used:					
Electricity (kWh)	10,598	7,539	7,723	7,034	3.6
Natural Gas (thousand cf)	70	76	75	80	4.7
Fuel Oil (gallons)	589	630	568	716	4.2
Kerosene (gallons)	120	223	245	191	19.2
LPG (gallons)	437	329	302	365	17.9
Wood (cords)	1.3	2.2	2.8	1.4	10.8
Million Households					
Number of Households, Where the End Use Is:					
Space Heating ³	105.3	19.9	14.6	5.3	NF
Electric Air-Conditioning ⁴	80.8	14.2	11.1	3.2	3.4
Water Heating ⁵	106.7	20.2	14.8	5.4	NF
Refrigerators	106.8	20.2	14.8	5.4	NF
Appliances	107.0	20.3	14.8	5.4	NF
Quadrillion Btu					
Total Btu Consumption, Where the End Use Is:					
Space Heating	4.60	1.25	0.87	0.38	3.0
Electric Air-Conditioning	0.62	0.05	0.04	0.01	8.4
Water Heating	1.70	0.37	0.26	0.11	2.5
Refrigerators	0.55	0.09	0.07	0.02	2.4
Other Appliances and Lighting	2.37	0.40	0.30	0.10	3.7
Million Btu per Household²					
Total Btu Consumption per Household, Where the End Use Is:					
Space Heating	43.7	62.9	59.8	71.3	3.0
Electric Air-Conditioning	7.7	3.2	3.4	2.7	7.0
Water Heating	15.9	18.1	17.5	19.7	2.6
Refrigerators	5.1	4.4	4.5	4.1	2.4
Other Appliances and Lighting	22.2	19.8	20.0	19.1	3.7

¹ The RECS cannot be used to accurately estimate the number of households that do not use electricity.
² 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.
³ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
⁴ 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.
⁵ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
 NF = No applicable RSE row factor.
 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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

Table CE1-10c. Total Energy Consumption in U.S. Households by Midwest Census Region, 2001 - Preliminary Data

	Midwest Census Region				RSE Row Factors
	Total U.S.	Total	Census Division		
			East North Central	West North Central	
	RSE Column Factor:	0.5	1.0	1.2	
Million Households					
Total U.S. Households	107.0	24.5	17.1	7.4	NF
Number of Households, Fuels Used (more than one may apply):					
Electricity ¹	107.0	24.5	17.1	7.4	NF
Natural Gas	66.9	19.4	14.2	5.2	3.9
Fuel Oil	8.7	0.9	0.5	0.4	15.2
Kerosene	2.9	0.5	0.4	Q	14.6
LPG	9.4	2.3	1.1	1.2	22.0
Wood	14.5	2.5	1.4	1.1	13.1
Quadrillion Btu					
Total Btu Consumption, Fuels Used:					
Electricity					
Primary	11.56	2.43	1.59	0.84	2.4
Site	3.87	0.81	0.53	0.28	2.4
Natural Gas	4.84	1.84	1.39	0.44	5.0
Fuel Oil	0.71	0.06	0.03	0.03	18.8
Kerosene	0.05	(*)	Q	Q	35.3
LPG	0.37	0.15	0.07	0.08	23.1
Wood	0.37	0.09	0.06	0.03	27.7
Total (excludes primary electricity and wood)	9.84	2.86	2.03	0.83	2.2
Physical Units					
Physical Units of Total Consumption, Fuels Used:					
Electricity (billion kWh)	1,134	238	156	82	2.4
Natural Gas (billion cf)	4,708	1,784	1,352	432	5.0
Fuel Oil (million gallons)	5,105	437	234	203	18.9
Kerosene (million gallons)	351	23	Q	Q	35.3
LPG (million gallons)	4,093	1,588	740	847	23.1
Wood (million cords)	18.7	4.6	3.0	1.6	27.7
Million Btu per Household²					
Total Btu Consumption per Household, Fuels Used:					
Electricity					
Primary	108.1	99.1	93.2	112.9	2.4
Site	36.2	33.2	31.2	37.8	2.4
Natural Gas	72.4	94.7	98.2	85.0	2.8
Fuel Oil	81.7	68.4	63.3	75.4	11.0
Kerosene	16.2	6.5	Q	Q	29.9
LPG	39.9	62.9	61.2	64.5	7.1
Wood	25.9	36.7	42.3	29.3	18.4
Total (excludes primary electricity and wood)	92.0	116.6	118.6	112.2	2.2

See footnotes at end of table.

Table CE1-10c. Total Energy Consumption in U.S. Households by Midwest Census Region, 2001 - Preliminary Data (Continued)

	Midwest Census Region				RSE Row Factors
	Total U.S.	Total	Census Division		
			East North Central	West North Central	
RSE Column Factor:	0.5	1.0	1.2	1.5	
Physical Units per Household²					
Physical Units of Total Consumption per Household, Fuels Used:					
Electricity (kWh)	10,598	9,716	9,132	11,066	2.4
Natural Gas (thousand cf)	70	92	95	83	2.8
Fuel Oil (gallons)	589	494	456	546	11.0
Kerosene (gallons)	120	48	Q	Q	29.9
LPG (gallons)	437	689	670	706	7.1
Wood (cords)	1.3	1.8	2.1	1.5	18.4
Million Households					
Number of Households, Where the End Use Is:					
Space Heating ³	105.3	24.4	17.0	7.3	NF
Electric Air-Conditioning ⁴	80.8	20.2	13.4	6.7	2.3
Water Heating ⁵	106.7	24.5	17.1	7.4	NF
Refrigerators	106.8	24.5	17.1	7.4	NF
Appliances	107.0	24.5	17.1	7.4	NF
Quadrillion Btu					
Total Btu Consumption, Where the End Use Is:					
Space Heating	4.60	1.62	1.17	0.45	3.1
Electric Air-Conditioning	0.62	0.10	0.06	0.04	5.2
Water Heating	1.70	0.43	0.30	0.13	2.5
Refrigerators	0.55	0.13	0.09	0.04	2.1
Other Appliances and Lighting	2.37	0.57	0.40	0.17	2.0
Million Btu per Household²					
Total Btu Consumption per Household, Where the End Use Is:					
Space Heating	43.7	66.7	69.0	61.4	3.0
Electric Air-Conditioning	7.7	5.2	4.7	6.2	4.5
Water Heating	15.9	17.5	17.8	16.9	2.5
Refrigerators	5.1	5.2	5.1	5.5	2.1
Other Appliances and Lighting	22.2	23.3	23.4	23.2	2.0

¹ The RECS cannot be used to accurately estimate the number of households that do not use electricity.
² 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.
³ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
⁴ 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.
⁵ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
 (*) = Value rounds to zero in the units displayed.
 NF = No applicable RSE row factor.
 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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

**Table CE1-11c. Total Energy Consumption in U.S. Households
by South Census Region, 2001 - Preliminary Data**

	South Census Region					RSE Row Factors
	Total U.S.	Census Division				
		Total	South Atlantic	East South Central	West south Central	
RSE Column Factor:	0.5	0.8	1.2	1.5	1.5	
Million Households						
Total U.S. Households	107.0	38.9	20.3	6.8	11.8	NF
Number of Households, Fuels Used (more than one may apply):						
Electricity ¹	107.0	38.9	20.3	6.8	11.8	NF
Natural Gas	66.9	18.7	8.0	2.9	7.8	7.0
Fuel Oil	8.7	0.9	0.9	Q	Q	30.6
Kerosene	2.9	1.4	1.0	0.3	Q	19.3
LPG	9.4	3.8	2.1	1.3	0.5	16.6
Wood	14.5	5.2	2.8	0.9	1.5	11.2
Quadrillion Btu						
Total Btu Consumption, Fuels Used:						
Electricity						
Primary	11.56	5.62	2.82	1.08	1.72	3.1
Site	3.87	1.88	0.94	0.36	0.57	3.1
Natural Gas	4.84	1.13	0.49	0.18	0.46	9.1
Fuel Oil	0.71	0.06	0.06	Q	Q	33.2
Kerosene	0.05	0.02	0.01	(*)	Q	32.8
LPG	0.37	0.12	0.06	0.04	0.02	22.7
Wood	0.37	0.09	0.05	0.02	0.02	20.7
Total (excludes primary electricity and wood)	9.84	3.20	1.56	0.59	1.05	3.1
Physical Units						
Physical Units of Total Consumption, Fuels Used:						
Electricity (billion kWh)	1,134	551	277	106	168	3.1
Natural Gas (billion cf)	4,708	1,096	476	175	445	9.1
Fuel Oil (million gallons)	5,105	419	398	Q	Q	33.2
Kerosene (million gallons)	351	129	93	36	Q	32.8
LPG (million gallons)	4,093	1,288	641	454	193	22.7
Wood (million cords)	18.7	4.3	2.3	1.0	1.0	20.7
Million Btu per Household²						
Total Btu Consumption per Household, Fuels Used:						
Electricity						
Primary	108.1	144.4	139.2	158.0	145.3	3.1
Site	36.2	48.3	46.6	52.9	48.6	3.1
Natural Gas	72.4	60.4	61.2	61.6	59.1	4.7
Fuel Oil	81.7	61.6	64.2	Q	Q	13.6
Kerosene	16.2	12.5	13.0	14.4	Q	23.2
LPG	39.9	30.6	28.4	31.5	37.3	12.8
Wood	25.9	16.7	16.6	22.8	13.3	14.4
Total (excludes primary electricity and wood)	92.0	82.2	76.8	86.5	89.0	3.1

See footnotes at end of table.

**Table CE1-11c. Total Energy Consumption in U.S. Households
by South Census Region, 2001 - Preliminary Data (Continued)**

	South Census Region					RSE Row Factors
	Total U.S.	Census Division			West south Central	
		Total	South Atlantic	East South Central		
RSE Column Factor:	0.5	0.8	1.2	1.5	1.5	
Physical Units per Household²						
Physical Units of Total Consumption per Household, Fuels Used:						
Electricity (kWh)	10,598	14,153	13,647	15,492	14,247	3.1
Natural Gas (thousand cf)	70	59	59	60	57	4.7
Fuel Oil (gallons)	589	445	463	Q	Q	13.6
Kerosene (gallons)	120	93	96	107	Q	23.2
LPG (gallons)	437	335	311	345	408	12.8
Wood (cords)	1.3	0.8	0.8	1.1	0.7	14.4
Million Households						
Number of Households, Where the End Use Is:						
Space Heating ³	105.3	38.7	20.0	6.8	11.8	NF
Electric Air-Conditioning ⁴	80.8	36.9	19.0	6.4	11.5	1.6
Water Heating ⁵	106.7	38.9	20.3	6.8	11.8	NF
Refrigerators	106.8	38.9	20.3	6.8	11.8	NF
Appliances	107.0	38.9	20.3	6.8	11.8	NF
Quadrillion Btu						
Total Btu Consumption, Where the End Use Is:						
Space Heating	4.60	1.06	0.51	0.22	0.33	6.6
Electric Air-Conditioning	0.62	0.42	0.20	0.06	0.16	4.1
Water Heating	1.70	0.55	0.27	0.09	0.19	3.0
Refrigerators	0.55	0.23	0.11	0.04	0.08	2.9
Other Appliances and Lighting	2.37	0.93	0.47	0.17	0.30	2.3
Million Btu per Household²						
Total Btu Consumption per Household, Where the End Use Is:						
Space Heating	43.7	27.5	25.6	32.7	27.6	6.6
Electric Air-Conditioning	7.7	11.5	10.6	10.1	13.8	3.5
Water Heating	15.9	14.2	13.2	13.6	16.4	3.0
Refrigerators	5.1	5.9	5.5	6.0	6.4	2.9
Other Appliances and Lighting	22.2	24.0	23.0	24.8	25.3	2.3

¹ The RECS cannot be used to accurately estimate the number of households that do not use electricity.

² 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.

³ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

⁴ 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.

⁵ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

(*) = Value rounds to zero in the units displayed.

NF = No applicable RSE row factor.

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, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

**Table CE1-12c. Total Energy Consumption in U.S. Households
by West Census Region, 2001 - Preliminary Data**

	West Census Region				RSE Row Factors
	Total U.S.	Census Division			
		Total	Mountain	Pacific	
			0.5	1.1	
RSE Column Factor:					
Million Households					
Total U.S. Households	107.0	23.3	6.7	16.6	NF
Number of Households, Fuels Used (more than one may apply):					
Electricity ¹	107.0	23.3	6.7	16.6	NF
Natural Gas	66.9	16.3	4.7	11.6	2.6
Fuel Oil	8.7	0.2	Q	0.2	23.7
Kerosene	2.9	0.4	Q	0.3	17.4
LPG	9.4	1.5	0.5	1.0	17.4
Wood	14.5	4.6	1.0	3.5	10.4
Quadrillion Btu					
Total Btu Consumption, Fuels Used:					
Electricity					
Primary	11.56	1.96	0.68	1.29	3.0
Site	3.87	0.66	0.23	0.43	3.0
Natural Gas	4.84	0.90	0.33	0.57	4.6
Fuel Oil	0.71	0.01	Q	0.01	31.2
Kerosene	0.05	0.01	Q	0.01	35.5
LPG	0.37	0.06	0.03	0.03	24.0
Wood	0.37	0.10	0.02	0.08	17.8
Total (excludes primary electricity and wood)	9.84	1.63	0.58	1.05	2.9
Physical Units					
Physical Units of Total Consumption, Fuels Used:					
Electricity (billion kWh)	1,134	192	66	126	3.0
Natural Gas (billion cf)	4,708	873	317	556	4.6
Fuel Oil (million gallons)	5,105	84	Q	72	31.2
Kerosene (million gallons)	351	45	Q	45	35.5
LPG (million gallons)	4,093	650	339	311	24.0
Wood (million cords)	18.7	4.8	1.0	3.8	17.8
Million Btu per Household²					
Total Btu Consumption per Household, Fuels Used:					
Electricity					
Primary	108.1	84.2	100.5	77.5	3.0
Site	36.2	28.2	33.6	25.9	3.0
Natural Gas	72.4	55.0	68.8	49.4	3.5
Fuel Oil	81.7	52.8	Q	50.8	14.1
Kerosene	16.2	16.7	Q	17.7	29.1
LPG	39.9	39.8	57.9	29.7	11.8
Wood	25.9	20.9	19.1	21.5	14.1
Total (excludes primary electricity and wood)	92.0	70.0	87.0	63.1	2.9

See footnotes at end of table.

**Table CE1-12c. Total Energy Consumption in U.S. Households
by West Census Region, 2001 - Preliminary Data (Continued)**

	West Census Region				RSE Row Factors
	Total U.S.	Census Division			
		Total	Mountain	Pacific	
RSE Column Factor:	0.5	1.1	1.5	1.3	
Physical Units per Household²					
Physical Units of Total Consumption per Household, Fuels Used:					
Electricity (kWh)	10,598	8,251	9,854	7,601	3.0
Natural Gas (thousand cf)	70	53	67	48	3.5
Fuel Oil (gallons)	589	381	Q	367	14.1
Kerosene (gallons)	120	124	Q	131	29.1
LPG (gallons)	437	436	634	325	11.8
Wood (cords)	1.3	1.0	1.0	1.1	14.1
Million Households					
Number of Households, Where the End Use Is:					
Space Heating ³	105.3	22.4	6.7	15.7	NF
Electric Air-Conditioning ⁴	80.8	9.6	3.2	6.3	7.2
Water Heating ⁵	106.7	23.2	6.7	16.5	NF
Refrigerators	106.8	23.2	6.7	16.5	NF
Appliances	107.0	23.3	6.7	16.6	NF
Quadrillion Btu					
Total Btu Consumption, Where the End Use Is:					
Space Heating	4.60	0.66	0.27	0.39	4.7
Electric Air-Conditioning	0.62	0.05	0.03	0.02	9.5
Water Heating	1.70	0.35	0.11	0.25	2.5
Refrigerators	0.55	0.10	0.03	0.07	2.6
Other Appliances and Lighting	2.37	0.46	0.14	0.32	2.8
Million Btu per Household²					
Total Btu Consumption per Household, Where the End Use Is:					
Space Heating	43.7	29.4	40.9	24.6	4.7
Electric Air-Conditioning	7.7	5.4	9.6	3.2	7.3
Water Heating	15.9	15.3	16.0	15.1	2.4
Refrigerators	5.1	4.4	5.1	4.2	2.5
Other Appliances and Lighting	22.2	19.9	20.8	19.6	2.8

¹ The RECS cannot be used to accurately estimate the number of households that do not use electricity.
² 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.
³ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
⁴ 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.
⁵ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.
 NF = No applicable RSE row factor.
 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.
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