Table CE2-3c. Space-Heating Energy Consumption in U.S. Households by Household Income, 2001

RSE Column Factor: 0.6			T = 0.0							
Recommendate				2001 House	hold Income		gible			
Natural Case			than	to	to \$49,999	or More	Line	Fed- eral Assist- ance ¹	RSE Row Factors	
Total U.S. Households	RSE Column Factor:		1.6	0.9						
No Space Heating					Million H	ouseholds				
No Space Heating										
Space-Heating 106.0 10.8 30.3 26.8 38.1 14.6 33.4 3. 3. Not Using a Major Fuel ² 105.3 10.8 30.2 26.5 37.8 14.6 33.2 3. 3. 50.7 40.5 50.2 3.5 50.2 5		107.0	11.0	30.6					3.4	
Not Using a Major Fuel	No Space Heating	1.0	Q		0.3			0.4	23.7	
Using a Major Fuel 105.3	Space Heating	106.0	10.8	30.3	26.8	38.1	14.6	33.4	3.4	
For Main Space Heating Only 1.5 Q 0.4 0.4 0.5 0.2 0.4 2.2		0.7	Q	Q	0.3	0.2	Q	0.2	32.6	
For Secondary Space Heating Only 1.5 Q 0.4 0.4 0.5 0.2 0.4 22 Number of Households with Space Heating, Major Fuels Used (more than one may apply): Electricity 43.8 4.9 12.7 11.1 15.1 6.5 13.9 5 Natural Gas 60.5 5.6 16.5 14.6 23.8 7.8 18.2 5 Fuel Oil 8.5 0.6 2.2 2.4 3.3 0.8 2.4 12 LPG 6.6 0.7 2.1 1.8 2.0 1.0 2.2 15 Quadrillion Btua Space-Heating Btu Consumption, Major Fuels Used: Electricity 0.39 0.04 0.11 0.10 0.14 0.36 0.93 6. 12 Rerosene 0.04 0.01 0.02 0.01 0.01 0.01 0.03 27 Fuel Oil 0.5 0.5 0.03 0.4 0.11 0.10 0.14 0.36 0.93 6. 12 Rerosene 0.04 0.01 0.02 0.01 0.01 0.01 0.03 27 LPG 0.28 0.02 0.09 0.08 0.09 0.03 0.09 18 Total 0.462 0.36 1.20 1.14 1.92 0.50 1.32 4 Physical Units of Space-Heating Consumption, Major Fuels Used: Electricity (illion kyll) 116 11 32 31 42 16 36 88 Physical Units of Space-Heating Consumption, Major Fuels Used: Electricity (illion gallons) 4.155 196 1,007 1,145 1,807 273 1,077 14 Rerosene 0.04 0.15 14 Rerosene 0.04 0.05 0.09 0.09 0.03 0.09 0.8 0.9 0.03 0.09 18 Physical Units of Space-Heating Consumption, Major Fuels Used: Electricity (illion gallons) 4.155 196 1,007 1,145 1,807 273 1,077 14 Rerosene 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	Using a Major Fuel ²	105.3	10.8	30.2	26.5	37.8	14.6	33.2	3.4	
For Secondary Space Heating Only 1.5 Q 0.4 0.4 0.5 0.2 0.4 22 Number of Households with Space Heating, Major Fuels Used (more than one may apply): Electricity 43.8 4.9 12.7 11.1 15.1 6.5 13.9 5 Natural Gas 60.5 5.6 16.5 14.6 23.8 7.8 18.2 5 Fuel Oil 85. 0.6 2.2 2.4 3.3 0.8 2.4 12 Rerosene 2.7 0.4 0.8 0.8 0.7 0.7 7.1 2 17 LPG 0.3 0.3 0.4 0.11 1.8 2.0 1.0 2.2 15 Space-Heating Btu Consumption, Major Fuels Used: Electricity 0.39 0.04 0.11 0.10 0.14 0.05 0.12 8 Natural Gas 3.32 0.26 0.84 0.79 1.44 0.36 0.93 6.93 6.93 6.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0	For Main Space Heating	103.8	10.6	29.8	26.1	37.3	14.4	32.8	3.5	
Heating, Major Fuels Used (more than one may apply):		1.5		0.4	0.4		0.2	0.4	22.3	
Natural Gas	Heating, Major Fuels Used (more than									
Fuel Oil	Electricity	43.8	4.9	12.7	11.1	15.1	6.5	13.9	5.6	
Rerosene	Natural Gas	60.5	5.6	16.5	14.6	23.8	7.8	18.2	5.2	
Rerosene	Fuel Oil	8.5	0.6	2.2	2.4	3.3	0.8	2.4	12.9	
Consumption Major Fuels Used:				0.8	0.8		0.7	1.2	17.5	
Space-Heating Btu Consumption, Major Fuels Used: Electricity	LPG								15.2	
Fuel Used:		Quadrillion Btu ^a								
Fuel Used:										
Natural Gas	Fuels Used:	0.20	0.04	0.44	0.10	0.44	0.05	0.40	0.4	
Fuel Oil	•								8.1	
Natural Gas (billion gallons)									6.3	
Consumption Major Fuels Used: Electricity (billion gallons) 326 70 127 84 46 106 186 27 19G (million gallons) 3,097 238 1,027 900 931 349 952 18									14.5	
Physical Units of Space-Heating Consumption, Major Fuels Used: Electricity (billion kWh) 116 11 32 31 42 16 36 8 8 8 8 1,007 1,145 1,807 273 1,077 14 1,96 1,007 1,145 1,807 273 1,077 14 1,107 1,145 1,807 1,145 1,145 1,807 1,145 1,14									27.4	
Physical Units of Space-Heating Consumption, Major Fuels Used: Electricity (billion kWh)									18.6 4.4	
Physical Units of Space-Heating Consumption, Major Fuels Used: Electricity (billion kWh)	- Total	4.02	0.50	1.20			0.50	1.52	4.4	
Consumption, Major Fuels Used: Electricity (billion kWh)	-				Physic	al Unitsa				
Natural Gas (billion cf)	Consumption, Major Fuels Used:	440				40	40			
Fuel Oil (million gallons)									8.1	
Kerosene (million gallons) 326 70 127 84 46 106 186 27 LPG (million gallons) Million Btu per Householda Average Space-Heating Btu Consumption per Household Using a Major Fuel ² 43.9 33.1 39.7 43.1 50.8 34.1 39.7 3 For Main Space Heating 44.3 33.4 40.0 43.5 51.3 34.5 40.0 3	Natural Gas (billion cf)								6.3	
LPG (million gallons) 3,097 238 1,027 900 931 349 952 18 Million Btu per Householda Average Space-Heating Btu Consumption per Household Using a Major Fuel ² 43.9 33.1 39.7 43.1 50.8 34.1 39.7 3 For Main Space Heating 44.3 33.4 40.0 43.5 51.3 34.5 40.0 3									14.5	
Million Btu per Householda Average Space-Heating Btu Consumption per Household Value of the consumption of the cons				127					27.4	
Average Space-Heating Btu Consumption per Household Using a Major Fuel ²	LPG (million gallons)	3,097	238	1,027	900	931	349	952	18.6	
per Household Using a Major Fuel ² 43.9 33.1 39.7 43.1 50.8 34.1 39.7 3.5 For Main Space Heating 44.3 33.4 40.0 43.5 51.3 34.5 40.0 3.5		Million Btu per Household ^a								
Using a Major Fuel ² 43.9 33.1 39.7 43.1 50.8 34.1 39.7 3 For Main Space Heating 44.3 33.4 40.0 43.5 51.3 34.5 40.0 3	per Household									
For Main Space Heating	Using a Major Fuel ²	43.9	33.1	39.7	43.1	50.8	34.1	39.7	3.4	
For Secondary Space Heating Only									3.5	
to the second of	For Secondary Space Heating Only	18.1	Q	14.9	21.9	18.9	10.6	18.6	23.2	

See footnotes at end of table.

Table CE2-3c. Space-Heating Energy Consumption in U.S. Households by Household Income, 2001 (Continued)

			2001 House	hold Income		Eli- gible			
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More	Below Poverty Line	for Fed- eral Assist- ance ¹		
RSE Column Factor:	0.6	1.6	0.9	1.0	0.9	1.3	0.9	RSE Row Factors	
_			l	Million H	louseholds				
Number of Households, Where the Main									
Space-Heating Fuel Is:									
Electricity	30.9	3.7	9.4	8.1	9.7	4.9	10.3	7.3	
Natural Gas	59.1	5.5	16.2	14.3	23.1	7.7	17.9	5.3	
Fuel Oil	8.0	0.5	2.1	2.2	3.2	0.7	2.3	13.0	
Kerosene	0.8	0.3	0.4	0.1	Q	0.4	0.6	25.1	
LPG	4.9	0.6	1.7	1.4	1.2	0.7	1.8	17.1	
Other	2.2	0.2	0.5	0.8	0.8	0.3	0.6	20.0	
No Space Heating	1.0	Q	0.3	0.3	0.3	0.3	0.4	23.7	
	Million Btu per Household ^{4,a}								
Space-Heating Btu Consumption per									
Space-neating Bita Consumption per Household, ³ Where the Main Space-Heating Fuel Is:									
Electricity	12.0	9.7	10.9	12.4	13.7	10.3	11.2	5.1	
Natural Gas	55.4	46.7	51.4	54.0	61.1	46.6	51.7	3.5	
Fuel Oil	70.2	49.2	65.6	69.3	77.5	50.1	64.8	6.4	
Kerosene	38.3	29.2	35.4	54.2	Q	31.8	33.3	17.6	
LPG	51.0	34.8	51.0	52.7	56.8	38.2	44.6	7.9	
_	Physical Units (PU) per Household ^{4,a}								
Physical Units of Space-Heating Consumption per Household, ³ Where the									
Main Space-Heating Fuel Is: Electricity (kWh)	3,524	2,837	3,203	3,624	4,014	3,015	3,281	5.1	
Natural Gas (thousand cf)	3,524 54	2,837 45	3,203 50	3,624 52	4,014 59	3,015 45	3,∠81 50	3.5	
Fuel Oil (gallons)	507	355	473	499	559	361	468	6.4	
Kerosene (gallons)	283	217	262	401	Q	235	247	17.6	
LPG (gallons)	559	381	558	577	622	419	489	7.9	
	2001 Heating Degree-Days (HDD) per Household ⁴								
2001 Heating Degree-Days per Household, Where the Main									
Space-Heating Fuel Is:									
Electricity	3,006	3,329	3,053	2,979	2,859	3,222	3,273	4.7	
Natural Gas	4,255	4,167	4,247	4,378	4,206	3,986	4,277	2.4	
Fuel Oil	5,339	5,501	5,471	5,259	5,279	5,461	5,456	4.0	
Kerosene	4,636	4,297	4,484	5,355	Q	4,309	4,404	8.1	
	4.0.10	0 0=0	4.000	40.00	4 000	4.0=0	4		
LPGAverage for All Heated Households	4,643 4,004	3,852 3,940	4,630 4,006	4,840 4,063	4,800 3,980	4,072 3,836	4,557 4,084	6.9 2.0	

See footnotes at end of table.

Table CE2-3c. Space-Heating Energy Consumption in U.S. Households by Household Income, 2001 (Continued)

			2001 House	hold Income		Eli- gible			
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More	Below Poverty Line	for Fed- eral Assist- ance ¹	RSE Row Factors	
RSE Column Factor:		1.6							
		1	Heated Squ	ıare Footag	e (HSF) pe	r Household ⁴			
Heated Square Footage per Household, Where the Main Space-Heating Fuel Is:									
Electricity	1,399	786	1,035	1,296	2,072	866	967	4.9	
Natural Gas	1,836	1,067	1,340	1,688	2,458	1,100	1,319	2.7	
Fuel Oil	2,043	1,106	1,670	1,956	2,506	1,235	1,544	7.2	
Kerosene	1,076 1,570	746 1,026	1,129 1,205	1,422 1.746	Q 2,127	800 1.040	968 1,232	11.2 7.9	
Average for All Heated Households	1,707	965	1,203	1,746	2,354	1,022	1,232	2.3	
_	Space-Heating Intensity ^{4,a} [PU÷{HDD×(HSF÷1000)}]								
Space-Heating Intensity, Where the Main Space-Heating Fuel Is:									
Electricity (kWh)	0.838	1.084	1.014	0.939	0.678	1.081	1.036	4.7	
Natural Gas (cubic feet)	6.893	10.218	8.780	7.103	5.745	10.335	8.915	3.2	
Fuel Oil (gallons)	0.046	0.058	0.052	0.049	0.042	0.054	0.056	7.5	
Kerosene (gallons)	0.057	0.068	0.052	Q	Q	0.068	0.058	20.8	
LPG (gallons)	0.077	0.097	0.100	0.068	0.061	0.099	0.087	9.2	

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

² The major fuels are electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas (LPG).

³ Includes only the space-heating consumption of the space-heating fuel. Not included are: 1) the consumption of the main space-heating fuel for uses other than space heating; 2) the consumption of the main space-heating fuel where it is the secondary, and not the main, space-heating fuel, and; 3) the consumption of other fuels that are used as secondary space-heating fuels.

⁴ Averages are for those households using each of the main space-heating fuels.

^a The row factor in this section is underestimated because it contains no error for estimating the end-use.

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.