

2001 Housing Characteristics Tables

Space Heating Tables

(Percent of U.S. Households; 24 pages, 133 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 eleventh 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 HC3-1b. Space Heating by Climate Zone,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total	Climate Zone ¹					RSE Row Factors
		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:	0.5	1.5	1.1	1.1	1.1	1.0	
Total	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	100.0	99.9	99.5	98.4	97.9	NE
Do Not Heat Home	0.9	Q	Q	Q	1.6	2.1	16.6
No Heating Equipment	0.5	Q	Q	Q	Q	1.7	29.4
Have Equipment But Do Not Use It	0.4	Q	Q	Q	0.9	Q	30.5
Main Heating Fuel and Equipment							
(Have and Use Equipment)	99.1	100.0	99.9	99.5	98.4	97.9	NE
Natural Gas	55.2	52.2	70.5	51.5	56.3	40.9	5.8
Central Warm-Air Furnace	41.9	41.8	56.1	36.8	38.6	33.1	6.9
For One Housing Unit	40.2	39.9	53.8	34.1	37.4	32.6	7.0
For Two or More Units	1.7	Q	2.3	2.6	1.3	Q	29.9
Steam or Hot-Water System	7.4	8.7	12.5	12.9	1.3	Q	16.3
For One Housing Unit	4.8	6.4	8.8	7.5	Q	Q	17.9
For Two or More Units	2.6	Q	3.7	5.4	Q	Q	23.4
Floor, Wall, or Pipeless Furnace	2.9	Q	Q	1.3	10.0	2.1	23.5
Room Heater	2.6	Q	0.8	Q	5.6	4.8	22.3
Other	0.5	Q	Q	Q	Q	Q	49.8
Electricity	28.9	13.1	13.8	26.2	32.7	52.5	9.2
Built-In Electric Units	5.7	9.6	7.9	7.8	4.0	Q	19.4
Central Warm-Air Furnace	11.8	1.7	3.0	6.4	11.1	32.2	13.5
For One Housing Unit	11.1	Q	2.4	5.6	11.0	30.5	14.6
For Two or More Units	0.7	Q	Q	Q	Q	1.6	46.8
Heat Pump	9.7	Q	2.0	11.0	15.5	15.7	18.4
Other	1.7	Q	0.9	Q	2.1	3.5	25.8
Fuel Oil	7.5	18.6	9.3	14.4	Q	Q	16.3
Steam or Hot-Water System	4.1	7.8	5.5	8.7	Q	Q	18.1
For One Housing Unit	3.1	6.6	4.8	5.4	Q	Q	20.4
For Two or More Units	1.1	Q	0.8	3.3	Q	Q	25.4
Central Warm-Air Furnace	3.1	10.3	3.7	4.7	Q	Q	22.1
Other	0.3	Q	Q	Q	Q	Q	49.7
Wood	1.9	6.2	1.1	2.3	2.0	Q	25.3
Heating Stove	1.4	4.7	0.9	1.7	1.3	Q	28.7
Other	0.5	Q	Q	Q	Q	Q	37.5
LPG	4.6	8.2	4.6	4.4	4.6	3.6	26.7
Central Warm-Air Furnace	3.1	6.4	3.9	3.2	2.3	1.7	30.6
Room Heater	1.0	Q	Q	0.9	Q	1.8	35.0
Other	0.5	Q	Q	Q	Q	Q	40.5
Kerosene	0.8	1.4	Q	Q	1.7	Q	28.2
Other	0.2	Q	Q	Q	Q	Q	82.5
Amount of Heat Provided by Main Heating Equipment							
All or Almost All	90.2	89.0	91.8	92.6	85.9	90.1	1.1
About Three-Fourths	4.0	6.5	3.7	2.7	5.8	3.1	14.5
Closer to One-Half	3.5	3.4	2.9	3.3	5.3	2.9	17.4
Don't Know	1.4	Q	1.6	Q	1.5	1.8	24.5

See footnotes at end of table.

**Table HC3-1b. Space Heating by Climate Zone,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total	Climate Zone ¹					RSE Row Factors
		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:	0.5	1.5	1.1	1.1	1.1	1.0	
Age of Main Heating Equipment							
Less than 2 Years	8.1	6.4	7.4	7.0	8.8	10.2	11.6
2 to 4 Years	12.5	12.4	11.7	13.7	12.9	12.0	9.4
5 to 9 Years	20.0	23.1	17.8	18.4	19.0	24.0	7.7
10 to 19 Years	22.4	24.3	22.5	22.2	20.8	23.3	7.7
20 Years or More	24.8	25.5	28.6	23.7	28.0	18.4	6.3
Don't Know	11.2	8.4	11.9	14.5	9.1	10.0	13.2
Secondary Heating Fuel and Equipment (more than one may apply)							
No	67.4	61.7	69.6	70.7	62.5	68.0	3.1
Yes	31.7	38.3	30.3	28.8	36.0	29.9	6.4
Natural Gas	5.2	1.9	5.3	4.1	6.2	6.6	18.1
Fireplace	3.0	Q	4.2	2.2	3.8	2.6	19.3
Room Heater	0.9	Q	0.6	Q	1.3	1.5	31.3
Central Warm-Air Furnace	0.7	Q	Q	1.5	Q	Q	30.2
Other Equipment	0.6	Q	Q	Q	Q	1.8	38.8
Electricity	14.7	17.5	15.7	13.7	15.4	12.8	8.6
Portable Heater	11.0	12.5	11.8	10.2	11.9	9.7	8.9
Built-in Electric Units	2.3	3.8	2.9	2.1	2.1	1.2	23.3
Heat Pump	1.1	Q	1.2	1.0	1.3	1.2	30.8
Other Equipment	0.6	Q	Q	Q	Q	Q	38.1
Fuel Oil	0.4	Q	Q	Q	Q	Q	44.8
Wood	11.6	15.9	9.7	9.9	14.2	11.7	10.7
Fireplace	8.8	8.4	7.0	6.5	12.0	10.6	11.0
Heating Stove	2.8	8.2	3.0	3.2	1.8	0.9	19.9
Other Equipment	0.3	Q	Q	Q	Q	Q	48.1
LPG	1.9	3.4	1.5	1.4	3.4	1.0	26.7
Kerosene	1.8	2.9	1.6	2.4	1.7	Q	21.9
Other	0.4	Q	Q	Q	Q	Q	42.6

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.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-2b. Space Heating by Year of Construction,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.5	1.4	1.1	1.1	1.1	1.1	0.9	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	99.7	99.8	99.1	98.4	98.1	99.1	NE
Do Not Heat Home	0.9	Q	Q	Q	1.6	1.9	Q	22.8
No Heating Equipment	0.5	Q	Q	Q	1.3	Q	Q	29.6
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	Q	Q	35.7
Main Heating Fuel and Equipment								
(Have and Use Equipment)	99.1	99.7	99.8	99.1	98.4	98.1	99.1	NE
Natural Gas	55.2	55.2	40.3	41.8	61.4	65.0	66.5	4.5
Central Warm-Air Furnace	41.9	52.7	35.9	35.8	47.4	48.8	37.6	5.6
For One Housing Unit	40.2	52.2	35.7	34.5	43.8	47.9	34.4	5.8
For Two or More Units	1.7	Q	Q	1.3	3.6	Q	3.2	29.1
Steam or Hot-Water System	7.4	Q	2.9	3.6	6.8	6.9	17.4	15.3
For One Housing Unit	4.8	Q	1.7	1.4	3.3	5.3	12.0	22.4
For Two or More Units	2.6	Q	1.2	2.2	3.4	1.6	5.4	26.8
Floor, Wall, or Pipeless Furnace	2.9	Q	Q	1.3	4.5	4.6	5.5	19.4
Room Heater	2.6	Q	Q	1.0	2.6	4.5	4.7	21.4
Other	0.5	Q	Q	Q	Q	Q	1.3	44.7
Electricity	28.9	35.9	49.5	44.6	21.7	15.7	10.5	7.4
Built-In Electric Units	5.7	4.9	6.2	11.7	4.9	3.3	3.4	16.8
Central Warm-Air Furnace	11.8	14.2	24.4	16.4	8.7	5.5	3.4	12.5
For One Housing Unit	11.1	13.8	22.2	15.5	8.3	5.2	3.2	13.2
For Two or More Units	0.7	Q	2.2	Q	Q	Q	Q	47.4
Heat Pump	9.7	15.3	17.5	14.9	6.7	5.0	1.5	16.2
Other	1.7	1.5	1.3	1.7	Q	2.0	2.1	27.5
Fuel Oil	7.5	1.6	2.5	4.2	8.0	12.4	13.9	15.8
Steam or Hot-Water System	4.1	1.0	1.0	2.1	4.6	5.5	8.5	17.6
For One Housing Unit	3.1	0.9	0.8	2.0	3.2	4.6	5.7	20.0
For Two or More Units	1.1	Q	Q	Q	Q	Q	2.8	22.2
Central Warm-Air Furnace	3.1	Q	1.3	1.9	2.6	6.2	5.2	22.5
Other	0.3	Q	Q	Q	Q	Q	Q	48.1
Wood	1.9	1.0	2.2	2.5	1.9	1.7	2.0	24.6
Heating Stove	1.4	0.9	1.4	1.8	1.6	Q	1.3	28.6
Other	0.5	Q	Q	Q	Q	Q	0.7	32.8
LPG	4.6	5.1	4.8	4.2	4.3	2.7	5.8	19.1
Central Warm-Air Furnace	3.1	4.8	3.9	3.3	2.2	1.6	2.9	23.2
Room Heater	1.0	Q	Q	Q	Q	Q	1.9	28.4
Other	0.5	Q	Q	Q	Q	Q	1.0	35.9
Kerosene	0.8	Q	Q	1.7	Q	Q	Q	28.3
Other	0.2	Q	Q	Q	Q	Q	Q	79.8
Amount of Heat Provided by Main Heating Equipment								
All or Almost All	90.2	93.3	92.5	88.0	89.6	88.0	89.9	1.2
About Three-Fourths	4.0	3.4	2.4	5.1	3.8	5.1	4.1	16.0
Closer to One-Half	3.5	1.7	3.4	4.1	3.4	3.2	4.4	19.6
Don't Know	1.4	1.4	1.6	1.9	1.6	1.8	0.7	27.6

See footnotes at end of table.

**Table HC3-2b. Space Heating by Year of Construction,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.5	1.4	1.1	1.1	1.1	1.1	0.9	
Age of Main Heating Equipment								
Less than 2 Years	8.1	14.6	7.0	7.3	8.0	8.6	5.6	12.6
2 to 4 Years	12.5	26.7	7.3	10.2	10.4	12.3	10.7	9.9
5 to 9 Years	20.0	46.1	11.3	15.6	15.2	18.6	17.2	7.9
10 to 19 Years	22.4	10.9	55.7	12.4	16.7	19.4	18.0	7.5
20 Years or More	24.8	Q	7.4	40.7	36.1	29.2	31.7	6.4
Don't Know	11.2	1.5	11.1	12.9	12.0	10.0	16.0	12.6
Secondary Heating Fuel and Equipment (more than one may apply)								
No	67.4	66.8	68.2	66.8	66.6	67.5	68.0	2.6
Yes	31.7	32.9	31.6	32.3	31.8	30.5	31.2	5.5
Natural Gas	5.2	9.1	5.5	3.9	3.9	5.9	3.9	16.3
Fireplace	3.0	7.8	3.3	2.7	1.9	1.8	1.6	19.4
Room Heater	0.9	Q	Q	Q	Q	2.3	1.0	31.0
Central Warm-Air Furnace	0.7	Q	1.2	Q	Q	Q	Q	31.5
Other Equipment	0.6	Q	Q	Q	Q	Q	1.0	46.2
Electricity	14.7	10.0	11.5	14.1	14.6	16.5	19.1	8.1
Portable Heater	11.0	7.0	8.7	10.1	11.2	13.5	14.3	9.4
Built-in Electric Units	2.3	Q	1.5	2.3	2.5	2.5	3.3	23.1
Heat Pump	1.1	Q	Q	1.5	Q	Q	1.0	31.9
Other Equipment	0.6	Q	Q	Q	Q	Q	Q	36.8
Fuel Oil	0.4	Q	Q	Q	Q	Q	Q	43.3
Wood	11.6	12.3	14.4	14.5	12.7	10.5	7.3	9.9
Fireplace	8.8	11.1	11.4	10.7	9.9	8.3	4.1	11.2
Heating Stove	2.8	1.2	3.1	3.6	3.5	2.1	3.0	19.3
Other Equipment	0.3	Q	Q	Q	Q	Q	Q	46.5
LPG	1.9	2.5	2.5	2.2	1.4	Q	1.7	26.1
Kerosene	1.8	2.0	Q	1.8	Q	Q	2.4	22.6
Other	0.4	Q	Q	Q	Q	Q	Q	41.2

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.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-3b. Space Heating by Household Income,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total	2001 Household Income				Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$14,999	\$15,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.6	1.3	1.1	1.0	0.9	1.4	1.0	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	98.3	99.4	99.0	99.3	97.8	98.7	NE
Do Not Heat Home	0.9	1.7	Q	1.0	0.7	2.2	1.3	23.6
No Heating Equipment	0.5	Q	Q	Q	0.6	Q	Q	34.3
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	1.5	0.8	22.6
Main Heating Fuel and Equipment								
(Have and Use Equipment)	99.1	98.3	99.4	99.0	99.3	97.8	98.7	NE
Natural Gas	55.2	50.0	54.1	52.6	60.3	51.1	52.9	4.1
Central Warm-Air Furnace	41.9	28.4	39.0	40.7	51.1	27.9	33.2	5.2
For One Housing Unit	40.2	25.1	36.9	39.6	50.0	24.2	30.4	5.5
For Two or More Units	1.7	3.3	2.1	1.1	1.1	3.7	2.8	22.1
Steam or Hot-Water System	7.4	9.8	8.3	6.7	6.1	10.4	10.5	11.0
For One Housing Unit	4.8	5.7	4.7	4.1	4.9	6.0	6.0	15.4
For Two or More Units	2.6	4.1	3.6	2.6	1.2	4.5	4.5	19.2
Floor, Wall, or Pipeless Furnace	2.9	5.0	3.2	3.1	1.5	5.9	4.1	17.0
Room Heater	2.6	5.7	3.0	1.7	1.4	5.7	4.3	18.2
Other	0.4	1.1	Q	Q	Q	Q	0.8	29.3
Electricity	28.9	34.0	29.7	29.8	25.4	32.5	30.3	6.4
Built-In Electric Units	5.7	11.4	5.6	5.7	3.1	10.2	8.5	13.4
Central Warm-Air Furnace	11.8	12.7	14.2	12.5	9.4	13.5	12.6	10.4
For One Housing Unit	11.1	10.6	13.3	11.9	9.3	11.8	11.1	11.1
For Two or More Units	0.7	2.1	Q	Q	Q	1.7	1.5	36.5
Heat Pump	9.7	6.6	7.0	10.9	12.0	5.5	6.0	16.7
Other	1.7	3.3	2.9	Q	0.9	3.2	3.2	22.1
Fuel Oil	7.5	5.2	7.3	8.0	8.4	5.0	6.7	12.9
Steam or Hot-Water System	4.1	2.9	3.8	4.3	4.8	2.7	3.2	14.6
For One Housing Unit	3.1	1.2	2.1	3.4	4.3	1.1	1.6	17.5
For Two or More Units	1.1	1.7	1.6	0.9	0.5	1.7	1.6	26.0
Central Warm-Air Furnace	3.1	2.0	3.4	3.5	3.1	1.9	3.2	20.0
Other	0.3	Q	Q	Q	Q	Q	Q	42.0
Wood	1.9	2.0	1.3	2.5	1.8	1.8	1.7	21.0
Heating Stove	1.4	1.8	1.1	1.5	1.2	1.8	1.5	23.3
Other	0.5	Q	Q	1.0	0.5	Q	Q	33.1
LPG	4.6	5.1	5.8	5.3	3.2	4.9	5.3	17.0
Central Warm-Air Furnace	3.1	2.2	3.7	4.1	2.6	1.8	3.0	20.1
Room Heater	1.0	2.0	1.6	Q	Q	2.0	1.5	27.0
Other	0.5	Q	Q	Q	Q	Q	0.7	34.2
Kerosene	0.8	2.0	1.2	0.5	Q	2.4	1.7	24.9
Other	0.2	Q	Q	Q	Q	Q	Q	69.7
Amount of Heat Provided by Main Heating Equipment								
All or Almost All	90.2	91.6	92.7	89.5	88.6	91.1	91.8	1.0
About Three-Fourths	4.0	2.7	3.4	3.7	5.2	2.6	2.9	13.9
Closer to One-Half	3.5	3.6	2.7	3.9	3.6	3.8	3.3	17.2
Don't Know	1.4	Q	Q	1.9	2.0	Q	0.5	23.8

See footnotes at end of table.

**Table HC3-3b. Space Heating by Household Income,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total	2001 Household Income				Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$14,999	\$15,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.6	1.3	1.1	1.0	0.9	1.4	1.0	
Age of Main Heating Equipment								
Less than 2 Years	8.1	7.4	8.6	5.6	10.0	7.8	7.4	10.3
2 to 4 Years	12.5	9.2	13.0	12.6	13.8	8.2	11.0	9.1
5 to 9 Years	20.0	13.4	16.5	20.8	24.7	13.7	14.9	7.6
10 to 19 Years	22.4	18.4	18.1	24.5	25.6	16.6	17.8	6.8
20 Years or More	24.8	31.1	28.4	24.3	19.9	29.8	30.1	5.3
Don't Know	11.2	18.8	14.7	11.1	5.4	21.7	17.4	9.2
Secondary Heating Fuel and Equipment (more than one may apply)								
No	67.4	77.2	75.2	67.7	57.8	77.4	76.0	2.0
Yes	31.7	21.2	24.1	31.3	41.6	20.4	22.7	5.2
Natural Gas	5.2	2.6	3.2	4.6	8.1	2.4	2.7	17.8
Fireplace	3.0	Q	Q	2.4	5.7	Q	0.9	18.3
Room Heater	0.9	Q	1.3	1.0	0.8	Q	Q	28.3
Central Warm-Air Furnace	0.7	Q	Q	1.0	1.0	Q	Q	28.8
Other Equipment	0.6	Q	Q	Q	0.6	Q	0.9	36.0
Electricity	14.7	13.0	12.8	14.4	16.8	12.8	13.0	7.2
Portable Heater	11.0	11.4	9.8	10.2	12.2	11.1	11.0	7.9
Built-in Electric Units	2.3	Q	2.0	2.7	2.8	Q	1.1	18.0
Heat Pump	1.1	Q	Q	1.2	1.8	Q	Q	27.7
Other Equipment	0.6	Q	Q	Q	0.5	Q	0.6	36.6
Fuel Oil	0.4	Q	Q	Q	Q	Q	Q	37.9
Wood	11.6	3.7	6.8	10.8	18.9	3.2	5.0	10.8
Fireplace	8.8	2.2	5.1	8.4	14.6	2.1	3.1	12.8
Heating Stove	2.8	1.5	2.0	2.2	4.4	1.1	1.9	18.2
Other Equipment	0.3	Q	Q	Q	Q	Q	Q	40.7
LPG	1.9	1.8	1.5	1.9	2.3	1.8	1.6	21.6
Kerosene	1.8	1.4	1.5	2.3	1.7	1.9	2.0	20.1
Other	0.4	Q	Q	Q	0.6	Q	Q	37.0

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

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-4b. Space Heating by Type of Housing Unit,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.6	1.4	1.4	1.6	
Total	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	99.6	99.1	96.7	99.7	NE
Do Not Heat Home	0.9	0.4	Q	3.3	Q	18.3
No Heating Equipment	0.5	0.3	Q	1.6	Q	23.2
Have Equipment But Do Not Use It	0.4	Q	Q	1.7	Q	27.0
Main Heating Fuel and Equipment						
(Have and Use Equipment)	99.1	99.6	99.1	96.7	99.7	NE
Natural Gas	55.2	60.1	58.7	41.5	32.2	5.4
Central Warm-Air Furnace	41.9	49.2	30.9	21.2	30.2	7.4
For One Housing Unit	40.2	48.9	25.1	15.0	30.2	8.1
For Two or More Units	1.7	Q	5.8	6.2	Q	18.6
Steam or Hot-Water System	7.4	5.0	18.7	14.2	Q	11.9
For One Housing Unit	4.8	4.9	10.8	2.8	Q	18.2
For Two or More Units	2.6	Q	7.9	11.3	Q	15.6
Floor, Wall, or Pipeless Furnace	2.9	2.8	3.4	3.8	Q	18.4
Room Heater	2.6	2.9	3.0	1.8	Q	23.4
Other	0.5	Q	2.6	Q	Q	39.6
Electricity	28.9	23.0	32.8	46.6	43.1	7.2
Built-In Electric Units	5.7	3.2	9.0	16.2	Q	15.0
Central Warm-Air Furnace	11.8	7.8	14.6	23.1	22.4	11.3
For One Housing Unit	11.1	7.8	13.7	18.9	22.4	12.4
For Two or More Units	0.7	Q	Q	4.2	Q	32.8
Heat Pump	9.7	10.5	7.7	5.9	13.1	18.8
Other	1.7	1.4	Q	1.4	5.7	27.0
Fuel Oil	7.5	8.1	6.5	7.6	2.5	17.1
Steam or Hot-Water System	4.1	4.1	4.6	5.8	Q	15.1
For One Housing Unit	3.1	4.0	1.9	Q	Q	20.9
For Two or More Units	1.1	Q	2.7	5.0	Q	19.0
Central Warm-Air Furnace	3.1	3.7	1.8	Q	2.5	27.2
Other	0.3	0.3	Q	Q	Q	52.6
Wood	1.9	2.6	Q	Q	Q	23.9
Heating Stove	1.4	1.8	Q	Q	Q	27.4
Other	0.5	0.7	Q	Q	Q	34.8
LPG	4.6	5.2	Q	Q	15.2	18.5
Central Warm-Air Furnace	3.1	3.4	Q	Q	12.5	21.7
Room Heater	1.0	1.2	Q	Q	Q	31.1
Other	0.5	0.6	Q	Q	Q	37.4
Kerosene	0.8	0.6	Q	Q	4.9	29.2
Other	0.2	Q	Q	Q	Q	79.1
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	90.2	89.0	94.0	92.7	92.3	1.1
About Three-Fourths	4.0	4.8	2.3	1.4	3.5	18.3
Closer to One-Half	3.5	4.1	Q	1.8	3.1	17.6
Don't Know	1.4	1.7	Q	Q	Q	25.0

See footnotes at end of table.

**Table HC3-4b. Space Heating by Type of Housing Unit,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.6	1.4	1.4	1.6	
Age of Main Heating Equipment						
Less than 2 Years	8.1	8.8	6.2	4.4	12.5	11.9
2 to 4 Years	12.5	14.9	5.4	5.2	15.3	12.7
5 to 9 Years	20.0	23.2	11.3	9.8	22.6	9.2
10 to 19 Years	22.4	24.8	20.9	12.6	23.9	8.6
20 Years or More	24.8	23.1	28.8	32.7	17.8	6.7
Don't Know	11.2	4.7	26.5	32.1	7.5	10.4
Secondary Heating Fuel and Equipment (more than one may apply)						
No	67.4	61.4	79.1	86.2	69.1	2.2
Yes	31.7	38.2	20.0	10.5	30.5	6.7
Natural Gas	5.2	6.2	3.7	2.6	Q	20.5
Fireplace	3.0	3.6	Q	Q	Q	19.0
Room Heater	0.9	1.2	Q	Q	Q	33.4
Central Warm-Air Furnace	0.7	0.9	Q	Q	Q	33.5
Other Equipment	0.6	0.7	Q	Q	Q	46.7
Electricity	14.7	16.7	13.3	6.6	14.6	8.4
Portable Heater	11.0	12.4	10.7	5.2	11.6	9.5
Built-in Electric Units	2.3	2.8	Q	Q	Q	18.5
Heat Pump	1.1	1.5	Q	Q	Q	30.2
Other Equipment	0.6	0.5	Q	Q	Q	41.8
Fuel Oil	0.4	0.6	Q	Q	Q	43.0
Wood	11.6	15.3	3.5	2.0	6.7	15.8
Fireplace	8.8	11.5	2.7	2.0	5.1	17.2
Heating Stove	2.8	3.9	Q	Q	Q	17.4
Other Equipment	0.3	0.4	Q	Q	Q	46.0
LPG	1.9	2.4	Q	Q	3.9	26.3
Kerosene	1.8	2.1	Q	Q	3.8	22.6
Other	0.4	0.5	Q	Q	Q	40.7

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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. • Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC3-5b. Space Heating by Type of Owner-Occupied Housing Unit, Percent of U.S. Households, 2001

Space Heating Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.4	1.6	3.0	1.1	
Total	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.5	99.7	98.4	95.3	99.6	0.9
Do Not Heat Home	0.5	0.3	Q	Q	Q	40.8
No Heating Equipment	0.4	0.3	Q	Q	Q	34.7
Have Equipment But Do Not Use It	Q	Q	Q	Q	Q	NF
Main Heating Fuel and Equipment						
(Have and Use Equipment)	99.5	99.7	98.4	95.3	99.6	0.9
Natural Gas	56.8	59.7	52.8	35.4	33.0	9.3
Central Warm-Air Furnace	47.5	50.3	26.4	23.2	31.7	11.2
For One Housing Unit	47.2	50.1	21.1	21.4	31.7	11.6
For Two or More Units	0.4	Q	Q	Q	Q	75.6
Steam or Hot-Water System	5.4	5.2	22.7	Q	Q	22.3
For One Housing Unit	4.8	5.1	13.5	Q	Q	23.5
For Two or More Units	0.6	Q	Q	Q	Q	79.4
Floor, Wall, or Pipeless Furnace	1.7	1.9	Q	Q	Q	26.7
Room Heater	1.9	2.1	Q	Q	Q	40.6
Other	0.3	Q	Q	Q	Q	80.9
Electricity	25.3	23.1	28.9	47.9	41.7	13.6
Built-In Electric Units	3.1	3.0	Q	10.7	Q	24.4
Central Warm-Air Furnace	9.6	7.6	Q	31.3	22.6	18.6
For One Housing Unit	9.5	7.6	Q	Q	22.6	19.6
For Two or More Units	Q	Q	Q	Q	Q	NF
Heat Pump	11.3	11.4	Q	Q	13.5	24.7
Other	1.3	1.1	Q	Q	Q	50.7
Fuel Oil	8.3	8.5	16.3	Q	Q	23.5
Steam or Hot-Water System	4.4	4.4	10.7	Q	Q	24.4
For One Housing Unit	4.0	4.4	Q	Q	Q	25.4
For Two or More Units	0.4	Q	Q	Q	Q	101.0
Central Warm-Air Furnace	3.6	3.8	Q	Q	Q	35.9
Other	0.3	0.3	Q	Q	Q	75.6
Wood	2.3	2.5	Q	Q	Q	33.5
Heating Stove	1.7	1.8	Q	Q	Q	36.9
Other	0.7	0.7	Q	Q	Q	47.9
LPG	5.8	5.2	Q	Q	15.9	24.9
Central Warm-Air Furnace	4.1	3.5	Q	Q	13.4	29.1
Room Heater	1.1	1.1	Q	Q	Q	42.9
Other	0.5	0.6	Q	Q	Q	50.7
Kerosene	0.9	0.6	Q	Q	4.8	42.3
Other	Q	Q	Q	Q	Q	NF
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	89.4	89.0	93.1	90.7	92.1	1.9
About Three-Fourths	4.5	4.7	Q	Q	Q	20.9
Closer to One-Half	3.9	4.1	Q	Q	Q	23.1
Don't Know	1.6	1.8	Q	Q	Q	35.1

See footnotes at end of table.

Table HC3-5b. Space Heating by Type of Owner-Occupied Housing Unit, Percent of U.S. Households, 2001 (Continued)

Space Heating Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.4	1.6	3.0	1.1	
Age of Main Heating Equipment						
Less than 2 Years	9.0	9.1	Q	Q	12.5	14.8
2 to 4 Years	14.7	15.2	Q	Q	15.5	13.1
5 to 9 Years	24.0	24.6	Q	18.1	25.1	11.0
10 to 19 Years	26.0	25.8	39.1	24.4	24.6	10.9
20 Years or More	22.6	22.2	34.8	36.1	18.1	10.2
Don't Know	3.2	2.9	Q	13.1	3.8	23.7
Secondary Heating Fuel and Equipment (more than one may apply)						
No	61.7	60.2	79.8	82.1	65.7	3.9
Yes	37.8	39.5	18.5	13.2	33.9	9.6
Natural Gas	6.2	6.7	Q	Q	Q	21.0
Fireplace	3.6	4.0	Q	Q	Q	26.7
Room Heater	1.2	1.3	Q	Q	Q	41.2
Central Warm-Air Furnace	0.9	1.0	Q	Q	Q	48.1
Other Equipment	0.6	0.5	Q	Q	Q	63.0
Electricity	16.1	16.6	Q	Q	15.6	11.2
Portable Heater	11.7	11.9	Q	Q	12.6	12.7
Built-in Electric Units	2.7	2.9	Q	Q	Q	22.9
Heat Pump	1.5	1.7	Q	Q	Q	41.8
Other Equipment	0.6	0.6	Q	Q	Q	61.2
Fuel Oil	0.7	0.7	Q	Q	Q	56.6
Wood	15.5	16.7	Q	Q	7.5	15.8
Fireplace	11.6	12.5	Q	Q	5.9	17.7
Heating Stove	3.9	4.3	Q	Q	Q	23.2
Other Equipment	0.4	0.4	Q	Q	Q	62.0
LPG	2.5	2.4	Q	Q	4.4	35.2
Kerosene	2.0	1.9	Q	Q	4.5	31.8
Other	0.5	0.5	Q	Q	Q	56.1

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. • Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-6b. Space Heating by Type of Rented Housing Unit,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.8	1.0	0.9	2.4	
Total	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	98.2	99.2	99.3	96.9	100.0	NE
Do Not Heat Home	1.8	Q	Q	3.1	Q	21.0
No Heating Equipment	0.7	Q	Q	Q	Q	82.1
Have Equipment But Do Not Use It	1.1	Q	Q	1.9	Q	35.6
Main Heating Fuel and Equipment						
(Have and Use Equipment)	98.2	99.2	99.3	96.9	100.0	NE
Natural Gas	51.8	62.4	60.3	42.2	28.3	7.2
Central Warm-Air Furnace	30.0	42.3	32.1	21.0	23.0	11.4
For One Housing Unit	25.4	41.4	26.2	14.3	23.0	12.8
For Two or More Units	4.6	Q	5.9	6.7	Q	25.4
Steam or Hot-Water System	11.5	3.9	17.6	14.6	Q	17.3
For One Housing Unit	4.7	3.7	10.1	3.1	Q	30.2
For Two or More Units	6.8	Q	7.5	11.5	Q	21.0
Floor, Wall, or Pipeless Furnace	5.5	8.3	4.3	4.2	Q	24.9
Room Heater	4.1	7.6	3.6	2.0	Q	30.4
Other	0.8	Q	2.6	Q	Q	52.5
Electricity	36.6	22.7	33.9	46.4	50.2	9.0
Built-In Electric Units	11.2	4.5	10.0	16.8	Q	21.8
Central Warm-Air Furnace	16.5	9.4	14.4	22.2	Q	18.5
For One Housing Unit	14.4	9.4	13.3	17.9	Q	21.3
For Two or More Units	2.1	Q	Q	4.3	Q	41.5
Heat Pump	6.2	5.2	7.6	5.9	Q	31.3
Other	2.6	3.7	Q	1.5	Q	36.3
Fuel Oil	5.8	5.5	3.8	7.1	Q	19.9
Steam or Hot-Water System	3.6	2.1	2.9	5.2	Q	21.7
For One Housing Unit	1.1	2.0	Q	Q	Q	29.2
For Two or More Units	2.5	Q	1.9	4.6	Q	23.2
Central Warm-Air Furnace	1.9	3.1	Q	Q	Q	32.7
Other	Q	Q	Q	Q	Q	NF
Wood	1.0	2.9	Q	Q	Q	40.8
Heating Stove	0.7	2.2	Q	Q	Q	49.4
Other	Q	Q	Q	Q	Q	NF
LPG	2.1	4.9	Q	Q	Q	31.5
Central Warm-Air Furnace	1.1	2.2	Q	Q	Q	46.0
Room Heater	0.7	Q	Q	Q	Q	54.6
Other	Q	Q	Q	Q	Q	NF
Kerosene	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	91.9	88.4	94.2	93.0	93.2	1.8
About Three-Fourths	2.8	5.3	Q	1.4	Q	31.3
Closer to One-Half	2.6	4.6	Q	1.7	Q	29.6
Don't Know	0.9	Q	Q	Q	Q	44.2

See footnotes at end of table.

**Table HC3-6b. Space Heating by Type of Rented Housing Unit,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Home	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.8	1.0	0.9	2.4	
Age of Main Heating Equipment						
Less than 2 Years	6.3	7.5	6.9	4.7	Q	21.1
2 to 4 Years	7.9	13.0	4.3	5.5	Q	26.4
5 to 9 Years	11.6	15.3	12.2	8.8	Q	19.3
10 to 19 Years	14.8	18.8	15.8	11.2	20.3	15.7
20 Years or More	29.6	28.8	27.1	32.3	Q	9.3
Don't Know	28.1	15.7	32.9	34.3	26.6	11.6
Secondary Heating Fuel and Equipment (more than one may apply)						
No	79.5	68.8	79.0	86.7	86.7	2.8
Yes	18.7	30.4	20.4	10.2	Q	12.0
Natural Gas	3.0	3.5	Q	Q	Q	39.0
Fireplace	1.8	Q	Q	Q	Q	58.5
Room Heater	Q	Q	Q	Q	Q	NF
Central Warm-Air Furnace	Q	Q	Q	Q	Q	NF
Other Equipment	Q	Q	Q	Q	Q	NF
Electricity	11.7	17.6	15.1	6.2	Q	14.0
Portable Heater	9.8	15.6	12.2	4.8	Q	15.0
Built-in Electric Units	1.3	2.1	Q	Q	Q	47.0
Heat Pump	Q	Q	Q	Q	Q	NF
Other Equipment	Q	Q	Q	Q	Q	NF
Fuel Oil	Q	Q	Q	Q	Q	NF
Wood	3.4	7.0	Q	1.5	Q	32.2
Fireplace	2.8	5.6	Q	1.5	Q	35.0
Heating Stove	0.5	Q	Q	Q	Q	57.1
Other Equipment	Q	Q	Q	Q	Q	NF
LPG	0.8	2.3	Q	Q	Q	43.7
Kerosene	1.2	3.1	Q	Q	Q	40.5
Other	Q	Q	Q	Q	Q	NF

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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. • Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-7b. Space Heating by Four Most Populated States,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.5	1.1	1.0	1.2	
RSE Column Factor:	0.5	1.1	1.0	1.2	1.6	
Total	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	99.7	97.4	100.0	97.7	NE
Do Not Heat Home	0.9	Q	2.6	Q	2.3	20.7
No Heating Equipment	0.5	Q	1.0	Q	Q	41.3
Have Equipment But Do Not Use It	0.4	Q	1.7	Q	Q	32.8
Main Heating Fuel and Equipment						
(Have and Use Equipment)	99.1	99.7	97.4	100.0	97.7	NE
Natural Gas	55.2	59.6	72.1	52.4	15.2	7.5
Central Warm-Air Furnace	41.9	29.9	46.9	41.7	15.2	11.3
For One Housing Unit	40.2	25.3	45.0	40.4	15.2	11.4
For Two or More Units	1.7	4.6	1.8	Q	Q	34.7
Steam or Hot-Water System	7.4	27.1	2.2	Q	Q	11.3
For One Housing Unit	4.8	15.8	0.8	Q	Q	24.0
For Two or More Units	2.6	11.4	Q	Q	Q	25.6
Floor, Wall, or Pipeless Furnace	2.9	Q	15.7	Q	Q	15.5
Room Heater	2.6	Q	6.1	7.1	Q	23.3
Other	0.5	Q	1.3	Q	Q	29.0
Electricity	28.9	6.7	18.3	44.7	81.4	10.0
Built-In Electric Units	5.7	Q	3.5	1.8	Q	25.1
Central Warm-Air Furnace	11.8	Q	6.9	31.6	46.6	14.5
For One Housing Unit	11.1	Q	6.8	27.5	46.6	16.3
For Two or More Units	0.7	Q	Q	4.1	Q	49.4
Heat Pump	9.7	Q	5.1	8.1	30.0	15.2
Other	1.7	Q	2.7	3.2	4.2	30.2
Fuel Oil	7.5	29.1	Q	Q	Q	18.1
Steam or Hot-Water System	4.1	21.4	Q	Q	Q	17.8
For One Housing Unit	3.1	10.9	Q	Q	Q	22.3
For Two or More Units	1.1	10.5	Q	Q	Q	21.4
Central Warm-Air Furnace	3.1	6.3	Q	Q	Q	29.2
Other	0.3	1.4	Q	Q	Q	41.0
Wood	1.9	2.2	2.7	Q	Q	23.8
Heating Stove	1.4	1.0	1.4	Q	Q	22.3
Other	0.5	1.2	1.4	Q	Q	33.6
LPG	4.6	Q	2.4	2.5	Q	30.7
Central Warm-Air Furnace	3.1	Q	1.7	1.0	Q	35.3
Room Heater	1.0	Q	Q	Q	Q	34.1
Other	0.5	Q	0.5	Q	Q	35.1
Kerosene	0.8	0.3	1.0	Q	Q	10.0
Other	0.2	Q	Q	Q	Q	89.7
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	90.2	90.1	84.3	91.6	94.5	1.7
About Three-Fourths	4.0	4.7	5.7	3.4	Q	18.8
Closer to One-Half	3.5	4.5	5.4	2.4	Q	23.6
Don't Know	1.4	Q	2.0	2.6	Q	31.0

See footnotes at end of table.

**Table HC3-7b. Space Heating by Four Most Populated States,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.5	1.1	1.0	1.2	1.6	
Age of Main Heating Equipment						
Less than 2 Years	8.1	7.2	6.5	10.9	8.7	17.3
2 to 4 Years	12.5	5.9	9.0	11.9	14.2	13.5
5 to 9 Years	20.0	16.9	12.4	22.5	32.8	12.6
10 to 19 Years	22.4	15.7	19.3	19.1	29.4	11.4
20 Years or More	24.8	34.3	37.6	20.2	7.5	7.5
Don't Know	11.2	19.6	12.7	15.4	5.0	16.2
Secondary Heating Fuel and Equipment (more than one may apply)						
No	67.4	69.8	64.5	63.1	79.8	3.4
Yes	31.7	29.8	32.9	36.9	17.8	8.0
Natural Gas	5.2	6.6	6.5	10.9	1.4	16.4
Fireplace	3.0	5.7	5.0	4.7	1.4	15.9
Room Heater	0.9	Q	Q	2.3	Q	39.6
Central Warm-Air Furnace	0.7	Q	0.5	Q	Q	33.0
Other Equipment	0.6	Q	Q	3.6	Q	41.5
Electricity	14.7	14.1	15.3	16.4	6.6	10.3
Portable Heater	11.0	11.8	12.1	14.7	4.0	13.2
Built-in Electric Units	2.3	1.6	2.2	Q	Q	26.2
Heat Pump	1.1	Q	1.1	Q	Q	28.8
Other Equipment	0.6	Q	Q	Q	1.0	24.3
Fuel Oil	0.4	1.6	Q	Q	Q	34.6
Wood	11.6	7.5	16.1	13.4	8.5	17.4
Fireplace	8.8	5.0	14.1	11.6	8.1	17.1
Heating Stove	2.8	2.1	1.6	Q	Q	26.2
Other Equipment	0.3	Q	Q	0.9	Q	36.2
LPG	1.9	1.0	Q	Q	Q	37.3
Kerosene	1.8	2.2	Q	Q	Q	30.7
Other	0.4	Q	Q	Q	Q	46.3

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-8b. Space Heating by Urban/Rural Location,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.6	0.9	1.2	1.3	1.1	
Total	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	98.5	99.6	99.7	99.5	NE
Do Not Heat Home	0.9	1.5	0.4	0.3	0.5	26.0
No Heating Equipment	0.5	0.8	0.3	Q	0.3	33.5
Have Equipment But Do Not Use It	0.4	0.7	Q	Q	Q	29.0
Main Heating Fuel and Equipment						
(Have and Use Equipment)	99.1	98.5	99.6	99.7	99.5	NE
Natural Gas	55.2	64.9	55.6	61.9	20.0	4.5
Central Warm-Air Furnace	41.9	45.6	40.2	56.0	16.8	5.4
For One Housing Unit	40.2	42.9	39.8	54.1	16.6	5.6
For Two or More Units	1.7	2.6	Q	1.9	Q	22.1
Steam or Hot-Water System	7.4	10.1	9.3	4.1	1.7	13.4
For One Housing Unit	4.8	6.0	6.5	3.0	1.7	17.4
For Two or More Units	2.6	4.1	2.7	1.0	Q	22.1
Floor, Wall, or Pipeless Furnace	2.9	4.6	2.8	0.9	0.5	18.4
Room Heater	2.6	3.8	3.0	0.7	1.1	21.7
Other	0.5	0.8	Q	Q	Q	38.0
Electricity	28.9	27.4	25.2	29.7	36.2	6.3
Built-In Electric Units	5.7	5.4	7.5	3.8	7.0	14.1
Central Warm-Air Furnace	11.8	11.9	9.4	12.9	12.6	10.7
For One Housing Unit	11.1	10.7	9.1	12.1	12.6	11.4
For Two or More Units	0.7	1.1	Q	Q	Q	40.2
Heat Pump	9.7	8.1	5.9	12.3	14.9	13.7
Other	1.7	1.9	2.4	0.6	1.7	24.5
Fuel Oil	7.5	4.8	10.9	6.2	12.9	13.5
Steam or Hot-Water System	4.1	3.1	5.4	3.7	6.1	16.5
For One Housing Unit	3.1	1.4	4.7	3.4	5.8	18.0
For Two or More Units	1.1	1.8	0.7	Q	Q	23.1
Central Warm-Air Furnace	3.1	1.5	5.1	2.4	6.2	21.0
Other	0.3	0.2	Q	Q	0.6	39.8
Wood	1.9	0.5	1.8	0.6	7.5	21.4
Heating Stove	1.4	0.2	1.5	0.5	5.5	24.8
Other	0.5	0.3	Q	Q	2.0	31.8
LPG	4.6	0.6	5.1	1.0	19.5	20.2
Central Warm-Air Furnace	3.1	0.4	3.2	0.8	13.4	25.0
Room Heater	1.0	Q	1.0	Q	4.3	22.3
Other	0.5	Q	0.9	Q	1.8	26.8
Kerosene	0.8	Q	Q	Q	3.1	22.3
Other	0.2	0.3	Q	Q	Q	60.9
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	90.2	91.7	90.1	93.1	82.7	1.0
About Three-Fourths	4.0	2.7	5.3	1.8	8.8	12.9
Closer to One-Half	3.5	2.8	3.7	2.5	6.4	14.8
Don't Know	1.4	1.3	0.4	2.3	1.6	24.2

See footnotes at end of table.

**Table HC3-8b. Space Heating by Urban/Rural Location,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.6	0.9	1.2	1.3	1.1	
Age of Main Heating Equipment						
Less than 2 Years	8.1	6.3	9.1	8.8	11.5	10.0
2 to 4 Years	12.5	11.0	13.1	12.7	15.8	8.6
5 to 9 Years	20.0	17.0	17.4	25.9	24.2	6.2
10 to 19 Years	22.4	19.3	24.2	25.4	25.8	6.4
20 Years or More	24.8	28.8	25.9	19.9	18.5	5.6
Don't Know	11.2	16.1	10.0	7.1	3.7	11.7
Secondary Heating Fuel and Equipment (more than one may apply)						
No	67.4	74.5	62.4	66.7	53.6	2.5
Yes	31.7	24.1	37.2	32.9	45.9	4.7
Natural Gas	5.2	4.9	5.9	7.0	3.2	14.5
Fireplace	3.0	2.7	3.1	4.8	1.9	18.9
Room Heater	0.9	0.8	1.6	0.8	Q	27.8
Central Warm-Air Furnace	0.7	0.5	0.9	1.3	Q	29.4
Other Equipment	0.6	1.1	Q	Q	Q	33.3
Electricity	14.7	12.8	21.0	13.9	14.5	6.8
Portable Heater	11.0	10.0	15.7	10.7	9.6	7.7
Built-in Electric Units	2.3	1.7	3.4	1.9	3.1	16.7
Heat Pump	1.1	0.9	1.3	1.0	1.7	26.8
Other Equipment	0.6	0.4	0.9	Q	0.8	34.3
Fuel Oil	0.4	Q	Q	Q	1.1	30.4
Wood	11.6	7.3	11.3	14.3	20.8	8.4
Fireplace	8.8	6.5	6.9	12.2	13.0	9.3
Heating Stove	2.8	0.7	4.7	1.8	8.1	17.3
Other Equipment	0.3	Q	Q	0.3	0.8	31.6
LPG	1.9	0.5	1.1	0.9	7.9	27.6
Kerosene	1.8	0.8	2.0	1.4	4.6	22.3
Other	0.4	0.1	Q	Q	1.2	37.3

¹ Based on the household respondent's description rather than the Federal Government definition.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-9b. Space Heating by Northeast Census Region,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.2	1.7	
Total	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	99.4	99.2	100.0	NE
Do Not Heat Home	0.9	Q	Q	Q	19.9
No Heating Equipment	0.5	Q	Q	Q	39.5
Have Equipment But Do Not Use It	0.4	Q	Q	Q	38.7
Main Heating Fuel and Equipment (Have and Use Equipment)	99.1	99.4	99.2	100.0	NE
Natural Gas	55.2	51.8	58.1	34.7	8.6
Central Warm-Air Furnace	41.9	28.6	34.2	13.1	10.4
For One Housing Unit	40.2	25.6	30.7	11.5	11.8
For Two or More Units	1.7	3.0	3.4	Q	26.4
Steam or Hot-Water System	7.4	21.4	22.2	19.1	13.2
For One Housing Unit	4.8	14.3	13.9	15.7	18.2
For Two or More Units	2.6	7.1	8.4	3.5	20.4
Floor, Wall, or Pipeless Furnace	2.9	Q	Q	Q	21.2
Room Heater	2.6	Q	Q	Q	24.2
Other	0.5	Q	Q	Q	52.2
Electricity	28.9	11.3	12.2	8.6	11.2
Built-In Electric Units	5.7	6.7	6.6	7.1	17.7
Central Warm-Air Furnace	11.8	1.5	2.0	Q	22.2
For One Housing Unit	11.1	Q	Q	Q	14.9
For Two or More Units	0.7	Q	Q	Q	57.9
Heat Pump	9.7	1.7	2.4	Q	28.4
Other	1.7	1.2	Q	Q	30.4
Fuel Oil	7.5	30.8	24.0	49.5	12.4
Steam or Hot-Water System	4.1	20.2	15.6	33.0	10.7
For One Housing Unit	3.1	14.6	9.8	27.7	13.0
For Two or More Units	1.1	5.6	5.7	5.3	17.8
Central Warm-Air Furnace	3.1	9.8	7.5	16.3	21.2
Other	0.3	Q	Q	Q	52.1
Wood	1.9	1.6	1.6	Q	18.8
Heating Stove	1.4	0.9	Q	Q	23.3
Other	0.5	Q	Q	Q	39.3
LPG	4.6	1.7	1.5	2.5	25.4
Central Warm-Air Furnace	3.1	1.5	1.5	Q	35.7
Room Heater	1.0	Q	Q	Q	32.9
Other	0.5	Q	Q	Q	42.5
Kerosene	0.8	1.6	1.3	Q	33.3
Other	0.2	Q	Q	Q	86.5
Amount of Heat Provided by Main Heating Equipment					
All or Almost All	90.2	90.5	91.0	89.1	1.4
About Three-Fourths	4.0	4.2	3.8	5.1	14.1
Closer to One-Half	3.5	3.7	3.6	3.9	19.7
Don't Know	1.4	1.0	Q	Q	25.8

See footnotes at end of table.

**Table HC3-9b. Space Heating by Northeast Census Region,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.2	1.7	
Age of Main Heating Equipment					
Less than 2 Years	8.1	6.5	6.3	7.0	13.7
2 to 4 Years	12.5	8.2	7.9	9.1	10.7
5 to 9 Years	20.0	16.1	16.9	13.9	11.0
10 to 19 Years	22.4	23.6	23.6	23.5	8.5
20 Years or More	24.8	29.5	29.3	30.3	4.8
Don't Know	11.2	15.4	15.2	16.2	12.1
Secondary Heating Fuel and Equipment (more than one may apply)					
No	67.4	71.4	72.6	68.2	2.7
Yes	31.7	28.0	26.6	31.8	6.6
Natural Gas	5.2	3.7	4.8	Q	19.9
Fireplace	3.0	2.7	3.7	Q	21.5
Room Heater	0.9	Q	Q	Q	37.3
Central Warm-Air Furnace	0.7	Q	Q	Q	36.1
Other Equipment	0.6	Q	Q	Q	48.5
Electricity	14.7	13.4	13.1	14.2	8.0
Portable Heater	11.0	10.4	9.9	11.9	10.2
Built-in Electric Units	2.3	2.1	2.3	Q	19.6
Heat Pump	1.1	Q	Q	Q	33.3
Other Equipment	0.6	Q	Q	Q	39.9
Fuel Oil	0.4	1.0	Q	Q	34.9
Wood	11.6	9.6	7.4	15.4	13.8
Fireplace	8.8	4.9	4.2	6.5	12.8
Heating Stove	2.8	4.6	2.7	9.7	19.6
Other Equipment	0.3	Q	Q	Q	50.5
LPG	1.9	1.3	Q	2.5	27.6
Kerosene	1.8	1.9	1.5	Q	29.8
Other	0.4	0.9	Q	Q	41.1

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-10b. Space Heating by Midwest Census Region,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total U.S.	Midwest Census Region			RSE Row Factors
		Total	Census Division		
			East North Central	West North Central	
RSE Column Factor:	0.5	1.0	1.2	1.6	
Total	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	99.9	99.9	100.0	NE
Do Not Heat Home	0.9	Q	Q	Q	19.8
No Heating Equipment	0.5	Q	Q	Q	39.2
Have Equipment But Do Not Use It	0.4	Q	Q	Q	38.4
Main Heating Fuel and Equipment (Have and Use Equipment)	99.1	99.9	99.9	100.0	NE
Natural Gas	55.2	77.3	80.9	69.0	4.5
Central Warm-Air Furnace	41.9	66.6	68.8	61.5	4.7
For One Housing Unit	40.2	64.3	66.4	59.6	5.1
For Two or More Units	1.7	2.3	2.4	Q	28.5
Steam or Hot-Water System	7.4	9.2	10.3	6.7	12.6
For One Housing Unit	4.8	5.7	5.8	5.6	18.5
For Two or More Units	2.6	3.5	4.5	Q	26.6
Floor, Wall, or Pipeless Furnace	2.9	Q	Q	Q	21.0
Room Heater	2.6	Q	Q	Q	24.0
Other	0.5	Q	Q	Q	51.8
Electricity	28.9	10.3	10.0	11.2	13.6
Built-In Electric Units	5.7	4.5	5.1	3.2	19.8
Central Warm-Air Furnace	11.8	3.4	2.5	5.3	23.0
For One Housing Unit	11.1	2.9	1.8	5.3	23.2
For Two or More Units	0.7	Q	Q	Q	57.5
Heat Pump	9.7	2.0	1.7	2.7	26.7
Other	1.7	Q	Q	Q	29.0
Fuel Oil	7.5	3.2	2.5	4.9	14.1
Steam or Hot-Water System	4.1	Q	Q	Q	18.0
For One Housing Unit	3.1	Q	Q	Q	20.9
For Two or More Units	1.1	Q	Q	Q	28.8
Central Warm-Air Furnace	3.1	2.6	2.1	3.8	17.3
Other	0.3	Q	Q	Q	51.7
Wood	1.9	1.5	Q	2.5	30.3
Heating Stove	1.4	1.1	Q	Q	34.4
Other	0.5	Q	Q	Q	39.0
LPG	4.6	7.5	5.4	12.4	23.8
Central Warm-Air Furnace	3.1	6.3	4.8	9.9	25.4
Room Heater	1.0	Q	Q	Q	32.7
Other	0.5	0.8	Q	Q	38.4
Kerosene	0.8	Q	Q	Q	35.0
Other	0.2	Q	Q	Q	85.9
Amount of Heat Provided by Main Heating Equipment					
All or Almost All	90.2	93.8	94.7	91.8	0.9
About Three-Fourths	4.0	2.8	2.4	3.8	12.4
Closer to One-Half	3.5	2.1	Q	3.5	21.7
Don't Know	1.4	1.3	1.4	Q	26.6

See footnotes at end of table.

**Table HC3-10b. Space Heating by Midwest Census Region,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total U.S.	Midwest Census Region			RSE Row Factors
		Total	Census Division		
			East North Central	West North Central	
RSE Column Factor:	0.5	1.0	1.2	1.6	
Age of Main Heating Equipment					
Less than 2 Years	8.1	8.0	8.1	7.8	14.0
2 to 4 Years	12.5	12.0	13.6	8.6	9.2
5 to 9 Years	20.0	20.6	19.8	22.4	7.3
10 to 19 Years	22.4	22.8	22.1	24.2	8.4
20 Years or More	24.8	25.4	25.1	25.9	7.1
Don't Know	11.2	11.1	11.1	11.1	12.3
Secondary Heating Fuel and Equipment (more than one may apply)					
No	67.4	72.1	74.6	66.2	2.7
Yes	31.7	27.8	25.2	33.8	6.5
Natural Gas	5.2	3.4	3.6	3.0	19.3
Fireplace	3.0	2.6	3.0	Q	23.8
Room Heater	0.9	Q	Q	Q	37.0
Central Warm-Air Furnace	0.7	Q	Q	Q	35.8
Other Equipment	0.6	Q	Q	Q	48.1
Electricity	14.7	15.5	14.2	18.4	8.9
Portable Heater	11.0	11.2	9.9	14.3	8.5
Built-in Electric Units	2.3	3.4	3.1	4.2	21.2
Heat Pump	1.1	1.0	Q	Q	37.0
Other Equipment	0.6	Q	Q	Q	39.6
Fuel Oil	0.4	Q	Q	Q	46.6
Wood	11.6	8.7	7.2	12.0	10.9
Fireplace	8.8	6.2	5.7	7.3	10.8
Heating Stove	2.8	2.9	2.2	4.8	18.2
Other Equipment	0.3	Q	Q	Q	50.1
LPG	1.9	1.3	Q	2.3	24.1
Kerosene	1.8	1.9	2.3	Q	15.9
Other	0.4	Q	Q	Q	44.3

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-11b. Space Heating by South Census Region,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total U.S.	South Census Region				RSE Row Factors
		Total	Census Division			
			South Atlantic	East South Central	West South Central	
RSE Column Factor:	0.5	0.9	1.2	1.4	1.3	
Total	100.0	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	99.6	99.3	100.0	100.0	NE
Do Not Heat Home	0.9	Q	Q	Q	Q	20.1
No Heating Equipment	0.5	Q	Q	Q	Q	39.8
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	39.0
Main Heating Fuel and Equipment (Have and Use Equipment)	99.1	99.6	99.3	100.0	100.0	NE
Natural Gas	55.2	40.2	33.4	35.4	54.8	7.8
Central Warm-Air Furnace	41.9	32.7	29.0	28.0	41.8	9.2
For One Housing Unit	40.2	31.9	28.2	27.3	41.0	8.9
For Two or More Units	1.7	Q	Q	Q	Q	31.6
Steam or Hot-Water System	7.4	1.5	2.1	Q	Q	23.6
For One Housing Unit	4.8	1.1	Q	Q	Q	34.5
For Two or More Units	2.6	Q	Q	Q	Q	28.8
Floor, Wall, or Pipeless Furnace	2.9	1.9	Q	Q	4.1	26.7
Room Heater	2.6	4.0	Q	5.1	8.0	19.2
Other	0.5	Q	Q	Q	Q	52.5
Electricity	28.9	49.6	54.2	49.6	41.9	7.6
Built-In Electric Units	5.7	2.8	3.1	4.9	Q	25.4
Central Warm-Air Furnace	11.8	24.1	21.4	20.1	31.1	10.5
For One Housing Unit	11.1	23.0	21.1	20.1	28.2	11.8
For Two or More Units	0.7	1.0	Q	Q	2.9	45.2
Heat Pump	9.7	20.3	27.6	22.1	6.7	14.9
Other	1.7	2.4	2.1	Q	2.9	27.9
Fuel Oil	7.5	2.1	3.8	Q	Q	28.6
Steam or Hot-Water System	4.1	Q	Q	Q	Q	18.3
For One Housing Unit	3.1	Q	Q	Q	Q	21.2
For Two or More Units	1.1	Q	Q	Q	Q	29.2
Central Warm-Air Furnace	3.1	1.6	2.8	Q	Q	36.3
Other	0.3	Q	Q	Q	Q	52.5
Wood	1.9	1.5	2.0	Q	Q	30.2
Heating Stove	1.4	1.2	1.4	Q	Q	35.5
Other	0.5	Q	Q	Q	Q	39.6
LPG	4.6	5.2	4.6	11.5	2.5	22.3
Central Warm-Air Furnace	3.1	2.7	3.0	Q	Q	31.3
Room Heater	1.0	2.2	Q	6.4	Q	17.9
Other	0.5	Q	Q	Q	Q	42.8
Kerosene	0.8	1.0	1.4	Q	Q	29.4
Other	0.2	Q	Q	Q	Q	87.1
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	90.2	91.4	92.2	89.9	91.0	1.0
About Three-Fourths	4.0	3.5	3.6	4.0	3.1	19.1
Closer to One-Half	3.5	3.2	2.6	5.1	3.3	16.6
Don't Know	1.4	1.4	Q	Q	2.6	23.2

See footnotes at end of table.

**Table HC3-11b. Space Heating by South Census Region,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total U.S.	South Census Region				RSE Row Factors
		Total	Census Division			
			South Atlantic	East South Central	West South Central	
RSE Column Factor:	0.5	0.9	1.2	1.4	1.3	
Age of Main Heating Equipment						
Less than 2 Years	8.1	10.3	9.1	12.6	10.9	9.1
2 to 4 Years	12.5	15.2	17.1	14.5	12.4	9.6
5 to 9 Years	20.0	25.3	27.3	25.9	21.6	5.0
10 to 19 Years	22.4	23.4	24.9	26.8	18.9	7.0
20 Years or More	24.8	15.9	13.2	14.1	21.6	7.6
Don't Know	11.2	9.5	7.6	6.1	14.7	16.8
Secondary Heating Fuel and Equipment (more than one may apply)						
No	67.4	65.7	68.5	60.0	64.2	3.3
Yes	31.7	33.9	30.8	40.0	35.8	6.2
Natural Gas	5.2	6.7	4.9	6.9	9.7	17.4
Fireplace	3.0	2.8	2.5	2.2	3.7	16.8
Room Heater	0.9	1.8	1.4	2.4	2.1	31.2
Central Warm-Air Furnace	0.7	1.0	Q	Q	Q	33.4
Other Equipment	0.6	1.3	Q	Q	3.6	35.2
Electricity	14.7	13.6	11.4	14.0	17.3	8.1
Portable Heater	11.0	10.5	8.5	10.4	14.0	8.5
Built-in Electric Units	2.3	1.4	Q	Q	Q	23.2
Heat Pump	1.1	1.4	Q	Q	Q	31.6
Other Equipment	0.6	Q	Q	Q	Q	40.2
Fuel Oil	0.4	Q	Q	Q	Q	47.3
Wood	11.6	11.7	11.6	11.3	12.2	11.0
Fireplace	8.8	10.0	10.4	7.5	10.7	10.5
Heating Stove	2.8	1.7	1.5	3.4	Q	26.7
Other Equipment	0.3	Q	Q	Q	Q	50.8
LPG	1.9	3.1	2.8	7.2	Q	25.9
Kerosene	1.8	2.4	3.3	3.4	Q	22.0
Other	0.4	Q	Q	Q	Q	45.0

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-12b. Space Heating by West Census Region,
Percent of U.S. Households, 2001**

Space Heating Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.6	1.0	1.6	1.2	
Total	100.0	100.0	100.0	100.0	0.0
Heat Home	99.1	97.1	99.7	96.0	NE
Do Not Heat Home	0.9	2.9	Q	4.0	10.6
No Heating Equipment	0.5	1.9	Q	2.6	18.1
Have Equipment But Do Not Use It	0.4	1.0	Q	1.4	27.5
Main Heating Fuel and Equipment (Have and Use Equipment)	99.1	97.1	99.7	96.0	NE
Natural Gas	55.2	59.9	62.3	59.0	2.6
Central Warm-Air Furnace	41.9	42.9	51.4	39.5	5.6
For One Housing Unit	40.2	41.4	49.9	37.9	5.6
For Two or More Units	1.7	1.5	Q	1.5	30.9
Steam or Hot-Water System	7.4	3.0	5.2	2.2	22.7
For One Housing Unit	4.8	1.6	3.0	1.1	28.4
For Two or More Units	2.6	Q	Q	Q	25.6
Floor, Wall, or Pipeless Furnace	2.9	9.1	2.6	11.7	16.0
Room Heater	2.6	3.8	Q	4.5	19.7
Other	0.5	1.1	Q	Q	31.5
Electricity	28.9	29.2	29.2	29.2	6.2
Built-In Electric Units	5.7	10.9	5.3	13.2	15.2
Central Warm-Air Furnace	11.8	9.0	11.8	7.9	14.9
For One Housing Unit	11.1	8.5	10.7	7.6	14.9
For Two or More Units	0.7	Q	Q	Q	51.7
Heat Pump	9.7	7.0	10.5	5.6	12.8
Other	1.7	2.2	Q	2.5	22.9
Fuel Oil	7.5	0.7	Q	Q	26.5
Steam or Hot-Water System	4.1	Q	Q	Q	16.2
For One Housing Unit	3.1	Q	Q	Q	18.8
For Two or More Units	1.1	Q	Q	Q	25.9
Central Warm-Air Furnace	3.1	Q	Q	Q	26.0
Other	0.3	Q	Q	Q	46.5
Wood	1.9	3.3	2.3	3.6	17.0
Heating Stove	1.4	2.4	2.1	2.5	19.8
Other	0.5	0.9	Q	1.2	33.7
LPG	4.6	3.1	5.6	2.2	25.3
Central Warm-Air Furnace	3.1	2.0	3.3	1.4	30.0
Room Heater	1.0	Q	Q	Q	29.4
Other	0.5	0.8	Q	Q	37.7
Kerosene	0.8	Q	Q	Q	31.5
Other	0.2	Q	Q	Q	77.3
Amount of Heat Provided by Main Heating Equipment					
All or Almost All	90.2	84.1	87.5	82.8	1.3
About Three-Fourths	4.0	5.8	6.0	5.7	13.0
Closer to One-Half	3.5	5.2	4.2	5.7	13.4
Don't Know	1.4	1.9	Q	1.9	28.0

See footnotes at end of table.

**Table HC3-12b. Space Heating by West Census Region,
Percent of U.S. Households, 2001 (Continued)**

Space Heating Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.6	1.0	1.6	1.2	
Age of Main Heating Equipment					
Less than 2 Years	8.1	6.1	7.7	5.5	11.4
2 to 4 Years	12.5	12.2	16.6	10.4	11.6
5 to 9 Years	20.0	13.9	16.9	12.7	9.4
10 to 19 Years	22.4	19.4	18.4	19.9	9.9
20 Years or More	24.8	35.0	32.3	36.1	6.3
Don't Know	11.2	10.4	7.6	11.5	13.4
Secondary Heating Fuel and Equipment (more than one may apply)					
No	67.4	61.9	64.4	60.8	3.3
Yes	31.7	35.2	35.3	35.2	6.1
Natural Gas	5.2	5.8	6.0	5.8	17.5
Fireplace	3.0	4.2	Q	4.6	19.0
Room Heater	0.9	Q	Q	Q	33.3
Central Warm-Air Furnace	0.7	0.8	Q	Q	30.8
Other Equipment	0.6	Q	Q	Q	43.3
Electricity	14.7	16.8	17.5	16.5	7.4
Portable Heater	11.0	12.4	12.3	12.4	8.7
Built-in Electric Units	2.3	2.6	3.3	2.3	20.2
Heat Pump	1.1	1.4	Q	Q	28.1
Other Equipment	0.6	0.8	Q	Q	33.0
Fuel Oil	0.4	Q	Q	Q	41.9
Wood	11.6	16.3	12.9	17.6	10.1
Fireplace	8.8	13.1	8.3	15.0	10.5
Heating Stove	2.8	3.1	4.6	2.5	14.5
Other Equipment	0.3	Q	Q	Q	45.1
LPG	1.9	1.1	Q	Q	36.0
Kerosene	1.8	Q	Q	Q	22.6
Other	0.4	Q	Q	Q	39.9

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.

• Percentages are calculated on unrounded numbers. • 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, B, C of the 2001 Residential Energy Consumption Survey.