

2001 Housing Characteristics Tables

Housing Unit Tables

(Million U.S. Households; 49 pages, 210 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 HC1-1a. Housing Unit Characteristics by Climate Zone,
Million U.S. Households, 2001**

Housing Unit 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:	0.4	1.8	1.0	1.1	1.2	1.1	
Total	107.0	9.2	28.6	24.0	21.0	24.1	8.0
Census Region and Division							
Northeast	20.3	1.9	10.0	8.4	Q	Q	6.8
New England	5.4	1.4	4.0	Q	Q	Q	18.4
Middle Atlantic	14.8	0.5	6.0	8.4	Q	Q	4.6
Midwest	24.5	5.4	14.8	4.3	Q	Q	19.0
East North Central	17.1	2.8	12.5	Q	Q	Q	15.7
West North Central	7.4	2.7	Q	2.4	Q	Q	26.4
South	38.9	Q	Q	8.9	9.9	20.1	10.7
South Atlantic	20.3	Q	Q	6.3	5.7	8.3	3.4
East South Central	6.8	Q	Q	2.6	Q	Q	33.1
West South Central	11.8	Q	Q	Q	Q	10.3	9.8
West	23.3	1.9	3.9	2.5	11.1	3.9	9.8
Mountain	6.7	1.0	2.9	Q	Q	2.4	9.3
Pacific	16.6	0.9	Q	2.5	10.7	1.5	7.9
Metropolitan Statistical Area							
Urban	85.5	4.5	25.5	19.3	15.7	20.4	7.3
Central City	40.0	2.6	10.5	8.0	8.6	10.5	12.2
Suburban	45.5	1.9	15.1	11.4	7.2	10.0	10.4
Rural	21.5	4.8	Q	4.7	5.3	3.7	18.6
Climate Zone¹							
Fewer than 2,000 CDD and--							
More than 7,000 HDD	9.2	9.2	--	--	--	--	20.3
5,500 to 7,000 HDD	28.6	--	28.6	--	--	--	13.5
4,000 to 5,499 HDD	24.0	--	--	24.0	--	--	12.6
Fewer than 4,000 HDD	21.0	--	--	--	21.0	--	13.4
2,000 CDD or More and --							
Fewer than 4,000 HDD	24.1	--	--	--	--	24.1	10.2
Total Floorspace Category² (square feet)							
Fewer than 500	3.9	Q	0.7	1.0	1.1	0.9	16.9
500 to 999	21.8	1.4	4.9	5.0	4.8	5.6	10.8
1,000 to 1,499	22.7	1.0	5.1	4.9	5.2	6.4	9.8
1,500 to 1,999	16.6	1.6	3.8	4.0	3.0	4.3	11.7
2,000 to 2,499	13.5	1.8	3.9	3.0	2.3	2.6	11.9
2,500 to 2,999	9.3	1.0	3.5	2.2	1.4	1.2	13.7
3,000 to 3,499	6.9	1.1	2.2	1.5	1.0	1.1	17.8
3,500 to 3,999	4.1	0.4	1.5	0.8	0.6	0.8	18.6
4,000 or More	8.2	0.8	2.9	1.8	1.4	1.3	14.5
Type and Ownership of Housing Unit							
Single-Family Detached	63.1	6.3	16.0	12.3	13.0	15.6	8.9
Owned	55.7	5.6	14.6	11.0	10.8	13.6	9.1
Rented	7.4	0.7	1.4	1.3	2.1	2.0	16.2
Single-Family Attached	10.6	1.0	3.2	3.5	1.9	1.1	16.9
Owned	7.5	0.7	2.3	2.6	1.3	0.7	24.0
Rented	3.1	0.3	0.9	0.9	0.6	0.4	18.8
Apartments in Buildings With							
2 to 4 Units	9.5	0.7	3.5	2.2	1.3	1.7	16.2
Owned	2.1	0.2	0.8	0.7	Q	0.3	26.4
Rented	7.4	0.6	2.7	1.5	1.2	1.4	17.8
Apartments in Buildings With							
5 or More Units	17.0	0.7	4.2	5.0	3.5	3.5	14.8
Owned	1.8	Q	0.4	0.5	Q	0.9	38.0
Rented	15.2	0.7	3.9	4.5	3.5	2.6	14.0

See footnotes at end of table.

**Table HC1-1a. Housing Unit Characteristics by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Housing Unit 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:	0.4	1.8	1.0	1.1	1.2	1.1	
Type and Ownership of Housing Unit							
Mobile Homes	6.8	0.5	1.7	1.1	1.4	2.1	22.9
Owned	5.7	0.4	1.5	1.0	1.1	1.7	24.8
Rented	1.1	Q	0.3	Q	Q	0.4	35.5
Ownership of Unit							
Owned	72.7	6.9	19.5	15.7	13.3	17.2	7.9
Rented	34.3	2.4	9.1	8.3	7.6	6.8	9.0
Year of Construction							
1939 or Before	19.0	3.2	6.7	5.0	2.5	1.5	14.5
1940 to 1949	7.6	0.7	1.9	2.3	1.4	1.4	15.9
1950 to 1959	14.2	1.0	4.2	3.0	2.9	3.1	10.2
1960 to 1969	13.8	0.7	3.8	3.3	3.2	2.8	11.1
1970 to 1979	18.8	1.3	4.7	3.5	3.8	5.5	10.8
1980 to 1989	18.2	1.2	3.9	3.8	3.4	5.9	10.6
1990 to 1999	14.5	1.1	3.2	2.9	3.6	3.8	18.2
2000 to 2001 ³	0.9	Q	0.3	Q	Q	Q	36.3
Urban/Rural Location⁴							
City	49.9	4.3	11.8	9.3	11.3	13.1	8.8
Town	18.0	2.0	6.1	3.8	3.7	2.5	16.2
Suburbs	21.2	0.7	6.2	6.7	2.9	4.8	10.8
Rural or Open Country	17.9	2.3	4.6	4.3	3.1	3.7	16.6
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	2.6	Q	0.7	0.7	0.6	0.4	27.2
3	9.2	0.6	2.1	2.6	1.9	2.1	14.4
4	19.0	1.7	4.9	4.2	4.0	4.3	10.8
5	22.2	1.5	5.8	4.5	4.4	6.1	11.0
6	23.0	1.9	6.0	5.0	4.9	5.2	10.4
7	14.0	1.6	4.4	2.9	2.4	2.8	12.0
8	9.8	1.2	2.7	2.3	1.7	2.0	12.9
9 or More	7.2	0.7	2.1	2.0	1.1	1.3	16.6
Bedrooms							
None or 1	13.6	1.0	3.4	3.8	2.6	2.8	11.8
2	29.5	2.3	8.3	6.4	5.5	7.0	9.8
3	44.1	3.8	11.4	9.7	9.3	9.9	9.7
4 or More	19.8	2.1	5.6	4.2	3.6	4.4	10.8
Other Rooms (Excluding Bathrooms)							
None or 1	4.2	0.3	0.9	1.1	1.0	0.9	19.7
2	39.4	2.9	9.6	8.5	8.8	9.6	8.9
3	35.0	3.0	9.9	7.4	6.5	8.3	9.6
4	18.4	1.9	5.5	4.2	3.2	3.6	11.3
5 or More	10.0	1.1	2.8	2.9	1.5	1.7	14.2
Full Bathrooms							
None or 1	58.5	6.0	17.9	14.2	10.0	10.4	8.7
2	41.2	2.9	9.1	8.5	9.0	11.7	9.2
3 or More	7.3	0.4	1.6	1.3	1.9	1.9	18.6
Half Bathrooms							
None	76.6	6.4	19.1	16.2	15.8	19.0	7.0
1	27.9	2.5	8.8	7.0	4.9	4.8	8.1
2 or More	2.5	0.3	0.7	0.9	0.3	0.3	22.3

See footnotes at end of table.

Table HC1-1a. Housing Unit Characteristics by Climate Zone, Million U.S. Households, 2001 (Continued)

Housing Unit 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:	0.4	1.8	1.0	1.1	1.2	1.1	
Number of Stories							
Single-Family Homes	73.7	7.3	19.2	15.7	14.8	16.7	8.0
1 Story	44.2	3.4	8.7	7.1	10.6	14.5	9.5
2 Stories	26.4	3.6	9.2	7.6	3.9	2.1	10.7
3 or More Stories	1.6	0.2	0.7	0.6	Q	Q	22.9
Split-Level	1.3	Q	0.6	0.4	Q	Q	32.8
Other	Q	Q	Q	Q	Q	Q	NF
Apartments in Buildings With							
2 to 4 Units	9.5	0.7	3.5	2.2	1.3	1.7	16.2
1 Story	4.5	0.4	1.0	1.1	0.8	1.2	21.0
2 Stories	3.9	0.3	1.8	0.8	0.4	0.6	20.1
3 or More Stories	1.1	Q	0.6	0.3	Q	Q	35.4
Split-Level	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	0.5	1.7	1.1	1.4	2.1	22.9
Number of Floors for Apartments in Buildings With 5 or More Units							
1 or 2 Floors	17.0	0.7	4.2	5.0	3.5	3.5	14.8
3 or 4 Floors	8.9	0.2	1.7	1.3	2.9	2.7	20.1
5 to 10 Floors	4.7	0.4	1.7	1.5	0.6	0.5	22.8
11 to 20 Floors	2.4	Q	0.6	1.5	Q	Q	27.0
More than 20 Floors	0.9	Q	Q	0.6	Q	Q	33.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	Q	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)							
Basement	39.1	6.4	16.8	10.3	3.7	2.0	10.8
Crawlspace	24.2	1.7	4.8	5.0	8.2	4.5	13.4
Concrete Slab	29.5	1.0	4.2	4.4	7.2	12.7	10.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	1.2	6.0	6.1	4.9	5.6	12.1
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units							
Yes	28.3	5.2	12.7	8.2	1.6	0.6	12.8
All	22.1	3.9	10.4	6.5	1.0	0.3	13.4
Part	6.2	1.3	2.4	1.7	0.6	0.3	18.4
No	10.8	1.1	4.1	2.1	2.1	1.4	13.9
No Basement	44.0	1.7	5.9	7.7	12.4	16.4	10.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	1.2	6.0	6.1	4.9	5.6	12.1
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units							
Yes	24.6	2.2	6.3	5.7	4.8	5.5	12.5
Finished	3.5	0.4	1.1	0.8	0.7	0.5	23.2
Unfinished	21.1	1.8	5.3	4.9	4.1	4.9	13.0
No Attic	58.6	5.8	16.3	12.2	11.3	13.0	8.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	1.2	6.0	6.1	4.9	5.6	12.1

See footnotes at end of table.

**Table HC1-1a. Housing Unit Characteristics by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Housing Unit 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:	0.4	1.8	1.0	1.1	1.2	1.1	
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units							
Yes	4.5	0.4	1.2	1.1	0.8	1.0	19.7
Fully Heated	2.7	0.2	0.8	0.7	0.3	0.6	22.1
Partially Heated	1.8	0.2	0.3	0.4	0.5	0.4	27.7
Attic Not Heated	20.1	1.9	5.2	4.6	4.0	4.4	13.1
No Attic	58.6	5.8	16.3	12.2	11.3	13.0	8.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	1.2	6.0	6.1	4.9	5.6	12.1
Garage/Carport (single-family and mobile homes)							
Yes	58.4	6.2	16.0	11.3	11.4	13.5	8.4
Attached	37.1	3.1	10.6	7.2	7.8	8.5	9.6
1-Car Garage	10.8	1.1	2.9	3.1	1.9	1.9	16.5
2-Car Garage	24.1	1.7	7.0	3.5	5.4	6.5	11.4
3 or more Car Garage	2.3	0.3	0.7	0.6	0.5	Q	28.5
Detached	17.0	3.1	4.9	3.5	2.6	2.8	13.8
1-Car Garage	6.9	1.2	1.8	1.7	1.1	1.1	17.3
2-Car Garage	8.7	1.6	2.8	1.5	1.3	1.5	15.3
3 or more Car Garage	1.4	0.3	0.4	0.2	0.3	Q	29.7
Carport (only)	4.2	Q	0.4	0.6	0.9	2.1	24.3
No	22.1	1.5	4.9	5.5	4.8	5.4	13.3
Not Asked (Apartments)	26.5	1.5	7.7	7.2	4.8	5.3	10.5
Fuels Used For Any Use (more than one often used)							
Electricity	107.0	9.2	28.6	24.0	21.0	24.1	8.0
Natural Gas	66.9	4.9	21.2	14.9	13.8	12.1	8.6
Wood	14.5	2.0	3.1	2.9	3.4	3.0	13.1
Fuel Oil	8.7	1.8	2.9	3.7	Q	Q	16.8
LPG	9.4	1.6	2.2	1.9	2.1	1.5	20.9
Kerosene	2.9	0.4	0.7	0.7	0.8	0.3	21.6
Solar	1.1	0.1	0.2	Q	0.4	0.3	31.0
Main Heating Fuel							
Natural Gas	59.3	4.8	20.2	12.5	11.9	9.8	9.1
Electricity	31.1	1.2	3.9	6.3	7.0	12.7	11.0
Fuel Oil	8.0	1.7	2.7	3.5	Q	Q	16.8
LPG	5.0	0.8	1.3	1.1	1.0	0.9	28.5
Wood	2.0	0.6	0.3	0.5	0.4	Q	24.8
Kerosene	0.8	0.1	Q	Q	0.4	Q	28.8
Solar	Q	Q	Q	Q	Q	Q	NF
Other/None	0.7	Q	Q	Q	Q	0.4	31.2

See footnotes at end of table.

**Table HC1-1a. Housing Unit Characteristics by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Housing Unit 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:	0.4	1.8	1.0	1.1	1.2	1.1	
Natural Gas Available in Neighborhood							
Yes	77.7	5.7	23.6	17.8	15.3	15.3	8.2
No	29.3	3.6	5.0	6.2	5.7	8.8	12.2

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC1-2a. Housing Unit Characteristics by Year of Construction, Million U.S. Households, 2001

Housing Unit 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	1.6	1.2	1.0	1.1	1.1	0.8	
Total	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Census Region and Division								
Northeast	20.3	1.5	2.4	2.1	2.8	3.0	8.5	8.8
New England	5.4	0.4	0.7	0.4	0.8	0.9	2.3	11.3
Middle Atlantic	14.8	1.1	1.7	1.7	2.0	2.2	6.2	11.2
Midwest	24.5	2.8	3.7	3.6	2.9	3.5	8.1	10.2
East North Central	17.1	2.0	2.5	2.5	2.0	2.6	5.5	11.9
West North Central	7.4	0.8	1.2	1.1	0.9	0.9	2.5	19.5
South	38.9	7.6	8.9	7.7	4.4	4.4	6.0	7.0
South Atlantic	20.3	4.2	4.9	4.3	2.2	2.4	2.3	10.1
East South Central	6.8	1.4	1.5	1.0	0.8	0.7	1.4	11.5
West South Central	11.8	2.0	2.5	2.4	1.4	1.3	2.3	12.9
West	23.3	3.6	3.4	5.4	3.7	3.3	4.0	8.4
Mountain	6.7	1.2	0.9	1.9	0.8	0.8	1.2	17.1
Pacific	16.6	2.4	2.4	3.5	2.8	2.5	2.9	9.7
Metropolitan Statistical Area								
Urban	85.5	12.0	15.2	14.8	11.6	12.0	19.9	4.8
Central City	40.0	4.0	5.9	6.6	5.7	5.7	12.0	8.3
Suburban	45.5	8.0	9.2	8.3	5.9	6.3	7.8	7.6
Rural	21.5	3.4	3.1	3.9	2.2	2.1	6.7	9.8
Climate Zone²								
Fewer than 2,000 CDD and--								
More than 7,000 HDD	9.2	1.3	1.2	1.3	0.7	1.0	3.9	19.7
5,500 to 7,000 HDD	28.6	3.5	3.9	4.7	3.8	4.2	8.6	12.3
4,000 to 5,499 HDD	24.0	3.1	3.8	3.5	3.3	3.0	7.3	12.8
Fewer than 4,000 HDD	21.0	3.7	3.4	3.8	3.2	2.9	4.0	12.6
2,000 CDD or More and --								
Fewer than 4,000 HDD	24.1	3.9	5.9	5.5	2.8	3.1	2.8	11.1
Total Floorspace Category³ (square feet)								
Fewer than 500	3.9	Q	0.6	0.7	0.7	0.4	1.3	19.4
500 to 999	21.8	2.1	3.8	5.3	3.0	2.5	5.1	8.5
1,000 to 1,499	22.7	3.4	4.1	4.3	2.9	2.8	5.1	8.9
1,500 to 1,999	16.6	2.2	3.0	2.6	2.1	2.4	4.4	9.5
2,000 to 2,499	13.5	2.1	2.3	1.9	1.7	2.2	3.2	10.4
2,500 to 2,999	9.3	1.2	1.3	1.4	1.3	1.4	2.7	12.4
3,000 to 3,499	6.9	1.2	1.3	0.9	0.7	0.9	1.9	15.6
3,500 to 3,999	4.1	0.8	0.6	0.6	0.5	0.4	1.2	17.4
4,000 or More	8.2	2.3	1.2	1.0	0.8	1.1	1.8	14.0
Type and Ownership of Housing Unit								
Single-Family Detached	63.1	9.6	8.7	9.4	8.3	10.6	16.5	5.5
Owned	55.7	9.1	8.2	8.4	7.3	9.0	13.6	5.8
Rented	7.4	0.4	0.5	1.0	1.0	1.6	3.0	14.4
Single-Family Attached	10.6	1.9	2.4	1.9	1.3	0.9	2.2	16.3
Owned	7.5	1.5	1.8	1.2	1.0	0.7	1.4	20.0
Rented	3.1	0.4	0.6	0.7	0.3	0.2	0.8	21.4
Apartments in Buildings With								
2 to 4 Units	9.5	0.5	1.6	1.3	0.9	1.1	4.1	14.5
Owned	2.1	Q	0.4	Q	Q	Q	1.2	28.7
Rented	7.4	0.4	1.2	1.1	0.8	1.0	2.9	15.3
5 or More Units	17.0	1.5	3.5	4.3	2.7	1.4	3.6	11.8
Owned	1.8	Q	0.6	0.5	0.4	Q	Q	38.0
Rented	15.2	1.5	2.9	3.8	2.3	1.2	3.4	11.9
Mobile Homes	6.8	2.0	2.0	1.8	0.6	Q	Q	15.1
Owned	5.7	1.9	1.6	1.5	0.5	Q	Q	16.1
Rented	1.1	Q	0.4	0.3	Q	Q	Q	27.7

See footnotes at end of table.

Table HC1-2a. Housing Unit Characteristics by Year of Construction, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.6	1.2	1.0	1.1	1.1	0.8	
Ownership of Unit								
Owned	72.7	12.5	12.7	11.8	9.2	10.1	16.4	5.0
Rented	34.3	2.9	5.5	7.0	4.5	4.1	10.2	7.4
Year of Construction								
1939 or Before	19.0	--	--	--	--	--	19.0	7.5
1940 to 1949	7.6	--	--	--	--	--	7.6	11.0
1950 to 1959	14.2	--	--	--	--	14.2	--	6.1
1960 to 1969	13.8	--	--	--	13.8	--	--	6.2
1970 to 1979	18.8	--	--	18.8	--	--	--	5.9
1980 to 1989	18.2	--	18.2	--	--	--	--	5.9
1990 to 1999	14.5	14.5	--	--	--	--	--	9.0
2000 to 2001 ¹	0.9	0.9	--	--	--	--	--	19.9
Urban/Rural Location⁴								
City	49.9	5.4	6.7	8.8	6.9	7.1	15.0	6.5
Town	18.0	1.9	2.9	2.9	2.4	2.4	5.4	10.6
Suburbs	21.2	4.5	5.1	3.5	2.6	3.0	2.5	10.4
Rural or Open Country	17.9	3.7	3.5	3.5	1.9	1.6	3.6	10.5
Total Number of Rooms (Excluding Bathrooms)								
1 or 2	2.6	Q	0.4	0.4	0.5	0.2	0.9	26.7
3	9.2	0.8	1.7	2.0	1.5	0.8	2.4	13.9
4	19.0	1.9	3.8	4.1	2.3	2.0	4.8	8.9
5	22.2	3.3	3.7	3.4	2.9	3.3	5.6	8.5
6	23.0	2.8	3.9	3.7	2.8	4.1	5.7	7.7
7	14.0	2.2	2.0	2.4	2.0	2.0	3.4	9.3
8	9.8	2.3	1.8	1.6	1.1	1.1	2.0	12.5
9 or More	7.2	2.0	1.0	1.0	0.7	0.6	1.8	15.4
Bedrooms								
None or 1	13.6	0.9	2.2	2.5	2.2	1.1	4.6	12.5
2	29.5	2.6	5.4	5.9	3.3	3.8	8.5	7.6
3	44.1	7.8	7.4	7.1	5.8	6.7	9.3	6.5
4 or More	19.8	4.1	3.1	3.3	2.5	2.5	4.3	9.1
Other Rooms (Excluding Bathrooms)								
None or 1	4.2	0.6	0.8	0.8	0.5	0.5	1.0	18.6
2	39.4	5.2	7.0	7.9	5.9	4.9	8.6	6.4
3	35.0	4.1	6.0	5.5	4.2	5.3	10.0	6.8
4	18.4	2.9	2.9	3.1	2.4	2.6	4.4	9.5
5 or More	10.0	2.7	1.5	1.5	0.8	0.9	2.6	13.0
Full Bathrooms								
None or 1	58.5	3.0	7.0	9.9	8.3	9.3	21.0	5.8
2	41.2	9.9	9.6	7.6	4.9	4.4	4.8	6.6
3 or More	7.3	2.6	1.6	1.2	0.5	0.5	0.8	17.5
Half Bathrooms								
None	76.6	9.4	12.0	14.1	9.7	10.4	21.0	4.3
1	27.9	5.5	5.9	4.2	3.9	3.4	5.0	7.8
2 or More	2.5	0.6	0.4	0.5	0.2	0.3	0.5	23.8

See footnotes at end of table.

Table HC1-2a. Housing Unit Characteristics by Year of Construction, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.6	1.2	1.0	1.1	1.1	0.8	
Number of Stories								
Single-Family Homes	73.7	11.5	11.1	11.3	9.6	11.5	18.7	5.1
1 Story	44.2	6.0	5.8	8.0	7.4	8.6	8.3	6.2
2 Stories	26.4	5.2	4.7	2.5	1.7	2.5	9.7	9.2
3 or More Stories	1.6	Q	0.2	0.3	Q	Q	0.6	26.0
Split-Level	1.3	Q	0.3	0.4	0.3	Q	Q	29.7
Other	Q	Q	Q	Q	Q	Q	Q	NF
Apartments in Buildings With								
2 to 4 Units	9.5	0.5	1.6	1.3	0.9	1.1	4.1	14.5
1 Story	4.5	0.3	0.9	0.8	0.6	0.5	1.4	19.7
2 Stories	3.9	Q	0.6	0.5	0.3	0.5	1.9	19.5
3 or More Stories	1.1	Q	Q	Q	Q	Q	0.8	33.1
Split-Level	Q	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	2.0	2.0	1.8	0.6	Q	Q	15.1
Number of Floors for Apartments in Buildings With 5 or More Units								
1 or 2 Floors	17.0	1.5	3.5	4.3	2.7	1.4	3.6	11.8
3 or 4 Floors	8.9	0.7	2.6	2.4	1.3	0.7	1.1	17.1
5 to 10 Floors	4.7	0.8	0.4	1.3	0.5	0.3	1.4	24.6
11 to 20 Floors	2.4	Q	0.4	0.3	0.6	0.3	0.8	26.8
More than 20 Floors	0.9	Q	Q	Q	0.3	Q	0.3	34.5
Other	Q	Q	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)								
Basement	39.1	4.8	4.4	4.4	4.7	6.2	14.6	7.6
Crawlspace	24.2	2.7	2.6	3.0	3.2	4.5	8.1	9.5
Concrete Slab	29.5	5.2	6.8	6.6	3.8	4.0	3.2	8.4
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	3.5	5.5	6.1	3.3	1.6	3.8	9.5
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units								
Yes	28.3	3.9	3.2	3.3	3.7	4.5	9.7	8.6
All	22.1	3.2	2.7	2.6	2.9	3.6	7.1	9.2
Part	6.2	0.7	0.5	0.7	0.8	0.9	2.6	15.9
No	10.8	1.0	1.2	1.1	1.0	1.6	5.0	12.6
No Basement	44.0	7.1	8.3	8.3	5.8	6.5	8.2	6.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	3.5	5.5	6.1	3.3	1.6	3.8	9.5
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units								
Yes	24.6	4.1	4.0	3.0	2.7	3.4	7.4	10.4
Finished	3.5	0.4	0.4	0.3	0.4	0.5	1.6	23.5
Unfinished	21.1	3.7	3.6	2.7	2.3	3.0	5.8	11.0
No Attic	58.6	7.9	8.7	9.7	7.8	9.2	15.4	5.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	3.5	5.5	6.1	3.3	1.6	3.8	9.5

See footnotes at end of table.

Table HC1-2a. Housing Unit Characteristics by Year of Construction, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.6	1.2	1.0	1.1	1.1	0.8	
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units								
Yes	4.5	0.6	0.6	0.4	0.4	0.6	1.8	19.5
Fully Heated	2.7	0.4	0.4	0.2	0.2	0.3	1.1	24.1
Partially Heated	1.8	Q	Q	Q	Q	0.3	0.7	24.9
Attic Not Heated	20.1	3.4	3.4	2.6	2.3	2.8	5.6	11.1
No Attic	58.6	7.9	8.7	9.7	7.8	9.2	15.4	5.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	3.5	5.5	6.1	3.3	1.6	3.8	9.5
Garage/Carport (single-family and mobile homes)								
Yes	58.4	10.3	9.7	9.6	7.9	8.6	12.2	5.7
Attached	37.1	8.7	7.6	7.2	5.7	4.9	3.1	7.9
1-Car Garage	10.8	1.3	1.6	1.8	1.7	2.4	1.9	14.9
2-Car Garage	24.1	5.8	5.7	5.2	3.9	2.3	1.2	9.5
3 or more Car Garage	2.3	1.6	0.3	Q	Q	Q	Q	21.5
Detached	17.0	1.4	1.4	1.3	1.5	3.0	8.4	11.7
1-Car Garage	6.9	Q	0.4	0.6	0.7	1.2	3.8	15.5
2-Car Garage	8.7	1.0	0.7	0.6	0.7	1.6	4.0	14.7
3 or more Car Garage	1.4	0.2	0.3	Q	Q	Q	0.5	27.4
Carport (only)	4.2	Q	0.7	1.1	0.7	0.8	0.7	20.2
No	22.1	3.2	3.4	3.5	2.2	3.0	6.8	10.0
Not Asked (Apartments)	26.5	2.0	5.1	5.6	3.6	2.5	7.7	9.1
Fuels Used For Any Use (more than one often used)								
Electricity	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
Wood	14.5	2.0	3.0	3.2	2.0	1.7	2.5	9.9
Fuel Oil	8.7	0.3	0.5	0.9	1.3	1.8	3.9	15.5
LPG	9.4	1.4	1.5	1.7	1.1	1.0	2.6	13.9
Kerosene	2.9	0.4	0.3	0.7	0.4	0.3	0.8	20.8
Solar	1.1	Q	0.2	Q	0.3	0.2	Q	30.6
Main Heating Fuel								
Natural Gas	59.3	8.6	7.4	7.8	8.5	9.3	17.8	6.4
Electricity	31.1	5.6	9.0	8.4	3.0	2.3	2.8	8.2
Fuel Oil	8.0	0.2	0.4	0.8	1.1	1.8	3.7	15.7
LPG	5.0	0.8	0.9	0.8	0.6	0.4	1.5	19.2
Wood	2.0	0.1	0.4	0.5	0.3	0.2	0.6	24.5
Kerosene	0.8	Q	Q	0.3	Q	Q	Q	29.9
Solar	Q	Q	Q	Q	Q	Q	Q	NF
Other/None	0.7	Q	Q	Q	0.2	0.2	Q	28.7
Natural Gas Available in Neighborhood								
Yes	77.7	10.8	10.9	11.6	10.6	11.5	22.3	5.3
No	29.3	4.6	7.3	7.1	3.2	2.7	4.3	8.7

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 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.

³ Does **not** include floorspace for unheated garages.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC1-3a. Housing Unit Characteristics by Household Income, Million U.S. Households, 2001

Housing Unit 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	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.3
Census Region and Division								
Northeast	20.3	3.3	4.2	4.9	7.8	2.6	6.8	6.4
New England	5.4	0.8	1.1	1.3	2.3	0.6	1.6	9.9
Middle Atlantic	14.8	2.6	3.2	3.5	5.6	2.0	5.2	7.7
Midwest	24.5	3.7	5.2	6.8	8.9	2.8	7.4	5.8
East North Central	17.1	2.5	3.4	5.1	6.2	1.9	5.2	7.0
West North Central	7.4	1.2	1.8	1.7	2.7	0.9	2.2	9.8
South	38.9	7.6	8.4	9.5	13.5	6.0	12.1	6.1
South Atlantic	20.3	3.6	3.8	5.3	7.7	2.7	5.9	8.2
East South Central	6.8	1.8	1.6	1.6	1.9	1.3	2.3	12.3
West South Central	11.8	2.3	3.0	2.6	3.9	1.9	3.9	11.8
West	23.3	4.1	5.1	6.0	8.1	3.6	7.5	6.9
Mountain	6.7	1.3	2.0	2.0	1.4	1.1	2.5	10.0
Pacific	16.6	2.8	3.2	4.0	6.7	2.4	5.0	8.8
Metropolitan Statistical Area								
Urban	85.5	13.7	17.1	21.0	33.7	11.1	25.4	3.8
Central City	40.0	8.3	8.7	10.3	12.7	6.8	14.1	6.4
Suburban	45.5	5.4	8.4	10.7	20.9	4.2	11.2	6.7
Rural	21.5	5.0	5.8	6.1	4.6	3.9	8.4	7.5
Climate Zone²								
Fewer than 2,000 CDD and--								
More than 7,000 HDD	9.2	1.5	1.9	2.5	3.3	1.0	2.7	19.0
5,500 to 7,000 HDD	28.6	4.4	6.3	7.7	10.3	3.4	9.4	10.6
4,000 to 5,499 HDD	24.0	4.2	5.1	5.6	9.0	3.3	8.0	11.0
Fewer than 4,000 HDD	21.0	4.3	3.9	4.9	7.8	3.8	6.7	12.1
2,000 CDD or More and --								
Fewer than 4,000 HDD	24.1	4.2	5.6	6.4	7.9	3.5	7.1	10.4
Total Floorspace Category³ (square feet)								
Fewer than 500	3.9	1.8	1.0	0.8	0.3	1.4	2.3	14.9
500 to 999	21.8	7.4	6.4	4.8	3.2	5.9	11.0	7.0
1,000 to 1,499	22.7	4.6	6.2	6.4	5.4	4.0	8.6	6.7
1,500 to 1,999	16.6	2.1	3.8	5.0	5.7	1.5	4.9	7.9
2,000 to 2,499	13.5	1.3	2.2	3.8	6.2	1.1	3.0	9.9
2,500 to 2,999	9.3	0.7	1.4	2.1	5.1	0.6	1.7	12.0
3,000 to 3,499	6.9	0.4	1.0	1.5	3.9	0.3	1.3	15.7
3,500 to 3,999	4.1	Q	0.4	1.1	2.4	Q	0.5	15.8
4,000 or More	8.2	0.2	0.4	1.5	6.1	Q	0.7	15.2
Type and Ownership of Housing Unit								
Single-Family Detached	63.1	7.4	11.6	16.2	27.9	5.5	14.9	4.6
Owned	55.7	5.2	9.8	14.2	26.4	3.4	11.4	5.0
Rented	7.4	2.1	1.8	2.0	1.5	2.1	3.5	10.5
Single-Family Attached	10.6	1.3	1.8	3.0	4.5	1.1	2.9	13.4
Owned	7.5	0.5	1.1	2.2	3.7	0.4	1.4	19.3
Rented	3.1	0.8	0.7	0.8	0.7	0.7	1.5	16.9
Apartments in Buildings With								
2 to 4 Units	9.5	2.6	2.6	2.5	1.7	2.3	4.3	11.1
Owned	2.1	Q	0.6	0.7	0.7	Q	0.6	23.8
Rented	7.4	2.5	2.0	1.8	1.1	2.1	3.8	11.9
5 or More Units	17.0	5.7	4.1	3.9	3.3	4.5	8.3	9.2
Owned	1.8	Q	0.4	0.5	0.7	Q	0.3	38.2
Rented	15.2	5.5	3.7	3.4	2.6	4.4	8.0	9.2
Mobile Homes	6.8	1.7	2.7	1.5	1.0	1.5	3.3	14.1
Owned	5.7	1.2	2.3	1.3	0.9	1.1	2.6	16.0
Rented	1.1	0.4	0.4	Q	Q	0.5	0.7	23.2

See footnotes at end of table.

Table HC1-3a. Housing Unit Characteristics by Household Income, Million U.S. Households, 2001 (Continued)

Housing Unit 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	
Ownership of Unit								
Owned	72.7	7.4	14.2	18.8	32.3	5.2	16.3	4.5
Rented	34.3	11.3	8.7	8.3	6.0	9.8	17.5	5.3
Year of Construction								
1939 or Before	19.0	4.4	4.9	4.9	4.8	3.5	7.8	7.6
1940 to 1949	7.6	2.0	1.8	1.8	2.0	1.6	3.6	11.1
1950 to 1959	14.2	2.1	3.2	4.0	4.9	1.7	4.0	8.9
1960 to 1969	13.8	2.3	3.0	3.6	4.8	1.7	4.2	8.8
1970 to 1979	18.8	3.5	4.4	4.9	6.1	2.8	6.3	7.6
1980 to 1989	18.2	2.8	3.3	4.7	7.4	2.3	4.7	9.4
1990 to 1999	14.5	1.5	2.2	3.0	7.8	1.3	3.0	13.5
2000 to 2001 ⁴	0.9	Q	Q	Q	0.6	Q	Q	28.8
Urban/Rural Location⁵								
City	49.9	10.8	11.2	12.6	15.3	8.8	18.2	5.2
Town	18.0	3.7	4.4	4.4	5.5	2.8	6.6	9.0
Suburbs	21.2	1.7	3.2	4.9	11.4	1.4	3.8	9.6
Rural or Open Country	17.9	2.6	4.2	5.1	6.0	2.0	5.2	10.5
Total Number of Rooms (Excluding Bathrooms)								
1 or 2	2.6	1.3	0.7	0.3	Q	1.1	1.7	17.6
3	9.2	3.9	2.6	1.5	1.3	3.0	5.0	10.1
4	19.0	5.3	4.8	5.5	3.4	3.7	8.1	7.2
5	22.2	4.0	6.3	5.8	6.0	3.6	7.8	6.5
6	23.0	2.8	4.7	7.2	8.3	2.2	6.5	7.1
7	14.0	0.9	2.3	3.8	7.1	0.9	2.8	9.5
8	9.8	0.4	0.8	1.9	6.7	0.3	1.0	15.3
9 or More	7.2	Q	0.6	1.1	5.3	Q	0.8	15.0
Bedrooms								
None or 1	13.6	5.6	3.9	2.4	1.8	4.3	7.2	8.3
2	29.5	7.2	7.9	8.0	6.5	5.2	11.6	6.3
3	44.1	4.9	8.8	13.0	17.4	4.3	11.5	5.2
4 or More	19.8	1.0	2.3	3.7	12.7	1.2	3.5	9.5
Other Rooms (Excluding Bathrooms)								
None or 1	4.2	1.6	1.1	0.7	0.8	1.3	2.3	14.3
2	39.4	10.9	10.4	10.0	8.0	8.5	17.3	4.9
3	35.0	4.7	7.5	10.3	12.6	3.9	9.9	5.6
4	18.4	1.1	2.9	4.4	10.1	0.9	3.1	9.6
5 or More	10.0	0.4	0.9	1.7	6.8	0.4	1.3	14.1
Full Bathrooms								
None or 1	58.5	15.7	15.7	14.9	12.2	12.1	25.8	4.1
2	41.2	2.8	6.8	11.0	20.6	2.6	7.4	6.6
3 or More	7.3	Q	0.4	1.2	5.5	0.3	0.7	18.5
Half Bathrooms								
None	76.6	16.1	18.3	19.6	22.6	13.1	27.5	3.3
1	27.9	2.4	4.1	7.0	14.4	1.7	5.9	6.4
2 or More	2.5	Q	0.5	0.5	1.4	Q	0.5	22.7
Number of Stories								
Single-Family Homes	73.7	8.7	13.5	19.2	32.3	6.7	17.8	4.2
1 Story	44.2	6.6	9.6	12.3	15.8	4.8	12.1	5.2
2 Stories	26.4	2.0	3.5	6.1	14.8	1.7	5.2	7.7
3 or More Stories	1.6	Q	0.3	0.4	1.0	Q	0.4	25.1
Split-Level	1.3	Q	Q	0.4	0.7	Q	Q	25.6
Other	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table HC1-3a. Housing Unit Characteristics by Household Income, Million U.S. Households, 2001 (Continued)

Housing Unit 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	
Apartments in Buildings With 2 to 4 Units								
2 to 4 Units	9.5	2.6	2.6	2.5	1.7	2.3	4.3	11.1
1 Story	4.5	1.5	1.1	1.3	0.6	1.3	2.1	16.6
2 Stories	3.9	0.9	1.1	1.0	0.9	0.8	1.8	15.2
3 or More Stories	1.1	0.2	0.4	0.3	0.2	Q	0.5	32.9
Split-Level	Q	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	1.7	2.7	1.5	1.0	1.5	3.3	14.1
Number of Floors for Apartments in Buildings With 5 or More Units								
1 or 2 Floors	17.0	5.7	4.1	3.9	3.3	4.5	8.3	9.2
3 or 4 Floors	8.9	2.8	2.5	1.7	1.9	2.3	4.1	12.8
5 to 10 Floors	4.7	1.5	0.9	1.4	0.8	1.1	2.3	18.9
11 to 20 Floors	2.4	1.0	0.6	0.5	0.3	0.7	1.4	24.7
More than 20 Floors	0.9	0.5	Q	Q	Q	0.4	0.6	31.8
	Q	Q	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)								
Basement	39.1	4.0	7.1	9.8	18.3	2.9	9.6	6.4
Crawlspace	24.2	4.0	5.2	6.4	8.6	2.9	7.0	7.6
Concrete Slab	29.5	3.7	5.3	8.2	12.3	3.2	7.0	7.0
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.4	6.8	5.3	4.3	6.1	11.7	7.4
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units								
Yes	28.3	2.1	4.8	6.9	14.5	1.5	5.9	7.6
All	22.1	1.7	3.8	5.4	11.2	1.2	4.7	7.9
Part	6.2	0.3	1.1	1.5	3.3	0.3	1.3	16.1
No	10.8	1.9	2.2	2.9	3.8	1.4	3.6	10.3
No Basement	44.0	7.3	9.0	12.0	15.8	6.0	12.6	5.7
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.4	6.8	5.3	4.3	6.1	11.7	7.4
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units								
Yes	24.6	2.3	3.8	6.5	12.0	1.7	5.1	9.6
Finished	3.5	0.5	0.4	0.9	1.7	0.4	0.8	19.1
Unfinished	21.1	1.8	3.4	5.6	10.2	1.3	4.2	10.5
No Attic	58.6	9.0	12.2	15.3	22.1	7.2	17.0	4.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.4	6.8	5.3	4.3	6.1	11.7	7.4
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units								
Yes	4.5	0.4	0.8	1.1	2.1	0.4	1.0	16.1
Fully Heated	2.7	0.2	0.5	0.6	1.4	0.2	0.6	20.9
Partially Heated	1.8	0.2	0.3	0.5	0.8	Q	0.4	23.8
Attic Not Heated	20.1	1.9	3.0	5.4	9.8	1.3	4.0	10.8
No Attic	58.6	9.0	12.2	15.3	22.1	7.2	17.0	4.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.4	6.8	5.3	4.3	6.1	11.7	7.4

See footnotes at end of table.

Table HC1-3a. Housing Unit Characteristics by Household Income, Million U.S. Households, 2001 (Continued)

Housing Unit 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	
Garage/Carport (single-family and mobile homes)								
Yes	58.4	5.1	10.1	14.8	28.4	3.6	11.5	4.8
Attached	37.1	2.2	5.0	8.6	21.3	1.6	5.5	7.8
1-Car Garage	10.8	1.4	1.9	2.9	4.6	0.9	2.6	12.6
2-Car Garage	24.1	0.8	3.0	5.5	14.8	0.6	2.8	10.4
3 or more Car Garage	2.3	Q	Q	0.3	1.9	Q	Q	25.3
Detached	17.0	2.3	3.8	4.9	6.0	1.7	4.8	8.6
1-Car Garage	6.9	1.3	1.7	2.0	1.8	1.0	2.4	11.3
2-Car Garage	8.7	0.9	1.9	2.3	3.6	0.6	2.3	11.1
3 or more Car Garage	1.4	Q	0.2	0.5	0.6	Q	Q	25.7
Carport (only)	4.2	0.6	1.3	1.3	1.0	0.4	1.2	17.5
No	22.1	5.2	6.1	5.9	4.9	4.6	9.6	8.1
Not Asked (Apartments)	26.5	8.4	6.7	6.4	5.0	6.8	12.7	6.6
Fuels Used For Any Use (more than one often used)								
Electricity	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.3
Natural Gas	66.9	11.1	13.8	16.4	25.5	9.3	20.7	4.7
Wood	14.5	1.1	1.9	3.6	8.0	0.7	2.3	9.9
Fuel Oil	8.7	1.0	1.8	2.5	3.4	0.8	2.4	12.6
LPG	9.4	1.6	2.2	2.6	3.0	1.2	3.0	12.8
Kerosene	2.9	0.6	0.6	0.9	0.8	0.7	1.2	16.7
Solar	1.1	Q	Q	0.3	0.6	Q	Q	28.6
Main Heating Fuel								
Natural Gas	59.3	9.5	12.4	14.3	23.1	7.8	18.1	5.1
Electricity	31.1	6.4	6.8	8.1	9.7	4.9	10.4	7.2
Fuel Oil	8.0	1.0	1.7	2.2	3.2	0.7	2.3	12.7
LPG	5.0	1.0	1.4	1.4	1.2	0.7	1.8	17.2
Wood	2.0	0.4	0.3	0.7	0.7	0.3	0.6	20.7
Kerosene	0.8	0.4	0.3	0.1	Q	0.4	0.6	25.3
Solar	Q	Q	Q	Q	Q	Q	Q	NF
Other/None	0.7	Q	Q	0.2	0.3	Q	0.2	38.9
Natural Gas Available in Neighborhood								
Yes	77.7	13.6	16.6	19.0	28.5	11.1	24.7	4.0
No	29.3	5.1	6.2	8.1	9.8	3.9	9.1	7.8

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

² 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.

³ Does **not** include floorspace for unheated garages.

⁴ 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.

⁵ Based on the household respondent's description rather than the Federal Government definition.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC1-4a. Housing Unit Characteristics by Type of Housing Unit,
Million U.S. Households, 2001**

Housing Unit Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.5	1.3	1.9	
Total	107.0	73.7	9.5	17.0	6.8	4.5
Census Region and Division						
Northeast	20.3	12.0	3.1	4.5	0.7	8.4
New England	5.4	3.5	1.1	0.6	0.2	15.7
Middle Atlantic	14.8	8.5	2.0	3.8	0.5	10.0
Midwest	24.5	18.3	2.2	2.8	1.2	8.7
East North Central	17.1	12.4	1.8	2.0	0.8	9.3
West North Central	7.4	5.8	0.4	0.8	0.4	20.1
South	38.9	28.6	2.6	4.5	3.3	8.9
South Atlantic	20.3	14.8	1.4	2.6	1.5	14.1
East South Central	6.8	5.1	Q	0.4	0.9	12.8
West South Central	11.8	8.7	0.7	1.5	0.9	10.6
West	23.3	14.8	1.6	5.3	1.7	9.3
Mountain	6.7	4.6	0.5	0.9	0.8	16.7
Pacific	16.6	10.2	1.1	4.4	0.9	11.2
Metropolitan Statistical Area						
Urban	85.5	57.2	8.1	16.1	4.1	5.4
Central City	40.0	24.6	4.9	9.2	1.4	8.7
Suburban	45.5	32.6	3.2	6.9	2.8	8.7
Rural	21.5	16.5	1.4	0.9	2.7	10.3
Climate Zone¹						
Fewer than 2,000 CDD and--						
More than 7,000 HDD	9.2	7.3	0.7	0.7	0.5	25.8
5,500 to 7,000 HDD	28.6	19.2	3.5	4.2	1.7	12.4
4,000 to 5,499 HDD	24.0	15.7	2.2	5.0	1.1	14.8
Fewer than 4,000 HDD	21.0	14.8	1.3	3.5	1.4	15.4
2,000 CDD or More and --						
Fewer than 4,000 HDD	24.1	16.7	1.7	3.5	2.1	12.8
Total Floorspace Category² (square feet)						
Fewer than 500	3.9	0.5	0.5	2.5	0.4	17.7
500 to 999	21.8	5.6	3.6	9.5	3.1	7.8
1,000 to 1,499	22.7	13.8	2.5	4.2	2.3	8.3
1,500 to 1,999	16.6	14.2	1.0	0.7	0.7	10.8
2,000 to 2,499	13.5	12.4	0.8	Q	0.2	11.2
2,500 to 2,999	9.3	8.8	0.5	Q	Q	12.8
3,000 to 3,499	6.9	6.6	0.3	Q	Q	17.2
3,500 to 3,999	4.1	3.8	0.2	Q	Q	16.1
4,000 or More	8.2	8.0	Q	Q	Q	12.4
Year of Construction						
1939 or Before	19.0	12.8	3.3	2.7	Q	8.6
1940 to 1949	7.6	5.9	0.8	0.9	Q	13.1
1950 to 1959	14.2	11.5	1.1	1.4	Q	9.8
1960 to 1969	13.8	9.6	0.9	2.7	0.6	10.4
1970 to 1979	18.8	11.3	1.3	4.3	1.8	8.7
1980 to 1989	18.2	11.1	1.6	3.5	2.0	10.3
1990 to 1999	14.5	10.7	0.5	1.5	1.9	16.6
2000 to 2001 ³	0.9	0.7	Q	Q	Q	35.7
Urban/Rural Location⁴						
City	49.9	30.2	5.9	11.9	1.8	6.6
Town	18.0	13.0	1.7	2.3	1.1	10.9
Suburbs	21.2	16.5	1.5	2.5	0.8	11.7
Rural or Open Country	17.9	14.0	0.5	0.3	3.1	14.3

See footnotes at end of table.

Table HC1-4a. Housing Unit Characteristics by Type of Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.5	1.3	1.9	
Total Number of Rooms (Excluding Bathrooms)						
1 or 2	2.6	0.2	0.4	1.8	Q	24.4
3	9.2	0.9	1.7	6.1	0.6	12.3
4	19.0	6.8	3.8	5.8	2.5	8.2
5	22.2	15.7	1.9	2.7	1.9	8.8
6	23.0	20.0	1.3	0.5	1.1	10.0
7	14.0	13.3	0.2	Q	0.5	12.6
8	9.8	9.6	Q	Q	Q	10.4
9 or More	7.2	7.1	Q	Q	Q	14.5
Bedrooms						
None or 1	13.6	2.0	2.6	8.5	0.4	11.0
2	29.5	14.1	5.0	7.0	3.3	7.2
3	44.1	38.1	1.7	1.4	2.9	8.5
4 or More	19.8	19.4	Q	Q	0.2	10.0
Other Rooms (Excluding Bathrooms)						
None or 1	4.2	1.0	0.5	2.2	0.5	15.3
2	39.4	18.1	5.5	11.6	4.3	6.0
3	35.0	27.7	2.9	3.1	1.4	7.6
4	18.4	17.2	0.4	0.2	0.5	13.6
5 or More	10.0	9.7	Q	Q	Q	12.5
Full Bathrooms						
None or 1	58.5	32.9	8.0	13.9	3.6	5.3
2	41.2	33.6	1.4	3.0	3.1	9.0
3 or More	7.3	7.2	Q	Q	Q	16.3
Half Bathrooms						
None	76.6	47.3	8.2	15.0	6.1	4.1
1	27.9	24.1	1.2	2.0	0.7	9.6
2 or More	2.5	2.4	Q	Q	Q	17.1
Number of Stories						
Single-Family Homes	73.7	73.7	--	--	--	3.1
1 Story	44.2	44.2	--	--	--	4.4
2 Stories	26.4	26.4	--	--	--	7.0
3 or More Stories	1.6	1.6	--	--	--	27.0
Split-Level	1.3	1.3	--	--	--	31.7
Other	Q	--	--	--	--	NF
Apartments in Buildings With						
2 to 4 Units	9.5	--	9.5	--	--	8.3
1 Story	4.5	--	4.5	--	--	12.0
2 Stories	3.9	--	3.9	--	--	10.0
3 or More Stories	1.1	--	1.1	--	--	24.6
Split-Level	Q	--	--	--	--	NF
Other	Q	--	--	--	--	NF
Mobile Homes	6.8	--	--	--	6.8	10.3
Number of Floors for Apartments in Buildings With 5 or More Units						
1 or 2 Floors	17.0	--	--	17.0	--	7.7
3 or 4 Floors	8.9	--	--	8.9	--	10.8
5 to 10 Floors	4.7	--	--	4.7	--	16.8
11 to 20 Floors	2.4	--	--	2.4	--	18.5
More than 20 Floors	0.9	--	--	0.9	--	27.6
	Q	--	--	--	--	NF

See footnotes at end of table.

Table HC1-4a. Housing Unit Characteristics by Type of Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.5	1.3	1.9	
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)						
Basement	39.1	35.4	3.8	--	--	7.0
Crawlspace	24.2	23.2	1.0	--	--	10.6
Concrete Slab	29.5	25.4	4.1	--	--	7.4
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	--	--	17.0	6.8	6.3
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	28.3	26.1	2.2	--	--	8.1
All	22.1	20.5	1.7	--	--	9.2
Part	6.2	5.7	0.5	--	--	13.9
No	10.8	9.2	1.5	--	--	11.0
No Basement	44.0	38.3	5.7	--	--	6.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	--	--	17.0	6.8	6.3
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	24.6	23.1	1.5	--	--	11.1
Finished	3.5	3.2	0.3	--	--	20.5
Unfinished	21.1	19.9	1.2	--	--	12.1
No Attic	58.6	50.6	8.0	--	--	4.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	--	--	17.0	6.8	6.3
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	4.5	4.2	0.3	--	--	19.6
Fully Heated	2.7	2.4	0.2	--	--	22.8
Partially Heated	1.8	1.7	Q	--	--	27.7
Attic Not Heated	20.1	18.9	1.2	--	--	11.8
No Attic	58.6	50.6	8.0	--	--	4.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	--	--	17.0	6.8	6.3
Garage/Carport (single-family and mobile homes)						
Yes	58.4	56.4	--	--	1.9	5.0
Attached	37.1	36.9	--	--	Q	6.5
1-Car Garage	10.8	10.7	--	--	Q	14.7
2-Car Garage	24.1	23.9	--	--	Q	8.2
3 or more Car Garage	2.3	2.3	--	--	Q	28.3
Detached	17.0	16.0	--	--	1.0	9.9
1-Car Garage	6.9	6.5	--	--	0.4	14.0
2-Car Garage	8.7	8.2	--	--	0.6	12.5
3 or more Car Garage	1.4	1.3	--	--	Q	28.4
Carport (only)	4.2	3.5	--	--	0.7	17.9
No	22.1	17.3	--	--	4.9	8.6
Not Asked (Apartments)	26.5	--	9.5	17.0	--	5.9

See footnotes at end of table.

Table HC1-4a. Housing Unit Characteristics by Type of Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.5	1.3	1.9	
Fuels Used For Any Use (more than one often used)						
Electricity	107.0	73.7	9.5	17.0	6.8	4.5
Natural Gas	66.9	48.5	6.2	9.9	2.3	6.0
Wood	14.5	13.2	0.4	0.3	0.6	16.2
Fuel Oil	8.7	6.4	0.6	1.4	0.2	16.8
LPG	9.4	7.6	Q	Q	1.6	14.1
Kerosene	2.9	2.2	Q	Q	0.6	15.7
Solar	1.1	1.0	Q	Q	Q	32.3
Main Heating Fuel						
Natural Gas	59.3	44.3	5.6	7.2	2.2	6.5
Electricity	31.1	--	3.1	8.0	--	8.9
Fuel Oil	8.0	5.9	0.6	1.3	0.2	17.2
LPG	5.0	3.9	Q	Q	1.0	18.6
Wood	2.0	1.9	Q	Q	Q	25.1
Kerosene	0.8	0.5	Q	Q	0.3	27.7
Solar	Q	Q	Q	Q	Q	NF
Other/None	0.7	0.3	Q	0.4	Q	27.1
Natural Gas Available in Neighborhood						
Yes	77.7	54.4	7.4	12.6	3.4	5.3
No	29.3	19.3	2.1	4.4	3.4	10.1

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC1-5a. Housing Unit Characteristics by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001

Housing Unit Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.4	1.8	2.1	1.4	
Total	72.7	63.2	2.1	1.8	5.7	6.7
Census Region and Division						
Northeast	13.0	10.8	1.1	0.5	0.6	11.4
New England	3.5	3.1	0.2	Q	0.1	16.9
Middle Atlantic	9.5	7.7	0.9	0.4	0.4	13.4
Midwest	17.5	16.0	0.3	Q	1.0	10.3
East North Central	11.8	10.8	0.2	Q	0.7	10.7
West North Central	5.6	5.2	Q	Q	0.3	20.7
South	28.1	24.5	0.5	Q	2.6	10.4
South Atlantic	14.8	12.7	Q	Q	1.2	12.8
East South Central	5.1	4.4	Q	Q	0.7	13.9
West South Central	8.2	7.4	Q	Q	0.7	11.1
West	14.1	11.9	0.2	0.5	1.5	15.0
Mountain	4.7	3.8	Q	Q	0.6	23.0
Pacific	9.4	8.1	Q	0.3	0.8	16.9
Metropolitan Statistical Area						
Urban	56.3	49.4	2.0	1.6	3.4	8.0
Central City	23.2	20.2	0.9	0.9	1.1	12.8
Suburban	33.1	29.1	1.1	0.7	2.2	13.4
Rural	16.4	13.8	Q	Q	2.3	11.6
Climate Zone¹						
Fewer than 2,000 CDD and--						
More than 7,000 HDD	6.9	6.3	0.2	Q	0.4	30.0
5,500 to 7,000 HDD	19.5	16.9	0.8	0.4	1.5	16.0
4,000 to 5,499 HDD	15.7	13.6	0.7	0.5	1.0	18.8
Fewer than 4,000 HDD	13.3	12.1	Q	Q	1.1	27.7
2,000 CDD or More and --						
Fewer than 4,000 HDD	17.2	14.3	0.3	0.9	1.7	19.9
Total Floorspace Category² (square feet)						
Fewer than 500	0.7	Q	Q	Q	0.3	38.4
500 to 999	6.6	3.4	Q	0.5	2.4	15.3
1,000 to 1,499	14.3	10.8	0.6	0.9	2.0	13.3
1,500 to 1,999	13.3	12.1	0.3	0.2	0.7	14.7
2,000 to 2,499	11.5	10.9	0.4	Q	0.2	14.7
2,500 to 2,999	8.2	8.1	Q	Q	Q	14.0
3,000 to 3,499	6.2	6.1	Q	Q	Q	21.5
3,500 to 3,999	3.8	3.7	Q	Q	Q	18.6
4,000 or More	8.0	7.9	Q	Q	Q	15.3
Year of Construction						
1939 or Before	11.4	10.3	0.9	Q	Q	11.9
1940 to 1949	5.1	4.7	0.3	Q	Q	20.9
1950 to 1959	10.1	9.7	Q	Q	Q	13.1
1960 to 1969	9.2	8.3	Q	0.4	0.5	16.0
1970 to 1979	11.8	9.6	Q	0.5	1.5	13.6
1980 to 1989	12.7	10.0	0.4	0.6	1.6	16.3
1990 to 1999	11.7	9.9	Q	Q	1.7	19.6
2000 to 2001 ³	0.8	0.7	Q	Q	Q	46.2
Urban/Rural Location⁴						
City	28.6	24.7	1.2	1.2	1.5	10.0
Town	12.2	11.0	0.2	Q	0.8	17.7
Suburbs	16.7	15.1	0.6	0.4	0.7	15.9
Rural or Open Country	15.1	12.4	Q	Q	2.6	14.3

See footnotes at end of table.

Table HC1-5a. Housing Unit Characteristics by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.4	1.8	2.1	1.4	
Total Number of Rooms (Excluding Bathrooms)						
1 or 2	0.3	Q	Q	Q	Q	86.3
3	1.3	0.4	Q	0.3	0.4	25.7
4	7.8	4.4	0.5	0.7	2.1	14.5
5	15.1	12.6	0.5	0.5	1.5	13.5
6	19.4	17.6	0.6	Q	1.0	10.8
7	12.7	12.1	Q	Q	0.4	14.3
8	9.4	9.2	Q	Q	Q	13.2
9 or More	6.8	6.8	Q	Q	Q	18.8
Bedrooms						
None or 1	2.3	1.1	0.3	0.5	0.4	22.3
2	14.9	10.2	1.1	1.0	2.6	11.2
3	37.4	33.9	0.7	0.2	2.5	10.5
4 or More	18.1	18.0	Q	Q	Q	10.8
Other Rooms (Excluding Bathrooms)						
None or 1	1.3	0.8	Q	Q	0.4	27.4
2	18.7	13.4	0.8	1.0	3.4	11.5
3	26.6	23.8	0.9	0.6	1.3	11.0
4	16.8	16.0	0.2	Q	0.5	14.9
5 or More	9.3	9.1	Q	Q	Q	16.6
Full Bathrooms						
None or 1	30.3	25.6	1.4	0.8	2.6	9.4
2	35.4	30.7	0.7	1.0	3.0	10.8
3 or More	7.0	6.9	Q	Q	Q	20.7
Half Bathrooms						
None	47.0	38.9	1.5	1.4	5.2	7.1
1	23.7	22.3	0.5	Q	0.5	11.4
2 or More	2.0	1.9	Q	Q	Q	24.4
Number of Stories						
Single-Family Homes	63.2	63.2	--	--	--	4.7
1 Story	37.4	37.4	--	--	--	6.6
2 Stories	23.1	23.1	--	--	--	9.4
3 or More Stories	1.4	1.4	--	--	--	38.1
Split-Level	1.3	1.3	--	--	--	38.4
Other	Q	--	--	--	--	NF
Apartments in Buildings With						
2 to 4 Units	2.1	--	2.1	--	--	17.6
1 Story	0.6	--	0.6	--	--	30.5
2 Stories	1.2	--	1.2	--	--	18.5
3 or More Stories	0.3	--	0.3	--	--	38.5
Split-Level	Q	--	--	--	--	NF
Other	Q	--	--	--	--	NF
Mobile Homes	5.7	--	--	--	5.7	14.3
Number of Floors for Apartments in Buildings With 5 or More Units						
1 or 2 Floors	1.8	--	--	1.8	--	25.8
3 or 4 Floors	1.0	--	--	1.0	--	38.2
5 to 10 Floors	Q	--	--	Q	--	NF
11 to 20 Floors	0.4	--	--	0.4	--	26.8
More than 20 Floors	Q	--	--	Q	--	NF

See footnotes at end of table.

Table HC1-5a. Housing Unit Characteristics by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.4	1.8	2.1	1.4	
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)						
Basement	32.3	31.2	1.1	--	--	9.4
Crawlspace	19.7	19.6	0.2	--	--	13.5
Concrete Slab	22.3	21.6	0.7	--	--	12.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	7.4	--	--	1.8	5.7	12.7
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	24.6	23.7	0.9	--	--	10.3
All	19.4	18.6	0.7	--	--	11.6
Part	5.2	5.1	Q	--	--	18.8
No	7.7	7.5	0.2	--	--	16.4
No Basement	32.9	32.0	1.0	--	--	10.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	7.4	--	--	1.8	5.7	12.7
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	21.7	21.1	0.6	--	--	11.8
Finished	2.9	2.8	Q	--	--	28.0
Unfinished	18.8	18.3	0.5	--	--	12.4
No Attic	43.6	42.1	1.4	--	--	8.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	7.4	--	--	1.8	5.7	12.7
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	3.9	3.8	Q	--	--	23.9
Fully Heated	2.3	2.2	Q	--	--	27.4
Partially Heated	1.6	1.6	Q	--	--	35.7
Attic Not Heated	17.8	17.3	0.5	--	--	12.3
No Attic	43.6	42.1	1.4	--	--	8.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	7.4	--	--	1.8	5.7	12.7
Garage/Carport (single-family and mobile homes)						
Yes	52.7	50.9	--	--	1.8	6.9
Attached	34.5	34.3	--	--	--	8.3
1-Car Garage	9.4	9.3	--	--	--	18.4
2-Car Garage	22.8	22.7	--	--	--	10.5
3 or more Car Garage	2.3	2.3	--	--	--	35.0
Detached	14.6	13.6	--	--	--	13.4
1-Car Garage	5.3	5.0	--	--	--	18.7
2-Car Garage	8.0	7.5	--	--	--	17.5
3 or more Car Garage	1.3	1.2	--	--	--	36.0
Carport (only)	3.6	3.0	--	--	0.6	22.3
No	16.2	12.3	Q	--	3.9	11.8
Not Asked (Apartments)	3.8	--	--	1.8	--	14.4

See footnotes at end of table.

Table HC1-5a. Housing Unit Characteristics by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.4	1.8	2.1	1.4	
Fuels Used For Any Use (more than one often used)						
Electricity	72.7	63.2	2.1	1.8	5.7	6.7
Natural Gas	45.3	41.1	1.3	0.9	2.0	9.1
Wood	13.0	12.1	Q	Q	0.5	15.4
Fuel Oil	6.6	5.8	0.3	0.2	0.2	17.7
LPG	8.0	6.6	Q	Q	1.4	18.0
Kerosene	2.3	1.7	Q	Q	0.5	20.5
Solar	1.0	1.0	Q	Q	Q	40.8
Main Heating Fuel						
Natural Gas	41.3	37.7	1.1	0.6	1.9	10.2
Electricity	18.4	14.6	0.6	0.8	2.4	17.0
Fuel Oil	6.0	5.4	0.3	Q	Q	24.2
LPG	4.2	3.3	Q	Q	0.9	23.3
Wood	1.7	1.6	Q	Q	Q	33.4
Kerosene	0.7	0.4	Q	Q	0.3	37.6
Solar	Q	Q	Q	Q	Q	NF
Other/None	0.3	0.2	Q	Q	Q	37.2
Natural Gas Available in Neighborhood						
Yes	51.6	46.2	1.4	1.1	2.9	8.4
No	21.1	17.0	0.6	0.7	2.7	15.2

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC1-6a. Housing Unit Characteristics by Type of Rented Housing Unit, Million U.S. Households, 2001

Housing Unit Characteristics	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.8	1.1	0.9	2.2	
Total	34.3	10.5	7.4	15.2	1.1	6.9
Census Region and Division						
Northeast	7.3	1.2	2.0	4.0	Q	11.3
New England	1.9	0.4	0.9	0.6	Q	21.2
Middle Atlantic	5.4	0.8	1.1	3.4	Q	13.7
Midwest	7.0	2.3	1.9	2.6	0.2	16.0
East North Central	5.3	1.6	1.6	1.9	Q	19.5
West North Central	1.8	0.7	0.3	0.7	Q	32.7
South	10.8	4.1	2.1	3.9	0.6	12.2
South Atlantic	5.5	2.1	1.1	2.1	Q	18.9
East South Central	1.7	0.7	Q	0.4	Q	20.0
West South Central	3.6	1.4	0.6	1.5	Q	14.9
West	9.2	2.8	1.4	4.7	0.2	12.5
Mountain	2.0	0.8	0.4	0.6	Q	27.3
Pacific	7.2	2.0	1.0	4.1	Q	12.9
Metropolitan Statistical Area						
Urban	29.2	7.8	6.1	14.5	0.7	7.7
Central City	16.9	4.4	4.0	8.3	0.2	11.3
Suburban	12.3	3.5	2.1	6.2	0.5	12.9
Rural	5.1	2.7	1.3	0.7	0.4	16.5
Climate Zone¹						
Fewer than 2,000 CDD and--						
More than 7,000 HDD	2.4	1.0	0.6	0.7	Q	37.5
5,500 to 7,000 HDD	9.1	2.2	2.7	3.9	0.3	15.5
4,000 to 5,499 HDD	8.3	2.1	1.5	4.5	Q	17.0
Fewer than 4,000 HDD	7.6	2.7	1.2	3.5	Q	15.6
2,000 CDD or More and --						
Fewer than 4,000 HDD	6.8	2.4	1.4	2.6	0.4	16.2
Total Floorspace Category² (square feet)						
Fewer than 500	3.2	0.3	0.4	2.4	Q	21.8
500 to 999	15.2	2.1	3.4	9.0	0.7	10.0
1,000 to 1,499	8.4	3.0	1.9	3.3	0.2	12.3
1,500 to 1,999	3.3	2.1	0.7	0.5	Q	19.1
2,000 to 2,499	2.0	1.4	0.4	Q	Q	18.6
2,500 to 2,999	1.1	0.7	0.4	Q	Q	28.8
3,000 to 3,499	0.6	0.5	Q	Q	Q	31.0
3,500 to 3,999	0.2	Q	Q	Q	Q	48.9
4,000 or More	0.2	Q	Q	Q	Q	56.8
Year of Construction						
1939 or Before	7.6	2.6	2.4	2.6	Q	11.9
1940 to 1949	2.6	1.2	0.5	0.8	Q	18.5
1950 to 1959	4.1	1.8	1.0	1.2	Q	16.9
1960 to 1969	4.5	1.3	0.8	2.3	Q	14.5
1970 to 1979	7.0	1.7	1.1	3.8	0.3	12.5
1980 to 1989	5.5	1.0	1.2	2.9	0.4	16.3
1990 to 1999	2.8	0.8	0.4	1.5	Q	27.1
2000 to 2001 ³	Q	Q	Q	Q	Q	NF
Urban/Rural Location⁴						
City	21.3	5.5	4.7	10.8	0.3	9.3
Town	5.8	2.0	1.5	2.1	0.3	14.7
Suburbs	4.5	1.4	0.9	2.1	Q	22.2
Rural or Open Country	2.7	1.6	0.4	0.3	0.5	22.4

See footnotes at end of table.

Table HC1-6a. Housing Unit Characteristics by Type of Rented Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.8	1.1	0.9	2.2	
Total Number of Rooms (Excluding Bathrooms)						
1 or 2	2.3	Q	0.4	1.8	Q	21.9
3	7.9	0.4	1.6	5.7	Q	15.0
4	11.2	2.4	3.3	5.1	0.4	11.3
5	7.1	3.1	1.3	2.2	0.4	12.7
6	3.6	2.4	0.7	0.4	Q	20.2
7	1.3	1.2	Q	Q	Q	22.2
8	0.5	0.4	Q	Q	Q	31.1
9 or More	0.4	0.4	Q	Q	Q	37.3
Bedrooms						
None or 1	11.3	0.9	2.3	8.0	Q	11.8
2	14.6	3.9	4.0	6.0	0.7	10.3
3	6.7	4.2	1.0	1.1	0.4	16.0
4 or More	1.7	1.4	Q	Q	Q	19.2
Other Rooms (Excluding Bathrooms)						
None or 1	2.9	0.2	0.5	2.1	Q	23.3
2	20.7	4.7	4.7	10.5	0.8	8.2
3	8.4	3.9	1.9	2.5	Q	11.6
4	1.5	1.2	0.2	Q	Q	21.8
5 or More	0.7	0.6	Q	Q	Q	26.7
Full Bathrooms						
None or 1	28.2	7.4	6.6	13.2	1.0	7.5
2	5.8	2.9	0.8	2.1	Q	18.6
3 or More	0.2	0.2	Q	Q	Q	55.1
Half Bathrooms						
None	29.5	8.3	6.7	13.6	0.9	7.3
1	4.3	1.7	0.7	1.7	Q	19.2
2 or More	0.5	0.4	Q	Q	Q	44.7
Number of Stories						
Single-Family Homes	10.5	10.5	--	--	--	7.6
1 Story	6.9	6.9	--	--	--	9.0
2 Stories	3.4	3.4	--	--	--	14.3
3 or More Stories	Q	Q	--	--	--	NF
Split-Level	Q	Q	--	--	--	NF
Other	Q	--	--	--	--	NF
Apartments in Buildings With						
2 to 4 Units	7.4	--	7.4	--	--	9.8
1 Story	4.0	--	4.0	--	--	14.4
2 Stories	2.7	--	2.7	--	--	11.7
3 or More Stories	0.8	--	0.8	--	--	30.1
Split-Level	Q	--	--	--	--	NF
Other	Q	--	--	--	--	NF
Mobile Homes	1.1	--	--	--	1.1	16.2
Number of Floors for Apartments in Buildings With 5 or More Units						
1 or 2 Floors	15.2	--	--	15.2	--	8.3
3 or 4 Floors	7.9	--	--	7.9	--	11.9
5 to 10 Floors	4.5	--	--	4.5	--	18.9
11 to 20 Floors	2.0	--	--	2.0	--	23.1
More than 20 Floors	0.8	--	--	0.8	--	31.9
	Q	--	--	Q	--	NF

See footnotes at end of table.

Table HC1-6a. Housing Unit Characteristics by Type of Rented Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.8	1.1	0.9	2.2	
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)						
Basement	6.8	4.2	2.7	--	--	12.0
Crawlspace	4.5	3.6	0.8	--	--	14.1
Concrete Slab	7.2	3.8	3.4	--	--	12.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	16.4	--	--	15.2	1.1	8.2
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	3.8	2.4	1.3	--	--	15.6
All	2.8	1.8	0.9	--	--	17.1
Part	1.0	0.6	0.4	--	--	27.8
No	3.0	1.7	1.3	--	--	14.9
No Basement	11.1	6.3	4.8	--	--	9.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	16.4	--	--	15.2	1.1	8.2
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	2.9	2.0	0.9	--	--	20.7
Finished	0.6	0.4	0.2	--	--	39.5
Unfinished	2.3	1.6	0.7	--	--	23.6
No Attic	15.0	8.5	6.6	--	--	8.2
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	16.4	--	--	15.2	1.1	8.2
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	0.6	0.4	0.2	--	--	41.0
Fully Heated	0.3	Q	Q	--	--	63.3
Partially Heated	0.3	Q	Q	--	--	56.0
Attic Not Heated	2.3	1.6	0.7	--	--	22.9
No Attic	15.0	8.5	6.6	--	--	8.2
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	16.4	--	--	15.2	1.1	8.2
Garage/Carport (single-family and mobile homes)						
Yes	5.7	5.5	--	--	Q	10.0
Attached	2.7	2.7	--	--	--	15.6
1-Car Garage	1.4	1.4	--	--	--	23.8
2-Car Garage	1.2	1.2	--	--	--	18.7
3 or more Car Garage	Q	Q	--	--	--	NF
Detached	2.4	2.4	--	--	--	15.9
1-Car Garage	1.6	1.5	--	--	--	18.2
2-Car Garage	0.7	0.7	--	--	--	26.8
3 or more Car Garage	Q	Q	--	--	--	NF
Carport (only)	0.6	0.5	--	--	Q	34.6
No	5.9	5.0	Q	--	1.0	10.9
Not Asked (Apartments)	22.6	--	--	15.2	--	7.1

See footnotes at end of table.

Table HC1-6a. Housing Unit Characteristics by Type of Rented Housing Unit, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.8	1.1	0.9	2.2	
Fuels Used For Any Use (more than one often used)						
Electricity	34.3	10.5	7.4	15.2	1.1	6.9
Natural Gas	21.7	7.3	5.0	9.0	0.3	9.2
Wood	1.5	1.1	Q	0.2	Q	28.5
Fuel Oil	2.1	0.6	0.3	1.2	Q	19.0
LPG	1.4	1.0	Q	Q	0.2	19.6
Kerosene	0.6	0.5	Q	Q	Q	34.2
Solar	Q	Q	Q	Q	Q	NF
Main Heating Fuel						
Natural Gas	18.0	6.6	4.5	6.6	0.3	9.9
Electricity	12.7	2.4	2.5	7.2	0.6	11.7
Fuel Oil	2.0	0.6	0.3	1.1	Q	18.8
LPG	0.7	0.5	Q	Q	Q	31.1
Wood	0.3	0.3	Q	Q	Q	38.9
Kerosene	Q	Q	Q	Q	Q	NF
Solar	Q	Q	Q	Q	Q	NF
Other/None	0.3	Q	Q	0.3	Q	55.6
Natural Gas Available in Neighborhood						
Yes	26.1	8.2	5.9	11.5	0.5	8.2
No	8.2	2.3	1.5	3.7	0.7	14.3

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC1-7a. Housing Unit Characteristics by Four Most Populated States,
Million U.S. Households, 2001**

Housing Unit Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.0	1.0	1.3	
Total	107.0	7.1	12.3	7.7	6.3	NE
Census Region and Division						
Northeast	20.3	7.1	--	--	--	NF
New England	5.4	Q	--	--	--	NF
Middle Atlantic	14.8	7.1	--	--	--	NF
Midwest	24.5	--	--	--	--	NF
East North Central	17.1	--	--	--	--	NF
West North Central	7.4	--	--	--	--	NF
South	38.9	--	--	7.7	6.3	NF
South Atlantic	20.3	--	--	Q	6.3	NF
East South Central	6.8	--	--	Q	Q	NF
West South Central	11.8	--	--	7.7	Q	NF
West	23.3	--	12.3	--	--	NF
Mountain	6.7	--	Q	--	--	NF
Pacific	16.6	--	12.3	--	--	NF
Metropolitan Statistical Area						
Urban	85.5	6.5	11.8	6.5	5.7	1.1
Central City	40.0	3.7	6.1	3.7	2.5	10.1
Suburban	45.5	2.8	5.8	2.8	3.3	10.6
Rural	21.5	0.6	0.5	1.2	0.6	8.0
Climate Zone¹						
Fewer than 2,000 CDD and-- More than 7,000 HDD	9.2	0.5	Q	Q	Q	22.9
5,500 to 7,000 HDD	28.6	2.5	Q	Q	Q	11.4
4,000 to 5,499 HDD	24.0	4.1	0.6	Q	Q	10.8
Fewer than 4,000 HDD	21.0	Q	10.7	Q	Q	6.6
2,000 CDD or More and -- Fewer than 4,000 HDD	24.1	Q	1.1	7.1	6.3	12.3
Total Floorspace Category² (square feet)						
Fewer than 500	3.9	0.7	0.7	0.4	Q	19.2
500 to 999	21.8	1.4	3.6	1.5	1.2	10.6
1,000 to 1,499	22.7	1.4	3.0	2.1	1.5	8.7
1,500 to 1,999	16.6	0.9	1.7	1.3	1.3	8.2
2,000 to 2,499	13.5	0.9	1.3	0.6	0.8	16.8
2,500 to 2,999	9.3	0.6	0.7	0.4	0.3	17.3
3,000 to 3,499	6.9	0.3	0.5	0.3	Q	20.0
3,500 to 3,999	4.1	0.2	0.4	0.5	0.1	21.4
4,000 or More	8.2	0.6	0.5	0.6	0.4	17.3
Type and Ownership of Housing Unit						
Single-Family Detached	63.1	2.2	6.9	5.3	4.2	5.6
Owned	55.7	2.0	5.6	4.5	3.8	6.5
Rented	7.4	0.1	1.3	0.8	0.5	14.9
Single-Family Attached	10.6	0.9	1.0	0.3	0.4	22.7
Owned	7.5	0.7	0.6	Q	Q	28.4
Rented	3.1	0.2	0.4	0.2	Q	23.7
Apartments in Buildings With 2 to 4 Units	9.5	1.3	0.9	0.4	0.4	21.6
Owned	2.1	0.6	Q	Q	Q	33.5
Rented	7.4	0.7	0.8	0.4	0.2	22.9
Apartments in Buildings With 5 or More Units	17.0	2.6	3.2	1.3	Q	8.6
Owned	1.8	0.4	Q	Q	Q	32.4
Rented	15.2	2.2	3.0	1.2	0.5	11.3
Mobile Homes	6.8	Q	Q	Q	0.3	21.1
Owned	5.7	Q	Q	0.3	0.1	27.1
Rented	1.1	Q	Q	Q	0.2	33.4

See footnotes at end of table.

Table HC1-7a. Housing Unit Characteristics by Four Most Populated States, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Four Most Populated States					RSE Row Factors
	Total U.S.	New York	California	Texas	Florida	
Ownership of Unit						
Owned	72.7	3.9	6.7	4.9	4.9	3.9
Rented	34.3	3.2	5.7	2.7	1.4	7.0
Year of Construction						
1939 or Before	19.0	2.5	1.5	0.9	Q	12.2
1940 to 1949	7.6	1.1	0.9	0.5	0.1	20.9
1950 to 1959	14.2	1.0	2.1	0.9	0.9	11.4
1960 to 1969	13.8	1.1	2.2	0.9	0.7	12.3
1970 to 1979	18.8	0.6	2.3	1.6	1.5	11.1
1980 to 1989	18.2	0.3	1.9	1.6	2.0	12.2
1990 to 1999	14.5	0.5	1.5	1.2	1.2	16.9
2000 to 2001 ³	0.9	Q	Q	Q	Q	40.8
Urban/Rural Location⁴						
City	49.9	3.4	8.5	4.4	2.9	5.1
Town	18.0	1.1	1.6	1.0	0.8	13.4
Suburbs	21.2	1.9	1.4	1.4	2.1	9.6
Rural or Open Country	17.9	0.7	0.9	0.9	0.5	14.2
Total Number of Rooms (Excluding Bathrooms)						
1 or 2	2.6	0.2	0.5	Q	Q	26.2
3	9.2	1.0	1.6	0.8	0.3	14.2
4	19.0	1.6	3.0	1.0	0.8	9.3
5	22.2	1.4	2.2	1.9	1.8	10.4
6	23.0	1.0	2.4	1.7	1.4	9.8
7	14.0	0.9	1.2	1.0	0.9	11.9
8	9.8	0.5	0.8	0.6	0.7	14.8
9 or More	7.2	0.5	0.6	0.5	0.4	21.2
Bedrooms						
None or 1	13.6	1.4	2.2	1.3	0.4	13.4
2	29.5	2.4	4.0	1.5	2.0	9.1
3	44.1	2.2	4.2	3.4	2.7	7.7
4 or More	19.8	1.2	2.0	1.6	1.3	12.1
Other Rooms (Excluding Bathrooms)						
None or 1	4.2	0.3	0.8	Q	0.2	20.6
2	39.4	3.0	5.8	3.0	1.8	7.2
3	35.0	2.1	3.4	2.6	2.7	8.2
4	18.4	1.0	1.7	1.2	1.2	11.9
5 or More	10.0	0.7	0.7	0.7	0.4	16.3
Full Bathrooms						
None or 1	58.5	5.3	6.0	3.7	2.0	7.1
2	41.2	1.5	5.2	3.2	3.8	9.4
3 or More	7.3	0.3	1.1	0.8	0.6	24.8
Half Bathrooms						
None	76.6	5.1	9.5	5.9	5.0	2.7
1	27.9	1.8	2.8	1.7	1.4	8.0
2 or More	2.5	0.1	0.1	0.1	Q	30.1
Number of Stories						
Single-Family Homes	73.7	3.1	8.0	5.6	4.6	4.8
1 Story	44.2	0.9	5.7	4.3	4.3	6.3
2 Stories	26.4	1.8	2.2	1.2	0.3	12.8
3 or More Stories	1.6	0.4	Q	Q	Q	31.1
Split-Level	1.3	Q	Q	Q	Q	38.1
Other	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table HC1-7a. Housing Unit Characteristics by Four Most Populated States, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.0	1.0	1.3	
RSE Column Factor:						
Apartments in Buildings With						
2 to 4 Units	9.5	1.3	0.9	0.4	0.4	21.6
1 Story	4.5	0.3	0.5	0.3	Q	27.8
2 Stories	3.9	0.7	0.4	Q	Q	21.5
3 or More Stories	1.1	0.3	Q	Q	Q	41.7
Split-Level	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	Q	Q	Q	0.3	21.1
Number of Floors for Apartments in Buildings With 5 or More Units						
17.0	17.0	2.6	3.2	1.3	Q	8.6
1 or 2 Floors	8.9	Q	2.5	1.0	Q	11.7
3 or 4 Floors	4.7	0.5	0.6	Q	Q	20.4
5 to 10 Floors	2.4	1.2	Q	Q	Q	21.9
11 to 20 Floors	0.9	0.4	Q	Q	Q	15.6
More than 20 Floors	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)						
Basement	39.1	3.6	1.3	0.9	0.6	9.9
Crawlspace	24.2	0.5	4.6	1.5	Q	13.0
Concrete Slab	29.5	0.9	4.8	4.0	4.1	7.7
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	2.7	3.4	1.7	1.3	10.5
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	28.3	2.5	0.4	Q	Q	10.0
All	22.1	1.8	0.2	Q	0.1	12.7
Part	6.2	0.7	0.1	Q	Q	27.8
No	10.8	1.1	0.9	0.7	0.5	14.7
No Basement	44.0	0.8	7.6	5.1	4.4	6.0
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	2.7	3.4	1.7	1.3	10.5
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	24.6	1.4	1.5	2.4	1.2	12.9
Finished	3.5	0.4	0.3	0.3	Q	32.1
Unfinished	21.1	1.0	1.2	2.1	1.1	13.7
No Attic	58.6	3.0	7.4	3.5	3.8	5.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	2.7	3.4	1.7	1.3	10.5
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	4.5	0.3	0.3	0.6	0.2	25.6
Fully Heated	2.7	0.2	Q	0.3	0.1	21.9
Partially Heated	1.8	Q	0.2	0.3	Q	32.4
Attic Not Heated	20.1	1.1	1.2	1.8	1.0	12.5
No Attic	58.6	3.0	7.4	3.5	3.8	5.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	2.7	3.4	1.7	1.3	10.5

See footnotes at end of table.

Table HC1-7a. Housing Unit Characteristics by Four Most Populated States, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.0	1.0	1.3	
Garage/Carport (single-family and mobile homes)						
Yes	58.4	2.4	7.2	4.7	3.7	5.2
Attached	37.1	1.6	5.4	2.7	3.0	8.2
1-Car Garage	10.8	0.9	1.2	0.8	0.6	14.7
2-Car Garage	24.1	0.7	3.6	1.8	2.4	9.3
3 or more Car Garage	2.3	Q	0.6	Q	Q	31.6
Detached	17.0	0.8	1.6	1.4	Q	12.6
1-Car Garage	6.9	0.3	0.5	0.3	Q	18.9
2-Car Garage	8.7	0.5	0.9	1.0	0.1	14.8
3 or more Car Garage	1.4	Q	Q	0.1	Q	30.9
Carport (only)	4.2	Q	0.3	0.6	0.4	24.5
No	22.1	0.8	1.0	1.3	1.2	16.4
Not Asked (Apartments)	26.5	3.9	4.1	1.6	1.4	10.9
Fuels Used For Any Use (more than one often used)						
Electricity	107.0	7.1	12.3	7.7	6.3	NE
Natural Gas	66.9	5.4	10.5	4.9	1.3	4.1
Wood	14.5	0.7	2.3	1.1	0.5	17.3
Fuel Oil	8.7	2.2	Q	Q	Q	19.7
LPG	9.4	0.5	0.7	0.3	0.4	24.0
Kerosene	2.9	0.2	0.3	Q	Q	24.6
Solar	1.1	Q	0.4	Q	Q	31.8
Main Heating Fuel						
Natural Gas	59.3	4.2	9.0	4.0	1.0	7.4
Electricity	31.1	0.5	2.4	3.4	5.2	9.8
Fuel Oil	8.0	2.1	Q	Q	Q	19.7
LPG	5.0	Q	0.3	0.2	Q	30.4
Wood	2.0	0.2	0.3	Q	Q	25.4
Kerosene	0.8	(*)	0.1	Q	Q	10.7
Solar	Q	Q	Q	Q	Q	NF
Other/None	0.7	Q	0.1	Q	Q	40.8
Natural Gas Available in Neighborhood						
Yes	77.7	6.0	11.0	5.8	2.0	3.8
No	29.3	1.1	1.3	1.8	4.3	10.7

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

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

-- = Data not applicable.

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.

• 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 HC1-8a. Housing Unit Characteristics by Urban/Rural Location, Million U.S. Households, 2001

Housing Unit Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.3	1.3	1.4	
Total	107.0	49.9	18.0	21.2	17.9	4.2
Census Region and Division						
Northeast	20.3	7.7	4.5	4.7	3.4	7.4
New England	5.4	2.1	1.6	0.7	1.1	13.4
Middle Atlantic	14.8	5.6	2.9	4.0	2.3	8.5
Midwest	24.5	11.1	4.9	4.8	3.7	10.1
East North Central	17.1	8.3	3.0	3.4	2.5	12.7
West North Central	7.4	2.8	2.0	1.5	1.2	16.5
South	38.9	16.7	5.1	8.9	8.2	7.7
South Atlantic	20.3	8.2	2.5	5.8	3.9	12.3
East South Central	6.8	2.0	1.1	1.1	2.5	12.8
West South Central	11.8	6.5	1.5	2.0	1.8	11.7
West	23.3	14.4	3.5	2.7	2.6	7.0
Mountain	6.7	4.2	1.2	0.6	0.7	16.0
Pacific	16.6	10.3	2.4	2.1	1.9	7.2
Metropolitan Statistical Area						
Urban	85.5	44.6	11.0	20.3	9.7	4.5
Central City	40.0	30.3	2.7	5.2	1.8	9.4
Suburban	45.5	14.3	8.3	15.1	7.8	6.8
Rural	21.5	5.3	7.1	1.0	8.2	10.5
Climate Zone²						
Fewer than 2,000 CDD and--						
More than 7,000 HDD	9.2	4.3	2.0	0.7	2.3	21.0
5,500 to 7,000 HDD	28.6	11.8	6.1	6.2	4.6	11.6
4,000 to 5,499 HDD	24.0	9.3	3.8	6.7	4.3	12.8
Fewer than 4,000 HDD	21.0	11.3	3.7	2.9	3.1	15.4
2,000 CDD or More and --						
Fewer than 4,000 HDD	24.1	13.1	2.5	4.8	3.7	11.0
Total Floorspace Category³ (square feet)						
Fewer than 500	3.9	3.0	0.4	Q	0.3	17.3
500 to 999	21.8	13.0	3.8	2.7	2.3	8.1
1,000 to 1,499	22.7	10.8	3.6	4.3	4.0	7.2
1,500 to 1,999	16.6	8.1	2.6	2.9	3.0	8.0
2,000 to 2,499	13.5	5.3	2.5	3.1	2.6	9.1
2,500 to 2,999	9.3	3.5	1.8	2.4	1.6	9.9
3,000 to 3,499	6.9	2.5	1.1	1.8	1.5	13.2
3,500 to 3,999	4.1	1.2	0.7	1.2	0.9	13.5
4,000 or More	8.2	2.4	1.3	2.7	1.7	11.2
Type and Ownership of Housing Unit						
Single-Family Detached	63.1	24.5	11.5	13.7	13.3	4.9
Owned	55.7	20.9	10.0	12.9	11.8	5.2
Rented	7.4	3.7	1.5	0.8	1.5	12.0
Single-Family Attached	10.6	5.7	1.5	2.7	0.7	13.8
Owned	7.5	3.8	1.0	2.2	0.5	18.0
Rented	3.1	1.9	0.5	0.6	Q	15.8
Apartments in Buildings With						
2 to 4 Units	9.5	5.9	1.7	1.5	0.5	13.7
Owned	2.1	1.2	0.2	0.6	0.1	25.9
Rented	7.4	4.7	1.5	0.9	0.4	15.7
5 or More Units	17.0	11.9	2.3	2.5	0.3	13.1
Owned	1.8	1.2	Q	0.4	Q	33.9
Rented	15.2	10.8	2.1	2.1	0.3	13.7
Mobile Homes	6.8	1.8	1.1	0.8	3.1	15.8
Owned	5.7	1.5	0.8	0.7	2.6	17.6
Rented	1.1	0.3	0.3	0.1	0.5	30.2

See footnotes at end of table.

Table HC1-8a. Housing Unit Characteristics by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.8	1.3	1.3	1.4	
Ownership of Unit						
Owned	72.7	28.6	12.2	16.7	15.1	4.5
Rented	34.3	21.3	5.8	4.5	2.7	7.0
Year of Construction						
1939 or Before	19.0	10.6	4.4	1.4	2.6	9.2
1940 to 1949	7.6	4.5	1.1	1.1	1.0	12.1
1950 to 1959	14.2	7.1	2.4	3.0	1.6	8.9
1960 to 1969	13.8	6.9	2.4	2.6	1.9	9.0
1970 to 1979	18.8	8.8	2.9	3.5	3.5	8.1
1980 to 1989	18.2	6.7	2.9	5.1	3.5	8.2
1990 to 1999	14.5	5.1	1.8	4.3	3.4	13.0
2000 to 2001 ⁴	0.9	0.3	0.1	0.2	0.3	30.9
Urban/Rural Location¹						
City	49.9	49.9	--	--	--	4.5
Town	18.0	--	18.0	--	--	7.4
Suburbs	21.2	--	--	21.2	--	5.7
Rural or Open Country	17.9	--	--	--	17.9	7.5
Total Number of Rooms (Excluding Bathrooms)						
1 or 2	2.6	2.0	0.3	0.1	Q	24.7
3	9.2	6.3	1.4	1.0	0.5	13.2
4	19.0	10.1	3.6	2.8	2.5	8.4
5	22.2	10.6	3.9	3.6	4.1	7.4
6	23.0	10.2	3.4	4.8	4.6	6.9
7	14.0	5.4	2.7	2.8	3.1	8.3
8	9.8	3.2	1.7	3.3	1.7	9.8
9 or More	7.2	2.2	1.0	2.8	1.2	12.4
Bedrooms						
None or 1	13.6	9.4	1.9	1.5	0.8	11.5
2	29.5	15.2	5.4	4.8	4.0	6.9
3	44.1	18.6	7.1	9.1	9.3	5.7
4 or More	19.8	6.7	3.6	5.9	3.7	7.6
Other Rooms (Excluding Bathrooms)						
None or 1	4.2	2.8	0.6	0.3	0.5	16.9
2	39.4	20.9	7.2	5.4	5.8	6.1
3	35.0	15.9	5.8	7.1	6.3	5.8
4	18.4	7.1	3.0	4.7	3.6	7.7
5 or More	10.0	3.2	1.4	3.8	1.6	10.5
Full Bathrooms						
None or 1	58.5	31.4	10.8	7.8	8.5	5.4
2	41.2	15.7	6.3	11.1	8.1	5.8
3 or More	7.3	2.7	0.9	2.3	1.3	13.6
Half Bathrooms						
None	76.6	38.5	12.6	12.4	13.1	3.9
1	27.9	10.4	5.1	8.0	4.4	6.3
2 or More	2.5	1.0	0.2	0.9	0.4	17.0
Number of Stories						
Single-Family Homes	73.7	30.2	13.0	16.5	14.0	4.4
1 Story	44.2	19.1	7.7	7.8	9.5	5.6
2 Stories	26.4	9.8	4.7	7.6	4.3	7.4
3 or More Stories	1.6	0.7	0.4	0.5	0.1	24.7
Split-Level	1.3	0.5	0.2	0.5	Q	27.3
Other	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table HC1-8a. Housing Unit Characteristics by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.3	1.3	1.4	
Apartments in Buildings With						
2 to 4 Units	9.5	5.9	1.7	1.5	0.5	13.7
1 Story	4.5	2.6	0.9	0.7	0.3	19.2
2 Stories	3.9	2.5	0.7	0.6	0.1	18.4
3 or More Stories	1.1	0.9	Q	Q	Q	35.5
Split-Level	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	1.8	1.1	0.8	3.1	15.8
Number of Floors for Apartments in Buildings With 5 or More Units						
1 or 2 Floors	8.9	5.8	1.6	1.3	0.3	17.4
3 or 4 Floors	4.7	3.2	0.4	1.0	Q	21.5
5 to 10 Floors	2.4	2.0	Q	Q	Q	22.7
11 to 20 Floors	0.9	0.9	Q	Q	Q	34.4
More than 20 Floors	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)						
Basement	39.1	15.1	7.6	9.0	7.5	6.9
Crawlspace	24.2	10.4	5.2	3.3	5.3	9.0
Concrete Slab	29.5	14.0	4.5	7.1	3.9	6.8
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	13.7	3.4	3.3	3.4	9.4
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	28.3	10.3	5.3	7.2	5.6	7.9
All	22.1	7.9	4.0	5.9	4.3	8.6
Part	6.2	2.4	1.3	1.2	1.3	12.2
No	10.8	4.8	2.3	1.8	1.8	10.6
No Basement	44.0	21.0	7.1	8.9	7.0	6.0
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	13.7	3.4	3.3	3.4	9.4
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	24.6	9.6	3.9	6.9	4.2	8.5
Finished	3.5	1.8	0.4	0.8	0.5	18.8
Unfinished	21.1	7.8	3.5	6.1	3.7	9.0
No Attic	58.6	26.5	10.8	11.1	10.3	5.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	13.7	3.4	3.3	3.4	9.4
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	4.5	2.3	0.3	1.2	0.7	15.8
Fully Heated	2.7	1.4	0.2	0.6	0.4	20.5
Partially Heated	1.8	0.9	0.2	0.6	0.3	21.6
Attic Not Heated	20.1	7.4	3.6	5.7	3.5	9.2
No Attic	58.6	26.5	10.8	11.1	10.3	5.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	13.7	3.4	3.3	3.4	9.4

See footnotes at end of table.

Table HC1-8a. Housing Unit Characteristics by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.3	1.3	1.4	
Garage/Carport (single-family and mobile homes)						
Yes	58.4	22.8	10.4	14.4	10.8	5.0
Attached	37.1	13.4	6.2	11.3	6.3	6.5
1-Car Garage	10.8	4.1	2.3	2.8	1.6	12.6
2-Car Garage	24.1	8.4	3.7	7.6	4.3	7.6
3 or more Car Garage	2.3	0.8	Q	0.9	0.4	22.3
Detached	17.0	7.4	3.4	2.5	3.8	9.5
1-Car Garage	6.9	3.4	1.5	0.8	1.2	12.8
2-Car Garage	8.7	3.7	1.7	1.4	1.9	12.4
3 or more Car Garage	1.4	0.3	0.2	0.2	0.7	27.0
Carport (only)	4.2	2.1	0.7	0.7	0.8	18.4
No	22.1	9.2	3.7	2.9	6.3	9.7
Not Asked (Apartments)	26.5	17.8	3.9	3.9	0.8	9.6
Fuels Used For Any Use (more than one often used)						
Electricity	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
Wood	14.5	3.9	2.4	3.2	5.1	9.4
Fuel Oil	8.7	2.6	2.1	1.4	2.6	13.3
LPG	9.4	0.9	1.6	0.8	6.1	14.9
Kerosene	2.9	0.5	0.6	0.4	1.4	20.1
Solar	1.1	0.3	0.2	0.3	0.3	29.0
Main Heating Fuel						
Natural Gas	59.3	32.5	10.0	13.1	3.6	6.0
Electricity	31.1	13.8	4.6	6.3	6.5	7.2
Fuel Oil	8.0	2.4	2.0	1.3	2.3	13.5
LPG	5.0	0.3	0.9	0.2	3.5	20.8
Wood	2.0	0.2	0.3	0.2	1.3	22.3
Kerosene	0.8	Q	Q	Q	0.5	21.6
Solar	Q	Q	Q	Q	Q	NF
Other/None	0.7	0.5	0.1	Q	0.1	30.8
Natural Gas Available in Neighborhood						
Yes	77.7	42.2	13.4	16.3	5.8	4.9
No	29.3	7.7	4.6	5.0	12.0	8.7

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

² 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.

³ Does **not** include floorspace for unheated garages.

⁴ 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.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC1-9a. Housing Unit Characteristics by Northeast Census Region,
Million U.S. Households, 2001**

Housing Unit 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	1.6	
Total	107.0	20.3	14.8	5.4	NE
Census Region and Division					
Northeast	20.3	20.3	14.8	5.4	NF
New England	5.4	5.4	Q	5.4	NF
Middle Atlantic	14.8	14.8	14.8	Q	NF
Midwest	24.5	--	--	--	NF
East North Central	17.1	--	--	--	NF
West North Central	7.4	--	--	--	NF
South	38.9	--	--	--	NF
South Atlantic	20.3	--	--	--	NF
East South Central	6.8	--	--	--	NF
West South Central	11.8	--	--	--	NF
West	23.3	--	--	--	NF
Mountain	6.7	--	--	--	NF
Pacific	16.6	--	--	--	NF
Metropolitan Statistical Area					
Urban	85.5	18.7	14.3	4.4	1.5
Central City	40.0	6.5	4.9	1.6	9.2
Suburban	45.5	12.2	9.4	2.8	4.9
Rural	21.5	1.6	0.6	1.0	10.7
Climate Zone¹					
Fewer than 2,000 CDD and--					
More than 7,000 HDD	9.2	1.9	0.5	1.4	23.4
5,500 to 7,000 HDD	28.6	10.0	6.0	4.0	7.7
4,000 to 5,499 HDD	24.0	8.4	8.4	Q	5.1
Fewer than 4,000 HDD	21.0	--	--	--	17.5
2,000 CDD or More and --					
Fewer than 4,000 HDD	24.1	--	--	--	12.7
Total Floorspace Category² (square feet)					
Fewer than 500	3.9	1.0	0.9	Q	15.9
500 to 999	21.8	3.5	2.6	0.9	9.1
1,000 to 1,499	22.7	3.3	2.6	0.7	7.9
1,500 to 1,999	16.6	3.1	2.3	0.8	6.6
2,000 to 2,499	13.5	2.7	2.0	0.7	9.8
2,500 to 2,999	9.3	2.1	1.6	0.5	9.7
3,000 to 3,499	6.9	1.6	1.0	0.6	15.3
3,500 to 3,999	4.1	1.0	0.6	0.3	14.9
4,000 or More	8.2	2.1	1.3	0.8	13.6
Type and Ownership of Housing Unit					
Single-Family Detached	63.1	9.2	6.1	3.1	6.0
Owned	55.7	8.6	5.8	2.8	6.6
Rented	7.4	0.6	0.3	0.3	17.0
Single-Family Attached	10.6	2.8	2.4	0.4	13.1
Owned	7.5	2.2	2.0	0.2	19.0
Rented	3.1	0.6	0.4	0.2	17.3
Apartments in Buildings With					
2 to 4 Units	9.5	3.1	2.0	1.1	12.3
Owned	2.1	1.1	0.9	0.2	19.1
Rented	7.4	2.0	1.1	0.9	13.3
5 or More Units	17.0	4.5	3.8	0.6	10.0
Owned	1.8	0.5	0.4	Q	25.1
Rented	15.2	4.0	3.4	0.6	10.1
Mobile Homes	6.8	0.7	0.5	0.2	22.7
Owned	5.7	0.6	0.4	0.1	25.7
Rented	1.1	Q	Q	Q	35.4

See footnotes at end of table.

Table HC1-9a. Housing Unit Characteristics by Northeast Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.6	
Ownership of Unit					
Owned	72.7	13.0	9.5	3.5	3.6
Rented	34.3	7.3	5.4	1.9	6.8
Year of Construction					
1939 or Before	19.0	6.5	4.6	1.9	7.8
1940 to 1949	7.6	2.0	1.6	0.4	15.6
1950 to 1959	14.2	3.0	2.2	0.9	8.6
1960 to 1969	13.8	2.8	2.0	0.8	6.5
1970 to 1979	18.8	2.1	1.7	0.4	11.9
1980 to 1989	18.2	2.4	1.7	0.7	10.5
1990 to 1999	14.5	1.4	1.1	0.3	15.5
2000 to 2001 ³	0.9	Q	Q	Q	33.8
Urban/Rural Location⁴					
City	49.9	7.7	5.6	2.1	5.9
Town	18.0	4.5	2.9	1.6	9.8
Suburbs	21.2	4.7	4.0	0.7	8.5
Rural or Open Country	17.9	3.4	2.3	1.1	13.3
Total Number of Rooms (Excluding Bathrooms)					
1 or 2	2.6	0.6	0.4	0.2	24.3
3	9.2	2.1	1.7	0.4	9.8
4	19.0	3.9	2.9	1.0	9.6
5	22.2	3.7	2.8	1.0	6.8
6	23.0	3.7	2.7	1.0	6.7
7	14.0	2.7	1.9	0.8	10.5
8	9.8	1.8	1.3	0.5	12.0
9 or More	7.2	1.6	1.2	0.4	11.9
Bedrooms					
None or 1	13.6	3.3	2.6	0.8	9.3
2	29.5	5.9	4.3	1.6	8.5
3	44.1	7.1	5.3	1.8	6.0
4 or More	19.8	3.9	2.7	1.2	9.9
Other Rooms (Excluding Bathrooms)					
None or 1	4.2	0.9	0.7	0.2	16.7
2	39.4	7.1	5.3	1.8	6.1
3	35.0	6.5	4.7	1.8	5.4
4	18.4	3.7	2.6	1.1	9.3
5 or More	10.0	2.1	1.5	0.5	12.1
Full Bathrooms					
None or 1	58.5	14.1	10.1	3.9	3.9
2	41.2	5.3	4.1	1.2	8.2
3 or More	7.3	0.8	0.6	0.2	20.9
Half Bathrooms					
None	76.6	13.8	9.9	3.9	2.6
1	27.9	6.2	4.8	1.4	6.1
2 or More	2.5	0.3	0.2	Q	21.0
Number of Stories					
Single-Family Homes	73.7	12.0	8.5	3.5	4.0
1 Story	44.2	3.6	2.4	1.2	6.8
2 Stories	26.4	7.5	5.4	2.1	4.8
3 or More Stories	1.6	0.7	0.5	0.2	20.7
Split-Level	1.3	0.2	Q	Q	35.6
Other	Q	Q	Q	Q	NF

See footnotes at end of table.

Table HC1-9a. Housing Unit Characteristics by Northeast Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.6	
Apartments in Buildings With					
2 to 4 Units	9.5	3.1	2.0	1.1	12.3
1 Story	4.5	0.7	0.5	0.2	19.8
2 Stories	3.9	1.5	1.1	0.5	14.0
3 or More Stories	1.1	0.9	0.5	0.4	26.2
Split-Level	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	NF
Mobile Homes	6.8	0.7	0.5	0.2	22.7
Number of Floors for Apartments in Buildings With 5 or More Units					
1 or 2 Floors	17.0	4.5	3.8	0.6	10.0
3 or 4 Floors	8.9	1.1	1.1	Q	26.0
5 to 10 Floors	4.7	1.0	0.7	Q	23.5
11 to 20 Floors	2.4	1.6	1.4	Q	17.8
More than 20 Floors	0.9	0.7	0.6	Q	25.7
More than 20 Floors	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)					
Basement	39.1	12.5	8.4	4.1	4.5
Crawlspace	24.2	1.7	1.1	0.6	13.6
Concrete Slab	29.5	2.8	2.3	0.6	14.2
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	5.1	4.3	0.8	7.5
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	28.3	9.1	6.5	2.6	7.2
All	22.1	6.9	4.9	2.0	7.8
Part	6.2	2.1	1.6	0.6	11.9
No	10.8	3.4	1.9	1.5	10.1
No Basement	44.0	2.7	2.1	0.5	11.8
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	5.1	4.3	0.8	7.5
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	24.6	5.9	4.0	1.9	5.9
Finished	3.5	1.1	0.9	0.3	20.6
Unfinished	21.1	4.8	3.2	1.6	6.6
No Attic	58.6	9.2	6.5	2.7	4.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	5.1	4.3	0.8	7.5
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	4.5	1.2	0.8	0.4	19.0
Fully Heated	2.7	0.7	0.5	0.2	23.4
Partially Heated	1.8	0.4	0.3	0.1	28.3
Attic Not Heated	20.1	4.8	3.2	1.5	6.7
No Attic	58.6	9.2	6.5	2.7	4.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	5.1	4.3	0.8	7.5

See footnotes at end of table.

Table HC1-9a. Housing Unit Characteristics by Northeast Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.6	
Garage/Carport (single-family and mobile homes)					
Yes	58.4	9.0	6.7	2.3	4.3
Attached	37.1	5.8	4.5	1.3	5.6
1-Car Garage	10.8	2.9	2.4	0.6	12.4
2-Car Garage	24.1	2.8	2.0	0.8	11.2
3 or more Car Garage	2.3	Q	Q	Q	28.2
Detached	17.0	3.0	2.1	1.0	7.5
1-Car Garage	6.9	1.3	0.9	0.4	13.0
2-Car Garage	8.7	1.6	1.1	0.5	9.1
3 or more Car Garage	1.4	Q	Q	Q	27.9
Carport (only)	4.2	0.2	Q	Q	25.4
No	22.1	3.6	2.3	1.3	11.3
Not Asked (Apartments)	26.5	7.6	5.8	1.8	8.5
Fuels Used For Any Use (more than one often used)					
Electricity	107.0	20.3	14.8	5.4	NE
Natural Gas	66.9	12.5	10.3	2.3	7.5
Wood	14.5	2.3	1.3	0.9	13.1
Fuel Oil	8.7	6.6	3.9	2.7	12.4
LPG	9.4	1.7	1.0	0.7	16.7
Kerosene	2.9	0.7	0.4	Q	23.9
Solar	1.1	0.2	Q	0.2	32.2
Main Heating Fuel					
Natural Gas	59.3	10.6	8.7	1.9	8.6
Electricity	31.1	2.3	1.8	0.5	11.1
Fuel Oil	8.0	6.3	3.6	2.7	12.2
LPG	5.0	0.4	0.2	0.1	25.3
Wood	2.0	0.3	0.2	Q	18.7
Kerosene	0.8	0.3	0.2	Q	33.1
Solar	Q	Q	Q	Q	NF
Other/None	0.7	Q	Q	Q	35.7
Natural Gas Available in Neighborhood					
Yes	77.7	14.5	11.6	2.9	5.1
No	29.3	5.8	3.3	2.5	11.6

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.

² Does **not** include floorspace for unheated garages.

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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.

• 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 HC1-10a. Housing Unit Characteristics by Midwest Census Region,
Million U.S. Households, 2001**

Housing Unit 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	1.8	
Total	107.0	24.5	17.1	7.4	NE
Census Region and Division					
Northeast	20.3	--	--	--	NF
New England	5.4	--	--	--	NF
Middle Atlantic	14.8	--	--	--	NF
Midwest	24.5	24.5	17.1	7.4	NF
East North Central	17.1	17.1	17.1	Q	NF
West North Central	7.4	7.4	Q	7.4	NF
South	38.9	--	--	--	NF
South Atlantic	20.3	--	--	--	NF
East South Central	6.8	--	--	--	NF
West South Central	11.8	--	--	--	NF
West	23.3	--	--	--	NF
Mountain	6.7	--	--	--	NF
Pacific	16.6	--	--	--	NF
Metropolitan Statistical Area					
Urban	85.5	18.0	13.3	4.7	1.8
Central City	40.0	8.6	6.4	2.2	8.2
Suburban	45.5	9.4	6.9	2.5	7.8
Rural	21.5	6.5	3.8	2.7	5.3
Climate Zone¹					
Fewer than 2,000 CDD and--					
More than 7,000 HDD	9.2	5.4	2.8	2.7	28.6
5,500 to 7,000 HDD	28.6	14.8	12.5	Q	13.9
4,000 to 5,499 HDD	24.0	4.3	Q	2.4	22.6
Fewer than 4,000 HDD	21.0	--	--	--	19.1
2,000 CDD or More and --					
Fewer than 4,000 HDD	24.1	--	--	--	13.9
Total Floorspace Category² (square feet)					
Fewer than 500	3.9	0.5	0.4	Q	24.8
500 to 999	21.8	4.1	3.0	1.1	9.1
1,000 to 1,499	22.7	3.9	2.5	1.4	9.0
1,500 to 1,999	16.6	3.4	2.5	0.9	8.1
2,000 to 2,499	13.5	3.7	2.4	1.4	8.3
2,500 to 2,999	9.3	3.1	2.3	0.7	8.8
3,000 to 3,499	6.9	2.2	1.6	0.7	12.3
3,500 to 3,999	4.1	1.3	1.0	0.3	15.1
4,000 or More	8.2	2.3	1.5	0.8	9.7
Type and Ownership of Housing Unit					
Single-Family Detached	63.1	15.4	10.4	5.0	3.5
Owned	55.7	13.8	9.2	4.5	4.3
Rented	7.4	1.7	1.2	0.5	12.9
Single-Family Attached	10.6	2.8	2.0	0.8	17.6
Owned	7.5	2.2	1.6	0.6	24.5
Rented	3.1	0.6	0.4	Q	21.6
Apartments in Buildings With					
2 to 4 Units	9.5	2.2	1.8	0.4	14.7
Owned	2.1	0.3	0.2	Q	28.9
Rented	7.4	1.9	1.6	0.3	16.3
5 or More Units	17.0	2.8	2.0	0.8	19.0
Owned	1.8	Q	Q	Q	50.7
Rented	15.2	2.6	1.9	0.7	18.4
Mobile Homes	6.8	1.2	0.8	0.4	17.9
Owned	5.7	1.0	0.7	0.3	18.4
Rented	1.1	0.2	Q	Q	33.1

See footnotes at end of table.

Table HC1-10a. Housing Unit Characteristics by Midwest Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.8	
Ownership of Unit					
Owned	72.7	17.5	11.8	5.6	3.3
Rented	34.3	7.0	5.3	1.8	8.3
Year of Construction					
1939 or Before	19.0	6.5	4.5	2.0	10.1
1940 to 1949	7.6	1.6	1.1	0.5	17.2
1950 to 1959	14.2	3.5	2.6	0.9	8.8
1960 to 1969	13.8	2.9	2.0	0.9	10.6
1970 to 1979	18.8	3.6	2.5	1.1	12.0
1980 to 1989	18.2	3.7	2.5	1.2	12.2
1990 to 1999	14.5	2.5	1.7	0.8	17.8
2000 to 2001 ³	0.9	0.3	Q	Q	29.7
Urban/Rural Location⁴					
City	49.9	11.1	8.3	2.8	7.8
Town	18.0	4.9	3.0	2.0	13.6
Suburbs	21.2	4.8	3.4	1.5	9.5
Rural or Open Country	17.9	3.7	2.5	1.2	16.1
Total Number of Rooms (Excluding Bathrooms)					
1 or 2	2.6	0.6	0.5	Q	30.8
3	9.2	1.7	1.4	0.2	16.5
4	19.0	3.8	2.2	1.5	7.3
5	22.2	4.8	3.5	1.3	9.1
6	23.0	5.5	4.0	1.5	6.1
7	14.0	3.7	2.7	1.0	8.8
8	9.8	2.7	1.7	1.1	11.6
9 or More	7.2	1.8	1.2	0.6	16.8
Bedrooms					
None or 1	13.6	2.9	2.2	0.7	12.3
2	29.5	6.1	3.9	2.2	6.7
3	44.1	10.3	7.4	2.8	5.2
4 or More	19.8	5.2	3.6	1.6	8.6
Other Rooms (Excluding Bathrooms)					
None or 1	4.2	0.7	0.6	Q	18.0
2	39.4	7.7	5.6	2.2	4.9
3	35.0	8.6	6.2	2.4	4.7
4	18.4	4.7	3.2	1.6	9.9
5 or More	10.0	2.6	1.6	1.1	14.0
Full Bathrooms					
None or 1	58.5	15.1	10.7	4.4	5.1
2	41.2	8.3	5.8	2.6	7.3
3 or More	7.3	1.1	0.6	0.5	17.3
Half Bathrooms					
None	76.6	16.0	11.0	5.0	2.8
1	27.9	7.8	5.5	2.3	5.6
2 or More	2.5	0.7	0.6	Q	19.0
Number of Stories					
Single-Family Homes	73.7	18.3	12.4	5.8	2.8
1 Story	44.2	9.1	5.8	3.3	4.9
2 Stories	26.4	8.2	5.9	2.3	7.4
3 or More Stories	1.6	0.4	0.3	Q	25.6
Split-Level	1.3	0.5	0.4	Q	27.0
Other	Q	Q	Q	Q	NF

See footnotes at end of table.

Table HC1-10a. Housing Unit Characteristics by Midwest Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.8	
Apartments in Buildings With					
2 to 4 Units	9.5	2.2	1.8	0.4	14.7
1 Story	4.5	1.0	0.8	Q	20.3
2 Stories	3.9	1.1	0.9	Q	13.5
3 or More Stories	1.1	Q	Q	Q	44.5
Split-Level	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	NF
Mobile Homes	6.8	1.2	0.8	0.4	17.9
Number of Floors for Apartments in Buildings With 5 or More Units					
1 or 2 Floors	17.0	2.8	2.0	0.8	19.0
1 or 2 Floors	8.9	1.4	0.8	Q	21.3
3 or 4 Floors	4.7	1.0	0.8	0.3	24.1
5 to 10 Floors	2.4	Q	Q	Q	31.1
11 to 20 Floors	0.9	Q	Q	Q	46.5
More than 20 Floors	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)					
Basement	39.1	14.9	10.2	4.7	5.8
Crawlspace	24.2	4.6	3.4	1.2	11.7
Concrete Slab	29.5	3.5	2.8	0.8	11.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	4.0	2.9	1.2	12.8
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	28.3	12.2	8.2	4.1	6.3
All	22.1	10.1	6.6	3.4	5.8
Part	6.2	2.2	1.5	0.7	14.9
No	10.8	2.7	2.1	0.6	9.4
No Basement	44.0	5.5	4.0	1.5	11.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	4.0	2.9	1.2	12.8
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	24.6	5.1	3.5	1.7	10.5
Finished	3.5	0.8	0.5	0.3	15.8
Unfinished	21.1	4.3	2.9	1.4	11.4
No Attic	58.6	15.3	10.8	4.6	4.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	4.0	2.9	1.2	12.8
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	4.5	0.9	0.6	0.3	17.7
Fully Heated	2.7	0.6	0.4	Q	23.0
Partially Heated	1.8	0.3	Q	Q	27.1
Attic Not Heated	20.1	4.2	2.9	1.4	11.6
No Attic	58.6	15.3	10.8	4.6	4.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	4.0	2.9	1.2	12.8

See footnotes at end of table.

Table HC1-10a. Housing Unit Characteristics by Midwest Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.8	
Garage/Carport (single-family and mobile homes)					
Yes	58.4	15.9	10.7	5.2	3.8
Attached	37.1	9.8	6.8	3.1	7.3
1-Car Garage	10.8	2.3	1.4	1.0	14.7
2-Car Garage	24.1	6.4	4.6	1.8	8.4
3 or more Car Garage	2.3	1.1	0.8	0.3	27.2
Detached	17.0	5.8	3.7	2.1	10.7
1-Car Garage	6.9	2.2	1.4	0.8	14.2
2-Car Garage	8.7	3.1	2.1	1.1	12.0
3 or more Car Garage	1.4	0.5	0.3	Q	27.9
Carport (only)	4.2	Q	Q	Q	22.7
No	22.1	3.6	2.6	1.0	12.2
Not Asked (Apartments)	26.5	5.0	3.8	1.2	10.4
Fuels Used For Any Use (more than one often used)					
Electricity	107.0	24.5	17.1	7.4	NE
Natural Gas	66.9	19.4	14.2	5.2	3.9
Wood	14.5	2.5	1.4	1.1	13.1
Fuel Oil	8.7	0.9	0.5	0.4	15.2
LPG	9.4	2.3	1.1	1.2	22.0
Kerosene	2.9	0.5	0.4	Q	15.3
Solar	1.1	Q	Q	Q	34.7
Main Heating Fuel					
Natural Gas	59.3	19.0	13.9	5.1	4.4
Electricity	31.1	2.5	1.7	0.8	13.5
Fuel Oil	8.0	0.8	0.4	0.4	14.0
LPG	5.0	1.8	0.9	0.9	23.7
Wood	2.0	0.4	Q	0.2	29.9
Kerosene	0.8	Q	Q	Q	36.1
Solar	Q	Q	Q	Q	NF
Other/None	0.7	Q	Q	Q	39.0
Natural Gas Available in Neighborhood					
Yes	77.7	21.5	15.5	6.0	3.3
No	29.3	3.0	1.6	1.4	17.8

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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.

• 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 HC1-11a. Housing Unit Characteristics by South Census Region, Million U.S. Households, 2001

Housing Unit 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	1.4	
Total	107.0	38.9	20.3	6.8	11.8	NE
Census Region and Division						
Northeast	20.3	--	--	--	--	NF
New England	5.4	--	--	--	--	NF
Middle Atlantic	14.8	--	--	--	--	NF
Midwest	24.5	--	--	--	--	NF
East North Central	17.1	--	--	--	--	NF
West North Central	7.4	--	--	--	--	NF
South	38.9	38.9	20.3	6.8	11.8	NF
South Atlantic	20.3	20.3	20.3	Q	Q	NF
East South Central	6.8	6.8	Q	6.8	Q	NF
West South Central	11.8	11.8	Q	Q	11.8	NF
West	23.3	--	--	--	--	NF
Mountain	6.7	--	--	--	--	NF
Pacific	16.6	--	--	--	--	NF
Metropolitan Statistical Area						
Urban	85.5	28.1	15.5	3.5	9.0	2.3
Central City	40.0	13.1	6.4	1.6	5.1	11.6
Suburban	45.5	14.9	9.1	1.9	3.9	9.7
Rural	21.5	10.9	4.8	3.3	2.8	5.7
Climate Zone¹						
Fewer than 2,000 CDD and--						
More than 7,000 HDD	9.2	--	--	--	--	36.5
5,500 to 7,000 HDD	28.6	--	--	--	--	18.3
4,000 to 5,499 HDD	24.0	8.9	6.3	2.6	Q	12.5
Fewer than 4,000 HDD	21.0	9.9	5.7	Q	Q	12.5
2,000 CDD or More and --						
Fewer than 4,000 HDD	24.1	20.1	8.3	Q	10.3	6.3
Total Floorspace Category² (square feet)						
Fewer than 500	3.9	1.3	0.6	Q	0.5	19.3
500 to 999	21.8	7.6	3.8	1.5	2.4	8.7
1,000 to 1,499	22.7	10.0	4.9	1.7	3.4	6.8
1,500 to 1,999	16.6	6.8	3.6	1.1	2.2	9.2
2,000 to 2,499	13.5	4.6	2.9	0.6	1.1	10.0
2,500 to 2,999	9.3	2.6	1.4	0.6	0.6	13.7
3,000 to 3,499	6.9	2.0	1.2	0.4	0.3	19.8
3,500 to 3,999	4.1	1.2	0.5	0.2	0.5	16.6
4,000 or More	8.2	2.8	1.4	0.6	0.8	15.9
Type and Ownership of Housing Unit						
Single-Family Detached	63.1	25.5	12.4	4.8	8.3	3.3
Owned	55.7	22.4	11.0	4.2	7.2	3.7
Rented	7.4	3.1	1.4	0.6	1.1	12.5
Single-Family Attached	10.6	3.1	2.4	0.3	0.4	19.9
Owned	7.5	2.1	1.7	Q	Q	22.2
Rented	3.1	1.0	0.7	Q	0.3	19.9
Apartments in Buildings With						
2 to 4 Units	9.5	2.6	1.4	Q	0.7	17.3
Owned	2.1	0.5	Q	Q	Q	40.6
Rented	7.4	2.1	1.1	Q	0.6	19.7
Apartments in Buildings With						
5 or More Units	17.0	4.5	2.6	0.4	1.5	14.0
Owned	1.8	Q	Q	Q	Q	52.2
Rented	15.2	3.9	2.1	0.4	1.5	11.4
Mobile Homes	6.8	3.3	1.5	0.9	0.9	20.2
Owned	5.7	2.6	1.2	0.7	0.7	21.2
Rented	1.1	0.6	Q	Q	Q	36.3

See footnotes at end of table.

**Table HC1-11a. Housing Unit Characteristics by South Census Region,
Million U.S. Households, 2001 (Continued)**

Housing Unit 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	1.4	
Ownership of Unit						
Owned	72.7	28.1	14.8	5.1	8.2	2.6
Rented	34.3	10.8	5.5	1.7	3.6	6.6
Year of Construction						
1939 or Before	19.0	3.6	1.1	1.0	1.5	12.9
1940 to 1949	7.6	2.4	1.3	0.4	0.8	14.3
1950 to 1959	14.2	4.4	2.4	0.7	1.3	9.9
1960 to 1969	13.8	4.4	2.2	0.8	1.4	12.0
1970 to 1979	18.8	7.7	4.3	1.0	2.4	6.9
1980 to 1989	18.2	8.9	4.9	1.5	2.5	7.7
1990 to 1999	14.5	7.3	4.0	1.4	1.9	13.8
1990 to 2001 ³	0.9	0.3	Q	Q	Q	39.5
Urban/Rural Location⁴						
City	49.9	16.7	8.2	2.0	6.5	7.4
Town	18.0	5.1	2.5	1.1	1.5	12.8
Suburbs	21.2	8.9	5.8	1.1	2.0	10.1
Rural or Open Country	17.9	8.2	3.9	2.5	1.8	12.6
Total Number of Rooms (Excluding Bathrooms)						
1 or 2	2.6	0.6	Q	Q	Q	35.4
3	9.2	2.5	1.1	0.4	1.1	14.7
4	19.0	5.9	3.0	1.2	1.7	8.5
5	22.2	9.7	4.7	1.7	3.3	7.4
6	23.0	9.2	5.0	1.6	2.6	6.6
7	14.0	5.0	2.7	0.8	1.5	9.8
8	9.8	3.6	2.2	0.6	0.9	10.2
9 or More	7.2	2.4	1.4	0.4	0.6	15.5
Bedrooms						
None or 1	13.6	3.5	1.4	0.5	1.6	13.7
2	29.5	9.9	5.4	1.9	2.6	7.2
3	44.1	18.7	10.1	3.2	5.5	5.5
4 or More	19.8	6.9	3.5	1.2	2.1	8.9
Other Rooms (Excluding Bathrooms)						
None or 1	4.2	1.2	0.6	0.3	Q	19.0
2	39.4	14.1	6.6	2.7	4.9	6.4
3	35.0	13.5	7.3	2.2	4.0	6.9
4	18.4	6.6	3.7	1.0	1.8	9.2
5 or More	10.0	3.5	2.1	0.6	0.8	13.2
Full Bathrooms						
None or 1	58.5	17.8	8.7	3.4	5.7	5.3
2	41.2	17.8	9.9	2.8	5.1	6.2
3 or More	7.3	3.3	1.7	0.6	0.9	16.2
Half Bathrooms						
None	76.6	28.6	14.1	5.4	9.1	1.9
1	27.9	9.3	5.4	1.3	2.5	5.8
2 or More	2.5	1.1	0.8	Q	Q	14.5
Number of Stories						
Single-Family Homes	73.7	28.6	14.8	5.1	8.7	3.3
1 Story	44.2	21.1	10.0	3.9	7.2	4.4
2 Stories	26.4	6.9	4.4	1.1	1.4	10.2
3 or More Stories	1.6	Q	Q	Q	Q	30.2
Split-Level	1.3	0.3	Q	Q	Q	38.3
Other	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

**Table HC1-11a. Housing Unit Characteristics by South Census Region,
Million U.S. Households, 2001 (Continued)**

Housing Unit 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	1.4	
Apartments in Buildings With						
2 to 4 Units	9.5	2.6	1.4	Q	0.7	17.3
1 Story	4.5	1.8	0.9	Q	0.6	20.9
2 Stories	3.9	0.7	0.4	Q	Q	28.5
3 or More Stories	1.1	Q	Q	Q	Q	45.8
Split-Level	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Mobile Homes	6.8	3.3	1.5	0.9	0.9	20.2
Number of Floors for Apartments in Buildings With 5 or More Units						
1 or 2 Floors	17.0	4.5	2.6	0.4	1.5	14.0
3 or 4 Floors	8.9	3.2	1.6	0.3	1.3	12.4
5 to 10 Floors	4.7	0.9	0.6	Q	Q	37.7
11 to 20 Floors	2.4	Q	Q	Q	Q	32.0
More than 20 Floors	0.9	Q	Q	Q	Q	47.9
	Q	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)						
Basement	39.1	7.9	5.1	1.7	1.1	10.1
Crawlspace	24.2	10.6	5.2	2.7	2.8	9.0
Concrete Slab	29.5	15.1	7.3	1.6	6.2	6.3
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.7	4.1	1.2	2.4	10.7
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	28.3	4.8	3.3	1.3	0.3	14.2
All	22.1	3.5	2.5	0.9	Q	13.7
Part	6.2	1.3	0.9	0.4	Q	14.0
No	10.8	3.1	1.8	0.5	0.8	13.1
No Basement	44.0	23.3	11.1	3.9	8.3	4.1
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.7	4.1	1.2	2.4	10.7
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	24.6	11.4	5.9	1.8	3.7	10.9
Finished	3.5	1.1	0.5	0.2	0.5	24.1
Unfinished	21.1	10.3	5.4	1.7	3.2	11.1
No Attic	58.6	19.8	10.4	3.7	5.7	6.2
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.7	4.1	1.2	2.4	10.7
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units						
Yes	4.5	2.1	0.8	0.5	0.8	18.2
Fully Heated	2.7	1.2	0.5	0.3	0.4	20.3
Partially Heated	1.8	0.9	Q	0.2	0.4	26.5
Attic Not Heated	20.1	9.3	5.1	1.4	2.9	12.1
No Attic	58.6	19.8	10.4	3.7	5.7	6.2
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	7.7	4.1	1.2	2.4	10.7

See footnotes at end of table.

Table HC1-11a. Housing Unit Characteristics by South Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit 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	1.4	
Garage/Carport (single-family and mobile homes)						
Yes	58.4	20.1	9.5	3.3	7.3	4.3
Attached	37.1	12.5	6.6	1.8	4.0	8.5
1-Car Garage	10.8	3.6	2.0	0.6	1.0	16.5
2-Car Garage	24.1	8.5	4.4	1.1	2.9	10.5
3 or more Car Garage	2.3	0.4	Q	Q	Q	28.1
Detached	17.0	4.8	1.8	0.9	2.1	13.5
1-Car Garage	6.9	2.1	0.8	0.5	0.8	14.9
2-Car Garage	8.7	2.3	0.7	0.3	1.2	16.6
3 or more Car Garage	1.4	0.5	Q	Q	Q	30.6
Carport (only)	4.2	2.7	1.2	0.5	1.1	17.5
No	22.1	11.8	6.8	2.7	2.3	10.1
Not Asked (Apartments)	26.5	7.1	4.0	0.9	2.2	12.6
Fuels Used For Any Use (more than one often used)						
Electricity	107.0	38.9	20.3	6.8	11.8	NE
Natural Gas	66.9	18.7	8.0	2.9	7.8	7.0
Wood	14.5	5.2	2.8	0.9	1.5	11.2
Fuel Oil	8.7	0.9	0.9	Q	Q	29.2
LPG	9.4	3.8	2.1	1.3	0.5	16.6
Kerosene	2.9	1.4	1.0	0.3	Q	18.9
Solar	1.1	Q	Q	Q	Q	35.7
Main Heating Fuel						
Natural Gas	59.3	15.7	6.8	2.4	6.5	7.7
Electricity	31.1	19.4	11.0	3.4	4.9	7.5
Fuel Oil	8.0	0.8	0.8	Q	Q	28.9
LPG	5.0	2.0	1.0	0.8	0.3	22.1
Wood	2.0	0.6	0.4	Q	Q	30.5
Kerosene	0.8	0.4	0.3	Q	Q	29.8
Solar	Q	Q	Q	Q	Q	NF
Other/None	0.7	Q	Q	Q	Q	40.1
Natural Gas Available in Neighborhood						
Yes	77.7	23.7	10.4	3.8	9.4	4.9
No	29.3	15.2	9.9	3.0	2.4	9.1

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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.

• 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 HC1-12a. Housing Unit Characteristics by West Census Region,
Million U.S. Households, 2001**

Housing Unit Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.1	
Total	107.0	23.3	6.7	16.6	NE
Census Region and Division					
Northeast	20.3	--	--	--	NF
New England	5.4	--	--	--	NF
Middle Atlantic	14.8	--	--	--	NF
Midwest	24.5	--	--	--	NF
East North Central	17.1	--	--	--	NF
West North Central	7.4	--	--	--	NF
South	38.9	--	--	--	NF
South Atlantic	20.3	--	--	--	NF
East South Central	6.8	--	--	--	NF
West South Central	11.8	--	--	--	NF
West	23.3	23.3	6.7	16.6	NF
Mountain	6.7	6.7	6.7	Q	NF
Pacific	16.6	16.6	Q	16.6	NF
Metropolitan Statistical Area					
Urban	85.5	20.7	5.3	15.4	3.8
Central City	40.0	11.8	3.8	7.9	6.2
Suburban	45.5	8.9	1.5	7.4	7.6
Rural	21.5	2.6	1.4	1.2	12.0
Climate Zone¹					
Fewer than 2,000 CDD and--					
More than 7,000 HDD	9.2	1.9	1.0	0.9	9.1
5,500 to 7,000 HDD	28.6	3.9	2.9	Q	18.7
4,000 to 5,499 HDD	24.0	2.5	Q	2.5	26.4
Fewer than 4,000 HDD	21.0	11.1	Q	10.7	5.3
2,000 CDD or More and --					
Fewer than 4,000 HDD	24.1	3.9	2.4	1.5	9.1
Total Floorspace Category² (square feet)					
Fewer than 500	3.9	1.1	0.3	0.8	14.6
500 to 999	21.8	6.6	1.6	5.0	7.4
1,000 to 1,499	22.7	5.5	1.6	3.9	5.3
1,500 to 1,999	16.6	3.3	1.0	2.3	6.5
2,000 to 2,499	13.5	2.5	0.8	1.7	10.7
2,500 to 2,999	9.3	1.6	0.6	1.0	11.3
3,000 to 3,499	6.9	1.1	0.4	0.7	14.3
3,500 to 3,999	4.1	0.6	Q	0.5	17.1
4,000 or More	8.2	1.0	0.4	0.6	19.0
Type and Ownership of Housing Unit					
Single-Family Detached	63.1	13.0	4.0	9.0	5.0
Owned	55.7	10.9	3.5	7.4	5.9
Rented	7.4	2.1	0.5	1.5	8.9
Single-Family Attached	10.6	1.8	0.6	1.2	15.5
Owned	7.5	1.0	0.3	0.7	20.4
Rented	3.1	0.8	0.3	0.5	17.1
Apartments in Buildings With					
2 to 4 Units	9.5	1.6	0.5	1.1	15.3
Owned	2.1	0.2	Q	Q	33.1
Rented	7.4	1.4	0.4	1.0	16.3
5 or More Units	17.0	5.3	0.9	4.4	12.1
Owned	1.8	0.5	Q	0.3	40.8
Rented	15.2	4.7	0.6	4.1	12.8
Mobile Homes	6.8	1.7	0.8	0.9	20.3
Owned	5.7	1.5	0.6	0.8	22.7
Rented	1.1	0.2	Q	Q	34.6

See footnotes at end of table.

Table HC1-12a. Housing Unit Characteristics by West Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.1	
Ownership of Unit					
Owned	72.7	14.1	4.7	9.4	4.1
Rented	34.3	9.2	2.0	7.2	7.4
Year of Construction					
1939 or Before	19.0	2.4	0.7	1.7	10.3
1940 to 1949	7.6	1.6	0.5	1.2	13.7
1950 to 1959	14.2	3.3	0.8	2.5	12.0
1960 to 1969	13.8	3.7	0.8	2.8	9.8
1970 to 1979	18.8	5.4	1.9	3.5	6.7
1980 to 1989	18.2	3.4	0.9	2.4	10.0
1990 to 1999	14.5	3.4	1.1	2.3	18.2
2000 to 2001 ³	0.9	0.2	Q	Q	37.4
Urban/Rural Location⁴					
City	49.9	14.4	4.2	10.3	4.0
Town	18.0	3.5	1.2	2.4	11.5
Suburbs	21.2	2.7	0.6	2.1	11.1
Rural or Open Country	17.9	2.6	0.7	1.9	12.1
Total Number of Rooms (Excluding Bathrooms)					
1 or 2	2.6	0.8	Q	0.7	22.4
3	9.2	2.9	0.7	2.2	11.0
4	19.0	5.5	1.5	3.9	8.5
5	22.2	4.0	1.2	2.7	5.6
6	23.0	4.5	1.3	3.3	6.1
7	14.0	2.6	0.9	1.7	9.0
8	9.8	1.7	0.6	1.1	12.8
9 or More	7.2	1.3	0.5	0.8	15.3
Bedrooms					
None or 1	13.6	3.9	0.9	3.0	8.6
2	29.5	7.5	2.2	5.3	6.9
3	44.1	8.0	2.4	5.6	5.6
4 or More	19.8	3.9	1.3	2.6	9.6
Other Rooms (Excluding Bathrooms)					
None or 1	4.2	1.4	0.2	1.1	18.6
2	39.4	10.4	2.8	7.6	5.1
3	35.0	6.4	1.9	4.4	4.3
4	18.4	3.4	1.0	2.3	7.7
5 or More	10.0	1.7	0.7	1.0	11.7
Full Bathrooms					
None or 1	58.5	11.5	3.2	8.3	5.1
2	41.2	9.7	2.9	6.8	5.7
3 or More	7.3	2.1	0.6	1.5	16.3
Half Bathrooms					
None	76.6	18.2	5.3	12.9	1.7
1	27.9	4.7	1.2	3.5	6.0
2 or More	2.5	0.4	0.2	0.2	17.5
Number of Stories					
Single-Family Homes	73.7	14.8	4.6	10.2	4.0
1 Story	44.2	10.3	3.2	7.1	4.7
2 Stories	26.4	3.9	1.0	2.9	10.0
3 or More Stories	1.6	0.3	Q	Q	31.3
Split-Level	1.3	0.3	Q	Q	39.0
Other	Q	Q	Q	Q	NF

See footnotes at end of table.

Table HC1-12a. Housing Unit Characteristics by West Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.1	
Apartments in Buildings With					
2 to 4 Units	9.5	1.6	0.5	1.1	15.3
1 Story	4.5	1.0	0.3	0.7	20.3
2 Stories	3.9	0.6	Q	0.4	19.1
3 or More Stories	1.1	Q	Q	Q	41.4
Split-Level	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	NF
Mobile Homes	6.8	1.7	0.8	0.9	20.3
Number of Floors for Apartments in Buildings With 5 or More Units					
1 or 2 Floors	17.0	5.3	0.9	4.4	12.1
3 or 4 Floors	8.9	3.2	0.5	2.7	11.9
5 to 10 Floors	4.7	1.8	Q	1.4	25.2
11 to 20 Floors	2.4	Q	Q	Q	28.9
More than 20 Floors	0.9	Q	Q	Q	43.3
More than 20 Floors	Q	Q	Q	Q	NF
Foundation/Basement of Single-Family Homes and Apartments in Buildings With 2 to 4 Units (More than one may apply)					
Basement	39.1	3.8	1.8	2.1	9.8
Crawlspace	24.2	7.4	1.5	5.9	9.1
Concrete Slab	29.5	8.0	2.5	5.5	5.9
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	6.9	1.6	5.3	9.0
Heated Basement in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	28.3	2.2	1.3	0.9	10.4
All	22.1	1.7	1.1	0.6	9.9
Part	6.2	0.5	0.3	0.3	20.3
No	10.8	1.6	0.4	1.1	16.1
No Basement	44.0	12.6	3.3	9.2	4.4
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	6.9	1.6	5.3	9.0
Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	24.6	2.1	0.4	1.7	14.8
Finished	3.5	0.4	Q	0.4	27.6
Unfinished	21.1	1.7	0.3	1.3	15.5
No Attic	58.6	14.3	4.7	9.6	3.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	6.9	1.6	5.3	9.0
Heated Attic in Single-Family Homes and Apartments in Buildings With 2 to 4 Units					
Yes	4.5	0.3	Q	0.3	26.0
Fully Heated	2.7	Q	Q	Q	21.2
Partially Heated	1.8	Q	Q	Q	27.5
Attic Not Heated	20.1	1.8	0.3	1.4	15.6
No Attic	58.6	14.3	4.7	9.6	3.6
Not Asked (Mobile Homes and Apartments in Buildings With 5 or More Units)	23.8	6.9	1.6	5.3	9.0

See footnotes at end of table.

Table HC1-12a. Housing Unit Characteristics by West Census Region, Million U.S. Households, 2001 (Continued)

Housing Unit Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.1	
Garage/Carport (single-family and mobile homes)					
Yes	58.4	13.4	3.8	9.6	4.3
Attached	37.1	9.0	2.3	6.7	6.9
1-Car Garage	10.8	1.9	0.4	1.5	13.1
2-Car Garage	24.1	6.4	1.8	4.5	8.1
3 or more Car Garage	2.3	0.7	Q	0.7	26.1
Detached	17.0	3.3	1.1	2.2	10.1
1-Car Garage	6.9	1.3	0.6	0.8	13.4
2-Car Garage	8.7	1.7	0.5	1.2	14.1
3 or more Car Garage	1.4	0.3	Q	0.2	30.1
Carport (only)	4.2	1.1	0.4	0.7	17.7
No	22.1	3.0	1.6	1.5	9.4
Not Asked (Apartments)	26.5	6.8	1.3	5.5	9.4
Fuels Used For Any Use (more than one often used)					
Electricity	107.0	23.3	6.7	16.6	NE
Natural Gas	66.9	16.3	4.7	11.6	2.6
Wood	14.5	4.6	1.0	3.5	10.4
Fuel Oil	8.7	0.2	Q	0.2	24.8
LPG	9.4	1.5	0.5	1.0	17.4
Kerosene	2.9	0.4	Q	0.3	18.2
Solar	1.1	0.6	Q	0.5	25.9
Main Heating Fuel					
Natural Gas	59.3	14.1	4.2	9.9	2.6
Electricity	31.1	6.9	2.0	4.9	5.9
Fuel Oil	8.0	0.2	Q	Q	26.9
LPG	5.0	0.7	0.4	0.4	25.2
Wood	2.0	0.8	0.2	0.6	16.8
Kerosene	0.8	Q	Q	Q	33.6
Solar	Q	Q	Q	Q	NF
Other/None	0.7	0.5	Q	0.5	18.9
Natural Gas Available in Neighborhood					
Yes	77.7	18.0	5.2	12.9	2.9
No	29.3	5.3	1.6	3.7	9.2

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

³ 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.

⁴ Based on the household respondent's description rather than the Federal Government definition.

-- = Data not applicable.

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.

• 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.

2001 Housing Characteristics Tables

Household Tables

(Million U.S. Households; 24 pages, 122 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 HC2-1a. Household Characteristics by Climate Zone,
Million U.S. Households, 2001**

Household 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:	0.4	1.9	1.1	1.1	1.2	1.0	
Total	107.0	9.2	28.6	24.0	21.0	24.1	7.8
Household Size							
1 Person	28.2	2.5	8.1	6.5	4.8	6.2	9.9
2 Persons	35.1	3.1	9.4	8.2	6.5	7.9	8.7
3 Persons	17.0	1.3	4.3	4.0	3.3	4.1	10.7
4 Persons	15.6	1.4	3.9	3.4	3.4	3.5	10.5
5 Persons	7.1	0.6	1.9	1.3	1.7	1.6	15.5
6 or More Persons	4.0	0.3	1.0	0.7	1.2	0.8	15.9
2001 Household Income Category							
Less than \$9,999	11.0	0.7	2.6	2.7	2.4	2.6	13.8
\$10,000 to \$14,999	7.7	0.8	1.7	1.5	2.0	1.7	14.6
\$15,000 to \$19,999	8.9	0.7	2.4	1.9	1.8	2.2	14.0
\$20,000 to \$29,999	14.0	1.2	3.9	3.2	2.2	3.4	13.1
\$30,000 to \$39,999	13.9	1.3	4.0	2.9	2.6	3.2	10.5
\$40,000 to \$49,999	13.2	1.2	3.7	2.7	2.3	3.2	14.0
\$50,000 to \$74,999	21.7	2.1	5.9	5.0	4.1	4.5	9.5
\$75,000 to \$99,999	8.1	0.8	2.1	1.8	1.8	1.6	14.1
\$100,000 or More	8.6	0.5	2.2	2.2	2.0	1.7	12.3
Income Relative to Poverty Line							
Below 100 Percent	15.0	1.0	3.4	3.3	3.8	3.5	12.2
100 to 150 Percent	11.5	1.0	2.7	2.7	2.3	2.8	11.8
Above 150 Percent	80.5	7.2	22.6	18.1	14.9	17.8	6.8
Eligible for Federal Assistance²							
Yes	33.8	2.7	9.4	8.0	6.7	7.1	9.8
No	73.2	6.5	19.3	16.1	14.3	17.0	7.2
Age of Householder							
Under 25 Years	6.1	0.5	1.8	1.5	1.1	1.2	16.3
25 to 34 Years	16.8	1.3	4.9	3.3	3.4	4.0	11.2
35 to 44 Years	22.3	1.9	6.2	4.8	5.0	4.4	9.0
45 to 54 Years	20.7	2.2	4.8	4.3	4.1	5.3	9.5
55 to 64 Years	14.5	1.2	3.5	3.7	2.4	3.6	11.1
65 to 74 Years	12.6	0.9	3.5	2.9	2.5	2.8	11.5
75 Years or More	11.2	1.1	3.4	2.7	1.9	2.2	12.6
No answer/refused	2.6	Q	0.6	0.8	0.5	0.5	20.7
Race of Householder							
Non-Hispanic	96.8	9.1	27.0	22.3	18.1	20.4	8.4
Non-Hispanic White	78.7	8.6	23.5	17.6	13.2	15.9	7.9
Non-Hispanic Black	12.7	Q	2.6	3.5	3.2	3.4	12.3
Multi-racial ²	0.9	Q	Q	Q	Q	0.2	44.5
Other ³	4.5	0.2	0.7	1.0	1.6	1.0	20.3
Hispanic	10.2	0.2	1.7	1.7	2.9	3.6	15.8

See footnotes at end of table.

**Table HC2-1a. Household Characteristics by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Household 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:	0.4	1.9	1.1	1.1	1.2	1.0	
Household Owns or Has Regular Use of a Motor Vehicle							
No	11.6	0.6	2.6	4.0	2.2	2.1	12.2
Yes	95.4	8.6	26.0	20.0	18.8	21.9	8.1
1 Vehicle	36.0	2.7	9.9	8.0	6.8	8.7	9.2
2 Vehicles	40.1	3.8	10.9	7.8	8.6	9.1	8.0
3 Vehicles	13.9	1.6	4.0	3.2	2.2	2.9	10.9
4 or More Vehicles	5.3	0.6	1.2	1.0	1.2	1.3	15.9

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

³ Respondents could select one or more race categories to describe themselves.

⁴ Includes Native American, Native Alaskan, Asian, and Pacific Islander households.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC2-2a. Household Characteristics by Year of Construction,
Million U.S. Households, 2001**

Household 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:	0.4	1.6	1.2	1.0	1.2	1.2	0.9	
Total	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
Household Size								
1 Person	28.2	2.5	4.5	5.1	4.0	3.7	8.3	7.5
2 Persons	35.1	4.8	6.2	6.6	4.5	5.3	7.8	5.8
3 Persons	17.0	2.5	3.3	2.9	2.3	1.9	4.1	8.4
4 Persons	15.6	3.4	2.8	2.3	1.9	1.8	3.4	9.6
5 Persons	7.1	1.6	1.2	1.3	0.6	0.7	1.6	14.3
6 or More Persons	4.0	0.7	0.2	0.6	0.4	0.7	1.4	17.5
2001 Household Income Category								
Less than \$9,999	11.0	0.9	1.8	2.1	1.2	1.1	3.9	13.5
\$10,000 to \$14,999	7.7	0.7	1.0	1.3	1.1	1.0	2.6	13.7
\$15,000 to \$19,999	8.9	1.1	1.2	1.7	1.3	1.0	2.7	12.6
\$20,000 to \$29,999	14.0	1.3	2.1	2.7	1.8	2.1	4.0	9.9
\$30,000 to \$39,999	13.9	1.4	2.3	2.8	1.9	2.1	3.4	9.3
\$40,000 to \$49,999	13.2	1.7	2.4	2.0	1.7	1.9	3.3	11.2
\$50,000 to \$74,999	21.7	3.9	4.1	3.8	2.9	2.7	4.1	8.2
\$75,000 to \$99,999	8.1	1.9	1.6	1.3	1.0	1.1	1.3	12.6
\$100,000 or More	8.6	2.6	1.7	1.0	0.9	1.1	1.3	13.7
Income Relative to Poverty Line								
Below 100 Percent	15.0	1.4	2.3	2.8	1.7	1.7	5.1	11.4
100 to 150 Percent	11.5	1.2	1.4	2.1	1.5	1.5	3.8	10.7
Above 150 Percent	80.5	12.9	14.5	13.9	10.6	11.0	17.7	4.4
Eligible for Federal Assistance²								
Yes	33.8	3.2	4.7	6.3	4.2	4.0	11.4	7.4
No	73.2	12.2	13.5	12.5	9.5	10.2	15.2	4.7
Age of Householder								
Under 25 Years	6.1	0.7	1.3	1.2	0.7	0.7	1.5	15.2
25 to 34 Years	16.8	3.6	3.0	2.7	1.9	1.9	3.8	9.4
35 to 44 Years	22.3	4.2	3.5	4.1	2.4	2.9	5.4	7.4
45 to 54 Years	20.7	2.8	4.0	3.7	2.4	2.6	5.3	8.3
55 to 64 Years	14.5	1.6	2.3	2.9	2.0	2.3	3.4	10.0
65 to 74 Years	12.6	1.4	2.1	1.7	2.1	2.1	3.1	10.4
75 Years or More	11.2	0.9	1.7	1.9	1.9	1.5	3.4	12.5
No answer/refused	2.6	0.3	0.4	0.5	0.3	0.2	0.7	23.2
Race of Householder								
Non-Hispanic	96.8	14.6	16.8	16.9	12.3	12.8	23.3	4.6
Non-Hispanic White	78.7	12.2	14.4	14.1	9.9	10.3	17.9	4.7
Non-Hispanic Black	12.7	1.6	1.5	1.8	1.7	2.0	4.2	12.9
Multi-racial ³	0.9	Q	Q	Q	Q	Q	0.3	43.7
Other ⁴	4.5	0.8	0.7	0.9	0.6	0.5	0.9	18.5
Hispanic	10.2	0.8	1.4	1.8	1.5	1.3	3.3	14.0

See footnotes at end of table.

Table HC2-2a. Household Characteristics by Year of Construction, Million U.S. Households, 2001 (Continued)

Household 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:	0.4	1.6	1.2	1.0	1.2	1.2	0.9	
Household Owns or Has Regular Use of a Motor Vehicle								
No	11.6	0.7	1.4	1.9	1.5	1.5	4.6	12.4
Yes	95.4	14.7	16.8	16.8	12.3	12.7	22.0	4.4
1 Vehicle	36.0	3.7	6.3	6.4	4.6	5.1	9.9	7.0
2 Vehicles	40.1	7.8	7.2	6.8	5.2	5.4	7.7	5.9
3 Vehicles	13.9	2.4	2.4	2.7	1.8	1.5	3.1	9.6
4 or More Vehicles	5.3	0.8	0.9	0.8	0.7	0.8	1.3	14.4

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

³ Respondents could select one or more race categories to describe themselves.

⁴ Includes Native American, Native Alaskan, Asian, and Pacific Islander households.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC2-3a. Household Characteristics by Household Income, Million U.S. Households, 2001

Household 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	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.3
Household Size								
1 Person	28.2	9.7	--	--	--	6.5	11.3	5.7
2 Persons	35.1	4.3	--	--	--	2.0	7.8	5.8
3 Persons	17.0	--	3.3	--	--	2.2	5.2	7.3
4 Persons	15.6	--	2.2	--	--	--	4.3	8.1
5 Persons	7.1	--	--	1.9	--	--	2.9	12.2
6 or More Persons	4.0	--	--	1.0	--	--	2.3	12.7
2001 Household Income Category								
Less than \$9,999	11.0	--	--	--	Q	--	--	6.0
\$10,000 to \$14,999	7.7	--	--	--	Q	--	--	6.7
\$15,000 to \$19,999	8.9	Q	8.9	Q	--	1.6	7.3	7.6
\$20,000 to \$29,999	14.0	Q	14.0	Q	--	Q	5.1	6.5
\$30,000 to \$39,999	13.9	Q	Q	13.9	--	Q	2.1	7.3
\$40,000 to \$49,999	13.2	Q	Q	13.2	Q	Q	0.6	9.9
\$50,000 to \$74,999	21.7	Q	Q	Q	21.7	Q	Q	5.2
\$75,000 to \$99,999	8.1	Q	Q	Q	8.1	Q	Q	8.9
\$100,000 or More	8.6	Q	Q	Q	8.6	Q	Q	9.0
Income Relative to Poverty Line								
Below 100 Percent	15.0	13.2	1.8	Q	Q	15.0	15.0	6.0
100 to 150 Percent	11.5	5.5	5.3	0.6	Q	Q	11.5	7.5
Above 150 Percent	80.5	Q	15.8	26.5	38.3	Q	7.4	3.4
Eligible for Federal Assistance¹								
Yes	33.8	18.7	12.4	2.7	Q	15.0	33.8	4.7
No	73.2	Q	10.5	24.4	38.3	Q	Q	3.4
Age of Householder								
Under 25 Years	6.1	1.6	1.9	1.7	1.0	1.4	2.8	12.7
25 to 34 Years	16.8	2.1	3.7	5.1	5.9	1.9	5.1	7.5
35 to 44 Years	22.3	2.5	3.6	5.8	10.4	2.9	5.9	6.7
45 to 54 Years	20.7	2.4	3.2	5.2	9.9	2.2	4.5	7.6
55 to 64 Years	14.5	2.2	2.8	3.3	6.2	1.7	3.7	8.6
65 to 74 Years	12.6	3.2	3.9	3.0	2.5	2.2	5.1	8.6
75 Years or More	11.2	4.4	3.2	2.1	1.5	2.3	6.0	9.1
No answer/refused	2.6	0.2	0.6	0.8	0.9	0.3	0.6	20.2
Race of Householder								
Non-Hispanic	96.8	15.9	19.9	24.7	36.3	12.1	28.3	3.5
Non-Hispanic White	78.7	11.2	16.4	20.2	31.0	7.7	20.4	3.9
Non-Hispanic Black	12.7	3.7	2.7	3.1	3.3	3.3	5.7	9.3
Multi-racial ²	0.9	Q	Q	0.3	0.3	Q	0.3	35.4
Other ³	4.5	0.9	0.7	1.1	1.8	0.9	1.9	16.5
Hispanic	10.2	2.8	3.0	2.4	2.0	2.8	5.5	10.8

See footnotes at end of table.

Table HC2-3a. Household Characteristics by Household Income, Million U.S. Households, 2001 (Continued)

Household 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	
Household Owns or Has Regular Use of a Motor Vehicle								
No	11.6	6.5	2.8	1.3	1.0	5.2	8.3	8.9
Yes	95.4	12.2	20.0	25.8	37.3	9.8	25.5	3.6
1 Vehicle	36.0	9.0	11.1	9.1	6.8	6.9	14.3	5.4
2 Vehicles	40.1	2.5	6.5	11.9	19.2	2.0	8.0	5.8
3 Vehicles	13.9	0.6	1.8	3.4	8.2	0.6	2.4	9.5
4 or More Vehicles	5.3	Q	0.6	1.3	3.2	0.3	0.8	14.8

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.

-- = Data not applicable.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC2-4a. Household Characteristics by Type of Housing Unit,
Million U.S. Households, 2001**

Household Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Total	107.0	73.7	9.5	17.0	6.8	4.3
Household Size						
1 Person	28.2	15.0	3.3	7.9	1.9	5.9
2 Persons	35.1	25.9	3.0	4.6	1.7	6.4
3 Persons	17.0	11.6	1.6	2.2	1.7	8.7
4 Persons	15.6	12.4	0.9	1.4	0.8	10.1
5 Persons	7.1	5.4	0.4	0.7	0.5	16.2
6 or More Persons	4.0	3.3	0.3	0.2	0.2	18.1
2001 Household Income Category						
Less than \$9,999	11.0	4.6	1.8	3.8	0.9	11.1
\$10,000 to \$14,999	7.7	4.0	0.9	2.0	0.8	11.3
\$15,000 to \$19,999	8.9	4.8	1.0	1.9	1.1	11.2
\$20,000 to \$29,999	14.0	8.6	1.6	2.2	1.6	9.1
\$30,000 to \$39,999	13.9	9.1	1.6	2.4	0.9	9.4
\$40,000 to \$49,999	13.2	10.2	1.0	1.5	0.6	11.7
\$50,000 to \$74,999	21.7	17.5	1.3	2.1	0.7	9.0
\$75,000 to \$99,999	8.1	7.2	Q	0.6	Q	15.4
\$100,000 or More	8.6	7.6	0.3	0.5	Q	17.1
Income Relative to Poverty Line						
Below 100 Percent	15.0	6.7	2.3	4.5	1.5	9.5
100 to 150 Percent	11.5	6.6	1.3	2.4	1.1	9.7
Above 150 Percent	80.5	60.4	5.9	10.0	4.2	4.5
Eligible for Federal Assistance¹						
Yes	33.8	17.8	4.3	8.3	3.3	6.7
No	73.2	55.9	5.2	8.7	3.5	5.0
Age of Householder						
Under 25 Years	6.1	1.9	1.4	2.3	0.5	13.1
25 to 34 Years	16.8	10.0	2.1	3.3	1.4	8.9
35 to 44 Years	22.3	15.7	1.9	3.1	1.6	7.3
45 to 54 Years	20.7	16.2	1.5	1.9	1.0	8.4
55 to 64 Years	14.5	11.3	1.2	1.3	0.7	9.5
65 to 74 Years	12.6	9.4	0.6	2.0	0.6	11.2
75 Years or More	11.2	7.3	0.7	2.5	0.8	11.2
No answer/refused	2.6	1.9	Q	0.5	Q	23.1
Race of Householder						
Non-Hispanic	96.8	68.4	8.2	14.0	6.1	4.7
Non-Hispanic White	78.7	57.3	6.0	9.9	5.5	4.7
Non-Hispanic Black	12.7	7.8	1.9	2.4	0.5	11.3
Multi-racial ²	0.9	0.6	Q	Q	Q	47.7
Other ³	4.5	2.6	0.3	1.5	Q	19.0
Hispanic	10.2	5.3	1.2	3.0	0.7	13.6

See footnotes at end of table.

**Table HC2-4a. Household Characteristics by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Household Characteristics	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Household Owns or Has Regular Use of a Motor Vehicle						
No	11.6	4.1	2.1	4.8	0.6	10.1
Yes	95.4	69.6	7.4	12.2	6.2	4.8
1 Vehicle	36.0	20.5	4.5	8.2	2.9	6.6
2 Vehicles	40.1	31.9	2.4	3.4	2.5	6.6
3 Vehicles	13.9	12.3	0.4	0.5	0.7	10.7
4 or More Vehicles	5.3	4.9	Q	Q	0.2	14.8

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.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC2-5a. Household Characteristics by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001

Household Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.0	2.9	1.3	
Total Owner-Occupied Units	72.7	63.2	2.1	1.8	5.7	6.7
Household Size						
1 Person	15.8	12.5	0.8	0.9	1.6	10.3
2 Persons	25.9	23.4	0.5	0.5	1.5	10.1
3 Persons	11.6	9.6	0.5	Q	1.3	12.1
4 Persons	11.8	10.9	Q	Q	0.7	15.7
5 Persons	5.1	4.5	Q	Q	0.4	24.2
6 or More Persons	2.5	2.3	Q	Q	Q	29.2
2001 Household Income Category						
Less than \$9,999	3.7	2.8	Q	Q	0.7	25.9
\$10,000 to \$14,999	3.7	3.0	Q	Q	0.6	21.0
\$15,000 to \$19,999	5.3	3.9	0.3	Q	0.9	17.6
\$20,000 to \$29,999	8.9	7.0	0.3	Q	1.4	14.1
\$30,000 to \$39,999	9.1	7.7	0.4	0.2	0.7	14.7
\$40,000 to \$49,999	9.7	8.6	0.3	0.3	0.6	16.0
\$50,000 to \$74,999	17.5	16.0	0.5	0.4	0.7	13.0
\$75,000 to \$99,999	7.0	6.7	Q	Q	Q	19.1
\$100,000 or More	7.8	7.4	Q	Q	Q	20.3
Income Relative to Poverty Line						
Below 100 Percent	5.2	3.9	Q	Q	1.1	21.9
100 to 150 Percent	6.4	5.2	0.2	Q	0.9	16.5
Above 150 Percent	61.2	54.2	1.7	1.6	3.7	7.2
Eligible for Federal Assistance¹						
Yes	16.3	12.8	0.6	0.3	2.6	13.0
No	56.4	50.4	1.5	1.4	3.1	7.6
Age of Householder						
Under 25 Years	1.6	1.0	Q	Q	0.4	29.4
25 to 34 Years	8.6	7.2	Q	Q	1.0	18.6
35 to 44 Years	15.0	13.1	0.5	Q	1.3	11.1
45 to 54 Years	15.7	14.2	0.4	Q	0.9	12.7
55 to 64 Years	11.9	10.5	0.4	0.3	0.7	13.0
65 to 74 Years	10.0	8.9	0.2	0.4	0.6	16.0
75 Years or More	8.3	6.8	0.3	0.5	0.7	15.5
No answer/refused	1.6	1.5	Q	Q	Q	34.9
Race of Householder						
Non-Hispanic	67.9	59.2	1.8	1.6	5.3	6.9
Non-Hispanic White	58.6	51.0	1.4	1.4	4.8	7.8
Non-Hispanic Black	6.6	5.7	0.3	Q	0.5	19.0
Multi-racial ²	0.4	0.4	Q	Q	Q	78.3
Other ³	2.3	2.0	Q	Q	Q	40.2
Hispanic	4.9	4.0	0.3	Q	0.4	28.3

See footnotes at end of table.

Table HC2-5a. Household Characteristics by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Household Characteristics	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.0	2.9	1.3	
Household Owns or Has Regular Use of a Motor Vehicle						
No	3.9	2.9	0.2	0.3	0.4	16.6
Yes	68.9	60.3	1.9	1.5	5.2	7.0
1 Vehicle	20.6	16.1	1.1	1.0	2.3	10.3
2 Vehicles	31.4	28.4	0.5	0.4	2.1	10.1
3 Vehicles	12.2	11.4	0.2	Q	0.6	14.0
4 or More Vehicles	4.7	4.4	Q	Q	0.2	20.8

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.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC2-6a. Household Characteristics by Type of Rented Housing Unit,
Million U.S. Households, 2001**

Household 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:	0.5	0.8	1.1	0.9	2.5	
Total Rented Units	34.3	10.5	7.4	15.2	1.1	6.9
Household Size						
1 Person	12.3	2.5	2.6	7.0	0.3	10.0
2 Persons	9.2	2.5	2.5	4.1	Q	11.8
3 Persons	5.4	2.0	1.1	2.0	0.4	13.9
4 Persons	3.8	1.6	0.7	1.4	Q	17.7
5 Persons	2.0	0.9	0.4	0.6	Q	24.1
6 or More Persons	1.5	1.0	0.2	Q	Q	23.0
2001 Household Income Category						
Less than \$9,999	7.4	1.8	1.7	3.6	0.2	13.4
\$10,000 to \$14,999	4.0	1.0	0.8	1.9	0.2	16.7
\$15,000 to \$19,999	3.6	0.9	0.7	1.7	Q	19.2
\$20,000 to \$29,999	5.1	1.6	1.3	1.9	0.2	14.9
\$30,000 to \$39,999	4.8	1.3	1.1	2.2	Q	15.4
\$40,000 to \$49,999	3.5	1.5	0.7	1.2	Q	20.3
\$50,000 to \$74,999	4.1	1.5	0.8	1.8	Q	14.9
\$75,000 to \$99,999	1.1	0.5	Q	0.5	Q	26.1
\$100,000 or More	0.8	Q	0.2	0.4	Q	39.7
Income Relative to Poverty Line						
Below 100 Percent	9.8	2.8	2.1	4.4	0.5	11.6
100 to 150 Percent	5.1	1.4	1.1	2.3	Q	14.2
Above 150 Percent	19.4	6.2	4.2	8.5	0.4	8.9
Eligible for Federal Assistance¹						
Yes	17.5	5.0	3.8	8.0	0.7	9.2
No	16.8	5.5	3.7	7.2	0.4	9.9
Age of Householder						
Under 25 Years	4.5	0.9	1.3	2.2	Q	16.7
25 to 34 Years	8.2	2.8	1.9	3.1	0.4	12.5
35 to 44 Years	7.3	2.6	1.4	3.0	0.3	12.4
45 to 54 Years	5.1	2.1	1.2	1.7	Q	15.4
55 to 64 Years	2.6	0.8	0.7	1.0	Q	19.7
65 to 74 Years	2.6	0.5	0.5	1.6	Q	23.1
75 Years or More	3.0	0.5	0.4	2.0	Q	21.6
No answer/refused	0.9	0.3	Q	0.5	Q	45.2
Race of Householder						
Non-Hispanic	29.0	9.2	6.5	12.5	0.9	7.8
Non-Hispanic White	20.1	6.3	4.6	8.5	0.8	8.7
Non-Hispanic Black	6.1	2.1	1.6	2.4	Q	15.3
Multi-racial ²	0.4	Q	Q	Q	Q	54.2
Other ³	2.2	0.6	0.2	1.4	Q	24.2
Hispanic	5.3	1.3	0.9	2.8	0.3	15.7

See footnotes at end of table.

Table HC2-6a. Household Characteristics by Type of Rented Housing Unit, Million U.S. Households, 2001 (Continued)

Household 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:	0.5	0.8	1.1	0.9	2.5	
Household Owns or Has Regular Use of a Motor Vehicle						
No	7.8	1.2	1.9	4.5	Q	13.7
Yes	26.5	9.3	5.5	10.7	1.0	7.8
1 Vehicle	15.4	4.5	3.3	7.1	0.5	9.7
2 Vehicles	8.7	3.4	1.9	3.0	0.4	12.7
3 Vehicles	1.8	0.9	0.2	0.5	Q	24.7
4 or More Vehicles	0.6	0.5	Q	Q	Q	28.8

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.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC2-7a. Household Characteristics by Four Most Populated States, Million U.S. Households, 2001

Household Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.5	1.5	
Total	107.0	7.1	12.3	7.7	6.3	NE
Household Size						
1 Person	28.2	2.2	2.4	1.8	1.7	7.3
2 Persons	35.1	2.2	4.0	2.4	2.0	6.9
3 Persons	17.0	1.1	2.0	1.2	1.2	9.5
4 Persons	15.6	0.8	1.9	1.3	0.9	11.2
5 Persons	7.1	0.4	1.1	0.4	0.5	19.8
6 or More Persons	4.0	0.4	0.9	0.4	0.1	16.4
2001 Household Income Category						
Less than \$9,999	11.0	0.6	1.0	0.8	0.4	17.4
\$10,000 to \$14,999	7.7	0.6	0.8	0.6	0.3	15.6
\$15,000 to \$19,999	8.9	0.8	1.2	0.9	0.4	16.7
\$20,000 to \$29,999	14.0	0.8	1.2	0.9	0.8	15.8
\$30,000 to \$39,999	13.9	0.8	1.6	0.7	0.9	10.7
\$40,000 to \$49,999	13.2	0.8	1.5	0.8	1.0	15.4
\$50,000 to \$74,999	21.7	1.4	2.5	1.5	1.6	9.3
\$75,000 to \$99,999	8.1	0.5	1.3	0.5	0.5	17.1
\$100,000 or More	8.6	0.8	1.3	0.8	0.4	16.5
Income Relative to Poverty Line						
Below 100 Percent	15.0	0.9	1.9	1.0	0.6	14.6
100 to 150 Percent	11.5	0.9	1.1	1.2	0.5	11.5
Above 150 Percent	80.5	5.3	9.3	5.5	5.2	2.6
Eligible for Federal Assistance¹						
Yes	33.8	2.5	3.6	2.5	1.4	6.8
No	73.2	4.6	8.8	5.1	5.0	2.9
Age of Householder						
Under 25 Years	6.1	0.2	0.8	0.4	0.3	19.6
25 to 34 Years	16.8	1.0	2.0	1.2	0.9	10.6
35 to 44 Years	22.3	1.6	3.0	1.6	1.2	8.4
45 to 54 Years	20.7	1.1	2.5	1.9	1.3	8.1
55 to 64 Years	14.5	1.0	1.4	1.0	1.2	11.3
65 to 74 Years	12.6	0.9	1.3	0.6	0.9	13.0
75 Years or More	11.2	0.9	1.2	0.6	0.4	14.2
No answer/refused	2.6	0.4	0.3	0.4	0.1	21.3
Race of Householder						
Non-Hispanic	96.8	6.1	9.4	6.2	5.4	3.4
Non-Hispanic White	78.7	4.8	6.9	4.8	4.5	3.5
Non-Hispanic Black	12.7	0.8	0.9	1.0	0.7	15.7
Multi-racial ²	0.9	0.1	Q	Q	Q	31.3
Other ³	4.5	0.4	1.6	0.4	Q	18.6
Hispanic	10.2	1.0	2.9	1.4	0.9	17.0

See footnotes at end of table.

Table HC2-7a. Household Characteristics by Four Most Populated States, Million U.S. Households, 2001 (Continued)

Household Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.5	1.5	
Household Owns or Has Regular Use of a Motor Vehicle						
No	11.6	1.9	1.2	0.9	0.3	13.3
Yes	95.4	5.2	11.2	6.7	6.1	1.7
1 Vehicle	36.0	2.6	4.1	2.5	2.4	5.7
2 Vehicles	40.1	1.9	4.9	2.8	2.8	6.4
3 Vehicles	13.9	0.6	1.4	1.0	0.7	8.9
4 or More Vehicles	5.3	0.1	0.7	0.4	0.2	18.4

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.

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. • 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 HC2-8a. Household Characteristics by Urban/Rural Location,
Million U.S. Households, 2001**

Household Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Total	107.0	49.9	18.0	21.2	17.9	4.1
Household Size						
1 Person	28.2	14.6	5.3	4.8	3.6	6.4
2 Persons	35.1	15.7	5.7	6.9	6.8	5.4
3 Persons	17.0	7.6	2.8	3.5	3.1	7.2
4 Persons	15.6	6.8	2.3	4.1	2.4	8.1
5 Persons	7.1	3.1	1.3	1.3	1.4	12.3
6 or More Persons	4.0	2.1	0.7	0.6	0.6	14.7
2001 Household Income Category						
Less than \$9,999	11.0	6.8	1.8	1.0	1.4	11.8
\$10,000 to \$14,999	7.7	4.0	1.8	0.7	1.2	11.2
\$15,000 to \$19,999	8.9	4.3	1.8	1.2	1.6	10.5
\$20,000 to \$29,999	14.0	6.8	2.6	2.0	2.6	9.6
\$30,000 to \$39,999	13.9	6.7	2.2	2.4	2.6	8.4
\$40,000 to \$49,999	13.2	5.9	2.3	2.5	2.5	9.3
\$50,000 to \$74,999	21.7	9.7	3.0	5.1	3.8	7.3
\$75,000 to \$99,999	8.1	3.0	1.3	2.7	1.1	11.4
\$100,000 or More	8.6	2.5	1.2	3.6	1.2	12.2
Income Relative to Poverty Line						
Below 100 Percent	15.0	8.8	2.8	1.4	2.0	10.4
100 to 150 Percent	11.5	5.7	2.4	1.2	2.2	9.2
Above 150 Percent	80.5	35.4	12.8	18.6	13.7	3.8
Eligible for Federal Assistance²						
Yes	33.8	18.2	6.6	3.8	5.2	6.8
No	73.2	31.7	11.4	17.4	12.7	4.1
Age of Householder						
Under 25 Years	6.1	3.8	1.1	0.6	0.7	13.9
25 to 34 Years	16.8	8.5	2.6	3.2	2.6	8.3
35 to 44 Years	22.3	10.0	3.5	4.9	3.9	6.5
45 to 54 Years	20.7	8.7	3.6	4.8	3.7	6.8
55 to 64 Years	14.5	6.3	2.2	2.9	3.0	8.4
65 to 74 Years	12.6	5.7	2.5	2.5	2.0	8.8
75 Years or More	11.2	5.4	2.1	2.0	1.8	8.7
No answer/refused	2.6	1.5	0.3	0.4	0.3	18.6
Race of Householder						
Non-Hispanic	96.8	42.8	16.8	20.0	17.2	4.4
Non-Hispanic White	78.7	30.8	14.9	16.8	16.1	4.2
Non-Hispanic Black	12.7	8.4	1.1	2.5	0.8	14.7
Multi-racial ³	0.9	0.5	0.1	Q	0.2	32.5
Other ⁴	4.5	3.0	0.7	0.7	0.1	18.5
Hispanic	10.2	7.0	1.2	1.2	0.7	13.4

See footnotes at end of table.

Table HC2-8a. Household Characteristics by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Household Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Household Owns or Has Regular Use of a Motor Vehicle						
No	11.6	7.8	1.6	1.3	1.0	11.4
Yes	95.4	42.1	16.4	20.0	16.9	4.2
1 Vehicle	36.0	18.7	6.6	6.4	4.4	6.0
2 Vehicles	40.1	16.9	6.5	9.1	7.7	5.3
3 Vehicles	13.9	5.0	2.3	3.3	3.3	7.7
4 or More Vehicles	5.3	1.5	1.0	1.2	1.6	12.0

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

² Below 150 percent of poverty line or 60 percent of median State income.

³ Respondents could select one or more race categories to describe themselves.

⁴ Includes Native American, Native Alaskan, Asian, and Pacific Islander households.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC2-9a. Household Characteristics by Northeast Census Region,
Million U.S. Households, 2001**

Household 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	1.5	
Total	107.0	20.3	14.8	5.4	NE
Household Size					
1 Person	28.2	6.0	4.4	1.6	3.5
2 Persons	35.1	6.8	5.0	1.8	4.4
3 Persons	17.0	3.2	2.3	0.9	5.9
4 Persons	15.6	2.5	1.8	0.8	8.0
5 Persons	7.1	1.1	0.8	0.2	16.1
6 or More Persons	4.0	0.8	0.6	0.1	13.1
2001 Household Income Category					
Less than \$9,999	11.0	2.0	1.6	0.4	13.4
\$10,000 to \$14,999	7.7	1.3	1.0	0.3	10.3
\$15,000 to \$19,999	8.9	1.9	1.6	0.3	12.5
\$20,000 to \$29,999	14.0	2.3	1.6	0.8	8.2
\$30,000 to \$39,999	13.9	2.4	1.8	0.6	10.1
\$40,000 to \$49,999	13.2	2.5	1.7	0.7	9.9
\$50,000 to \$74,999	21.7	4.4	2.9	1.4	6.3
\$75,000 to \$99,999	8.1	1.6	1.3	0.3	13.8
\$100,000 or More	8.6	1.9	1.4	0.5	11.6
Income Relative to Poverty Line					
Below 100 Percent	15.0	2.6	2.0	0.6	11.2
100 to 150 Percent	11.5	1.9	1.5	0.4	6.2
Above 150 Percent	80.5	15.7	11.3	4.5	1.8
Eligible for Federal Assistance¹					
Yes	33.8	6.8	5.2	1.6	5.8
No	73.2	13.4	9.6	3.8	2.8
Age of Householder					
Under 25 Years	6.1	1.0	0.7	0.3	13.4
25 to 34 Years	16.8	2.6	1.7	0.8	11.7
35 to 44 Years	22.3	4.2	3.1	1.1	6.4
45 to 54 Years	20.7	3.7	2.5	1.1	5.5
55 to 64 Years	14.5	2.9	2.1	0.8	8.0
65 to 74 Years	12.6	2.6	2.0	0.6	8.8
75 Years or More	11.2	2.7	2.2	0.6	9.0
No answer/refused	2.6	0.7	0.6	Q	20.0
Race of Householder					
Non-Hispanic	96.8	18.6	13.5	5.1	1.5
Non-Hispanic White	78.7	15.5	11.1	4.5	2.2
Non-Hispanic Black	12.7	2.0	1.7	0.3	14.6
Multi-racial ²	0.9	Q	Q	Q	43.1
Other ³	4.5	0.9	0.6	0.2	18.2
Hispanic	10.2	1.7	1.3	0.3	17.7

See footnotes at end of table.

Table HC2-9a. Household Characteristics by Northeast Census Region, Million U.S. Households, 2001 (Continued)

Household 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	1.5	
Household Owns or Has Regular Use of a Motor Vehicle					
No	11.6	3.5	3.1	0.5	7.8
Yes	95.4	16.7	11.8	4.9	1.3
1 Vehicle	36.0	7.3	5.4	1.9	6.1
2 Vehicles	40.1	6.4	4.4	2.0	5.1
3 Vehicles	13.9	2.4	1.5	0.9	9.8
4 or More Vehicles	5.3	0.6	0.5	Q	17.4

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.

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.

• 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 HC2-10a. Household Characteristics by Midwest Census Region,
Million U.S. Households, 2001**

Household 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	1.7	
Total	107.0	24.5	17.1	7.4	NE
Household Size					
1 Person	28.2	6.7	4.7	2.0	6.2
2 Persons	35.1	8.0	5.4	2.6	5.0
3 Persons	17.0	3.8	2.7	1.1	7.9
4 Persons	15.6	3.5	2.5	1.0	8.1
5 Persons	7.1	1.7	1.2	0.5	15.6
6 or More Persons	4.0	0.7	0.6	Q	21.1
2001 Household Income Category					
Less than \$9,999	11.0	2.3	1.6	0.7	10.7
\$10,000 to \$14,999	7.7	1.4	0.9	0.5	14.6
\$15,000 to \$19,999	8.9	1.8	1.1	0.7	12.4
\$20,000 to \$29,999	14.0	3.4	2.3	1.1	7.4
\$30,000 to \$39,999	13.9	3.4	2.5	0.9	8.9
\$40,000 to \$49,999	13.2	3.3	2.5	0.8	10.5
\$50,000 to \$74,999	21.7	5.3	3.6	1.6	7.2
\$75,000 to \$99,999	8.1	2.0	1.5	0.5	14.8
\$100,000 or More	8.6	1.6	1.0	0.6	12.6
Income Relative to Poverty Line					
Below 100 Percent	15.0	2.8	1.9	0.9	9.2
100 to 150 Percent	11.5	2.1	1.4	0.7	10.0
Above 150 Percent	80.5	19.5	13.8	5.8	2.2
Eligible for Federal Assistance¹					
Yes	33.8	7.4	5.2	2.2	6.7
No	73.2	17.1	11.9	5.2	3.0
Age of Householder					
Under 25 Years	6.1	1.5	1.1	0.4	15.8
25 to 34 Years	16.8	4.0	2.8	1.3	7.1
35 to 44 Years	22.3	5.2	3.7	1.6	5.4
45 to 54 Years	20.7	4.6	3.2	1.3	5.6
55 to 64 Years	14.5	3.2	2.1	1.1	7.6
65 to 74 Years	12.6	2.8	2.0	0.8	10.6
75 Years or More	11.2	2.7	1.7	0.9	10.7
No answer/refused	2.6	0.4	0.4	Q	25.3
Race of Householder					
Non-Hispanic	96.8	23.7	16.4	7.2	1.1
Non-Hispanic White	78.7	20.8	14.2	6.7	1.6
Non-Hispanic Black	12.7	2.1	1.8	0.3	10.5
Multi-racial ²	0.9	Q	Q	Q	45.7
Other ³	4.5	0.5	0.3	Q	28.0
Hispanic	10.2	0.8	0.7	0.2	22.9

See footnotes at end of table.

Table HC2-10a. Household Characteristics by Midwest Census Region, Million U.S. Households, 2001 (Continued)

Household 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	1.7	
Household Owns or Has Regular Use of a Motor Vehicle					
No	11.6	1.9	1.4	0.5	14.5
Yes	95.4	22.6	15.6	6.9	1.3
1 Vehicle	36.0	8.0	5.6	2.4	7.3
2 Vehicles	40.1	9.7	6.9	2.8	5.7
3 Vehicles	13.9	3.6	2.4	1.2	6.9
4 or More Vehicles	5.3	1.2	0.7	0.5	11.3

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.

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.

• 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 HC2-11a. Household Characteristics by South Census Region,
Million U.S. Households, 2001**

Household 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	0.8	1.1	1.5	1.6	
Total	107.0	38.9	20.3	6.8	11.8	NE
Household Size						
1 Person	28.2	9.9	5.0	1.8	3.1	6.3
2 Persons	35.1	13.0	6.7	2.5	3.8	4.2
3 Persons	17.0	6.6	3.7	1.2	1.7	8.8
4 Persons	15.6	6.0	3.3	0.8	1.9	10.7
5 Persons	7.1	2.3	1.3	0.3	0.7	15.2
6 or More Persons	4.0	1.1	0.5	0.2	0.5	17.5
2001 Household Income Category						
Less than \$9,999	11.0	4.6	2.1	1.1	1.4	13.2
\$10,000 to \$14,999	7.7	3.0	1.4	0.7	0.9	10.8
\$15,000 to \$19,999	8.9	3.2	1.3	0.5	1.4	12.9
\$20,000 to \$29,999	14.0	5.2	2.5	1.1	1.6	11.2
\$30,000 to \$39,999	13.9	4.8	2.6	0.8	1.3	9.6
\$40,000 to \$49,999	13.2	4.7	2.7	0.8	1.2	11.8
\$50,000 to \$74,999	21.7	7.9	4.7	1.1	2.1	7.8
\$75,000 to \$99,999	8.1	2.4	1.2	0.3	0.8	12.4
\$100,000 or More	8.6	3.2	1.7	0.4	1.1	16.4
Income Relative to Poverty Line						
Below 100 Percent	15.0	6.0	2.7	1.3	1.9	11.3
100 to 150 Percent	11.5	4.7	2.2	0.9	1.6	10.0
Above 150 Percent	80.5	28.3	15.4	4.6	8.3	3.0
Eligible for Federal Assistance¹						
Yes	33.8	12.1	5.9	2.3	3.9	6.7
No	73.2	26.8	14.4	4.5	7.9	3.1
Age of Householder						
Under 25 Years	6.1	2.2	1.1	0.5	0.6	15.0
25 to 34 Years	16.8	6.2	3.2	1.1	1.8	9.0
35 to 44 Years	22.3	7.8	4.2	1.3	2.3	5.5
45 to 54 Years	20.7	8.2	4.1	1.3	2.8	7.5
55 to 64 Years	14.5	5.9	3.4	0.8	1.7	10.0
65 to 74 Years	12.6	4.6	2.5	1.0	1.1	8.5
75 Years or More	11.2	3.2	1.4	0.6	1.2	11.1
No answer/refused	2.6	0.9	Q	0.2	0.4	20.5
Race of Householder						
Non-Hispanic	96.8	35.8	18.9	6.7	10.2	1.9
Non-Hispanic White	78.7	27.2	13.8	5.7	7.7	3.3
Non-Hispanic Black	12.7	7.4	4.6	0.9	1.9	10.5
Multi-racial ²	0.9	0.3	Q	Q	Q	50.6
Other ³	4.5	0.9	0.4	Q	0.5	20.6
Hispanic	10.2	3.2	1.4	Q	1.6	18.5

See footnotes at end of table.

**Table HC2-11a. Household Characteristics by South Census Region,
Million U.S. Households, 2001 (Continued)**

Household 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	0.8	1.1	1.5	1.6	
Household Owns or Has Regular Use of a Motor Vehicle						
No	11.6	3.7	1.8	0.5	1.4	10.3
Yes	95.4	35.2	18.5	6.3	10.4	1.3
1 Vehicle	36.0	12.9	6.2	2.5	4.2	4.4
2 Vehicles	40.1	15.3	8.6	2.5	4.1	4.0
3 Vehicles	13.9	5.0	2.8	0.8	1.4	7.6
4 or More Vehicles	5.3	2.0	0.9	0.5	0.6	13.0

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.

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. • 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 HC2-12a. Household Characteristics by West Census Region,
Million U.S. Households, 2001**

Household Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.8	1.1	
Total	107.0	23.3	6.7	16.6	NE
Household Size					
1 Person	28.2	5.6	1.8	3.8	5.4
2 Persons	35.1	7.3	1.9	5.5	4.9
3 Persons	17.0	3.5	0.9	2.6	7.6
4 Persons	15.6	3.5	1.1	2.4	6.4
5 Persons	7.1	2.0	0.6	1.4	9.7
6 or More Persons	4.0	1.4	0.4	1.0	11.4
2001 Household Income Category					
Less than \$9,999	11.0	2.1	0.7	1.4	14.4
\$10,000 to \$14,999	7.7	2.0	0.6	1.3	12.5
\$15,000 to \$19,999	8.9	2.0	0.6	1.4	9.7
\$20,000 to \$29,999	14.0	3.1	1.4	1.7	8.2
\$30,000 to \$39,999	13.9	3.3	1.2	2.1	7.7
\$40,000 to \$49,999	13.2	2.7	0.8	1.9	9.6
\$50,000 to \$74,999	21.7	4.1	0.8	3.3	7.7
\$75,000 to \$99,999	8.1	2.1	0.3	1.8	12.1
\$100,000 or More	8.6	1.8	0.3	1.5	13.7
Income Relative to Poverty Line					
Below 100 Percent	15.0	3.6	1.1	2.4	11.4
100 to 150 Percent	11.5	2.7	1.0	1.7	9.1
Above 150 Percent	80.5	17.0	4.6	12.4	2.4
Eligible for Federal Assistance¹					
Yes	33.8	7.5	2.5	5.0	6.4
No	73.2	15.8	4.2	11.6	3.1
Age of Householder					
Under 25 Years	6.1	1.5	0.6	0.9	14.8
25 to 34 Years	16.8	4.1	1.5	2.5	7.6
35 to 44 Years	22.3	5.1	1.4	3.7	5.1
45 to 54 Years	20.7	4.3	1.1	3.2	8.4
55 to 64 Years	14.5	2.5	0.6	1.9	10.0
65 to 74 Years	12.6	2.6	0.7	1.9	9.6
75 Years or More	11.2	2.6	0.6	2.0	10.3
No answer/refused	2.6	0.6	Q	0.4	19.6
Race of Householder					
Non-Hispanic	96.8	18.8	5.4	13.4	2.5
Non-Hispanic White	78.7	15.2	5.0	10.2	3.2
Non-Hispanic Black	12.7	1.2	0.2	1.0	12.5
Multi-racial ²	0.9	0.2	Q	0.2	33.6
Other ³	4.5	2.2	0.2	2.0	18.3
Hispanic	10.2	4.5	1.3	3.2	11.7

See footnotes at end of table.

Table HC2-12a. Household Characteristics by West Census Region, Million U.S. Households, 2001 (Continued)

Household Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.8	1.1	
Household Owns or Has Regular Use of a Motor Vehicle					
No	11.6	2.5	0.6	1.8	10.5
Yes	95.4	20.9	6.1	14.7	1.2
1 Vehicle	36.0	7.8	2.4	5.4	5.6
2 Vehicles	40.1	8.6	2.3	6.4	5.2
3 Vehicles	13.9	2.9	1.0	1.9	8.2
4 or More Vehicles	5.3	1.5	0.5	1.0	14.6

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.

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.

• 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.

2001 Housing Characteristics Tables

Space Heating Tables

(Million U.S. Households; 24 pages, 132 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 HC3-1a. Space Heating by Climate Zone,
Million 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	1.6	1.1	1.1	1.1	1.0	
Total	107.0	9.2	28.6	24.0	21.0	24.1	8.2
Heat Home	106.0	9.2	28.6	23.9	20.7	23.6	8.2
Do Not Heat Home	1.0	Q	Q	Q	0.3	0.5	16.0
No Heating Equipment	0.5	Q	Q	Q	Q	0.4	31.3
Have Equipment But Do Not Use It	0.4	Q	Q	Q	0.2	Q	31.0
Main Heating Fuel and Equipment							
(Have and Use Equipment)	106.0	9.2	28.6	23.9	20.7	23.6	8.2
Natural Gas	59.1	4.8	20.2	12.4	11.8	9.8	9.1
Central Warm-Air Furnace	44.8	3.9	16.1	8.8	8.1	8.0	10.3
For One Housing Unit	43.0	3.7	15.4	8.2	7.8	7.9	10.5
For Two or More Units	1.8	Q	0.7	0.6	0.3	Q	29.5
Steam or Hot-Water System	7.9	0.8	3.6	3.1	0.3	Q	16.8
For One Housing Unit	5.1	0.6	2.5	1.8	Q	Q	19.0
For Two or More Units	2.8	Q	1.1	1.3	Q	Q	23.2
Floor, Wall, or Pipeless Furnace	3.1	Q	Q	0.3	2.1	0.5	23.9
Room Heater	2.8	Q	0.2	Q	1.2	1.2	25.1
Other	0.5	Q	Q	Q	Q	Q	56.5
Electricity	30.9	1.2	3.9	6.3	6.9	12.6	11.1
Built-In Electric Units	6.1	0.9	2.3	1.9	0.8	Q	19.3
Central Warm-Air Furnace	12.6	0.2	0.9	1.5	2.3	7.7	15.6
For One Housing Unit	11.8	Q	0.7	1.3	2.3	7.3	17.3
For Two or More Units	0.8	Q	Q	Q	Q	0.4	50.8
Heat Pump	10.4	Q	0.6	2.6	3.3	3.8	19.8
Other	1.8	Q	0.2	Q	0.4	0.8	27.2
Fuel Oil	8.0	1.7	2.7	3.5	Q	Q	16.5
Steam or Hot-Water System	4.4	0.7	1.6	2.1	Q	Q	17.4
For One Housing Unit	3.3	0.6	1.4	1.3	Q	Q	19.9
For Two or More Units	1.1	Q	0.2	0.8	Q	Q	24.7
Central Warm-Air Furnace	3.3	1.0	1.1	1.1	Q	Q	23.8
Other	0.3	Q	Q	Q	Q	Q	56.4
Wood	2.0	0.6	0.3	0.5	0.4	Q	24.4
Heating Stove	1.5	0.4	0.2	0.4	0.3	Q	27.5
Other	0.6	Q	Q	Q	Q	Q	42.6
LPG	4.9	0.8	1.3	1.1	1.0	0.9	28.7
Central Warm-Air Furnace	3.4	0.6	1.1	0.8	0.5	0.4	32.2
Room Heater	1.1	Q	Q	0.2	Q	0.4	39.0
Other	0.5	0.1	Q	Q	Q	Q	37.7
Kerosene	0.8	0.1	Q	Q	0.4	Q	28.6
Other	0.2	Q	Q	Q	Q	Q	93.7
Amount of Heat Provided by Main Heating Equipment							
All or Almost All	96.5	8.2	26.3	22.3	18.0	21.7	8.2
About Three-Fourths	4.3	0.6	1.1	0.6	1.2	0.7	16.9
Closer to One-Half	3.7	0.3	0.8	0.8	1.1	0.7	18.9
Don't Know	1.5	Q	0.4	Q	0.3	0.4	26.1

See footnotes at end of table.

**Table HC3-1a. Space Heating by Climate Zone,
Million 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	1.6	1.1	1.1	1.1	1.0	
Age of Main Heating Equipment							
Less than 2 Years	8.7	0.6	2.1	1.7	1.8	2.5	13.9
2 to 4 Years	13.4	1.1	3.4	3.3	2.7	2.9	12.9
5 to 9 Years	21.4	2.1	5.1	4.4	4.0	5.8	10.6
10 to 19 Years	24.0	2.2	6.4	5.3	4.4	5.6	10.7
20 Years or More	26.5	2.4	8.2	5.7	5.9	4.4	9.5
Don't Know	12.0	0.8	3.4	3.5	1.9	2.4	14.6
Secondary Heating Fuel and Equipment (more than one may apply)							
No	72.1	5.7	19.9	17.0	13.1	16.4	7.1
Yes	33.9	3.5	8.7	6.9	7.5	7.2	10.0
Natural Gas	5.6	0.2	1.5	1.0	1.3	1.6	18.9
Fireplace	3.3	Q	1.2	0.5	0.8	0.6	19.5
Room Heater	1.0	Q	0.2	Q	0.3	0.4	33.4
Central Warm-Air Furnace	0.7	Q	Q	0.4	Q	Q	32.2
Other Equipment	0.7	Q	Q	Q	Q	0.4	42.1
Electricity	15.7	1.6	4.5	3.3	3.2	3.1	11.7
Portable Heater	11.8	1.2	3.4	2.4	2.5	2.3	12.1
Built-in Electric Units	2.4	0.4	0.8	0.5	0.4	0.3	24.5
Heat Pump	1.2	Q	0.4	0.2	0.3	0.3	32.8
Other Equipment	0.6	Q	Q	Q	Q	Q	43.3
Fuel Oil	0.5	Q	Q	Q	Q	Q	50.9
Wood	12.4	1.5	2.8	2.4	3.0	2.8	13.0
Fireplace	9.4	0.8	2.0	1.6	2.5	2.6	12.9
Heating Stove	3.0	0.8	0.9	0.8	0.4	0.2	22.4
Other Equipment	0.3	Q	Q	Q	Q	Q	54.7
LPG	2.0	0.3	0.4	0.3	0.7	0.2	28.3
Kerosene	1.9	0.3	0.5	0.6	0.4	Q	23.4
Other	0.4	Q	Q	Q	Q	Q	48.4

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.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-2a. Space Heating by Year of Construction,
Million 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	1.5	1.1	1.1	1.1	1.1	0.9	
Total	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Heat Home	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.3
Do Not Heat Home	1.0	Q	Q	Q	0.2	0.3	Q	23.2
No Heating Equipment	0.5	Q	Q	Q	0.2	Q	Q	30.3
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	Q	Q	37.8
Main Heating Fuel and Equipment								
(Have and Use Equipment)	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.3
Natural Gas	59.1	8.5	7.3	7.8	8.5	9.2	17.7	6.4
Central Warm-Air Furnace	44.8	8.1	6.6	6.7	6.5	6.9	10.0	7.5
For One Housing Unit	43.0	8.1	6.5	6.5	6.0	6.8	9.2	7.6
For Two or More Units	1.8	Q	Q	0.2	0.5	Q	0.8	29.6
Steam or Hot-Water System	7.9	Q	0.5	0.7	0.9	1.0	4.6	15.7
For One Housing Unit	5.1	Q	0.3	0.3	0.5	0.8	3.2	23.1
For Two or More Units	2.8	Q	0.2	0.4	0.5	0.2	1.4	26.8
Floor, Wall, or Pipeless Furnace	3.1	Q	Q	0.2	0.6	0.7	1.5	19.7
Room Heater	2.8	Q	Q	0.2	0.4	0.6	1.2	22.0
Other	0.5	Q	Q	Q	Q	Q	0.3	45.4
Electricity	30.9	5.5	9.0	8.4	3.0	2.2	2.8	8.2
Built-In Electric Units	6.1	0.8	1.1	2.2	0.7	0.5	0.9	17.2
Central Warm-Air Furnace	12.6	2.2	4.4	3.1	1.2	0.8	0.9	12.9
For One Housing Unit	11.8	2.1	4.1	2.9	1.1	0.7	0.9	13.6
For Two or More Units	0.8	Q	0.4	Q	Q	Q	Q	48.7
Heat Pump	10.4	2.4	3.2	2.8	0.9	0.7	0.4	16.4
Other	1.8	0.2	0.2	0.3	Q	0.3	0.6	27.6
Fuel Oil	8.0	0.2	0.4	0.8	1.1	1.8	3.7	15.8
Steam or Hot-Water System	4.4	0.2	0.2	0.4	0.6	0.8	2.3	17.4
For One Housing Unit	3.3	0.1	0.2	0.4	0.4	0.6	1.5	19.9
For Two or More Units	1.1	Q	Q	Q	Q	Q	0.7	23.2
Central Warm-Air Furnace	3.3	Q	0.2	0.4	0.4	0.9	1.4	22.7
Other	0.3	Q	Q	Q	Q	Q	Q	50.9
Wood	2.0	0.1	0.4	0.5	0.3	0.2	0.5	24.6
Heating Stove	1.5	0.1	0.3	0.3	0.2	Q	0.4	28.3
Other	0.6	Q	Q	Q	Q	Q	0.2	34.0
LPG	4.9	0.8	0.9	0.8	0.6	0.4	1.5	19.3
Central Warm-Air Furnace	3.4	0.7	0.7	0.6	0.3	0.2	0.8	23.4
Room Heater	1.1	Q	Q	Q	Q	Q	0.5	29.2
Other	0.5	Q	Q	Q	Q	Q	0.3	36.8
Kerosene	0.8	Q	Q	0.3	Q	Q	Q	29.3
Other	0.2	Q	Q	Q	Q	Q	Q	84.5
Amount of Heat Provided by Main Heating Equipment								
All or Almost All	96.5	14.4	16.9	16.5	12.3	12.5	23.9	4.6
About Three-Fourths	4.3	0.5	0.4	1.0	0.5	0.7	1.1	16.0
Closer to One-Half	3.7	Q	0.6	0.8	0.5	0.5	1.2	18.0
Don't Know	1.5	0.2	0.3	0.4	0.2	0.2	0.2	27.8

See footnotes at end of table.

**Table HC3-2a. Space Heating by Year of Construction,
Million 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	1.5	1.1	1.1	1.1	1.1	0.9	
Age of Main Heating Equipment								
Less than 2 Years	8.7	2.2	1.3	1.4	1.1	1.2	1.5	12.8
2 to 4 Years	13.4	4.1	1.3	1.9	1.4	1.7	2.8	11.0
5 to 9 Years	21.4	7.1	2.1	2.9	2.1	2.6	4.6	9.0
10 to 19 Years	24.0	1.7	10.2	2.3	2.3	2.7	4.8	8.5
20 Years or More	26.5	Q	1.4	7.6	5.0	4.1	8.4	7.8
Don't Know	12.0	0.2	2.0	2.4	1.7	1.4	4.2	13.0
Secondary Heating Fuel and Equipment (more than one may apply)								
No	72.1	10.3	12.4	12.5	9.2	9.6	18.1	4.8
Yes	33.9	5.1	5.8	6.1	4.4	4.3	8.3	6.6
Natural Gas	5.6	1.4	1.0	0.7	0.5	0.8	1.0	16.9
Fireplace	3.3	1.2	0.6	0.5	0.3	0.3	0.4	19.9
Room Heater	1.0	Q	Q	Q	Q	0.3	0.3	31.7
Central Warm-Air Furnace	0.7	Q	0.2	Q	Q	Q	Q	32.5
Other Equipment	0.7	Q	Q	Q	Q	Q	0.3	47.3
Electricity	15.7	1.5	2.1	2.7	2.0	2.3	5.1	8.7
Portable Heater	11.8	1.1	1.6	1.9	1.5	1.9	3.8	10.0
Built-in Electric Units	2.4	Q	0.3	0.4	0.3	0.3	0.9	23.3
Heat Pump	1.2	Q	Q	0.3	Q	Q	0.3	32.5
Other Equipment	0.6	Q	Q	Q	Q	Q	Q	39.0
Fuel Oil	0.5	Q	Q	Q	Q	Q	Q	45.8
Wood	12.4	1.9	2.6	2.7	1.7	1.5	1.9	10.5
Fireplace	9.4	1.7	2.1	2.0	1.4	1.2	1.1	11.7
Heating Stove	3.0	0.2	0.6	0.7	0.5	0.3	0.8	19.3
Other Equipment	0.3	Q	Q	Q	Q	Q	Q	49.3
LPG	2.0	0.4	0.5	0.4	0.2	Q	0.5	26.1
Kerosene	1.9	0.3	Q	0.3	Q	Q	0.6	22.8
Other	0.4	Q	Q	Q	Q	Q	Q	43.6

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.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-3a. Space Heating by Household Income,
Million 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	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.3
Heat Home	106.0	18.4	22.7	26.8	38.1	14.6	33.4	3.3
Do Not Heat Home	1.0	0.3	Q	0.3	0.3	0.3	0.4	23.4
No Heating Equipment	0.5	Q	Q	Q	0.2	Q	Q	35.0
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	0.2	0.3	22.8
Main Heating Fuel and Equipment								
(Have and Use Equipment)	106.0	18.4	22.7	26.8	38.1	14.6	33.4	3.3
Natural Gas	59.1	9.3	12.4	14.2	23.1	7.7	17.9	5.2
Central Warm-Air Furnace	44.8	5.3	8.9	11.0	19.6	4.2	11.2	6.0
For One Housing Unit	43.0	4.7	8.4	10.7	19.2	3.6	10.3	6.3
For Two or More Units	1.8	0.6	0.5	0.3	0.4	0.6	1.0	22.3
Steam or Hot-Water System	7.9	1.8	1.9	1.8	2.3	1.6	3.6	11.3
For One Housing Unit	5.1	1.1	1.1	1.1	1.9	0.9	2.0	15.7
For Two or More Units	2.8	0.8	0.8	0.7	0.5	0.7	1.5	19.0
Floor, Wall, or Pipeless Furnace	3.1	0.9	0.7	0.9	0.6	0.9	1.4	17.5
Room Heater	2.8	1.1	0.7	0.5	0.6	0.8	1.5	18.4
Other	0.5	0.2	Q	Q	Q	Q	0.3	29.6
Electricity	30.9	6.4	6.8	8.1	9.7	4.9	10.3	7.3
Built-In Electric Units	6.1	2.1	1.3	1.5	1.2	1.5	2.9	13.2
Central Warm-Air Furnace	12.6	2.4	3.3	3.4	3.6	2.0	4.2	11.1
For One Housing Unit	11.8	2.0	3.1	3.2	3.6	1.8	3.7	11.7
For Two or More Units	0.8	0.4	Q	Q	Q	0.3	0.5	36.5
Heat Pump	10.4	1.2	1.6	3.0	4.6	0.8	2.0	17.4
Other	1.8	0.6	0.7	Q	0.4	0.5	1.1	22.3
Fuel Oil	8.0	1.0	1.7	2.2	3.2	0.7	2.3	12.8
Steam or Hot-Water System	4.4	0.5	0.9	1.2	1.8	0.4	1.1	14.8
For One Housing Unit	3.3	0.2	0.5	0.9	1.6	0.2	0.5	17.6
For Two or More Units	1.1	0.3	0.4	0.3	0.2	0.3	0.6	26.1
Central Warm-Air Furnace	3.3	0.4	0.8	0.9	1.2	0.3	1.1	19.9
Other	0.3	Q	Q	Q	Q	Q	Q	43.8
Wood	2.0	0.4	0.3	0.7	0.7	0.3	0.6	20.7
Heating Stove	1.5	0.3	0.3	0.4	0.5	0.3	0.5	23.0
Other	0.6	Q	Q	0.3	0.2	Q	Q	33.8
LPG	4.9	1.0	1.3	1.4	1.2	0.7	1.8	17.2
Central Warm-Air Furnace	3.4	0.4	0.9	1.1	1.0	0.3	1.0	20.3
Room Heater	1.1	0.4	0.4	Q	Q	0.3	0.5	27.2
Other	0.5	Q	Q	Q	Q	Q	0.2	34.8
Kerosene	0.8	0.4	0.3	0.1	Q	0.4	0.6	25.2
Other	0.2	Q	Q	Q	Q	Q	Q	72.8
Amount of Heat Provided by Main Heating Equipment								
All or Almost All	96.5	17.1	21.2	24.2	33.9	13.6	31.0	3.5
About Three-Fourths	4.3	0.5	0.8	1.0	2.0	0.4	1.0	14.1
Closer to One-Half	3.7	0.7	0.6	1.1	1.4	0.6	1.1	17.5
Don't Know	1.5	Q	Q	0.5	0.8	Q	0.2	24.0

See footnotes at end of table.

**Table HC3-3a. Space Heating by Household Income,
Million 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	8.7	1.4	2.0	1.5	3.8	1.2	2.5	10.5
2 to 4 Years	13.4	1.7	3.0	3.4	5.3	1.2	3.7	9.6
5 to 9 Years	21.4	2.5	3.8	5.6	9.5	2.1	5.0	8.4
10 to 19 Years	24.0	3.4	4.1	6.6	9.8	2.5	6.0	7.4
20 Years or More	26.5	5.8	6.5	6.6	7.6	4.5	10.2	6.1
Don't Know	12.0	3.5	3.4	3.0	2.1	3.3	5.9	9.4
Secondary Heating Fuel and Equipment (more than one may apply)								
No	72.1	14.4	17.2	18.3	22.1	11.6	25.7	3.6
Yes	33.9	4.0	5.5	8.5	15.9	3.1	7.7	6.1
Natural Gas	5.6	0.5	0.7	1.2	3.1	0.4	0.9	18.1
Fireplace	3.3	Q	Q	0.7	2.2	Q	0.3	18.5
Room Heater	1.0	Q	0.3	0.3	0.3	Q	Q	28.8
Central Warm-Air Furnace	0.7	Q	Q	0.3	0.4	Q	Q	28.9
Other Equipment	0.7	Q	Q	Q	0.2	Q	0.3	36.5
Electricity	15.7	2.4	2.9	3.9	6.4	1.9	4.4	7.8
Portable Heater	11.8	2.1	2.2	2.8	4.7	1.7	3.7	8.5
Built-in Electric Units	2.4	Q	0.5	0.7	1.1	Q	0.4	18.4
Heat Pump	1.2	Q	Q	0.3	0.7	Q	Q	28.1
Other Equipment	0.6	Q	Q	Q	0.2	Q	0.2	37.0
Fuel Oil	0.5	Q	Q	Q	Q	Q	Q	39.5
Wood	12.4	0.7	1.6	2.9	7.3	0.5	1.7	11.1
Fireplace	9.4	0.4	1.2	2.3	5.6	0.3	1.0	13.0
Heating Stove	3.0	0.3	0.5	0.6	1.7	0.2	0.6	18.4
Other Equipment	0.3	Q	Q	Q	Q	Q	Q	42.4
LPG	2.0	0.3	0.3	0.5	0.9	0.3	0.5	22.0
Kerosene	1.9	0.3	0.3	0.6	0.7	0.3	0.7	20.6
Other	0.4	Q	Q	Q	0.2	Q	Q	37.7

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

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-4a. Space Heating by Type of Housing Unit,
Million 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	0.5	1.5	1.4	1.7	
Total	107.0	73.7	9.5	17.0	6.8	4.4
Heat Home	106.0	73.4	9.4	16.4	6.8	4.5
Do Not Heat Home	1.0	0.3	Q	0.6	Q	19.0
No Heating Equipment	0.5	0.2	Q	0.3	Q	24.2
Have Equipment But Do Not Use It	0.4	Q	Q	0.3	Q	28.1
Main Heating Fuel and Equipment						
(Have and Use Equipment)	106.0	73.4	9.4	16.4	6.8	4.5
Natural Gas	59.1	44.3	5.6	7.1	2.2	6.5
Central Warm-Air Furnace	44.8	36.2	2.9	3.6	2.1	8.2
For One Housing Unit	43.0	36.0	2.4	2.6	2.1	8.9
For Two or More Units	1.8	Q	0.6	1.1	Q	18.6
Steam or Hot-Water System	7.9	3.7	1.8	2.4	Q	13.2
For One Housing Unit	5.1	3.6	1.0	0.5	Q	19.4
For Two or More Units	2.8	Q	0.7	1.9	Q	16.3
Floor, Wall, or Pipeless Furnace	3.1	2.1	0.3	0.6	Q	19.3
Room Heater	2.8	2.1	0.3	0.3	Q	24.1
Other	0.5	Q	0.3	Q	Q	39.6
Electricity	30.9	17.0	3.1	7.9	2.9	9.0
Built-In Electric Units	6.1	2.4	0.9	2.8	Q	15.8
Central Warm-Air Furnace	12.6	5.8	1.4	3.9	1.5	12.8
For One Housing Unit	11.8	5.8	1.3	3.2	1.5	13.8
For Two or More Units	0.8	Q	Q	0.7	Q	34.6
Heat Pump	10.4	7.8	0.7	1.0	0.9	20.0
Other	1.8	1.1	Q	0.2	0.4	27.4
Fuel Oil	8.0	5.9	0.6	1.3	0.2	17.3
Steam or Hot-Water System	4.4	3.0	0.4	1.0	Q	15.2
For One Housing Unit	3.3	3.0	0.2	Q	Q	21.7
For Two or More Units	1.1	Q	0.3	0.9	Q	18.6
Central Warm-Air Furnace	3.3	2.7	0.2	Q	0.2	27.6
Other	0.3	0.2	Q	Q	Q	56.7
Wood	2.0	1.9	Q	Q	Q	25.7
Heating Stove	1.5	1.3	Q	Q	Q	29.6
Other	0.6	0.5	Q	Q	Q	37.4
LPG	4.9	3.8	Q	Q	1.0	19.3
Central Warm-Air Furnace	3.4	2.5	Q	Q	0.8	22.5
Room Heater	1.1	0.9	Q	Q	Q	33.6
Other	0.5	0.5	Q	Q	Q	40.6
Kerosene	0.8	0.5	Q	Q	0.3	28.7
Other	0.2	Q	Q	Q	Q	85.1
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	96.5	65.5	8.9	15.8	6.3	4.6
About Three-Fourths	4.3	3.6	0.2	0.2	0.2	18.8
Closer to One-Half	3.7	3.1	Q	0.3	0.2	18.5
Don't Know	1.5	1.2	Q	Q	Q	27.2

See footnotes at end of table.

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

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	0.5	1.5	1.4	1.7	
Age of Main Heating Equipment						
Less than 2 Years	8.7	6.5	0.6	0.7	0.9	12.7
2 to 4 Years	13.4	11.0	0.5	0.9	1.0	13.7
5 to 9 Years	21.4	17.1	1.1	1.7	1.5	9.8
10 to 19 Years	24.0	18.3	2.0	2.1	1.6	9.8
20 Years or More	26.5	17.0	2.7	5.6	1.2	7.5
Don't Know	12.0	3.5	2.5	5.5	0.5	11.3
Secondary Heating Fuel and Equipment (more than one may apply)						
No	72.1	45.2	7.5	14.7	4.7	4.4
Yes	33.9	28.1	1.9	1.8	2.1	8.0
Natural Gas	5.6	4.6	0.3	Q	Q	17.6
Fireplace	3.3	2.6	Q	Q	Q	20.6
Room Heater	1.0	0.9	Q	Q	Q	35.9
Central Warm-Air Furnace	0.7	0.7	Q	Q	Q	35.8
Other Equipment	0.7	0.5	Q	Q	Q	50.2
Electricity	15.7	12.3	1.3	1.1	1.0	9.2
Portable Heater	11.8	9.1	1.0	0.9	0.8	10.1
Built-in Electric Units	2.4	2.1	Q	Q	Q	19.9
Heat Pump	1.2	1.1	Q	Q	Q	32.6
Other Equipment	0.6	0.3	Q	Q	Q	45.1
Fuel Oil	0.5	0.4	Q	Q	Q	46.6
Wood	12.4	11.3	0.3	0.3	0.5	16.7
Fireplace	9.4	8.5	0.3	0.3	0.3	18.1
Heating Stove	3.0	2.9	Q	Q	Q	19.1
Other Equipment	0.3	0.3	Q	Q	Q	49.5
LPG	2.0	1.8	Q	Q	0.3	26.9
Kerosene	1.9	1.6	Q	Q	0.3	23.7
Other	0.4	0.4	Q	Q	Q	44.2

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC3-5a. Space Heating by Type of Owner-Occupied Housing Unit, Million 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	1.9	3.0	1.3	
Total	72.7	63.2	2.1	1.8	5.7	6.7
Heat Home	72.4	63.0	2.0	1.7	5.7	6.7
Do Not Heat Home	0.4	0.2	Q	Q	Q	46.2
No Heating Equipment	0.3	0.2	Q	Q	Q	39.0
Have Equipment But Do Not Use It	Q	Q	Q	Q	Q	NF
Main Heating Fuel and Equipment						
(Have and Use Equipment)	72.4	63.0	2.0	1.7	5.7	6.7
Natural Gas	41.3	37.7	1.1	0.6	1.9	10.2
Central Warm-Air Furnace	34.6	31.8	0.5	0.4	1.8	11.8
For One Housing Unit	34.3	31.7	0.4	0.4	1.8	12.3
For Two or More Units	0.3	Q	Q	Q	Q	87.0
Steam or Hot-Water System	3.9	3.3	0.5	Q	Q	24.7
For One Housing Unit	3.5	3.2	0.3	Q	Q	25.8
For Two or More Units	0.4	Q	Q	Q	Q	90.5
Floor, Wall, or Pipeless Furnace	1.2	1.2	Q	Q	Q	30.9
Room Heater	1.4	1.3	Q	Q	Q	45.5
Other	0.2	Q	Q	Q	Q	93.7
Electricity	18.4	14.6	0.6	0.8	2.4	17.1
Built-In Electric Units	2.3	1.9	Q	0.2	Q	25.1
Central Warm-Air Furnace	7.0	4.8	Q	Q	1.3	22.8
For One Housing Unit	6.9	4.8	Q	Q	1.3	22.8
For Two or More Units	Q	Q	Q	Q	Q	NF
Heat Pump	8.2	7.2	Q	Q	0.8	28.3
Other	0.9	0.7	Q	Q	Q	57.5
Fuel Oil	6.0	5.4	0.3	Q	Q	26.2
Steam or Hot-Water System	3.2	2.8	0.2	Q	Q	26.3
For One Housing Unit	2.9	2.8	Q	Q	Q	29.3
For Two or More Units	0.3	Q	Q	Q	Q	115.5
Central Warm-Air Furnace	2.6	2.4	Q	Q	Q	41.3
Other	0.2	0.2	Q	Q	Q	86.0
Wood	1.7	1.6	Q	Q	Q	38.2
Heating Stove	1.2	1.1	Q	Q	Q	42.3
Other	0.5	0.5	Q	Q	Q	54.1
LPG	4.2	3.3	Q	Q	0.9	26.6
Central Warm-Air Furnace	3.0	2.2	Q	Q	0.8	31.1
Room Heater	0.8	0.7	Q	Q	Q	48.2
Other	0.4	0.4	Q	Q	Q	58.0
Kerosene	0.7	0.4	Q	Q	0.3	42.7
Other	Q	Q	Q	Q	Q	NF
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	65.0	56.3	1.9	1.6	5.2	6.9
About Three-Fourths	3.3	3.0	Q	Q	Q	24.3
Closer to One-Half	2.8	2.6	Q	Q	Q	27.2
Don't Know	1.2	1.1	Q	Q	Q	39.8

See footnotes at end of table.

Table HC3-5a. Space Heating by Type of Owner-Occupied Housing Unit, Million 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	1.9	3.0	1.3	
Age of Main Heating Equipment						
Less than 2 Years	6.5	5.7	Q	Q	0.7	17.6
2 to 4 Years	10.7	9.6	Q	Q	0.9	15.7
5 to 9 Years	17.4	15.5	Q	Q	1.4	11.3
10 to 19 Years	18.9	16.3	0.8	0.4	1.4	13.7
20 Years or More	16.4	14.0	0.7	0.6	1.0	10.9
Don't Know	2.4	1.8	Q	0.2	0.2	23.8
Secondary Heating Fuel and Equipment (more than one may apply)						
No	44.9	38.0	1.7	1.5	3.7	8.1
Yes	27.5	25.0	0.4	0.2	1.9	11.2
Natural Gas	4.5	4.2	Q	Q	Q	24.4
Fireplace	2.6	2.5	Q	Q	Q	30.9
Room Heater	0.8	0.8	Q	Q	Q	47.2
Central Warm-Air Furnace	0.7	0.6	Q	Q	Q	54.2
Other Equipment	0.5	0.3	Q	Q	Q	70.8
Electricity	11.7	10.5	Q	Q	0.9	12.9
Portable Heater	8.5	7.5	Q	Q	0.7	14.1
Built-in Electric Units	2.0	1.8	Q	Q	Q	26.3
Heat Pump	1.1	1.1	Q	Q	Q	47.3
Other Equipment	0.4	0.3	Q	Q	Q	69.7
Fuel Oil	0.5	0.4	Q	Q	Q	64.7
Wood	11.2	10.6	Q	Q	0.4	18.2
Fireplace	8.5	7.9	Q	Q	0.3	20.0
Heating Stove	2.9	2.7	Q	Q	Q	27.1
Other Equipment	0.3	0.3	Q	Q	Q	70.5
LPG	1.8	1.5	Q	Q	0.2	37.6
Kerosene	1.5	1.2	Q	Q	0.3	35.1
Other	0.4	0.3	Q	Q	Q	64.7

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-6a. Space Heating by Type of Rented Housing Unit,
Million 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:	0.5	0.8	1.1	0.9	2.5	
Total	34.3	10.5	7.4	15.2	1.1	6.9
Heat Home	33.7	10.4	7.4	14.8	1.1	6.9
Do Not Heat Home	0.6	Q	Q	0.5	Q	21.4
No Heating Equipment	0.2	Q	Q	Q	Q	84.5
Have Equipment But Do Not Use It	0.4	Q	Q	0.3	Q	36.4
Main Heating Fuel and Equipment						
(Have and Use Equipment)	33.7	10.4	7.4	14.8	1.1	6.9
Natural Gas	17.8	6.5	4.5	6.4	0.3	9.9
Central Warm-Air Furnace	10.3	4.4	2.4	3.2	0.3	13.4
For One Housing Unit	8.7	4.3	1.9	2.2	0.3	14.7
For Two or More Units	1.6	Q	0.4	1.0	Q	26.1
Steam or Hot-Water System	3.9	0.4	1.3	2.2	Q	19.2
For One Housing Unit	1.6	0.4	0.7	0.5	Q	31.7
For Two or More Units	2.3	Q	0.6	1.7	Q	21.7
Floor, Wall, or Pipeless Furnace	1.9	0.9	0.3	0.6	Q	25.6
Room Heater	1.4	0.8	0.3	0.3	Q	30.5
Other	0.3	Q	0.2	Q	Q	52.5
Electricity	12.5	2.4	2.5	7.1	0.6	11.8
Built-In Electric Units	3.8	0.5	0.7	2.6	Q	22.9
Central Warm-Air Furnace	5.7	1.0	1.1	3.4	Q	20.1
For One Housing Unit	4.9	1.0	1.0	2.7	Q	22.6
For Two or More Units	0.7	Q	Q	0.6	Q	43.3
Heat Pump	2.1	0.5	0.6	0.9	Q	32.3
Other	0.9	0.4	Q	0.2	Q	37.5
Fuel Oil	2.0	0.6	0.3	1.1	Q	19.5
Steam or Hot-Water System	1.2	0.2	0.2	0.8	Q	20.9
For One Housing Unit	0.4	0.2	Q	Q	Q	29.9
For Two or More Units	0.9	Q	0.1	0.7	Q	22.5
Central Warm-Air Furnace	0.7	0.3	Q	Q	Q	33.7
Other	Q	Q	Q	Q	Q	NF
Wood	0.3	0.3	Q	Q	Q	42.4
Heating Stove	0.2	0.2	Q	Q	Q	50.7
Other	Q	Q	Q	Q	Q	NF
LPG	0.7	0.5	Q	Q	Q	32.5
Central Warm-Air Furnace	0.4	0.2	Q	Q	Q	47.8
Room Heater	0.3	Q	Q	Q	Q	56.7
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	31.5	9.3	7.0	14.2	1.1	7.3
About Three-Fourths	1.0	0.6	Q	0.2	Q	32.8
Closer to One-Half	0.9	0.5	Q	0.3	Q	30.5
Don't Know	0.3	Q	Q	Q	Q	46.1

See footnotes at end of table.

**Table HC3-6a. Space Heating by Type of Rented Housing Unit,
Million 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:	0.5	0.8	1.1	0.9	2.5	
Age of Main Heating Equipment						
Less than 2 Years	2.2	0.8	0.5	0.7	Q	21.2
2 to 4 Years	2.7	1.4	0.3	0.8	Q	28.0
5 to 9 Years	4.0	1.6	0.9	1.3	Q	20.9
10 to 19 Years	5.1	2.0	1.2	1.7	0.2	17.5
20 Years or More	10.1	3.0	2.0	4.9	Q	11.3
Don't Know	9.6	1.7	2.4	5.2	0.3	13.4
Secondary Heating Fuel and Equipment (more than one may apply)						
No	27.3	7.2	5.9	13.2	1.0	7.7
Yes	6.4	3.2	1.5	1.6	Q	13.7
Natural Gas	1.0	0.4	Q	Q	Q	40.6
Fireplace	0.6	Q	Q	Q	Q	61.5
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	4.0	1.9	1.1	0.9	Q	15.6
Portable Heater	3.3	1.6	0.9	0.7	Q	16.8
Built-in Electric Units	0.5	0.2	Q	Q	Q	47.3
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	1.2	0.7	Q	0.2	Q	33.2
Fireplace	1.0	0.6	Q	0.2	Q	36.3
Heating Stove	0.2	Q	Q	Q	Q	59.0
Other Equipment	Q	Q	Q	Q	Q	NF
LPG	0.3	0.2	Q	Q	Q	45.9
Kerosene	0.4	0.3	Q	Q	Q	41.9
Other	Q	Q	Q	Q	Q	NF

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-7a. Space Heating by Four Most Populated States,
Million 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	107.0	7.1	12.3	7.7	6.3	NE
Heat Home	106.0	7.1	12.0	7.7	6.2	NE
Do Not Heat Home	1.0	Q	0.3	Q	0.1	20.7
No Heating Equipment	0.5	Q	0.1	Q	Q	41.3
Have Equipment But Do Not Use It	0.4	Q	0.2	Q	Q	32.8
Main Heating Fuel and Equipment (Have and Use Equipment)	106.0	7.1	12.0	7.7	6.2	NE
Natural Gas	59.1	4.2	8.9	4.0	1.0	7.5
Central Warm-Air Furnace	44.8	2.1	5.8	3.2	1.0	11.3
For One Housing Unit	43.0	1.8	5.6	3.1	1.0	11.4
For Two or More Units	1.8	0.3	0.2	Q	Q	34.7
Steam or Hot-Water System	7.9	1.9	0.3	Q	Q	11.3
For One Housing Unit	5.1	1.1	0.1	Q	Q	24.0
For Two or More Units	2.8	0.8	Q	Q	Q	25.6
Floor, Wall, or Pipeless Furnace	3.1	Q	1.9	Q	Q	15.5
Room Heater	2.8	Q	0.7	0.5	Q	23.3
Other	0.5	Q	0.2	Q	Q	29.0
Electricity	30.9	0.5	2.3	3.4	5.1	10.0
Built-In Electric Units	6.1	Q	0.4	0.1	Q	25.1
Central Warm-Air Furnace	12.6	Q	0.9	2.4	2.9	14.5
For One Housing Unit	11.8	Q	0.8	2.1	2.9	16.3
For Two or More Units	0.8	Q	Q	0.3	Q	49.4
Heat Pump	10.4	Q	0.6	0.6	1.9	15.2
Other	1.8	Q	0.3	0.2	0.3	30.2
Fuel Oil	8.0	2.1	Q	Q	Q	18.1
Steam or Hot-Water System	4.4	1.5	Q	Q	Q	17.8
For One Housing Unit	3.3	0.8	Q	Q	Q	22.3
For Two or More Units	1.1	0.7	Q	Q	Q	21.4
Central Warm-Air Furnace	3.3	0.4	Q	Q	Q	29.2
Other	0.3	0.1	Q	Q	Q	41.0
Wood	2.0	0.2	0.3	Q	Q	23.8
Heating Stove	1.5	0.1	0.2	Q	Q	22.3
Other	0.6	0.1	0.2	Q	Q	33.6
LPG	4.9	Q	0.3	0.2	Q	30.7
Central Warm-Air Furnace	3.4	Q	0.2	0.1	Q	35.3
Room Heater	1.1	Q	Q	Q	Q	34.1
Other	0.5	Q	0.1	Q	Q	35.1
Kerosene	0.8	(*)	0.1	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	96.5	6.4	10.4	7.0	6.0	1.7
About Three-Fourths	4.3	0.3	0.7	0.3	Q	18.8
Closer to One-Half	3.7	0.3	0.7	0.2	Q	23.6
Don't Know	1.5	Q	0.2	0.2	Q	31.0

See footnotes at end of table.

**Table HC3-7a. Space Heating by Four Most Populated States,
Million 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	8.7	0.5	0.8	0.8	0.6	17.3
2 to 4 Years	13.4	0.4	1.1	0.9	0.9	13.5
5 to 9 Years	21.4	1.2	1.5	1.7	2.1	12.6
10 to 19 Years	24.0	1.1	2.4	1.5	1.9	11.4
20 Years or More	26.5	2.4	4.6	1.6	0.5	7.5
Don't Know	12.0	1.4	1.6	1.2	0.3	16.2
Secondary Heating Fuel and Equipment (more than one may apply)						
No	72.1	4.9	8.0	4.8	5.1	3.4
Yes	33.9	2.1	4.1	2.8	1.1	8.0
Natural Gas	5.6	0.5	0.8	0.8	0.1	16.4
Fireplace	3.3	0.4	0.6	0.4	0.1	15.9
Room Heater	1.0	Q	Q	0.2	Q	39.6
Central Warm-Air Furnace	0.7	Q	0.1	Q	Q	33.0
Other Equipment	0.7	Q	Q	0.3	Q	41.5
Electricity	15.7	1.0	1.9	1.3	0.4	10.3
Portable Heater	11.8	0.8	1.5	1.1	0.3	13.2
Built-in Electric Units	2.4	0.1	0.3	Q	Q	26.2
Heat Pump	1.2	Q	0.1	Q	Q	28.8
Other Equipment	0.6	Q	Q	Q	0.1	24.3
Fuel Oil	0.5	0.1	Q	Q	Q	34.6
Wood	12.4	0.5	2.0	1.0	0.5	17.4
Fireplace	9.4	0.4	1.7	0.9	0.5	17.1
Heating Stove	3.0	0.2	0.2	Q	Q	26.2
Other Equipment	0.3	Q	Q	0.1	Q	36.2
LPG	2.0	0.1	Q	Q	Q	37.3
Kerosene	1.9	0.2	Q	Q	Q	30.7
Other	0.4	Q	Q	Q	Q	46.3

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

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.

• 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 HC3-8a. Space Heating by Urban/Rural Location,
Million U.S. Households, 2001**

Space Heating Characteristics	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.6	0.9	1.3	1.3	1.2	
Total	107.0	49.9	18.0	21.2	17.9	4.3
Heat Home	106.0	49.1	18.0	21.2	17.8	4.3
Do Not Heat Home	1.0	0.7	0.1	0.1	0.1	25.8
No Heating Equipment	0.5	0.4	0.1	Q	0.1	33.2
Have Equipment But Do Not Use It	0.4	0.3	Q	Q	Q	30.2
Main Heating Fuel and Equipment						
(Have and Use Equipment)	106.0	49.1	18.0	21.2	17.8	4.3
Natural Gas	59.1	32.3	10.0	13.1	3.6	6.0
Central Warm-Air Furnace	44.8	22.7	7.3	11.9	3.0	6.8
For One Housing Unit	43.0	21.4	7.2	11.5	3.0	6.9
For Two or More Units	1.8	1.3	Q	0.4	Q	23.3
Steam or Hot-Water System	7.9	5.0	1.7	0.9	0.3	14.0
For One Housing Unit	5.1	3.0	1.2	0.6	0.3	17.8
For Two or More Units	2.8	2.0	0.5	0.2	Q	22.9
Floor, Wall, or Pipeless Furnace	3.1	2.3	0.5	0.2	0.1	18.2
Room Heater	2.8	1.9	0.5	0.1	0.2	22.0
Other	0.5	0.4	Q	Q	Q	40.0
Electricity	30.9	13.6	4.5	6.3	6.5	7.2
Built-In Electric Units	6.1	2.7	1.4	0.8	1.2	15.0
Central Warm-Air Furnace	12.6	5.9	1.7	2.7	2.3	11.3
For One Housing Unit	11.8	5.4	1.6	2.6	2.3	11.9
For Two or More Units	0.8	0.6	Q	Q	Q	42.4
Heat Pump	10.4	4.0	1.1	2.6	2.7	14.0
Other	1.8	1.0	0.4	0.1	0.3	24.7
Fuel Oil	8.0	2.4	2.0	1.3	2.3	13.6
Steam or Hot-Water System	4.4	1.6	1.0	0.8	1.1	16.6
For One Housing Unit	3.3	0.7	0.8	0.7	1.0	18.2
For Two or More Units	1.1	0.9	0.1	Q	Q	23.1
Central Warm-Air Furnace	3.3	0.7	0.9	0.5	1.1	21.0
Other	0.3	0.1	Q	Q	0.1	39.5
Wood	2.0	0.2	0.3	0.1	1.3	22.7
Heating Stove	1.5	0.1	0.3	0.1	1.0	26.2
Other	0.6	0.1	Q	Q	0.4	32.6
LPG	4.9	0.3	0.9	0.2	3.5	21.0
Central Warm-Air Furnace	3.4	0.2	0.6	0.2	2.4	25.8
Room Heater	1.1	Q	0.2	Q	0.8	21.8
Other	0.5	Q	0.2	Q	0.3	27.0
Kerosene	0.8	Q	Q	Q	0.5	22.9
Other	0.2	0.2	Q	Q	Q	63.9
Amount of Heat Provided by Main Heating Equipment						
All or Almost All	96.5	45.7	16.2	19.8	14.8	4.3
About Three-Fourths	4.3	1.3	1.0	0.4	1.6	13.9
Closer to One-Half	3.7	1.4	0.7	0.5	1.1	15.3
Don't Know	1.5	0.7	0.1	0.5	0.3	24.7

See footnotes at end of table.

**Table HC3-8a. Space Heating by Urban/Rural Location,
Million 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	1.3	1.3	1.2	
Age of Main Heating Equipment						
Less than 2 Years	8.7	3.2	1.6	1.9	2.0	10.7
2 to 4 Years	13.4	5.5	2.4	2.7	2.8	9.6
5 to 9 Years	21.4	8.5	3.1	5.5	4.3	7.5
10 to 19 Years	24.0	9.6	4.4	5.4	4.6	7.4
20 Years or More	26.5	14.4	4.7	4.2	3.3	6.5
Don't Know	12.0	8.0	1.8	1.5	0.7	12.1
Secondary Heating Fuel and Equipment (more than one may apply)						
No	72.1	37.1	11.3	14.2	9.6	4.3
Yes	33.9	12.0	6.7	7.0	8.2	6.2
Natural Gas	5.6	2.4	1.1	1.5	0.6	15.0
Fireplace	3.3	1.3	0.6	1.0	0.3	19.3
Room Heater	1.0	0.4	0.3	0.2	Q	28.3
Central Warm-Air Furnace	0.7	0.2	0.2	0.3	Q	29.9
Other Equipment	0.7	0.5	Q	Q	Q	35.0
Electricity	15.7	6.4	3.8	3.0	2.6	7.5
Portable Heater	11.8	5.0	2.8	2.3	1.7	8.4
Built-in Electric Units	2.4	0.8	0.6	0.4	0.5	16.7
Heat Pump	1.2	0.4	0.2	0.2	0.3	26.9
Other Equipment	0.6	0.2	0.2	Q	0.1	34.8
Fuel Oil	0.5	Q	Q	Q	0.2	31.0
Wood	12.4	3.6	2.0	3.0	3.7	9.3
Fireplace	9.4	3.3	1.3	2.6	2.3	10.0
Heating Stove	3.0	0.3	0.9	0.4	1.4	18.0
Other Equipment	0.3	Q	Q	0.1	0.2	31.7
LPG	2.0	0.2	0.2	0.2	1.4	28.1
Kerosene	1.9	0.4	0.4	0.3	0.8	23.1
Other	0.4	0.1	Q	Q	0.2	37.9

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

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC3-9a. Space Heating by Northeast Census Region,
Million 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	107.0	20.3	14.8	5.4	NE
Heat Home	106.0	20.1	14.7	5.4	NE
Do Not Heat Home	1.0	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)	106.0	20.1	14.7	5.4	NE
Natural Gas	59.1	10.5	8.6	1.9	8.6
Central Warm-Air Furnace	44.8	5.8	5.1	0.7	10.4
For One Housing Unit	43.0	5.2	4.6	0.6	11.8
For Two or More Units	1.8	0.6	0.5	Q	26.4
Steam or Hot-Water System	7.9	4.3	3.3	1.0	13.2
For One Housing Unit	5.1	2.9	2.1	0.8	18.2
For Two or More Units	2.8	1.4	1.2	0.2	20.4
Floor, Wall, or Pipeless Furnace	3.1	Q	Q	Q	21.2
Room Heater	2.8	Q	Q	Q	24.2
Other	0.5	Q	Q	Q	52.2
Electricity	30.9	2.3	1.8	0.5	11.2
Built-In Electric Units	6.1	1.4	1.0	0.4	17.7
Central Warm-Air Furnace	12.6	0.3	0.3	Q	22.2
For One Housing Unit	11.8	Q	Q	Q	14.9
For Two or More Units	0.8	Q	Q	Q	57.9
Heat Pump	10.4	0.4	0.4	Q	28.4
Other	1.8	0.3	Q	Q	30.4
Fuel Oil	8.0	6.2	3.6	2.7	12.4
Steam or Hot-Water System	4.4	4.1	2.3	1.8	10.7
For One Housing Unit	3.3	3.0	1.5	1.5	13.0
For Two or More Units	1.1	1.1	0.8	0.3	17.8
Central Warm-Air Furnace	3.3	2.0	1.1	0.9	21.2
Other	0.3	Q	Q	Q	52.1
Wood	2.0	0.3	0.2	Q	18.8
Heating Stove	1.5	0.2	Q	Q	23.3
Other	0.6	Q	Q	Q	39.3
LPG	4.9	0.4	0.2	0.1	25.4
Central Warm-Air Furnace	3.4	0.3	0.2	Q	35.7
Room Heater	1.1	Q	Q	Q	32.9
Other	0.5	Q	Q	Q	42.5
Kerosene	0.8	0.3	0.2	Q	33.3
Other	0.2	Q	Q	Q	86.5
Amount of Heat Provided by Main Heating Equipment					
All or Almost All	96.5	18.3	13.5	4.8	1.4
About Three-Fourths	4.3	0.8	0.6	0.3	14.1
Closer to One-Half	3.7	0.7	0.5	0.2	19.7
Don't Know	1.5	0.2	Q	Q	25.8

See footnotes at end of table.

**Table HC3-9a. Space Heating by Northeast Census Region,
Million 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	8.7	1.3	0.9	0.4	13.7
2 to 4 Years	13.4	1.7	1.2	0.5	10.7
5 to 9 Years	21.4	3.3	2.5	0.8	11.0
10 to 19 Years	24.0	4.8	3.5	1.3	8.5
20 Years or More	26.5	6.0	4.3	1.6	4.8
Don't Know	12.0	3.1	2.3	0.9	12.1
Secondary Heating Fuel and Equipment (more than one may apply)					
No	72.1	14.5	10.8	3.7	2.7
Yes	33.9	5.7	4.0	1.7	6.6
Natural Gas	5.6	0.8	0.7	Q	19.9
Fireplace	3.3	0.5	0.5	Q	21.5
Room Heater	1.0	Q	Q	Q	37.3
Central Warm-Air Furnace	0.7	Q	Q	Q	36.1
Other Equipment	0.7	Q	Q	Q	48.5
Electricity	15.7	2.7	1.9	0.8	8.0
Portable Heater	11.8	2.1	1.5	0.6	10.2
Built-in Electric Units	2.4	0.4	0.3	Q	19.6
Heat Pump	1.2	Q	Q	Q	33.3
Other Equipment	0.6	Q	Q	Q	39.9
Fuel Oil	0.5	0.2	Q	Q	34.9
Wood	12.4	1.9	1.1	0.8	13.8
Fireplace	9.4	1.0	0.6	0.4	12.8
Heating Stove	3.0	0.9	0.4	0.5	19.6
Other Equipment	0.3	Q	Q	Q	50.5
LPG	2.0	0.3	Q	0.1	27.6
Kerosene	1.9	0.4	0.2	Q	29.8
Other	0.4	0.2	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.

• 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 HC3-10a. Space Heating by Midwest Census Region,
Million 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	107.0	24.5	17.1	7.4	NE
Heat Home	106.0	24.5	17.1	7.4	NE
Do Not Heat Home	1.0	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)	106.0	24.5	17.1	7.4	NE
Natural Gas	59.1	18.9	13.8	5.1	4.5
Central Warm-Air Furnace	44.8	16.3	11.8	4.6	4.7
For One Housing Unit	43.0	15.8	11.3	4.4	5.1
For Two or More Units	1.8	0.6	0.4	Q	28.5
Steam or Hot-Water System	7.9	2.3	1.8	0.5	12.6
For One Housing Unit	5.1	1.4	1.0	0.4	18.5
For Two or More Units	2.8	0.9	0.8	Q	26.6
Floor, Wall, or Pipeless Furnace	3.1	Q	Q	Q	21.0
Room Heater	2.8	Q	Q	Q	24.0
Other	0.5	Q	Q	Q	51.8
Electricity	30.9	2.5	1.7	0.8	13.6
Built-In Electric Units	6.1	1.1	0.9	0.2	19.8
Central Warm-Air Furnace	12.6	0.8	0.4	0.4	23.0
For One Housing Unit	11.8	0.7	0.3	0.4	23.2
For Two or More Units	0.8	Q	Q	Q	57.5
Heat Pump	10.4	0.5	0.3	0.2	26.7
Other	1.8	Q	Q	Q	29.0
Fuel Oil	8.0	0.8	0.4	0.4	14.1
Steam or Hot-Water System	4.4	Q	Q	Q	18.0
For One Housing Unit	3.3	Q	Q	Q	20.9
For Two or More Units	1.1	Q	Q	Q	28.8
Central Warm-Air Furnace	3.3	0.6	0.4	0.3	17.3
Other	0.3	Q	Q	Q	51.7
Wood	2.0	0.4	Q	0.2	30.3
Heating Stove	1.5	0.3	Q	Q	34.4
Other	0.6	Q	Q	Q	39.0
LPG	4.9	1.8	0.9	0.9	23.8
Central Warm-Air Furnace	3.4	1.6	0.8	0.7	25.4
Room Heater	1.1	Q	Q	Q	32.7
Other	0.5	0.2	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	96.5	23.0	16.2	6.8	0.9
About Three-Fourths	4.3	0.7	0.4	0.3	12.4
Closer to One-Half	3.7	0.5	Q	0.3	21.7
Don't Know	1.5	0.3	0.2	Q	26.6

See footnotes at end of table.

**Table HC3-10a. Space Heating by Midwest Census Region,
Million 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	8.7	2.0	1.4	0.6	14.0
2 to 4 Years	13.4	3.0	2.3	0.6	9.2
5 to 9 Years	21.4	5.0	3.4	1.7	7.3
10 to 19 Years	24.0	5.6	3.8	1.8	8.4
20 Years or More	26.5	6.2	4.3	1.9	7.1
Don't Know	12.0	2.7	1.9	0.8	12.3
Secondary Heating Fuel and Equipment (more than one may apply)					
No	72.1	17.7	12.8	4.9	2.7
Yes	33.9	6.8	4.3	2.5	6.5
Natural Gas	5.6	0.8	0.6	0.2	19.3
Fireplace	3.3	0.6	0.5	Q	23.8
Room Heater	1.0	Q	Q	Q	37.0
Central Warm-Air Furnace	0.7	Q	Q	Q	35.8
Other Equipment	0.7	Q	Q	Q	48.1
Electricity	15.7	3.8	2.4	1.4	8.9
Portable Heater	11.8	2.7	1.7	1.1	8.5
Built-in Electric Units	2.4	0.8	0.5	0.3	21.2
Heat Pump	1.2	0.2	Q	Q	37.0
Other Equipment	0.6	Q	Q	Q	39.6
Fuel Oil	0.5	Q	Q	Q	46.6
Wood	12.4	2.1	1.2	0.9	10.9
Fireplace	9.4	1.5	1.0	0.5	10.8
Heating Stove	3.0	0.7	0.4	0.4	18.2
Other Equipment	0.3	Q	Q	Q	50.1
LPG	2.0	0.3	Q	0.2	24.1
Kerosene	1.9	0.5	0.4	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.

• 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 HC3-11a. Space Heating by South Census Region,
Million 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	107.0	38.9	20.3	6.8	11.8	NE
Heat Home	106.0	38.8	20.2	6.8	11.8	NE
Do Not Heat Home	1.0	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)	106.0	38.8	20.2	6.8	11.8	NE
Natural Gas	59.1	15.7	6.8	2.4	6.5	7.8
Central Warm-Air Furnace	44.8	12.7	5.9	1.9	4.9	9.2
For One Housing Unit	43.0	12.4	5.7	1.9	4.8	8.9
For Two or More Units	1.8	Q	Q	Q	Q	31.6
Steam or Hot-Water System	7.9	0.6	0.4	Q	Q	23.6
For One Housing Unit	5.1	0.4	Q	Q	Q	34.5
For Two or More Units	2.8	Q	Q	Q	Q	28.8
Floor, Wall, or Pipeless Furnace	3.1	0.7	Q	Q	0.5	26.7
Room Heater	2.8	1.5	Q	0.3	0.9	19.2
Other	0.5	Q	Q	Q	Q	52.5
Electricity	30.9	19.3	11.0	3.4	4.9	7.6
Built-In Electric Units	6.1	1.1	0.6	0.3	Q	25.4
Central Warm-Air Furnace	12.6	9.4	4.3	1.4	3.7	10.5
For One Housing Unit	11.8	9.0	4.3	1.4	3.3	11.8
For Two or More Units	0.8	0.4	Q	Q	0.3	45.2
Heat Pump	10.4	7.9	5.6	1.5	0.8	14.9
Other	1.8	0.9	0.4	Q	0.3	27.9
Fuel Oil	8.0	0.8	0.8	Q	Q	28.6
Steam or Hot-Water System	4.4	Q	Q	Q	Q	18.3
For One Housing Unit	3.3	Q	Q	Q	Q	21.2
For Two or More Units	1.1	Q	Q	Q	Q	29.2
Central Warm-Air Furnace	3.3	0.6	0.6	Q	Q	36.4
Other	0.3	Q	Q	Q	Q	52.5
Wood	2.0	0.6	0.4	Q	Q	30.2
Heating Stove	1.5	0.5	0.3	Q	Q	35.5
Other	0.6	Q	Q	Q	Q	39.6
LPG	4.9	2.0	0.9	0.8	0.3	22.3
Central Warm-Air Furnace	3.4	1.1	0.6	Q	Q	31.3
Room Heater	1.1	0.8	Q	0.4	Q	17.9
Other	0.5	Q	Q	Q	Q	42.8
Kerosene	0.8	0.4	0.3	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	96.5	35.6	18.7	6.1	10.7	1.0
About Three-Fourths	4.3	1.4	0.7	0.3	0.4	19.1
Closer to One-Half	3.7	1.3	0.5	0.3	0.4	16.6
Don't Know	1.5	0.6	Q	Q	0.3	23.2

See footnotes at end of table.

**Table HC3-11a. Space Heating by South Census Region,
Million 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	8.7	4.0	1.9	0.9	1.3	9.1
2 to 4 Years	13.4	5.9	3.5	1.0	1.5	9.6
5 to 9 Years	21.4	9.9	5.5	1.8	2.5	5.0
10 to 19 Years	24.0	9.1	5.1	1.8	2.2	7.0
20 Years or More	26.5	6.2	2.7	1.0	2.5	7.6
Don't Know	12.0	3.7	1.5	0.4	1.7	16.8
Secondary Heating Fuel and Equipment (more than one may apply)						
No	72.1	25.6	13.9	4.1	7.6	3.3
Yes	33.9	13.2	6.3	2.7	4.2	6.2
Natural Gas	5.6	2.6	1.0	0.5	1.1	17.4
Fireplace	3.3	1.1	0.5	0.1	0.4	16.8
Room Heater	1.0	0.7	0.3	0.2	0.3	31.2
Central Warm-Air Furnace	0.7	0.4	Q	Q	Q	33.4
Other Equipment	0.7	0.5	Q	Q	0.4	35.2
Electricity	15.7	5.3	2.3	1.0	2.0	8.1
Portable Heater	11.8	4.1	1.7	0.7	1.7	8.5
Built-in Electric Units	2.4	0.5	Q	Q	Q	23.2
Heat Pump	1.2	0.5	Q	Q	Q	31.6
Other Equipment	0.6	Q	Q	Q	Q	40.2
Fuel Oil	0.5	Q	Q	Q	Q	47.3
Wood	12.4	4.6	2.4	0.8	1.4	11.0
Fireplace	9.4	3.9	2.1	0.5	1.3	10.5
Heating Stove	3.0	0.6	0.3	0.2	Q	26.7
Other Equipment	0.3	Q	Q	Q	Q	50.8
LPG	2.0	1.2	0.6	0.5	Q	25.9
Kerosene	1.9	0.9	0.7	0.2	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.

• 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 HC3-12a. Space Heating by West Census Region,
Million 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	107.0	23.3	6.7	16.6	NE
Heat Home	106.0	22.6	6.7	15.9	NE
Do Not Heat Home	1.0	0.7	Q	0.7	10.6
No Heating Equipment	0.5	0.4	Q	0.4	18.1
Have Equipment But Do Not Use It	0.4	0.2	Q	0.2	27.5
Main Heating Fuel and Equipment (Have and Use Equipment)	106.0	22.6	6.7	15.9	NE
Natural Gas	59.1	14.0	4.2	9.8	2.6
Central Warm-Air Furnace	44.8	10.0	3.5	6.5	5.6
For One Housing Unit	43.0	9.6	3.4	6.3	5.6
For Two or More Units	1.8	0.4	Q	0.3	30.9
Steam or Hot-Water System	7.9	0.7	0.3	0.4	22.7
For One Housing Unit	5.1	0.4	0.2	0.2	28.4
For Two or More Units	2.8	Q	Q	Q	25.6
Floor, Wall, or Pipeless Furnace	3.1	2.1	0.2	1.9	16.0
Room Heater	2.8	0.9	Q	0.7	19.7
Other	0.5	0.3	Q	Q	31.5
Electricity	30.9	6.8	2.0	4.8	6.2
Built-In Electric Units	6.1	2.5	0.4	2.2	15.2
Central Warm-Air Furnace	12.6	2.1	0.8	1.3	14.9
For One Housing Unit	11.8	2.0	0.7	1.3	14.9
For Two or More Units	0.8	Q	Q	Q	51.7
Heat Pump	10.4	1.6	0.7	0.9	12.8
Other	1.8	0.5	Q	0.4	22.9
Fuel Oil	8.0	0.2	Q	Q	26.5
Steam or Hot-Water System	4.4	Q	Q	Q	16.2
For One Housing Unit	3.3	Q	Q	Q	18.8
For Two or More Units	1.1	Q	Q	Q	25.9
Central Warm-Air Furnace	3.3	Q	Q	Q	26.0
Other	0.3	Q	Q	Q	46.5
Wood	2.0	0.8	0.2	0.6	17.0
Heating Stove	1.5	0.5	0.1	0.4	19.8
Other	0.6	0.2	Q	0.2	33.7
LPG	4.9	0.7	0.4	0.4	25.3
Central Warm-Air Furnace	3.4	0.5	0.2	0.2	30.0
Room Heater	1.1	Q	Q	Q	29.4
Other	0.5	0.2	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	96.5	19.6	5.9	13.7	1.3
About Three-Fourths	4.3	1.4	0.4	1.0	13.0
Closer to One-Half	3.7	1.2	0.3	0.9	13.4
Don't Know	1.5	0.4	Q	0.3	28.0

See footnotes at end of table.

**Table HC3-12a. Space Heating by West Census Region,
Million 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	8.7	1.4	0.5	0.9	11.4
2 to 4 Years	13.4	2.8	1.1	1.7	11.6
5 to 9 Years	21.4	3.2	1.1	2.1	9.4
10 to 19 Years	24.0	4.5	1.2	3.3	9.9
20 Years or More	26.5	8.2	2.2	6.0	6.3
Don't Know	12.0	2.4	0.5	1.9	13.4
Secondary Heating Fuel and Equipment (more than one may apply)					
No	72.1	14.4	4.3	10.1	3.3
Yes	33.9	8.2	2.4	5.8	6.1
Natural Gas	5.6	1.4	0.4	1.0	17.5
Fireplace	3.3	1.0	Q	0.8	19.0
Room Heater	1.0	Q	Q	Q	33.3
Central Warm-Air Furnace	0.7	0.2	Q	Q	30.8
Other Equipment	0.7	Q	Q	Q	43.3
Electricity	15.7	3.9	1.2	2.7	7.4
Portable Heater	11.8	2.9	0.8	2.1	8.7
Built-in Electric Units	2.4	0.6	0.2	0.4	20.2
Heat Pump	1.2	0.3	Q	Q	28.1
Other Equipment	0.6	0.2	Q	Q	33.0
Fuel Oil	0.5	Q	Q	Q	41.9
Wood	12.4	3.8	0.9	2.9	10.1
Fireplace	9.4	3.0	0.6	2.5	10.5
Heating Stove	3.0	0.7	0.3	0.4	14.5
Other Equipment	0.3	Q	Q	Q	45.1
LPG	2.0	0.3	Q	Q	36.0
Kerosene	1.9	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.

• 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.

2001 Housing Characteristics Tables

Air Conditioning Tables

(Million U.S. Households; 24 pages, 138 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 HC4-1a. Air Conditioning by Climate Zone,
Million U.S. Households, 2001**

Air Conditioning 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:	0.4	2.1	1.0	0.9	1.5	1.0	
Total Households With							
Air-Conditioning	82.9	5.4	20.9	20.2	14.2	22.1	8.1
Air Conditioners Not Used	2.1	Q	0.4	0.3	0.8	0.4	23.2
Households Using Electric Air-Conditioning²	80.8	5.3	20.5	19.9	13.4	21.8	8.2
Type of Electric Air-Conditioning Used							
Central Air-Conditioning ³	57.5	3.1	12.9	12.7	10.5	18.2	9.2
Without a Heat Pump	46.2	3.0	12.1	9.8	7.0	14.3	10.7
With a Heat Pump	11.3	Q	0.9	2.9	3.5	3.9	19.5
Room Air-Conditioning	23.3	2.2	7.6	7.2	2.9	3.6	11.3
1 Unit	12.8	1.4	4.5	3.4	1.9	1.5	13.5
2 Units	7.5	0.5	2.2	2.5	0.8	1.4	13.8
3 or More Units	3.0	0.2	0.8	1.2	0.2	0.7	20.1
Number of Rooms Air-Conditioned in Summer 2001							
One or Two	12.3	0.8	4.4	3.6	1.8	1.8	12.1
Three	9.2	0.9	2.2	2.2	1.6	2.4	16.5
Four	12.0	0.8	2.6	3.1	1.7	3.8	14.4
Five or More	47.3	2.8	11.3	11.0	8.4	13.8	9.6
Percentage of Rooms Air-Conditioned							
100%	58.8	3.3	13.5	13.7	10.3	18.0	9.4
50% to 99%	12.1	1.1	3.2	3.2	1.7	2.8	13.0
25% to 49%	6.4	0.5	2.3	2.1	0.8	0.7	15.0
1% to 24%	3.5	0.3	1.5	0.8	0.5	0.3	18.9
Large Tree(s) that Shade the Home							
Yes	41.5	2.6	10.0	9.5	6.9	12.5	10.5
No	39.3	2.6	10.5	10.4	6.4	9.3	10.1
Central Air-Conditioner Age (excludes systems for more than one housing unit)							
Less than 2 Years	6.1	0.4	1.1	1.4	1.2	1.9	17.0
2 to 4 Years	10.1	0.5	2.6	2.2	2.0	2.9	15.5
5 to 9 Years	15.4	0.9	3.2	3.3	3.0	5.0	13.1
10 to 19 Years	15.0	0.8	3.7	3.1	2.8	4.6	14.1
20 Years or More	5.7	0.5	1.4	1.1	1.0	1.7	17.9
Don't Know	3.7	Q	0.6	1.0	0.4	1.7	23.3
Central Air-Conditioning Use							
Only a Few Times	16.8	1.8	5.9	4.2	2.9	1.9	12.5
Quite a Bit	12.1	0.5	3.4	3.2	1.6	3.4	13.6
All Summer	28.4	0.7	3.6	5.3	6.0	12.8	12.2

See footnotes at end of table.

**Table HC4-1a. Air Conditioning by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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:	0.4	2.1	1.0	0.9	1.5	1.0	
Pays for Electricity for Central Air-Conditioning							
Yes	55.5	3.1	12.5	12.1	10.3	17.4	9.4
No	2.0	Q	0.4	0.6	Q	0.8	30.6
Age of Most-Used Room Air Conditioner							
Less than 2 Years	3.1	0.3	1.1	0.9	0.4	0.4	21.1
2 to 4 Years	5.3	0.3	1.5	2.0	0.5	1.0	15.4
5 to 9 Years	6.4	0.7	1.8	1.9	0.8	1.2	15.4
10 or 19 Years	4.3	0.5	1.5	1.2	0.5	0.5	19.1
20 or More Years	2.0	0.2	0.7	0.6	Q	0.3	28.5
Don't Know	2.2	0.2	0.9	0.5	0.4	Q	25.9
Room Air-Conditioning Use							
Only a Few Times	13.6	1.4	5.3	4.0	1.4	1.4	12.4
Quite a Bit	5.0	0.5	1.3	1.7	0.7	0.8	19.9
All Summer	4.7	0.2	1.0	1.4	0.8	1.3	21.0
Pays for Electricity for Room Air-Conditioning							
Yes	21.9	2.1	7.1	6.7	2.7	3.3	11.4
No	1.5	Q	0.5	0.5	Q	Q	40.3

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 number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-2a. Air Conditioning by Year of Construction,
Million U.S. Households, 2001**

Air Conditioning 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:	0.4	1.6	1.2	1.1	1.2	1.1	0.9	
Households With Electric Air-Conditioning Equipment								
Air-Conditioning Equipment	82.9	13.6	16.0	14.7	10.4	10.5	17.6	4.7
Air Conditioners Not Used	2.1	Q	0.3	0.5	0.3	0.4	0.5	27.2
Households Using Electric Air-Conditioning²								
Air-Conditioning ²	80.8	13.4	15.8	14.2	10.1	10.2	17.1	4.7
Type of Electric Air-Conditioning Used								
Central Air-Conditioning ³	57.5	12.6	13.7	11.0	7.1	6.6	6.4	5.9
Without a Heat Pump	46.2	10.1	10.4	8.0	6.1	5.9	5.7	7.0
With a Heat Pump	11.3	2.5	3.3	3.0	1.0	0.8	0.6	15.2
Room Air-Conditioning	23.3	0.8	2.1	3.1	3.1	3.5	10.8	8.7
1 Unit	12.8	0.5	1.2	2.0	1.7	1.7	5.7	11.4
2 Units	7.5	0.2	0.8	1.0	0.8	1.3	3.3	13.8
3 or More Units	3.0	Q	Q	0.2	0.5	0.5	1.7	20.9
Number of Rooms Air-Conditioned in Summer 2001								
One or Two	12.3	0.4	1.4	2.1	1.5	1.7	5.2	11.6
Three	9.2	0.8	1.7	1.9	1.7	0.9	2.2	14.3
Four	12.0	1.7	2.9	2.4	1.1	1.3	2.6	11.2
Five or More	47.3	10.4	9.8	7.9	5.9	6.2	7.1	6.5
Percentage of Rooms Air-Conditioned								
100%	58.8	11.5	13.3	11.0	7.4	6.7	8.9	5.6
50% to 99%	12.1	1.6	1.6	2.1	1.6	1.9	3.2	11.3
25% to 49%	6.4	Q	0.7	0.7	0.8	0.9	3.1	14.6
1% to 24%	3.5	Q	0.2	0.3	0.3	0.6	1.9	20.0
Large Tree(s) that Shade the Home								
Yes	41.5	4.6	7.5	8.2	6.2	6.0	9.1	6.5
No	39.3	8.8	8.3	6.0	4.0	4.1	8.1	6.9
Central Air-Conditioner Age (excludes systems for more than one housing unit)								
Less than 2 Years	6.1	1.7	1.2	1.1	0.8	0.7	0.6	15.8
2 to 4 Years	10.1	3.5	1.3	1.7	1.2	1.2	1.3	13.5
5 to 9 Years	15.4	6.0	1.8	2.3	1.8	1.7	1.8	11.1
10 to 19 Years	15.0	1.3	7.3	1.9	1.7	1.5	1.4	11.4
20 Years or More	5.7	Q	0.8	2.5	0.9	0.8	0.6	17.5
Don't Know	3.7	Q	1.0	1.2	0.4	0.6	0.5	19.2
Central Air-Conditioning Use								
Only a Few Times	16.8	3.5	3.5	3.0	2.1	2.5	2.2	10.0
Quite a Bit	12.1	2.8	2.7	2.2	1.6	1.4	1.5	11.4
All Summer	28.4	6.3	7.5	5.8	3.3	2.8	2.7	8.3

See footnotes at end of table.

**Table HC4-2a. Air Conditioning by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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:	0.4	1.6	1.2	1.1	1.2	1.1	0.9	
Pays for Electricity for Central Air-Conditioning								
Yes	55.5	12.5	13.2	10.5	6.8	6.4	6.2	6.1
No	2.0	Q	0.5	0.6	0.3	Q	Q	26.3
Age of Most-Used Room Air Conditioner								
Less than 2 Years	3.1	0.2	0.2	0.4	0.3	0.5	1.5	22.3
2 to 4 Years	5.3	Q	0.4	0.6	0.6	0.9	2.6	15.2
5 to 9 Years	6.4	0.3	0.5	0.7	0.9	1.0	3.0	16.5
10 or 19 Years	4.3	Q	0.5	0.5	0.5	0.7	2.0	17.8
20 or More Years	2.0	Q	Q	0.4	0.4	0.3	0.7	24.7
Don't Know	2.2	Q	0.3	0.5	0.4	Q	0.8	24.2
Room Air-Conditioning Use								
Only a Few Times	13.6	0.4	1.2	1.7	1.7	2.3	6.3	10.7
Quite a Bit	5.0	Q	0.4	0.7	0.7	0.6	2.4	18.0
All Summer	4.7	0.2	0.4	0.7	0.7	0.7	2.1	19.3
Pays for Electricity for Room Air-Conditioning								
Yes	21.9	0.8	1.9	2.8	2.8	3.2	10.4	8.8
No	1.5	Q	Q	0.3	0.3	0.3	0.4	30.1

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 number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-3a. Air Conditioning by Household Income,
Million U.S. Households, 2001**

Air Conditioning 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:	0.5	1.4	1.1	1.0	0.9	1.5	0.9	
Households With Electric Air-Conditioning Equipment								
Air-Conditioning Equipment	82.9	12.3	17.4	21.5	31.7	9.6	23.4	3.9
Air Conditioners Not Used	2.1	0.4	0.7	0.5	0.5	0.4	0.9	20.8
Households Using Electric Air-Conditioning²								
Air-Conditioning ²	80.8	11.9	16.7	21.0	31.2	9.1	22.6	3.9
Type of Electric Air-Conditioning Used								
Central Air-Conditioning ³	57.5	6.2	10.7	15.2	25.3	4.5	12.4	5.3
Without a Heat Pump	46.2	4.9	9.1	12.1	20.1	3.6	10.4	6.1
With a Heat Pump	11.3	1.3	1.6	3.2	5.2	0.8	2.0	17.0
Room Air-Conditioning	23.3	5.7	6.0	5.8	5.9	4.7	10.1	6.1
1 Unit	12.8	4.0	3.4	2.9	2.5	3.3	6.3	8.1
2 Units	7.5	1.4	1.9	2.2	2.0	1.1	3.1	10.2
3 or More Units	3.0	0.3	0.7	0.7	1.3	0.3	0.8	20.0
Number of Rooms Air-Conditioned in Summer 2001								
One or Two	12.3	3.1	3.4	2.7	3.1	2.4	5.4	8.2
Three	9.2	2.7	2.7	2.1	1.7	1.9	4.1	11.4
Four	12.0	2.4	2.8	4.3	2.5	1.6	3.8	9.4
Five or More	47.3	3.7	7.9	11.9	23.8	3.2	9.3	5.7
Percentage of Rooms Air-Conditioned								
100%	58.8	8.0	11.6	15.0	24.2	6.2	15.2	4.8
50% to 99%	12.1	1.7	3.0	3.5	3.8	1.3	3.5	8.9
25% to 49%	6.4	1.5	1.4	1.7	1.8	1.2	2.7	10.6
1% to 24%	3.5	0.6	0.7	0.9	1.3	0.5	1.2	16.1
Large Tree(s) that Shade the Home								
Yes	41.5	5.0	8.5	11.2	16.8	3.9	10.4	5.9
No	39.3	6.9	8.2	9.8	14.3	5.2	12.2	5.5
Central Air-Conditioner Age (excludes systems for more than one housing unit)								
Less than 2 Years	6.1	0.7	1.1	1.0	3.2	0.7	1.3	13.7
2 to 4 Years	10.1	1.0	2.0	2.6	4.6	0.7	2.2	11.2
5 to 9 Years	15.4	1.2	2.5	3.9	7.8	0.9	2.9	10.4
10 to 19 Years	15.0	1.5	2.3	4.5	6.8	0.8	2.7	11.7
20 Years or More	5.7	0.8	1.4	1.5	2.0	0.6	1.5	15.0
Don't Know	3.7	0.5	1.3	1.2	0.8	0.3	1.3	16.7
Central Air-Conditioning Use								
Only a Few Times	16.8	1.7	3.6	4.5	6.8	1.2	3.8	9.1
Quite a Bit	12.1	1.2	2.1	3.1	5.7	0.7	2.6	10.6
All Summer	28.4	3.1	5.0	7.5	12.8	2.5	5.9	8.0

See footnotes at end of table.

**Table HC4-3a. Air Conditioning by Household Income,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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:	0.5	1.4	1.1	1.0	0.9	1.5	0.9	
Pays for Electricity for Central Air-Conditioning								
Yes	55.5	5.5	10.3	14.6	25.1	4.0	11.5	5.5
No	2.0	0.6	0.5	0.6	Q	0.5	0.9	20.0
Age of Most-Used Room Air Conditioner								
Less than 2 Years	3.1	0.7	0.6	0.9	0.8	0.6	1.1	16.0
2 to 4 Years	5.3	1.2	1.5	1.2	1.5	0.9	2.5	11.6
5 to 9 Years	6.4	1.4	1.5	1.6	1.9	1.1	2.4	12.1
10 or 19 Years	4.3	1.0	1.1	1.2	0.9	0.7	1.8	12.5
20 or More Years	2.0	0.6	0.6	0.4	0.4	0.6	1.0	19.3
Don't Know	2.2	0.8	0.6	0.5	0.3	0.8	1.3	21.5
Room Air-Conditioning Use								
Only a Few Times	13.6	3.2	3.5	3.3	3.5	2.6	5.8	7.4
Quite a Bit	5.0	1.0	1.3	1.6	1.1	0.7	1.8	13.6
All Summer	4.7	1.5	1.2	0.8	1.2	1.3	2.5	13.4
Pays for Electricity for Room Air-Conditioning								
Yes	21.9	5.0	5.6	5.4	5.8	4.0	9.1	6.1
No	1.5	0.7	0.3	0.3	Q	0.6	1.0	25.3

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

² The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-4a. Air Conditioning by Type of Housing Unit,
Million U.S. Households, 2001**

Air Conditioning 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:	0.4	0.6	1.5	1.4	1.8	
Households With Electric Air-Conditioning Equipment	82.9	58.7	6.5	12.4	5.3	4.9
Air Conditioners Not Used	2.1	1.1	Q	0.6	Q	21.8
Households Using Electric Air-Conditioning¹	80.8	57.6	6.3	11.8	5.1	4.9
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	57.5	43.6	3.2	7.1	3.5	6.7
Without a Heat Pump	46.2	35.0	2.4	6.1	2.7	7.7
With a Heat Pump	11.3	8.6	0.8	1.0	0.8	19.7
Room Air-Conditioning	23.3	13.9	3.1	4.7	1.6	7.7
1 Unit	12.8	6.7	1.9	3.3	0.9	9.2
2 Units	7.5	4.9	0.9	1.0	0.7	12.0
3 or More Units	3.0	2.3	0.3	0.3	Q	21.8
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	12.3	6.3	2.2	3.0	0.8	9.3
Three	9.2	3.7	1.0	3.6	0.8	13.1
Four	12.0	5.8	1.8	3.1	1.3	10.8
Five or More	47.3	41.7	1.3	2.0	2.2	8.5
Percentage of Rooms Air-Conditioned						
100%	58.8	42.0	3.9	9.1	3.8	6.3
50% to 99%	12.1	8.6	1.1	1.4	0.9	10.3
25% to 49%	6.4	4.2	0.9	0.9	0.3	13.0
1% to 24%	3.5	2.7	0.4	0.3	Q	16.0
Large Tree(s) that Shade the Home						
Yes	41.5	33.1	2.2	3.6	2.5	7.6
No	39.3	24.4	4.1	8.1	2.6	7.3
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	6.1	5.0	Q	0.4	0.5	16.3
2 to 4 Years	10.1	8.7	0.3	0.4	0.8	17.8
5 to 9 Years	15.4	12.8	0.4	1.2	1.0	13.0
10 to 19 Years	15.0	11.9	0.9	1.4	0.8	13.9
20 Years or More	5.7	3.9	0.7	0.9	0.2	16.2
Don't Know	3.7	1.3	0.6	1.7	Q	17.2
Central Air-Conditioning Use						
Only a Few Times	16.8	12.8	0.9	2.1	0.9	11.3
Quite a Bit	12.1	9.0	0.6	1.7	0.8	12.0
All Summer	28.4	21.8	1.7	3.2	1.7	9.6

See footnotes at end of table.

**Table HC4-4a. Air Conditioning by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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:	0.4	0.6	1.5	1.4	1.8	
Pays for Electricity for Central Air-Conditioning						
Yes	55.5	43.2	3.0	5.9	3.4	7.0
No	2.0	0.4	Q	1.2	Q	33.7
Age of Most-Used Room Air Conditioner						
Less than 2 Years	3.1	1.7	0.5	0.5	0.3	18.6
2 to 4 Years	5.3	2.9	1.0	1.1	0.4	13.4
5 to 9 Years	6.4	4.3	0.8	0.9	0.3	14.2
10 or 19 Years	4.3	3.1	0.3	0.5	0.4	14.3
20 or More Years	2.0	1.3	Q	0.6	Q	25.1
Don't Know	2.2	0.6	0.3	1.1	Q	21.9
Room Air-Conditioning Use						
Only a Few Times	13.6	7.9	1.9	3.0	0.8	9.6
Quite a Bit	5.0	3.2	0.6	0.9	0.3	16.7
All Summer	4.7	2.9	0.6	0.7	0.5	15.1
Pays for Electricity for Room Air-Conditioning						
Yes	21.9	13.7	2.8	3.8	1.6	7.7
No	1.5	Q	0.3	0.9	Q	25.7

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC4-5a. Air Conditioning by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001

Air Conditioning 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:	0.5	0.5	1.5	1.4	1.8	
Households With Electric Air-Conditioning Equipment	59.5	58.7	6.5	12.4	5.3	5.2
Air Conditioners Not Used	1.2	1.1	Q	0.6	Q	23.3
Households Using Electric Air-Conditioning ¹	58.2	57.6	6.3	11.8	5.1	5.3
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	44.7	43.6	3.2	7.1	3.5	7.0
Without a Heat Pump	35.6	35.0	2.4	6.1	2.7	7.7
With a Heat Pump	9.1	8.6	0.8	1.0	0.8	19.9
Room Air-Conditioning	13.5	13.9	3.1	4.7	1.6	7.9
1 Unit	6.3	6.7	1.9	3.3	0.9	9.3
2 Units	4.8	4.9	0.9	1.0	0.7	12.5
3 or More Units	2.4	2.3	0.3	0.3	Q	22.5
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	6.1	6.3	2.2	3.0	0.8	9.7
Three	3.9	3.7	1.0	3.6	0.8	13.8
Four	6.7	5.8	1.8	3.1	1.3	11.5
Five or More	41.5	41.7	1.3	2.0	2.2	8.7
Percentage of Rooms Air-Conditioned						
100%	43.0	42.0	3.9	9.1	3.8	6.7
50% to 99%	8.8	8.6	1.1	1.4	0.9	10.5
25% to 49%	3.9	4.2	0.9	0.9	0.3	13.6
1% to 24%	2.6	2.7	0.4	0.3	Q	16.2
Large Tree(s) that Shade the Home						
Yes	33.1	33.1	2.2	3.6	2.5	7.9
No	25.1	24.4	4.1	8.1	2.6	7.8
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	5.3	5.0	Q	0.4	0.5	16.2
2 to 4 Years	8.5	8.7	0.3	0.4	0.8	18.3
5 to 9 Years	13.1	12.8	0.4	1.2	1.0	13.4
10 to 19 Years	12.7	11.9	0.9	1.4	0.8	14.0
20 Years or More	4.0	3.9	0.7	0.9	0.2	16.5
Don't Know	1.0	1.3	0.6	1.7	Q	19.5
Central Air-Conditioning Use						
Only a Few Times	13.0	12.8	0.9	2.1	0.9	11.5
Quite a Bit	9.3	9.0	0.6	1.7	0.8	12.3
All Summer	22.3	21.8	1.7	3.2	1.7	10.0

See footnotes at end of table.

Table HC4-5a. Air Conditioning by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Air Conditioning 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:	0.5	0.5	1.5	1.4	1.8	
Pays for Electricity for Central Air-Conditioning						
Yes	44.5	43.2	3.0	5.9	3.4	7.2
No	0.3	0.4	Q	1.2	Q	45.0
Age of Most-Used Room Air Conditioner						
Less than 2 Years	1.6	1.7	0.5	0.5	0.3	19.4
2 to 4 Years	3.0	2.9	1.0	1.1	0.4	14.5
5 to 9 Years	4.1	4.3	0.8	0.9	0.3	14.9
10 or 19 Years	3.1	3.1	0.3	0.5	0.4	15.0
20 or More Years	1.3	1.3	Q	0.6	Q	26.3
Don't Know	0.4	0.6	0.3	1.1	Q	25.4
Room Air-Conditioning Use						
Only a Few Times	8.0	7.9	1.9	3.0	0.8	9.8
Quite a Bit	3.0	3.2	0.6	0.9	0.3	17.2
All Summer	2.5	2.9	0.6	0.7	0.5	15.8
Pays for Electricity for Room Air-Conditioning						
Yes	13.4	13.7	2.8	3.8	1.6	8.0
No	Q	Q	0.3	0.9	Q	20.7

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-6a. Air Conditioning by Type of Rented Housing Unit,
Million U.S. Households, 2001**

Air Conditioning 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:	0.8	0.5	1.4	1.2	1.6	
Households With Electric Air-Conditioning Equipment	23.4	58.7	6.5	12.4	5.3	6.1
Air Conditioners Not Used	0.9	1.1	Q	0.6	Q	23.0
Households Using Electric Air-Conditioning¹	22.5	57.6	6.3	11.8	5.1	6.2
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	12.7	43.6	3.2	7.1	3.5	8.5
Without a Heat Pump	10.6	35.0	2.4	6.1	2.7	9.3
With a Heat Pump	2.2	8.6	0.8	1.0	0.8	21.7
Room Air-Conditioning	9.8	13.9	3.1	4.7	1.6	8.8
1 Unit	6.5	6.7	1.9	3.3	0.9	10.5
2 Units	2.7	4.9	0.9	1.0	0.7	13.4
3 or More Units	0.6	2.3	0.3	0.3	Q	25.7
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	6.1	6.3	2.2	3.0	0.8	10.0
Three	5.3	3.7	1.0	3.6	0.8	14.0
Four	5.3	5.8	1.8	3.1	1.3	12.0
Five or More	5.8	41.7	1.3	2.0	2.2	10.9
Percentage of Rooms Air-Conditioned						
100%	15.8	42.0	3.9	9.1	3.8	7.7
50% to 99%	3.3	8.6	1.1	1.4	0.9	11.5
25% to 49%	2.6	4.2	0.9	0.9	0.3	14.5
1% to 24%	0.9	2.7	0.4	0.3	Q	18.4
Large Tree(s) that Shade the Home						
Yes	8.4	33.1	2.2	3.6	2.5	9.3
No	14.2	24.4	4.1	8.1	2.6	8.1
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	0.8	5.0	Q	0.4	0.5	20.1
2 to 4 Years	1.6	8.7	0.3	0.4	0.8	21.4
5 to 9 Years	2.3	12.8	0.4	1.2	1.0	16.7
10 to 19 Years	2.3	11.9	0.9	1.4	0.8	17.0
20 Years or More	1.7	3.9	0.7	0.9	0.2	18.5
Don't Know	2.8	1.3	0.6	1.7	Q	17.4
Central Air-Conditioning Use						
Only a Few Times	3.8	12.8	0.9	2.1	0.9	13.3
Quite a Bit	2.8	9.0	0.6	1.7	0.8	13.8
All Summer	6.1	21.8	1.7	3.2	1.7	11.7

See footnotes at end of table.

Table HC4-6a. Air Conditioning by Type of Rented Housing Unit, Million U.S. Households, 2001 (Continued)

Air Conditioning 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:	0.8	0.5	1.4	1.2	1.6	
Pays for Electricity for Central Air-Conditioning						
Yes	11.0	43.2	3.0	5.9	3.4	9.0
No	1.7	0.4	Q	1.2	Q	31.1
Age of Most-Used Room Air Conditioner						
Less than 2 Years	1.5	1.7	0.5	0.5	0.3	20.0
2 to 4 Years	2.4	2.9	1.0	1.1	0.4	14.4
5 to 9 Years	2.3	4.3	0.8	0.9	0.3	15.9
10 or 19 Years	1.1	3.1	0.3	0.5	0.4	16.0
20 or More Years	0.8	1.3	Q	0.6	Q	28.4
Don't Know	1.8	0.6	0.3	1.1	Q	22.4
Room Air-Conditioning Use						
Only a Few Times	5.6	7.9	1.9	3.0	0.8	10.9
Quite a Bit	2.0	3.2	0.6	0.9	0.3	18.0
All Summer	2.2	2.9	0.6	0.7	0.5	15.8
Pays for Electricity for Room Air-Conditioning						
Yes	8.5	13.7	2.8	3.8	1.6	8.9
No	1.4	Q	0.3	0.9	Q	23.8

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-7a. Air Conditioning by Four Most Populated States,
Million U.S. Households, 2001**

Air Conditioning Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.7	1.2	1.2	
Households With Electric Air-Conditioning Equipment						
Air Conditioners Not Used	82.9	4.9	6.0	7.4	6.2	2.4
	2.1	0.1	0.8	Q	0.1	23.2
Households Using Electric Air-Conditioning¹						
	80.8	4.7	5.2	7.4	6.1	2.6
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	57.5	1.3	3.9	6.2	5.7	6.7
Without a Heat Pump	46.2	1.2	3.2	5.5	3.8	8.1
With a Heat Pump	11.3	Q	0.8	0.6	1.9	14.7
Room Air-Conditioning	23.3	3.4	1.2	1.2	0.3	13.6
1 Unit	12.8	1.6	1.0	0.5	Q	11.9
2 Units	7.5	1.2	0.1	0.4	0.1	17.9
3 or More Units	3.0	0.7	Q	Q	Q	17.9
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	12.3	2.1	1.0	0.7	0.3	13.9
Three	9.2	0.8	1.0	1.0	0.3	19.2
Four	12.0	0.6	0.8	1.0	0.8	12.0
Five or More	47.3	1.2	2.3	4.7	4.6	6.3
Percentage of Rooms Air-Conditioned						
100%	58.8	1.9	3.5	6.2	5.4	4.7
50% to 99%	12.1	1.0	1.0	0.8	0.6	14.9
25% to 49%	6.4	1.2	0.4	0.2	Q	17.2
1% to 24%	3.5	0.7	0.3	Q	Q	17.0
Large Tree(s) that Shade the Home						
Yes	41.5	1.9	2.6	4.2	3.1	7.9
No	39.3	2.8	2.6	3.2	2.9	8.2
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	6.1	0.2	0.3	0.6	0.4	24.1
2 to 4 Years	10.1	0.2	0.6	0.9	1.0	16.9
5 to 9 Years	15.4	0.5	0.7	1.6	1.8	14.6
10 to 19 Years	15.0	Q	1.3	1.2	1.7	16.6
20 Years or More	5.7	0.2	0.6	0.6	0.4	24.2
Don't Know	3.7	Q	0.4	0.8	0.3	24.1
Central Air-Conditioning Use						
Only a Few Times	16.8	0.7	2.9	0.4	0.5	14.6
Quite a Bit	12.1	0.4	0.8	1.1	1.2	15.9
All Summer	28.4	0.2	0.3	4.7	3.9	9.1

See footnotes at end of table.

Table HC4-7a. Air Conditioning by Four Most Populated States, Million U.S. Households, 2001 (Continued)

Air Conditioning Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.7	1.2	1.2	
Pays for Electricity for Central Air-Conditioning						
Yes	55.5	1.3	3.9	5.7	5.6	6.9
No	2.0	Q	Q	0.5	Q	30.9
Age of Most-Used Room Air Conditioner						
Less than 2 Years	3.1	0.4	0.2	0.2	Q	23.0
2 to 4 Years	5.3	1.1	0.3	0.4	Q	14.1
5 to 9 Years	6.4	1.2	0.2	0.4	0.1	17.1
10 or 19 Years	4.3	0.5	0.1	0.1	Q	23.1
20 or More Years	2.0	0.2	0.2	Q	Q	24.9
Don't Know	2.2	0.1	0.2	Q	Q	29.8
Room Air-Conditioning Use						
Only a Few Times	13.6	2.4	0.9	0.3	Q	10.8
Quite a Bit	5.0	0.5	0.2	0.2	Q	26.3
All Summer	4.7	0.4	0.1	0.7	Q	25.0
Pays for Electricity for Room Air-Conditioning						
Yes	21.9	3.2	1.2	1.1	Q	10.5
No	1.5	0.2	Q	0.1	Q	38.4

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-8a. Air Conditioning by Urban/Rural Location,
Million U.S. Households, 2001**

Air Conditioning Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Households With Electric Air-Conditioning Equipment	82.9	36.8	13.6	18.9	13.6	4.3
Air Conditioners Not Used	2.1	1.2	0.2	0.4	0.3	21.4
Households Using Electric Air-Conditioning²	80.8	35.6	13.4	18.6	13.3	4.3
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ³	57.5	23.6	8.6	15.8	9.4	5.1
Without a Heat Pump	46.2	19.3	7.4	13.1	6.4	6.3
With a Heat Pump	11.3	4.4	1.2	2.8	2.9	13.1
Room Air-Conditioning	23.3	12.0	4.8	2.7	3.9	7.4
1 Unit	12.8	6.8	2.6	1.3	2.1	9.9
2 Units	7.5	3.4	1.7	1.0	1.4	10.3
3 or More Units	3.0	1.7	0.5	0.4	0.4	16.8
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	12.3	6.5	2.3	1.5	1.9	9.0
Three	9.2	5.1	1.6	1.5	1.0	12.9
Four	12.0	5.8	2.1	2.1	2.0	9.7
Five or More	47.3	18.2	7.3	13.5	8.3	5.8
Percentage of Rooms Air-Conditioned						
100%	58.8	25.7	9.2	14.8	9.2	5.2
50% to 99%	12.1	5.1	2.2	2.4	2.4	9.2
25% to 49%	6.4	3.0	1.6	0.8	1.0	12.0
1% to 24%	3.5	1.8	0.4	0.5	0.7	15.1
Large Tree(s) that Shade the Home						
Yes	41.5	16.7	6.8	9.9	8.0	5.8
No	39.3	18.8	6.6	8.6	5.2	6.7
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	6.1	1.9	1.1	1.5	1.5	13.4
2 to 4 Years	10.1	3.7	1.8	2.6	2.0	10.5
5 to 9 Years	15.4	6.1	1.7	4.9	2.7	9.6
10 to 19 Years	15.0	5.8	2.5	4.4	2.3	9.3
20 Years or More	5.7	2.8	0.9	1.4	0.5	14.2
Don't Know	3.7	2.1	0.5	0.9	0.3	19.9
Central Air-Conditioning Use						
Only a Few Times	16.8	7.2	3.1	4.1	2.4	9.0
Quite a Bit	12.1	4.5	1.7	3.9	1.9	9.1
All Summer	28.4	11.7	3.9	7.8	5.0	7.2

See footnotes at end of table.

**Table HC4-8a. Air Conditioning by Urban/Rural Location,
Million U.S. Households, 2001 (Continued)**

Air Conditioning Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Pays for Electricity for Central Air-Conditioning						
Yes	55.5	22.2	8.4	15.6	9.2	5.3
No	2.0	1.4	0.2	0.3	0.1	31.0
Age of Most-Used Room Air Conditioner						
Less than 2 Years	3.1	1.6	0.6	0.4	0.5	17.7
2 to 4 Years	5.3	2.8	1.1	0.6	0.7	12.1
5 to 9 Years	6.4	3.1	1.2	0.8	1.3	12.6
10 or 19 Years	4.3	2.0	0.9	0.4	0.9	14.2
20 or More Years	2.0	0.9	0.5	0.4	0.3	22.2
Don't Know	2.2	1.5	0.4	0.2	0.1	23.9
Room Air-Conditioning Use						
Only a Few Times	13.6	6.8	2.9	1.8	2.1	8.6
Quite a Bit	5.0	2.7	0.8	0.6	1.0	15.1
All Summer	4.7	2.4	1.1	0.4	0.9	14.0
Pays for Electricity for Room Air-Conditioning						
Yes	21.9	11.2	4.5	2.4	3.8	7.2
No	1.5	0.8	0.3	Q	0.1	29.7

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

² The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-9a. Air Conditioning by Northeast Census Region,
Million U.S. Households, 2001**

Air Conditioning 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	1.8	
Households With Electric Air-Conditioning Equipment	82.9	14.5	11.3	3.2	3.3
Air Conditioners Not Used	2.1	0.3	0.3	Q	28.3
Households Using Electric Air-Conditioning¹	80.8	14.2	11.1	3.2	3.4
Type of Electric Air-Conditioning Used					
Central Air-Conditioning ²	57.5	5.7	4.9	0.8	8.9
Without a Heat Pump	46.2	5.2	4.5	0.7	9.2
With a Heat Pump	11.3	0.4	0.4	Q	26.0
Room Air-Conditioning	23.3	8.5	6.1	2.4	5.6
1 Unit	12.8	4.4	2.9	1.4	8.5
2 Units	7.5	2.8	2.1	0.7	7.4
3 or More Units	3.0	1.3	1.1	0.3	13.2
Number of Rooms Air-Conditioned in Summer 2001					
One or Two	12.3	4.9	3.5	1.4	6.7
Three	9.2	2.0	1.5	0.5	11.4
Four	12.0	1.8	1.5	0.3	13.6
Five or More	47.3	5.5	4.6	0.9	8.2
Percentage of Rooms Air-Conditioned					
100%	58.8	7.1	6.1	1.0	7.1
50% to 99%	12.1	2.7	1.9	0.9	10.1
25% to 49%	6.4	2.7	2.2	0.6	10.6
1% to 24%	3.5	1.6	0.9	0.7	10.2
Large Tree(s) that Shade the Home					
Yes	41.5	6.2	4.6	1.6	6.5
No	39.3	8.0	6.4	1.6	4.9
Central Air-Conditioner Age (excludes systems for more than one housing unit)					
Less than 2 Years	6.1	0.6	0.6	Q	15.4
2 to 4 Years	10.1	0.7	0.6	Q	14.3
5 to 9 Years	15.4	1.6	1.4	0.2	16.5
10 to 19 Years	15.0	1.7	1.5	0.2	16.2
20 Years or More	5.7	0.6	0.5	Q	17.6
Don't Know	3.7	Q	Q	Q	22.0
Central Air-Conditioning Use					
Only a Few Times	16.8	2.8	2.4	0.4	11.7
Quite a Bit	12.1	1.3	1.2	Q	14.2
All Summer	28.4	1.6	1.4	0.2	15.0

See footnotes at end of table.

**Table HC4-9a. Air Conditioning by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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	1.8	
Pays for Electricity for Central Air-Conditioning					
Yes	55.5	5.5	4.7	0.8	8.9
No	2.0	Q	Q	Q	30.9
Age of Most-Used Room Air Conditioner					
Less than 2 Years	3.1	1.1	0.7	0.3	17.5
2 to 4 Years	5.3	2.3	1.8	0.5	9.7
5 to 9 Years	6.4	2.7	1.9	0.8	11.1
10 or 19 Years	4.3	1.4	1.0	0.4	11.4
20 or More Years	2.0	0.4	0.3	Q	25.5
Don't Know	2.2	0.6	0.4	0.2	23.6
Room Air-Conditioning Use					
Only a Few Times	13.6	5.8	4.1	1.8	6.5
Quite a Bit	5.0	1.7	1.3	0.4	13.9
All Summer	4.7	1.0	0.8	0.2	18.5
Pays for Electricity for Room Air-Conditioning					
Yes	21.9	7.9	5.7	2.2	6.1
No	1.5	0.6	0.5	0.2	25.8

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-10a. Air Conditioning by Midwest Census Region,
Million U.S. Households, 2001**

Air Conditioning 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	1.4	
Households With Electric Air-Conditioning Equipment	82.9	20.5	13.6	6.8	2.2
Air Conditioners Not Used	2.1	0.3	Q	Q	27.5
Households Using Electric Air-Conditioning¹	80.8	20.2	13.4	6.7	2.3
Type of Electric Air-Conditioning Used					
Central Air-Conditioning ²	57.5	14.3	9.5	4.8	3.8
Without a Heat Pump	46.2	13.6	9.0	4.6	3.9
With a Heat Pump	11.3	0.7	0.5	0.2	22.7
Room Air-Conditioning	23.3	5.8	3.9	1.9	7.1
1 Unit	12.8	3.6	2.4	1.1	8.3
2 Units	7.5	1.7	1.1	0.6	10.4
3 or More Units	3.0	0.5	0.4	Q	16.3
Number of Rooms Air-Conditioned in Summer 2001					
One or Two	12.3	2.5	1.9	0.6	11.3
Three	9.2	2.2	1.5	0.6	14.5
Four	12.0	2.9	1.5	1.4	10.1
Five or More	47.3	12.6	8.5	4.1	4.2
Percentage of Rooms Air-Conditioned					
100%	58.8	15.0	10.0	5.0	3.1
50% to 99%	12.1	3.1	1.9	1.1	8.4
25% to 49%	6.4	1.4	0.9	0.5	12.2
1% to 24%	3.5	0.7	0.6	Q	16.6
Large Tree(s) that Shade the Home					
Yes	41.5	10.6	7.0	3.6	4.3
No	39.3	9.5	6.4	3.1	5.0
Central Air-Conditioner Age (excludes systems for more than one housing unit)					
Less than 2 Years	6.1	1.6	1.0	0.6	13.4
2 to 4 Years	10.1	2.4	1.8	0.6	9.7
5 to 9 Years	15.4	3.7	2.5	1.2	9.2
10 to 19 Years	15.0	4.1	2.8	1.3	9.6
20 Years or More	5.7	1.7	0.9	0.8	10.1
Don't Know	3.7	0.7	0.4	0.3	21.7
Central Air-Conditioning Use					
Only a Few Times	16.8	6.0	4.2	1.9	7.0
Quite a Bit	12.1	3.9	3.0	0.9	9.6
All Summer	28.4	4.4	2.4	2.0	9.4

See footnotes at end of table.

**Table HC4-10a. Air Conditioning by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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	1.4	
Pays for Electricity for Central Air-Conditioning					
Yes	55.5	14.0	9.2	4.8	3.9
No	2.0	Q	Q	Q	26.6
Age of Most-Used Room Air Conditioner					
Less than 2 Years	3.1	0.8	0.6	0.2	22.0
2 to 4 Years	5.3	1.1	0.8	0.3	15.5
5 to 9 Years	6.4	1.2	0.8	0.4	12.8
10 or 19 Years	4.3	1.3	0.8	0.5	15.3
20 or More Years	2.0	0.7	0.5	0.2	19.2
Don't Know	2.2	0.7	0.5	0.2	17.8
Room Air-Conditioning Use					
Only a Few Times	13.6	3.7	2.6	1.1	8.1
Quite a Bit	5.0	1.1	0.8	0.3	17.4
All Summer	4.7	1.1	0.6	0.5	17.2
Pays for Electricity for Room Air-Conditioning					
Yes	21.9	5.5	3.6	1.9	6.2
No	1.5	Q	Q	Q	34.6

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-11a. Air Conditioning by South Census Region,
Million U.S. Households, 2001**

Air Conditioning 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	0.8	1.2	1.3	1.4	
Households With Electric Air-Conditioning Equipment	82.9	37.2	19.3	6.4	11.5	1.5
Air Conditioners Not Used	2.1	0.4	Q	Q	Q	28.2
Households Using Electric Air-Conditioning¹	80.8	36.9	19.0	6.4	11.5	1.6
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	57.5	30.4	16.1	5.0	9.2	2.8
Without a Heat Pump	46.2	22.1	10.4	3.4	8.3	5.6
With a Heat Pump	11.3	8.3	5.7	1.6	0.9	14.6
Room Air-Conditioning	23.3	6.4	2.9	1.3	2.2	9.0
1 Unit	12.8	2.9	1.3	0.6	0.9	10.2
2 Units	7.5	2.6	1.3	0.5	0.8	12.0
3 or More Units	3.0	1.0	0.3	0.2	0.5	22.4
Number of Rooms Air-Conditioned in Summer 2001						
One or Two	12.3	3.0	1.6	0.5	0.8	15.8
Three	9.2	3.7	1.5	0.6	1.6	12.3
Four	12.0	5.6	2.9	1.0	1.7	9.4
Five or More	47.3	24.6	13.0	4.3	7.3	3.9
Percentage of Rooms Air-Conditioned						
100%	58.8	30.2	15.3	5.3	9.6	2.4
50% to 99%	12.1	4.5	2.6	0.6	1.3	9.9
25% to 49%	6.4	1.3	0.8	0.2	0.4	17.8
1% to 24%	3.5	0.7	0.4	0.2	Q	20.3
Large Tree(s) that Shade the Home						
Yes	41.5	20.1	9.7	3.6	6.8	5.0
No	39.3	16.8	9.3	2.8	4.7	6.5
Central Air-Conditioner Age (excludes systems for more than one housing unit)						
Less than 2 Years	6.1	3.2	1.5	0.7	1.0	12.4
2 to 4 Years	10.1	5.5	3.1	0.9	1.6	11.8
5 to 9 Years	15.4	8.9	5.0	1.5	2.4	7.1
10 to 19 Years	15.0	7.3	4.2	1.2	1.9	9.0
20 Years or More	5.7	2.4	1.1	0.3	1.0	15.5
Don't Know	3.7	2.2	0.9	0.3	1.1	19.4
Central Air-Conditioning Use						
Only a Few Times	16.8	4.1	2.8	0.7	0.6	11.0
Quite a Bit	12.1	5.5	3.0	0.8	1.7	8.7
All Summer	28.4	20.7	10.3	3.5	6.9	4.5

See footnotes at end of table.

**Table HC4-11a. Air Conditioning by South Census Region,
Million U.S. Households, 2001 (Continued)**

Air Conditioning 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	0.8	1.2	1.3	1.4	
Pays for Electricity for Central Air-Conditioning						
Yes	55.5	29.2	15.5	4.9	8.8	2.8
No	2.0	1.3	0.7	Q	0.5	20.7
Age of Most-Used Room Air Conditioner						
Less than 2 Years	3.1	0.8	0.5	Q	0.3	22.2
2 to 4 Years	5.3	1.4	0.6	0.2	0.5	13.4
5 to 9 Years	6.4	2.1	0.9	0.5	0.7	16.3
10 or 19 Years	4.3	1.1	0.5	0.3	0.3	16.7
20 or More Years	2.0	0.5	Q	Q	Q	28.5
Don't Know	2.2	0.5	Q	Q	0.3	31.3
Room Air-Conditioning Use						
Only a Few Times	13.6	2.3	1.2	0.4	0.6	15.1
Quite a Bit	5.0	1.7	0.9	0.3	0.6	17.5
All Summer	4.7	2.5	0.8	0.6	1.0	14.3
Pays for Electricity for Room Air-Conditioning						
Yes	21.9	6.0	2.6	1.3	2.1	8.6
No	1.5	0.4	Q	Q	Q	39.0

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC4-12a. Air Conditioning by West Census Region,
Million U.S. Households, 2001**

Air Conditioning Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.4	1.2	1.7	1.4	
Households With Electric Air-Conditioning Equipment					
Households With Electric Air-Conditioning Equipment	82.9	10.7	3.4	7.2	7.1
Air Conditioners Not Used	2.1	1.1	0.2	0.9	15.5
Households Using Electric Air-Conditioning¹					
Households Using Electric Air-Conditioning ¹	80.8	9.6	3.2	6.3	7.2
Type of Electric Air-Conditioning Used					
Central Air-Conditioning ²	57.5	7.1	2.6	4.5	8.5
Without a Heat Pump	46.2	5.2	1.8	3.4	11.2
With a Heat Pump	11.3	1.8	0.7	1.1	10.9
Room Air-Conditioning	23.3	2.5	0.6	1.9	10.1
1 Unit	12.8	2.0	0.5	1.5	11.6
2 Units	7.5	0.4	Q	0.3	17.4
3 or More Units	3.0	Q	Q	Q	27.6
Number of Rooms Air-Conditioned in Summer 2001					
One or Two	12.3	1.9	0.5	1.4	11.2
Three	9.2	1.4	0.2	1.1	22.5
Four	12.0	1.8	0.8	1.0	15.9
Five or More	47.3	4.5	1.7	2.8	8.2
Percentage of Rooms Air-Conditioned					
100%	58.8	6.4	2.3	4.1	7.8
50% to 99%	12.1	1.7	0.5	1.3	18.6
25% to 49%	6.4	0.9	0.3	0.6	19.7
1% to 24%	3.5	0.5	Q	0.4	20.4
Large Tree(s) that Shade the Home					
Yes	41.5	4.6	1.4	3.2	7.4
No	39.3	5.0	1.8	3.1	11.2
Central Air-Conditioner Age (excludes systems for more than one housing unit)					
Less than 2 Years	6.1	0.6	0.3	0.3	16.8
2 to 4 Years	10.1	1.5	0.7	0.7	14.6
5 to 9 Years	15.4	1.3	0.5	0.8	14.0
10 to 19 Years	15.0	2.0	0.4	1.5	13.9
20 Years or More	5.7	0.9	0.3	0.6	23.1
Don't Know	3.7	0.6	0.2	0.4	22.9
Central Air-Conditioning Use					
Only a Few Times	16.8	3.9	0.7	3.2	14.1
Quite a Bit	12.1	1.4	0.6	0.8	15.7
All Summer	28.4	1.7	1.3	0.4	12.9

See footnotes at end of table.

**Table HC4-12a. Air Conditioning by West Census Region,
Million U.S. Households, 2001 (Continued)**

Air Conditioning Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.4	1.2	1.7	1.4	
Pays for Electricity for Central Air-Conditioning					
Yes	55.5	6.8	2.4	4.4	8.3
No	2.0	0.2	0.2	Q	33.9
Age of Most-Used Room Air Conditioner					
Less than 2 Years	3.1	0.3	Q	0.2	20.4
2 to 4 Years	5.3	0.5	Q	0.5	18.5
5 to 9 Years	6.4	0.5	Q	0.3	16.2
10 or 19 Years	4.3	0.5	0.2	0.3	22.7
20 or More Years	2.0	0.4	Q	0.3	26.9
Don't Know	2.2	0.4	Q	0.3	29.9
Room Air-Conditioning Use					
Only a Few Times	13.6	1.8	0.4	1.4	12.3
Quite a Bit	5.0	0.5	0.2	0.3	22.9
All Summer	4.7	0.2	Q	Q	26.9
Pays for Electricity for Room Air-Conditioning					
Yes	21.9	2.4	0.6	1.8	10.2
No	1.5	Q	Q	Q	53.5

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

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, B, C of the 2001 Residential Energy Consumption Survey.

2001 Housing Characteristics Tables

Appliances Tables

(Million U.S. Households; 60 pages, 240 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 HC5-1a. Appliances by Climate Zone,
Million U.S. Households, 2001**

Appliance Types and 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:	0.4	1.9	1.1	1.1	1.2	1.1	
Total	107.0	9.2	28.6	24.0	21.0	24.1	7.8
Kitchen Appliances							
Cooking Appliances							
Oven	101.7	9.1	27.9	23.1	19.4	22.2	7.8
1	95.2	8.7	26.0	21.6	17.7	21.2	7.9
2 or More	6.5	0.4	1.9	1.5	1.7	1.0	14.7
Most Used Oven	101.7	9.1	27.9	23.1	19.4	22.2	7.8
Electric	63.0	6.4	16.4	13.3	11.3	15.5	8.1
Natural Gas	34.3	1.8	10.4	8.9	7.4	5.9	9.5
LPG	4.4	1.0	1.0	0.9	0.7	0.8	24.1
Other	Q	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven ...	48.2	4.7	15.1	10.8	8.1	9.6	7.8
Continuous	11.2	0.9	3.7	2.3	1.8	2.5	15.7
Manual Start	37.0	3.7	11.4	8.5	6.3	7.1	8.5
Range	105.7	9.2	28.3	23.8	20.6	23.8	7.8
1	100.5	8.9	26.7	22.6	19.3	23.0	7.9
2 or More	5.2	0.3	1.5	1.2	1.3	0.7	15.8
Most Used Range	105.7	9.2	28.3	23.8	20.6	23.8	7.8
Electric	64.2	6.4	16.3	13.6	11.7	16.3	8.3
Natural Gas	36.7	1.8	10.9	9.3	8.1	6.7	9.5
LPG	4.7	1.0	1.1	1.0	0.8	0.8	23.7
Other	Q	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	Q	0.5	0.6	0.6	1.0	22.3
Electric	1.8	Q	0.4	0.3	0.3	0.6	28.0
Natural Gas	1.0	Q	Q	0.3	0.2	0.3	31.7
LPG	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers							
Refrigerators	106.8	9.2	28.6	24.0	20.9	24.1	7.8
1	88.7	7.3	23.3	20.0	17.6	20.6	8.0
2 or More	18.1	2.0	5.3	4.1	3.3	3.5	9.9
Most-Used Refrigerator							
Defrost Method							
Frost-Free	96.9	8.0	25.7	21.8	19.1	22.3	7.8
Manual	9.9	1.3	2.9	2.2	1.8	1.7	14.5
Type of Refrigerator							
2-Doors (top and bottom)	73.0	6.8	20.5	16.6	13.3	15.8	7.1
2-Doors (side-by-side)	27.1	1.8	6.5	5.7	6.4	6.7	9.3
Regular (single door)	5.7	0.5	1.4	1.5	1.0	1.3	15.3
Half-Size/Other	1.0	Q	Q	0.2	0.3	0.3	28.5

See footnotes at end of table.

**Table HC5-1a. Appliances by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.9	1.1	1.1	1.2	1.1	
Age of Refrigerator							
Less than 2 Years	14.5	0.9	4.0	3.0	3.0	3.6	10.5
2 to 4 Years	20.7	1.6	5.0	5.3	4.1	4.6	10.1
5 to 9 Years	31.1	2.7	7.8	6.8	6.6	7.3	7.4
10 to 19 Years	26.7	2.7	7.6	5.8	5.2	5.4	10.6
20 Years or More	7.1	0.9	2.2	1.6	0.9	1.5	15.6
Don't Know	6.7	0.5	2.0	1.5	1.1	1.6	16.1
Size of Refrigerator							
Very Small (Less than 11 cf)	0.6	Q	Q	Q	Q	Q	59.8
Small (11-14 cf)	5.7	0.7	1.6	1.2	0.8	1.3	17.7
Medium (15-18 cf)	52.2	4.6	14.2	12.6	10.0	10.8	8.2
Large (19-22 cf)	43.0	3.5	11.5	9.0	8.9	10.2	7.8
Very Large (23 or More cf)	5.3	0.3	1.1	1.1	1.1	1.6	18.3
Through-the-Door Ice/Water Service							
Yes	22.1	1.2	5.1	4.4	5.4	5.9	9.6
No	84.9	8.0	23.6	19.6	15.6	18.1	7.9
Freezer (separate)							
1	34.2	4.3	9.3	7.6	6.2	6.8	11.2
2 or more	30.8	3.5	8.6	7.0	5.7	6.1	10.6
	3.4	0.8	0.8	0.6	0.5	0.8	25.0
Most-Used Freezer							
Defrost Method							
Frost-Free	12.2	1.3	3.2	2.4	2.0	3.3	13.4
Manual	22.0	3.0	6.1	5.2	4.2	3.6	12.4
Type of Freezer							
Upright	17.8	1.9	5.4	3.8	3.4	3.4	10.5
Chest	16.5	2.4	4.0	3.8	2.8	3.5	14.9
Age of Freezer							
Less than 2 Years	3.1	0.3	0.9	0.6	0.6	0.8	20.3
2 to 4 Years	4.6	0.5	1.5	1.0	0.7	0.9	16.7
5 to 9 Years	6.8	0.9	1.7	1.6	1.2	1.4	15.0
10 to 19 Years	11.7	1.4	2.9	2.7	2.4	2.3	13.6
20 Years or More	7.3	1.2	2.2	1.5	1.2	1.2	17.2
Don't Know	0.6	Q	Q	Q	Q	Q	49.0
Freezer Size							
Very Small (Less than 11 cf)	2.5	0.4	0.7	0.5	0.5	0.4	21.4
Small (11-14 cf)	8.2	1.0	2.3	1.6	1.4	1.9	15.1
Medium (15-18 cf)	13.3	1.5	3.5	3.1	2.1	2.9	14.7
Large (19-22 cf)	8.7	1.3	2.3	2.0	1.6	1.4	13.7
Very Large (23 or More cf)	1.6	0.1	0.4	0.3	0.5	Q	27.8
Other Kitchen Appliances							
Dishwasher	56.7	4.7	14.7	12.3	11.2	13.7	7.4
Electric Coffee Makers	65.5	6.7	18.0	14.7	12.1	13.9	7.9
Electric Toaster Oven	36.1	1.9	8.2	9.1	7.6	9.3	8.8
Microwave Oven	92.1	8.8	24.8	20.0	17.9	20.7	7.1

See footnotes at end of table.

**Table HC5-1a. Appliances by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.9	1.1	1.1	1.2	1.1	
Households With Electric							
Air-Conditioning Equipment	82.9	5.4	20.9	20.2	14.2	22.1	8.1
Air Conditioners Not Used	2.1	Q	0.4	0.3	0.8	0.4	22.7
Households Using Electric							
Air-Conditioning ²	80.8	5.3	20.5	19.9	13.4	21.8	8.2
Type of Electric Air-Conditioning Used							
Central Air-Conditioning ³	57.5	3.1	12.9	12.7	10.5	18.2	9.2
Without a Heat Pump	46.2	3.0	12.1	9.8	7.0	14.3	10.7
With a Heat Pump	11.3	Q	0.9	2.9	3.5	3.9	19.1
Room Air-Conditioning	23.3	2.2	7.6	7.2	2.9	3.6	11.3
1 Unit	12.8	1.4	4.5	3.4	1.9	1.5	13.5
2 Units	7.5	0.5	2.2	2.5	0.8	1.4	13.8
3 or More Units	3.0	0.2	0.8	1.2	0.2	0.7	20.1
Entertainment							
Color Television Sets							
1	105.8	9.2	28.4	23.8	20.6	23.8	7.8
2	29.3	3.3	7.8	6.3	5.2	6.8	9.7
3	38.4	3.2	10.3	8.8	7.5	8.6	7.5
4	23.3	1.7	6.3	5.2	4.8	5.3	8.8
5 or More	10.2	0.6	2.9	2.4	2.2	2.0	13.2
5 or More	4.5	0.3	1.2	1.1	0.8	1.2	14.8
Large Screen Television Sets							
1	36.6	3.7	9.3	7.7	6.9	9.0	10.1
2	27.3	2.8	7.1	5.6	5.1	6.7	10.4
3 or More	7.9	0.8	1.8	1.7	1.7	2.0	14.5
3 or More	1.4	Q	0.4	0.5	Q	Q	49.4
Cable/Satellite Dish Antennas							
Cable Network	82.2	7.1	22.6	19.0	15.9	17.6	7.1
Satellite Dish Antenna	68.3	5.4	18.9	16.5	13.1	14.4	7.5
Both	12.0	1.5	3.2	2.3	2.5	2.5	13.7
Both	1.9	0.3	0.5	0.3	0.3	0.6	26.4
Video Cassette Recorders (VCRs) and DVD Players							
1	96.1	8.1	25.8	22.1	18.8	21.3	7.9
2	52.3	4.7	13.2	12.2	10.4	11.9	8.1
3 or More	29.0	2.4	8.1	6.6	5.9	6.0	9.5
3 or More	14.7	0.9	4.6	3.3	2.6	3.4	12.2
Stereo Equipment							
Portable/Boom Box	80.3	7.0	22.0	17.4	16.2	17.7	6.5
Compact Stereo System	26.1	3.3	7.6	5.4	4.9	4.9	10.3
Component Stereo System	36.5	3.5	9.5	8.0	7.1	8.5	7.7
Other System	36.3	2.9	10.3	8.4	7.3	7.4	8.5
Other System	3.1	0.4	1.2	0.5	0.5	0.6	19.3
Clothes Washers and Dryers							
Clothes Washer							
Top loading	84.1	7.9	22.6	17.9	16.3	19.4	7.4
Front loading	81.6	7.6	21.8	17.2	15.9	19.1	7.6
Front loading	2.5	0.2	0.8	0.7	0.4	0.3	20.8

See footnotes at end of table.

**Table HC5-1a. Appliances by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.9	1.1	1.1	1.2	1.1	
Clothes Dryer	78.8	7.6	21.5	16.7	15.0	18.0	7.7
Electric	61.1	6.2	15.3	13.5	11.1	15.0	9.6
Natural Gas	16.9	1.2	6.1	3.0	3.8	2.9	12.8
LPG	0.8	0.2	0.2	Q	Q	Q	33.0
Water Heater Equipment							
Water Heaters	107.0	9.2	28.6	24.0	21.0	24.1	7.8
Electric	40.8	4.0	7.3	8.5	8.1	12.8	10.4
For One Housing Unit	37.7	3.7	6.6	7.7	7.8	12.0	11.5
For Two or More Units	3.1	Q	0.7	0.8	0.3	0.9	25.7
Natural Gas	58.0	3.7	19.1	12.4	12.2	10.6	8.9
For One Housing Unit	50.9	3.3	17.1	9.6	10.7	10.2	9.5
For Two or More Units	7.1	0.4	2.1	2.8	1.4	0.4	20.2
Fuel Oil	4.6	0.8	1.4	2.4	Q	Q	21.1
For One Housing Unit	3.0	0.7	1.2	1.2	Q	Q	25.6
For Two or More Units	1.6	Q	0.2	1.2	Q	Q	33.9
LPG	2.9	0.6	0.8	0.6	0.5	0.4	27.7
Other	0.5	Q	Q	Q	Q	Q	86.5
No Water Heater	Q	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	8.4	25.6	19.2	19.1	22.8	8.5
Age							
Less than 2 Years	11.4	0.9	3.3	2.3	2.2	2.7	12.3
2 to 4 Years	17.3	1.6	4.9	3.5	3.6	3.8	11.6
5 to 9 Years	25.3	2.4	7.0	4.7	5.0	6.1	10.1
10 to 19 Years	21.7	1.7	5.5	4.7	4.3	5.5	11.3
20 Years or More	7.4	0.9	1.8	1.3	1.4	2.1	15.8
Don't Know	9.4	0.4	2.4	2.0	2.3	2.3	14.3
No Separate Heater	2.5	0.6	0.7	0.8	0.3	0.3	22.8
No Water Heater	Q	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	0.9	3.0	4.9	1.9	1.3	15.5
Size							
Small	12.2	0.9	3.5	1.9	2.2	3.7	14.9
Medium	49.4	4.2	12.8	9.5	10.8	12.2	8.5
Large	25.6	2.2	7.2	6.0	5.0	5.2	11.6
Don't Know	3.8	0.4	1.3	0.8	0.4	0.9	24.8
No Separate Heater	2.5	0.6	0.7	0.8	0.3	0.3	22.8
No Water Heater	Q	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	0.9	3.0	4.9	1.9	1.3	15.5
Heaters (other)							
Hot Tub or Spa (heaters)	4.4	0.3	1.0	0.8	1.1	1.2	17.9
Electric	3.3	0.3	0.9	0.6	0.6	0.8	20.6
Natural Gas	0.9	Q	Q	Q	0.4	0.3	33.5
LPG/Other	Q	Q	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	1.3	3.7	3.0	2.8	2.5	11.4
Electric	11.9	1.2	3.4	2.5	2.5	2.3	12.1
Kerosene	1.8	0.2	0.4	0.6	0.3	Q	22.9

See footnotes at end of table.

**Table HC5-1a. Appliances by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.9	1.1	1.1	1.2	1.1	
Swimming Pool (heaters)	1.2	Q	0.3	0.3	0.3	0.3	38.1
Natural Gas	0.8	Q	Q	Q	Q	Q	63.9
Electric/LPG/Other	0.4	Q	Q	Q	Q	Q	78.6
Waterbed Heaters	5.5	0.7	1.8	1.3	0.6	1.2	18.4
1	4.8	0.7	1.6	1.0	0.5	1.1	20.2
2 or More	0.8	Q	0.3	Q	Q	Q	45.1
Used All Year	5.0	0.6	1.7	1.2	0.5	1.0	19.3
1	4.3	0.5	1.4	1.0	0.4	1.0	20.9
2 or More	0.6	Q	0.2	Q	Q	Q	49.3
Other Appliances							
Automobile Block/Engine/ Battery Heater	2.3	1.0	0.9	Q	Q	Q	24.7
Ceiling Fans	69.6	5.9	18.1	14.2	12.3	19.1	8.0
1	22.0	2.5	6.9	4.9	3.5	4.1	10.7
2	15.1	1.5	4.5	3.0	2.8	3.4	12.1
3 or more	32.6	2.0	6.7	6.3	6.0	11.6	10.6
Electric Dehumidifier	12.1	2.6	5.4	3.1	0.6	0.4	16.0
Electric Humidifier	15.6	2.6	6.9	3.7	1.4	1.0	14.6
Evaporative/Swamp Cooler	2.7	Q	0.3	Q	0.6	1.5	26.6
Heated Aquarium	4.5	0.3	1.5	1.0	0.8	0.8	16.6
Outdoor Gas Light ⁴	0.5	Q	Q	0.2	Q	Q	30.6
Pumps (Electric)	21.2	2.6	6.4	4.0	3.4	4.7	13.4
Rechargeable Tools/Appliances	47.7	5.0	13.9	10.3	8.6	9.9	8.9
Swimming Pool (with filters)	6.5	0.3	1.6	1.4	1.2	2.0	16.1
Well Water	13.8	2.3	4.8	2.6	1.7	2.4	18.6

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.

² The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

⁴ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC5-2a. Appliances by Year of Construction,
Million U.S. Households, 2001**

Appliance Types and 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:	0.4	1.5	1.2	1.1	1.2	1.1	0.9	
Total	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
Kitchen Appliances								
Cooking Appliances								
Oven	101.7	14.3	17.2	17.8	12.9	13.7	25.9	4.2
1	95.2	13.1	16.3	16.6	12.1	12.7	24.3	4.4
2 or More	6.5	1.2	0.9	1.1	0.7	1.0	1.6	14.8
Most Used Oven	101.7	14.3	17.2	17.8	12.9	13.7	25.9	4.2
Electric	63.0	10.7	12.9	12.9	7.9	7.6	11.1	5.2
Natural Gas	34.3	3.1	3.5	4.2	4.5	5.5	13.5	7.7
LPG	4.4	0.5	0.8	0.7	0.6	0.6	1.3	18.4
Other	Q	Q	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	8.7	9.5	8.1	5.7	6.2	9.9	6.0
Continuous	11.2	1.7	2.1	2.2	1.0	1.6	2.6	12.8
Manual Start	37.0	7.0	7.4	5.9	4.7	4.6	7.3	6.8
Range	105.7	15.4	18.0	18.4	13.5	14.0	26.5	4.2
1	100.5	14.6	17.3	17.6	12.9	13.1	25.0	4.4
2 or More	5.2	0.8	0.7	0.8	0.6	0.9	1.4	15.8
Most Used Range	105.7	15.4	18.0	18.4	13.5	14.0	26.5	4.2
Electric	64.2	10.9	13.2	13.2	8.2	7.6	11.1	5.1
Natural Gas	36.7	3.9	3.9	4.4	4.8	5.8	13.9	7.5
LPG	4.7	0.5	0.9	0.8	0.6	0.6	1.4	18.0
Other	Q	Q	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	0.7	0.5	0.4	0.3	0.4	0.7	23.0
Electric	1.8	0.4	0.3	0.3	0.3	Q	Q	27.2
Natural Gas	1.0	Q	Q	Q	Q	0.2	0.4	30.6
LPG	Q	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers								
Refrigerators	106.8	15.5	18.2	18.7	13.8	14.1	26.5	4.2
1	88.7	12.0	15.6	15.5	11.7	11.4	22.4	4.5
2 or More	18.1	3.4	2.6	3.2	2.0	2.8	4.1	8.1
Most-Used Refrigerator								
Defrost Method								
Frost-Free	96.9	14.8	16.8	17.1	12.1	12.9	23.2	4.4
Manual	9.9	0.6	1.4	1.7	1.7	1.2	3.3	12.6
Type of Refrigerator								
2-Doors (top and bottom)	73.0	8.8	12.5	13.0	9.8	9.6	19.4	4.5
2-Doors (side-by-side)	27.1	6.1	5.0	4.8	3.2	3.4	4.5	7.7
Regular (single door)	5.7	0.4	0.7	0.9	0.6	1.0	2.1	16.0
Half-Size/Other	1.0	Q	Q	Q	Q	Q	0.5	28.5

See footnotes at end of table.

**Table HC5-2a. Appliances by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.5	1.2	1.1	1.2	1.1	0.9	
Age of Refrigerator								
Less than 2 Years	14.5	3.2	1.8	2.5	2.0	2.0	3.0	9.1
2 to 4 Years	20.7	4.5	2.9	3.2	2.8	2.4	4.8	9.0
5 to 9 Years	31.1	5.7	4.7	4.8	3.4	4.9	7.5	6.2
10 to 19 Years	26.7	1.7	6.8	4.4	3.6	3.2	7.0	7.7
20 Years or More	7.1	Q	0.5	2.1	1.2	1.0	2.2	14.3
Don't Know	6.7	Q	1.6	1.6	0.8	0.6	1.9	15.3
Size of Refrigerator								
Very Small (Less than 11 cf) ...	0.6	Q	Q	Q	Q	Q	0.4	40.8
Small (11-14 cf)	5.7	0.5	1.1	0.9	0.7	0.7	1.7	16.1
Medium (15-18 cf)	52.2	5.6	9.0	9.9	7.1	6.5	14.2	5.5
Large (19-22 cf)	43.0	7.7	7.2	7.3	5.3	6.1	9.4	5.9
Very Large (23 or More cf)	5.3	1.6	0.8	0.6	0.7	0.7	0.9	17.9
Through-the-Door Ice/Water Service								
Yes	22.1	6.0	4.0	3.6	2.5	2.6	3.2	8.3
No	84.9	9.5	14.2	15.1	11.2	11.5	23.4	4.5
Freezer (separate)	34.2	4.7	5.1	5.7	4.7	5.0	9.0	6.6
1	30.8	4.4	4.7	5.4	4.0	4.5	7.9	6.8
2 or more	3.4	0.3	0.5	0.4	0.7	0.5	1.1	18.3
Most-Used Freezer Defrost Method								
Frost-Free	12.2	1.8	1.9	2.1	1.8	1.7	3.0	10.1
Manual	22.0	2.9	3.2	3.7	2.9	3.3	6.0	8.2
Type of Freezer								
Upright	17.8	2.6	2.7	3.3	2.7	2.5	3.8	8.8
Chest	16.5	2.1	2.4	2.5	1.9	2.4	5.2	9.1
Age of Freezer								
Less than 2 Years	3.1	0.6	0.5	0.4	0.4	0.5	0.8	18.2
2 to 4 Years	4.6	1.0	0.7	0.9	0.6	0.5	0.9	15.7
5 to 9 Years	6.8	1.1	1.0	1.0	0.8	1.1	1.8	13.1
10 to 19 Years	11.7	1.4	1.9	2.2	1.6	1.7	3.0	10.6
20 Years or More	7.3	0.6	1.0	1.1	1.2	1.1	2.4	13.4
Don't Know	0.6	Q	Q	Q	Q	Q	Q	39.8
Freezer Size								
Very Small (Less than 11 cf)	2.5	0.4	0.5	0.4	0.3	0.4	0.5	20.7
Small (11-14 cf)	8.2	1.1	1.2	1.4	0.9	1.3	2.3	12.7
Medium (15-18 cf)	13.3	1.7	2.1	2.1	1.9	2.0	3.4	10.4
Large (19-22 cf)	8.7	1.3	1.1	1.6	1.3	1.0	2.3	12.1
Very Large (23 or More cf)	1.6	Q	0.2	0.2	0.3	0.3	0.4	27.8
Other Kitchen Appliances								
Dishwasher	56.7	12.3	12.8	10.4	7.0	6.2	8.1	5.7
Electric Coffee Makers	65.5	10.6	11.2	11.0	8.4	8.8	15.5	4.9
Electric Toaster Oven	36.1	5.3	7.0	6.1	4.9	4.4	8.4	6.9
Microwave Oven	92.1	14.4	15.9	16.5	11.7	12.2	21.4	4.2

See footnotes at end of table.

**Table HC5-2a. Appliances by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.5	1.2	1.1	1.2	1.1	0.9	
Households With Electric								
Air-Conditioning Equipment	82.9	13.6	16.0	14.7	10.4	10.5	17.6	4.7
Air Conditioners Not Used	2.1	Q	0.3	0.5	0.3	0.4	0.5	27.1
Households Using Electric								
Air-Conditioning ²	80.8	13.4	15.8	14.2	10.1	10.2	17.1	4.7
Type of Electric Air-Conditioning Used								
Central Air-Conditioning ³	57.5	12.6	13.7	11.0	7.1	6.6	6.4	5.9
Without a Heat Pump	46.2	10.1	10.4	8.0	6.1	5.9	5.7	7.0
With a Heat Pump	11.3	2.5	3.3	3.0	1.0	0.8	0.6	15.2
Room Air-Conditioning	23.3	0.8	2.1	3.1	3.1	3.5	10.8	8.7
1 Unit	12.8	0.5	1.2	2.0	1.7	1.7	5.7	11.4
2 Units	7.5	0.2	0.8	1.0	0.8	1.3	3.3	13.8
3 or More Units	3.0	Q	Q	0.2	0.5	0.5	1.7	20.8
Entertainment								
Color Television Sets	105.8	15.3	17.9	18.6	13.6	14.1	26.3	4.2
1	29.3	2.9	4.6	5.5	4.1	3.6	8.8	7.7
2	38.4	5.4	6.3	7.2	4.5	5.3	9.7	5.6
3	23.3	4.1	4.4	3.5	3.3	3.0	5.1	7.5
4	10.2	2.1	1.9	1.7	1.2	1.4	1.9	12.0
5 or More	4.5	1.0	0.8	0.6	0.5	0.8	0.8	16.0
Large Screen Television Sets	36.6	6.4	6.5	6.2	4.7	4.8	8.1	6.9
1	27.3	4.9	4.6	4.9	3.6	3.5	5.9	7.5
2	7.9	1.3	1.7	1.2	1.0	1.1	1.7	13.9
3 or More	1.4	Q	0.2	Q	Q	Q	0.5	37.3
Cable/Satellite Dish Antennas ...	82.2	12.7	14.3	14.7	10.6	11.3	18.5	4.4
Cable Network	68.3	9.6	11.9	11.7	9.3	10.0	15.7	5.0
Satellite Dish Antenna	12.0	2.9	2.0	2.5	1.2	1.2	2.3	11.4
Both	1.9	0.3	0.4	0.5	Q	Q	0.4	25.0
Video Cassette Recorders (VCRs) and DVD Players	96.1	14.5	16.7	16.7	12.2	12.7	23.3	4.4
1	52.3	6.8	8.6	9.1	6.7	7.1	14.0	5.6
2	29.0	4.6	4.8	5.4	4.0	3.8	6.4	7.0
3 or More	14.7	3.1	3.3	2.2	1.5	1.9	2.9	9.8
Stereo Equipment	80.3	12.4	14.1	14.2	10.4	10.8	18.2	4.2
Portable/Boom Box	26.1	3.9	4.6	4.6	3.6	3.0	6.5	7.4
Compact Stereo System	36.5	5.7	6.9	5.8	4.4	5.1	8.7	6.3
Component Stereo System	36.3	6.5	6.5	6.5	4.5	4.6	7.7	6.7
Other System	3.1	0.4	0.2	0.7	0.5	0.5	0.8	20.4
Clothes Washers and Dryers								
Clothes Washer	84.1	13.8	14.8	13.9	10.1	11.8	19.7	4.5
Top loading	81.6	13.4	14.2	13.5	9.9	11.5	19.1	4.6
Front loading	2.5	0.4	0.6	0.4	0.2	0.3	0.6	22.4

See footnotes at end of table.

**Table HC5-2a. Appliances by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.5	1.2	1.1	1.2	1.1	0.9	
Clothes Dryer	78.8	13.6	14.2	13.0	9.5	10.7	17.9	4.7
Electric	61.1	10.8	11.8	10.9	7.1	7.6	12.8	5.5
Natural Gas	16.9	2.7	2.2	1.9	2.3	3.1	4.8	11.6
LPG	0.8	Q	Q	0.2	Q	Q	0.2	35.6
Water Heater Equipment								
Water Heaters	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
Electric	40.8	6.4	9.8	9.8	4.1	4.1	6.7	6.8
For One Housing Unit	37.7	5.9	9.1	8.8	3.8	3.8	6.3	7.2
For Two or More Units	3.1	Q	0.6	1.0	0.3	0.2	0.4	23.9
Natural Gas	58.0	8.3	7.7	7.8	8.6	8.8	16.9	6.4
For One Housing Unit	50.9	8.1	7.1	6.7	7.1	7.9	14.0	6.9
For Two or More Units	7.1	Q	0.6	1.2	1.4	0.9	2.9	16.2
Fuel Oil	4.6	0.2	0.3	0.5	0.7	0.9	2.0	20.2
For One Housing Unit	3.0	0.2	0.2	0.4	0.4	0.6	1.1	23.0
For Two or More Units	1.6	Q	Q	Q	0.3	0.3	0.9	32.1
LPG	2.9	0.5	0.4	0.7	0.2	0.3	0.8	23.2
Other	0.5	Q	Q	Q	Q	Q	Q	70.3
No Water Heater	Q	Q	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	14.7	16.9	16.6	11.7	12.8	22.4	4.6
Age								
Less than 2 Years	11.4	2.4	1.7	1.9	1.4	1.5	2.6	10.5
2 to 4 Years	17.3	4.2	2.2	2.7	1.8	2.4	4.0	9.5
5 to 9 Years	25.3	6.6	3.4	3.6	3.1	3.3	5.3	8.3
10 to 19 Years	21.7	1.3	6.9	3.2	2.8	2.8	4.6	8.7
20 Years or More	7.4	Q	0.6	2.5	1.0	1.1	2.1	14.5
Don't Know	9.4	Q	1.8	2.0	1.1	1.3	3.0	12.6
No Separate Heater	2.5	Q	0.2	0.6	0.4	0.3	0.8	22.7
No Water Heater	Q	Q	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	0.7	1.3	2.2	2.1	1.4	4.1	15.1
Size								
Small	12.2	1.2	2.6	2.5	1.6	1.4	3.0	12.0
Medium	49.4	7.6	8.7	8.4	5.9	7.3	11.5	5.9
Large	25.6	4.8	4.6	4.3	3.2	3.1	5.6	8.0
Don't Know	3.8	0.5	0.7	0.6	0.4	0.5	1.1	22.0
No Separate Heater	2.5	Q	0.2	0.6	0.4	0.3	0.8	22.7
No Water Heater	Q	Q	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	0.7	1.3	2.2	2.1	1.4	4.1	15.1
Heaters (other)	4.4	1.3	1.0	0.9	0.3	0.4	0.5	18.7
Hot Tub or Spa (heaters)	3.3	0.9	0.9	0.6	0.3	0.3	0.4	20.8
Electric	0.9	0.3	Q	Q	Q	Q	Q	32.9
Natural Gas	Q	Q	Q	Q	Q	Q	Q	NF
LPG/Other	13.4	1.4	1.8	2.2	1.7	2.1	4.3	9.6
Portable Space (heaters)	11.9	1.1	1.6	1.9	1.5	1.9	3.8	10.0
Electric	1.8	0.3	Q	0.3	Q	Q	0.6	23.3
Kerosene								

See footnotes at end of table.

**Table HC5-2a. Appliances by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	1.5	1.2	1.1	1.2	1.1	0.9	
Swimming Pool (heaters)	1.2	0.4	0.2	Q	Q	Q	Q	30.5
Natural Gas	0.8	0.4	Q	Q	Q	Q	Q	35.8
Electric/LPG/Other	0.4	Q	Q	Q	Q	Q	Q	63.8
Waterbed Heaters	5.5	0.8	1.2	1.0	0.7	0.6	1.2	15.4
1	4.8	0.7	1.0	0.8	0.6	0.5	1.2	17.1
2 or More	0.8	Q	Q	Q	Q	Q	Q	46.8
Used All Year	5.0	0.8	1.0	0.9	0.6	0.6	1.1	16.4
1	4.3	0.6	0.9	0.8	0.4	0.5	1.0	18.2
2 or More	0.6	Q	Q	Q	Q	Q	Q	52.9
Other Appliances								
Automobile Block/Engine/ Battery Heater	2.3	0.3	0.2	0.4	0.3	0.3	0.9	24.2
Ceiling Fans	69.6	12.0	13.1	11.2	8.5	8.9	15.9	4.9
1	22.0	3.2	4.0	3.8	2.7	2.7	5.5	8.3
2	15.1	2.6	2.5	2.1	2.0	2.0	3.9	10.0
3 or more	32.6	6.2	6.6	5.3	3.8	4.1	6.5	7.2
Electric Dehumidifier	12.1	1.4	1.7	1.6	1.5	2.3	3.6	12.2
Electric Humidifier	15.6	2.3	2.8	2.4	1.9	2.1	4.1	10.0
Evaporative/Swamp Cooler	2.7	0.2	0.4	0.7	0.4	0.3	0.7	29.6
Heated Aquarium	4.5	0.7	0.9	0.9	0.5	0.6	0.9	16.1
Outdoor Gas Light ⁴	0.5	Q	Q	Q	Q	Q	Q	37.3
Pumps (Electric)	21.2	4.2	4.0	4.1	2.5	2.2	4.1	9.5
Rechargeable Tools/Appliances ...	47.7	8.1	8.3	8.2	6.1	6.5	10.5	6.0
Swimming Pool (with filters)	6.5	1.0	1.4	1.4	0.9	0.8	1.0	15.3
Well Water	13.8	2.5	2.5	2.7	1.8	1.3	3.0	12.7

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 number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

⁴ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC5-3a. Appliances by Household Income, Million U.S. Households, 2001

Appliance Types and 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:	0.5	1.4	1.1	1.0	0.8	1.6	1.0	
Total	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.2
Kitchen Appliances								
Cooking Appliances								
Oven	101.7	18.0	22.0	26.1	35.6	14.4	32.6	3.2
1	95.2	17.3	21.1	24.8	32.0	13.8	31.1	3.4
2 or More	6.5	0.8	0.9	1.3	3.6	0.6	1.5	13.1
Most Used Oven	101.7	18.0	22.0	26.1	35.6	14.4	32.6	3.2
Electric	63.0	10.1	12.9	16.2	23.8	7.6	17.5	4.0
Natural Gas	34.3	7.1	7.8	8.6	10.9	6.1	13.2	6.3
LPG	4.4	0.9	1.4	1.3	0.9	0.7	1.9	15.7
Other	Q	Q	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	4.1	8.5	12.4	23.2	3.0	9.6	5.2
Continuous	11.2	1.0	2.0	3.0	5.2	0.7	2.5	12.2
Manual Start	37.0	3.1	6.5	9.4	18.0	2.3	7.1	5.9
Range	105.7	18.5	22.5	26.9	37.7	14.8	33.3	3.2
1	100.5	17.7	21.7	25.7	35.5	14.2	31.7	3.3
2 or More	5.2	0.8	0.9	1.2	2.3	0.6	1.6	13.7
Most Used Range	105.7	18.5	22.5	26.9	37.7	14.8	33.3	3.2
Electric	64.2	10.4	13.2	16.5	24.2	7.9	17.9	4.1
Natural Gas	36.7	7.3	8.0	9.1	12.4	6.3	13.5	6.3
LPG	4.7	0.9	1.4	1.3	1.1	0.7	1.9	15.5
Other	Q	Q	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	0.6	0.3	0.8	1.4	0.5	0.7	21.2
Electric	1.8	0.3	0.1	0.5	0.8	Q	0.4	28.8
Natural Gas	1.0	0.2	Q	0.2	0.4	0.2	0.3	28.6
LPG	Q	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers								
Refrigerators	106.8	18.6	22.8	27.1	38.3	14.9	33.7	3.2
1	88.7	17.6	20.1	22.6	28.5	14.0	30.2	3.4
2 or More	18.1	1.0	2.8	4.5	9.8	0.9	3.5	8.2
Most-Used Refrigerator								
Defrost Method								
Frost-Free	96.9	15.5	19.9	25.0	36.5	12.3	28.6	3.5
Manual	9.9	3.1	2.9	2.1	1.8	2.6	5.1	9.7
Type of Refrigerator								
2-Doors (top and bottom)	73.0	14.9	16.7	19.0	22.5	11.7	25.6	3.6
2-Doors (side-by-side)	27.1	1.8	4.2	6.6	14.5	1.7	5.1	7.6
Regular (single door)	5.7	1.7	1.7	1.3	1.0	1.3	2.7	12.2
Half-Size/Other	1.0	0.3	0.2	0.3	0.3	0.2	0.4	27.3

See footnotes at end of table.

**Table HC5-3a. Appliances by Household Income,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.5	1.4	1.1	1.0	0.8	1.6	1.0	
Age of Refrigerator								
Less than 2 Years	14.5	2.4	2.7	3.5	5.9	2.2	4.5	7.6
2 to 4 Years	20.7	3.0	4.0	5.0	8.6	2.5	6.2	7.4
5 to 9 Years	31.1	5.1	6.5	8.0	11.7	4.2	9.5	5.2
10 to 19 Years	26.7	3.8	5.6	7.8	9.4	2.8	7.2	6.6
20 Years or More	7.1	2.3	2.0	1.4	1.5	1.5	3.1	11.5
Don't Know	6.7	2.1	2.0	1.5	1.2	1.7	3.2	11.5
Size of Refrigerator								
Very Small (Less than 11 cf) ...	0.6	0.3	0.2	Q	Q	0.3	0.5	28.2
Small (11-14 cf)	5.7	2.0	1.6	1.2	0.9	1.5	2.9	12.8
Medium (15-18 cf)	52.2	10.7	13.2	13.9	14.4	8.5	19.1	4.5
Large (19-22 cf)	43.0	5.4	7.1	11.0	19.5	4.4	10.4	5.4
Very Large (23 or More cf)	5.3	0.2	0.7	1.0	3.4	0.2	0.8	18.1
Through-the-Door Ice/Water Service								
Yes	22.1	1.1	2.9	5.2	12.8	1.1	3.6	7.9
No	84.9	17.6	20.0	21.9	25.5	13.9	30.2	3.5
Freezer (separate)								
1	34.2	4.4	6.9	9.2	13.7	3.1	9.2	6.0
2 or more	30.8	3.9	6.1	8.4	12.4	2.9	8.2	6.0
3 or more	3.4	0.4	0.9	0.8	1.3	0.2	1.0	18.3
Most-Used Freezer								
Defrost Method								
Frost-Free	12.2	1.3	2.0	3.2	5.7	1.0	2.9	9.5
Manual	22.0	3.0	4.9	6.0	8.1	2.1	6.3	7.2
Type of Freezer								
Upright	17.8	1.7	3.3	4.5	8.3	1.0	3.6	8.3
Chest	16.5	2.7	3.6	4.7	5.4	2.1	5.6	7.7
Age of Freezer								
Less than 2 Years	3.1	0.5	0.6	1.0	1.1	0.4	0.9	18.4
2 to 4 Years	4.6	0.7	0.8	0.9	2.2	0.5	1.3	14.2
5 to 9 Years	6.8	0.7	1.4	2.0	2.7	0.5	1.8	12.3
10 to 19 Years	11.7	1.3	2.2	3.2	5.0	1.0	2.9	9.7
20 Years or More	7.3	1.0	1.9	2.0	2.5	0.6	2.1	12.0
Don't Know	0.6	Q	0.2	Q	0.2	Q	0.2	34.0
Freezer Size								
Very Small (Less than 11 cf)	2.5	0.5	0.5	0.6	0.8	0.4	0.9	18.0
Small (11-14 cf)	8.2	1.1	1.8	2.3	3.0	0.8	2.5	10.1
Medium (15-18 cf)	13.3	1.8	2.7	3.8	5.0	1.2	3.7	8.7
Large (19-22 cf)	8.7	0.9	1.6	2.0	4.2	0.6	1.9	12.0
Very Large (23 or More cf)	1.6	Q	0.3	0.5	0.7	Q	0.2	26.1
Other Kitchen Appliances								
Dishwasher	56.7	3.3	9.1	14.9	29.3	2.6	9.0	5.4
Electric Coffee Makers	65.5	8.7	12.8	16.7	27.3	6.4	17.2	4.1
Electric Toaster Oven	36.1	5.1	7.7	8.9	14.3	4.1	10.3	5.7
Microwave Oven	92.1	14.0	19.4	23.8	35.0	11.0	26.7	3.3

See footnotes at end of table.

Table HC5-3a. Appliances by Household Income, Million U.S. Households, 2001 (Continued)

Appliance Types and 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:	0.5	1.4	1.1	1.0	0.8	1.6	1.0	
Households With Electric Air-Conditioning Equipment								
Air-Conditioning Equipment	82.9	12.3	17.4	21.5	31.7	9.6	23.4	3.9
Air Conditioners Not Used	2.1	0.4	0.7	0.5	0.5	0.4	0.9	20.8
Households Using Electric Air-Conditioning²								
Air-Conditioning ²	80.8	11.9	16.7	21.0	31.2	9.1	22.6	3.9
Type of Electric Air-Conditioning Used								
Central Air-Conditioning ³	57.5	6.2	10.7	15.2	25.3	4.5	12.4	5.3
Without a Heat Pump	46.2	4.9	9.1	12.1	20.1	3.6	10.4	6.1
With a Heat Pump	11.3	1.3	1.6	3.2	5.2	0.8	2.0	17.0
Room Air-Conditioning	23.3	5.7	6.0	5.8	5.9	4.7	10.1	6.1
1 Unit	12.8	4.0	3.4	2.9	2.5	3.3	6.3	8.1
2 Units	7.5	1.4	1.9	2.2	2.0	1.1	3.1	10.2
3 or More Units	3.0	0.3	0.7	0.7	1.3	0.3	0.8	20.0
Entertainment								
Color Television Sets								
1	105.8	18.1	22.7	26.9	38.0	14.6	33.1	3.3
2	29.3	8.5	8.6	6.5	5.7	6.4	12.4	5.4
3	38.4	6.4	8.5	10.7	12.8	4.8	11.9	4.5
4	23.3	2.5	3.8	6.1	10.9	2.3	5.7	6.7
5	10.2	0.6	1.4	2.6	5.7	0.9	2.4	11.1
5 or More	4.5	Q	0.4	1.1	2.9	0.3	0.7	15.5
Large Screen Television Sets								
1	36.6	4.7	6.7	9.8	15.3	3.8	9.8	6.4
2	27.3	3.7	5.1	7.0	11.4	2.8	7.4	7.1
3	7.9	0.9	1.5	2.2	3.2	0.9	2.1	12.2
3 or More	1.4	Q	Q	0.5	0.7	Q	0.3	35.1
Cable/Satellite Dish Antennas								
Cable Network	82.2	12.1	16.2	20.9	33.0	9.4	22.9	3.6
Satellite Dish Antenna	68.3	11.0	13.4	16.6	27.2	8.5	19.8	4.2
Both	12.0	1.0	2.5	3.8	4.7	0.9	2.7	9.7
Both	1.9	Q	0.3	0.6	1.1	Q	0.3	25.6
Video Cassette Recorders (VCRs) and DVD Players								
1	96.1	13.9	19.8	25.3	37.0	11.7	27.3	3.6
2	52.3	10.0	12.7	14.4	15.3	7.8	17.2	4.5
3	29.0	3.3	5.1	7.9	12.7	2.9	7.4	6.6
3 or More	14.7	0.7	2.0	3.0	9.0	0.9	2.8	10.0
Stereo Equipment								
Portable/Boom Box	80.3	10.2	15.4	20.9	33.8	8.8	21.1	3.5
Compact Stereo System	26.1	3.2	4.7	6.9	11.3	3.1	7.0	6.5
Component Stereo System	36.5	4.7	7.1	9.5	15.3	3.9	9.9	5.2
Other System	36.3	3.1	5.1	9.4	18.7	3.1	7.3	6.1
Other System	3.1	0.6	0.7	0.8	0.9	0.4	1.1	16.7
Clothes Washers and Dryers								
Clothes Washer	84.1	10.7	16.4	22.1	34.9	8.3	22.0	3.9
Top loading	81.6	10.5	16.0	21.6	33.5	8.2	21.5	4.0
Front loading	2.5	0.3	0.4	0.5	1.4	Q	0.6	21.4

See footnotes at end of table.

**Table HC5-3a. Appliances by Household Income,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total	2001 Household Income				Below Poverty Line	Eli- gible for Fed- eral Assist- ance 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:	0.5	1.4	1.1	1.0	0.8	1.6	1.0	
Clothes Dryer	78.8	8.4	15.0	21.3	34.1	6.5	18.7	4.1
Electric	61.1	6.9	12.2	16.8	25.1	5.1	15.1	5.0
Natural Gas	16.9	1.4	2.6	4.2	8.7	1.3	3.4	11.2
LPG	0.8	Q	Q	0.3	0.3	Q	0.3	32.1
Water Heater Equipment								
Water Heaters	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.2
Electric	40.8	8.3	9.5	10.6	12.4	6.2	14.0	6.0
For One Housing Unit	37.7	7.2	8.7	10.0	11.8	5.6	12.7	6.6
For Two or More Units	3.1	1.1	0.8	0.7	0.5	0.7	1.4	21.0
Natural Gas	58.0	9.3	11.7	14.1	23.0	7.8	17.6	5.0
For One Housing Unit	50.9	6.8	9.9	12.5	21.7	5.6	13.6	5.7
For Two or More Units	7.1	2.5	1.8	1.6	1.2	2.2	4.0	12.5
Fuel Oil	4.6	0.6	0.9	1.3	1.9	0.4	1.1	16.3
For One Housing Unit	3.0	0.2	0.5	0.8	1.5	0.2	0.6	19.7
For Two or More Units	1.6	0.3	0.4	0.5	0.4	0.3	0.5	26.4
LPG	2.9	0.4	0.7	1.0	0.8	0.4	0.9	19.2
Other	0.5	Q	Q	Q	0.2	Q	Q	50.6
No Water Heater	Q	Q	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	14.7	19.9	24.3	36.1	11.8	27.8	3.8
Age								
Less than 2 Years	11.4	1.5	2.1	2.9	4.9	1.2	2.9	9.7
2 to 4 Years	17.3	2.2	3.7	4.5	6.9	1.9	4.7	8.2
5 to 9 Years	25.3	3.2	5.0	6.2	10.9	2.5	6.4	7.4
10 to 19 Years	21.7	3.0	4.1	6.0	8.6	2.2	5.5	7.7
20 Years or More	7.4	2.0	1.7	1.8	2.0	1.3	2.9	11.9
Don't Know	9.4	2.4	2.7	2.4	1.9	2.1	4.4	9.4
No Separate Heater	2.5	0.5	0.6	0.6	0.9	0.5	0.9	17.8
No Water Heater	Q	Q	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	4.0	3.0	2.7	2.2	3.2	6.0	10.3
Size								
Small	12.2	3.2	3.7	2.6	2.7	2.4	5.0	9.3
Medium	49.4	7.1	11.2	13.4	17.7	5.6	14.3	4.9
Large	25.6	2.9	3.3	6.5	12.9	2.3	5.6	7.9
Don't Know	3.8	0.9	1.0	0.9	0.9	0.9	1.7	16.9
No Separate Heater	2.5	0.5	0.6	0.6	0.9	0.5	0.9	17.8
No Water Heater	Q	Q	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	4.0	3.0	2.7	2.2	3.2	6.0	10.3
Heaters (other)								
Hot Tub or Spa (heaters)	4.4	Q	0.4	0.7	3.3	Q	0.4	19.7
Electric	3.3	Q	0.3	0.5	2.5	Q	Q	20.1
Natural Gas	0.9	Q	Q	Q	0.6	Q	Q	29.6
LPG/Other	Q	Q	Q	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	2.4	2.5	3.3	5.3	1.9	4.2	7.9
Electric	11.9	2.2	2.2	2.8	4.7	1.7	3.8	8.5
Kerosene	1.8	0.2	0.3	0.6	0.6	0.3	0.6	21.3

See footnotes at end of table.

**Table HC5-3a. Appliances by Household Income,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.5	1.4	1.1	1.0	0.8	1.6	1.0	
Swimming Pool (heaters)	1.2	Q	Q	Q	1.0	Q	Q	30.5
Natural Gas	0.8	Q	Q	Q	0.7	Q	Q	37.6
Electric/LPG/Other	0.4	Q	Q	Q	0.3	Q	Q	46.7
Waterbed Heaters	5.5	0.2	0.8	1.6	2.9	0.2	0.8	14.6
1	4.8	0.2	0.7	1.4	2.4	0.2	0.7	15.3
2 or More	0.8	Q	Q	Q	0.5	Q	Q	35.0
Used All Year	5.0	0.2	0.7	1.4	2.6	0.2	0.7	15.1
1	4.3	0.2	0.7	1.3	2.2	0.2	0.7	15.6
2 or More	0.6	Q	Q	Q	0.4	Q	Q	38.9
Other Appliances								
Automobile Block/Engine/ Battery Heater	2.3	0.3	0.6	0.8	0.7	0.2	0.7	21.2
Ceiling Fans	69.6	9.1	13.6	18.6	28.3	6.7	18.0	4.1
1	22.0	4.1	5.3	5.8	6.8	3.0	7.6	6.8
2	15.1	2.2	3.1	4.5	5.2	1.6	4.4	8.7
3 or more	32.6	2.9	5.2	8.3	16.2	2.0	5.9	7.0
Electric Dehumidifier	12.1	0.6	1.5	3.2	6.8	0.4	1.8	11.4
Electric Humidifier	15.6	1.6	2.6	3.9	7.6	1.0	3.5	8.5
Evaporative/Swamp Cooler	2.7	0.7	0.7	0.8	0.5	0.6	1.0	23.0
Heated Aquarium	4.5	0.3	0.7	1.3	2.1	0.4	0.9	16.5
Outdoor Gas Light ⁴	0.5	Q	Q	Q	0.3	Q	Q	34.6
Pumps (Electric)	21.2	1.7	3.3	5.3	10.9	1.2	4.1	10.4
Rechargeable Tools/Appliances ...	47.7	3.2	7.9	12.5	24.0	2.4	8.7	5.7
Swimming Pool (with filters)	6.5	Q	0.6	1.4	4.5	Q	0.6	15.2
Well Water	13.8	1.6	2.7	3.7	5.8	1.0	3.4	12.9

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

² The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

⁴ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC5-4a. Appliances by Type of Housing Unit,
Million U.S. Households, 2001**

Appliance Types and 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:	0.4	0.5	1.7	1.6	1.9	
Total	107.0	73.7	9.5	17.0	6.8	4.2
Kitchen Appliances						
Cooking Appliances						
Oven	101.7	69.1	9.4	16.7	6.6	4.3
1	95.2	63.7	8.9	16.2	6.3	4.3
2 or More	6.5	5.4	0.4	0.4	0.2	15.9
Most Used Oven	101.7	69.1	9.4	16.7	6.6	4.3
Electric	63.0	43.3	5.2	10.9	3.6	5.8
Natural Gas	34.3	22.8	4.1	5.7	1.7	7.5
LPG	4.4	3.1	Q	Q	1.2	18.8
Other	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	39.9	2.6	4.1	1.6	7.3
Continuous	11.2	8.9	0.7	1.1	0.5	16.2
Manual Start	37.0	31.0	1.9	3.0	1.1	8.3
Range	105.7	72.8	9.4	16.8	6.7	4.3
1	100.5	68.7	9.0	16.4	6.5	4.4
2 or More	5.2	4.1	0.4	0.4	0.2	16.4
Most Used Range	105.7	72.8	9.4	16.8	6.7	4.3
Electric	64.2	44.3	5.2	11.1	3.7	5.9
Natural Gas	36.7	25.2	4.1	5.6	1.8	7.5
LPG	4.7	3.3	Q	Q	1.2	18.5
Other	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	2.2	0.3	0.4	Q	24.1
Electric	1.8	1.3	Q	0.3	Q	30.0
Natural Gas	1.0	0.7	Q	Q	Q	39.5
LPG	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers						
Refrigerators	106.8	73.6	9.5	16.9	6.8	4.2
1	88.7	56.6	9.0	16.8	6.3	4.5
2 or More	18.1	17.1	0.4	Q	0.5	10.4
Most-Used Refrigerator						
Defrost Method						
Frost-Free	96.9	69.3	7.6	14.3	5.6	4.6
Manual	9.9	4.3	1.8	2.6	1.2	10.6
Type of Refrigerator						
2-Doors (top and bottom)	73.0	45.8	7.6	15.0	4.7	4.3
2-Doors (side-by-side)	27.1	24.3	0.8	0.7	1.3	9.8
Regular (single door)	5.7	3.0	0.9	1.0	0.7	13.6
Half-Size/Other	1.0	0.6	Q	0.3	Q	32.4

See footnotes at end of table.

**Table HC5-4a. Appliances by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	0.5	1.7	1.6	1.9	
Age of Refrigerator						
Less than 2 Years	14.5	10.3	1.2	2.0	1.1	9.6
2 to 4 Years	20.7	14.4	1.9	3.2	1.2	9.5
5 to 9 Years	31.1	23.1	2.5	3.9	1.7	5.9
10 to 19 Years	26.7	19.9	2.0	3.0	1.8	8.0
20 Years or More	7.1	4.3	0.8	1.4	0.6	12.6
Don't Know	6.7	1.7	1.1	3.5	0.4	13.3
Size of Refrigerator						
Very Small (Less than 11 cf) ...	0.6	0.2	Q	Q	Q	59.2
Small (11-14 cf)	5.7	2.3	0.6	2.2	0.6	13.6
Medium (15-18 cf)	52.2	31.4	5.9	11.0	4.0	5.2
Large (19-22 cf)	43.0	34.9	2.6	3.4	2.1	6.5
Very Large (23 or More cf)	5.3	4.9	Q	Q	Q	18.9
Through-the-Door Ice/Water Service						
Yes	22.1	20.4	0.4	Q	1.0	10.4
No	84.9	53.3	9.1	16.8	5.8	4.4
Freezer (separate)						
1	34.2	30.6	1.0	0.7	2.0	8.4
2 or more	30.8	27.4	0.9	0.7	1.9	8.3
	3.4	3.2	Q	Q	Q	22.1
Most-Used Freezer						
Defrost Method						
Frost-Free	12.2	10.9	0.5	0.2	0.6	13.6
Manual	22.0	19.7	0.4	0.5	1.4	10.6
Type of Freezer						
Upright	17.8	16.3	0.3	0.3	0.9	12.7
Chest	16.5	14.3	0.7	0.4	1.1	10.7
Age of Freezer						
Less than 2 Years	3.1	2.6	0.2	Q	0.3	20.6
2 to 4 Years	4.6	4.0	Q	Q	0.3	14.3
5 to 9 Years	6.8	6.2	Q	Q	0.4	13.7
10 to 19 Years	11.7	10.6	0.3	0.3	0.6	14.2
20 Years or More	7.3	6.8	Q	Q	0.3	13.7
Don't Know	0.6	0.5	Q	Q	Q	41.1
Freezer Size						
Very Small (Less than 11 cf)	2.5	1.9	Q	Q	0.3	17.8
Small (11-14 cf)	8.2	7.1	0.3	0.2	0.6	15.2
Medium (15-18 cf)	13.3	12.0	0.4	Q	0.7	11.5
Large (19-22 cf)	8.7	8.1	0.2	Q	0.4	13.6
Very Large (23 or More cf)	1.6	1.5	Q	Q	Q	30.4
Other Kitchen Appliances						
Dishwasher	56.7	44.5	2.6	7.1	2.5	6.6
Electric Coffee Makers	65.5	49.8	4.3	7.3	4.1	5.2
Electric Toaster Oven	36.1	25.9	2.7	5.5	1.9	7.3
Microwave Oven	92.1	65.9	7.6	12.5	6.2	4.2

See footnotes at end of table.

**Table HC5-4a. Appliances by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	0.5	1.7	1.6	1.9	
Households With Electric						
Air-Conditioning Equipment	82.9	58.7	6.5	12.4	5.3	4.9
Air Conditioners Not Used	2.1	1.1	Q	0.6	Q	22.6
Households Using Electric						
Air-Conditioning¹	80.8	57.6	6.3	11.8	5.1	4.9
Type of Electric Air-Conditioning						
Used						
Central Air-Conditioning ²	57.5	43.6	3.2	7.1	3.5	6.7
Without a Heat Pump	46.2	35.0	2.4	6.1	2.7	7.7
With a Heat Pump	11.3	8.6	0.8	1.0	0.8	19.7
Room Air-Conditioning	23.3	13.9	3.1	4.7	1.6	7.7
1 Unit	12.8	6.7	1.9	3.3	0.9	9.2
2 Units	7.5	4.9	0.9	1.0	0.7	12.0
3 or More Units	3.0	2.3	0.3	0.3	Q	21.9
Entertainment						
Color Television Sets						
1	105.8	73.1	9.3	16.6	6.7	4.3
2	29.3	15.3	3.8	7.9	2.4	6.3
3	38.4	26.1	3.4	6.4	2.5	5.3
4	23.3	18.3	1.6	2.0	1.3	7.7
5 or More	10.2	9.2	0.4	0.3	0.4	15.7
	4.5	4.2	Q	Q	Q	14.2
Large Screen Television Sets						
1	36.6	27.5	2.7	4.3	2.1	7.6
2	27.3	20.1	2.1	3.5	1.6	8.1
3 or More	7.9	6.1	0.6	0.7	0.5	14.7
	1.4	1.3	Q	Q	Q	54.4
Cable/Satellite Dish Antennas ...						
Cable Network	82.2	59.2	6.6	11.8	4.6	4.7
Satellite Dish Antenna	68.3	47.6	6.2	11.3	3.2	5.5
Both	12.0	9.9	0.3	0.4	1.3	13.2
	1.9	1.6	Q	Q	Q	30.6
Video Cassette Recorders						
(VCRs) and DVD Players	96.1	67.8	8.3	14.0	6.0	4.6
1	52.3	33.7	5.4	9.8	3.5	5.4
2	29.0	21.7	2.1	3.3	1.8	7.7
3 or More	14.7	12.4	0.8	0.9	0.7	11.6
Stereo Equipment						
Portable/Boom Box	80.3	57.2	6.8	11.6	4.6	4.4
Compact Stereo System	26.1	18.6	2.6	3.4	1.5	7.6
Component Stereo System	36.5	25.2	3.2	6.2	1.9	6.3
Other System	36.3	28.5	2.2	3.7	1.9	6.9
	3.1	2.3	0.4	0.2	0.2	19.8
Clothes Washers and Dryers						
Clothes Washer						
Top loading	84.1	70.0	4.5	3.9	5.8	5.3
Front loading	81.6	67.8	4.4	3.8	5.6	5.4
	2.5	2.2	Q	Q	Q	23.2

See footnotes at end of table.

**Table HC5-4a. Appliances by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	0.5	1.7	1.6	1.9	
Clothes Dryer	78.8	66.4	4.1	3.1	5.2	5.6
Electric	61.1	50.5	3.2	2.7	4.7	7.0
Natural Gas	16.9	15.2	0.9	Q	0.4	14.5
LPG	0.8	0.7	Q	Q	Q	44.6
Water Heater Equipment						
Water Heaters	107.0	73.7	9.5	17.0	6.8	4.2
Electric	40.8	25.2	3.4	7.4	4.9	7.6
For One Housing Unit	37.7	25.1	2.9	4.8	4.9	8.5
For Two or More Units	3.1	Q	0.4	2.5	Q	16.8
Natural Gas	58.0	42.7	5.7	8.1	1.5	6.7
For One Housing Unit	50.9	42.3	3.8	3.3	1.5	8.4
For Two or More Units	7.1	0.3	1.9	4.9	Q	16.2
Fuel Oil	4.6	2.9	0.4	1.3	Q	20.4
For One Housing Unit	3.0	2.9	Q	Q	Q	32.3
For Two or More Units	1.6	Q	0.4	1.2	Q	23.7
LPG	2.9	2.5	Q	Q	0.3	24.4
Other	0.5	0.3	Q	Q	Q	69.6
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	73.2	6.8	8.3	6.8	5.0
Age						
Less than 2 Years	11.4	8.8	1.0	0.6	1.1	11.2
2 to 4 Years	17.3	14.2	0.9	0.9	1.3	11.4
5 to 9 Years	25.3	20.7	1.3	1.6	1.7	9.3
10 to 19 Years	21.7	18.0	1.2	1.1	1.4	10.5
20 Years or More	7.4	5.4	0.7	0.7	0.6	14.8
Don't Know	9.4	4.4	1.7	2.6	0.7	10.9
No Separate Heater	2.5	1.7	Q	0.6	Q	26.1
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	0.5	2.7	8.7	Q	14.4
Size						
Small	12.2	6.8	1.3	2.1	2.0	11.1
Medium	49.4	38.6	3.5	3.7	3.6	6.1
Large	25.6	22.4	1.1	1.2	0.8	11.1
Don't Know	3.8	2.2	0.6	0.6	0.3	21.5
No Separate Heater	2.5	1.7	Q	0.6	Q	26.1
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	0.5	2.7	8.7	Q	14.4
Heaters (other)						
Hot Tub or Spa (heaters)	4.4	4.2	Q	Q	Q	18.6
Electric	3.3	3.1	Q	Q	Q	21.4
Natural Gas	0.9	0.9	Q	Q	Q	40.2
LPG/Other	Q	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	10.4	1.1	0.9	1.0	9.4
Electric	11.9	9.1	1.0	0.9	0.8	10.1
Kerosene	1.8	1.5	Q	Q	0.2	25.9

See footnotes at end of table.

**Table HC5-4a. Appliances by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.4	0.5	1.7	1.6	1.9	
Swimming Pool (heaters)	1.2	1.2	Q	Q	Q	41.6
Natural Gas	0.8	0.8	Q	Q	Q	51.5
Electric/LPG/Other	0.4	0.4	Q	Q	Q	63.4
Waterbed Heaters	5.5	4.6	0.4	Q	0.4	15.6
1	4.8	4.0	0.3	Q	0.3	17.1
2 or More	0.8	0.6	Q	Q	Q	49.8
Used All Year	5.0	4.2	0.4	Q	0.3	15.9
1	4.3	3.7	0.3	Q	0.3	17.0
2 or More	0.6	0.5	Q	Q	Q	54.9
Other Appliances						
Automobile Block/Engine/ Battery Heater	2.3	1.9	Q	0.1	0.2	29.0
Ceiling Fans	69.6	55.1	4.5	6.1	4.0	5.4
1	22.0	13.8	1.9	4.3	2.0	8.0
2	15.1	11.6	1.5	1.0	1.0	10.4
3 or more	32.6	29.7	1.0	0.8	1.0	9.3
Electric Dehumidifier	12.1	11.1	0.6	0.3	0.2	16.6
Electric Humidifier	15.6	12.7	1.0	1.4	0.5	11.1
Evaporative/Swamp Cooler	2.7	2.0	Q	Q	0.4	32.6
Heated Aquarium	4.5	3.2	0.5	0.5	0.3	16.1
Outdoor Gas Light ³	0.5	0.4	Q	Q	Q	41.5
Pumps (Electric)	21.2	19.5	0.2	Q	1.4	12.9
Rechargeable Tools/Appliances ...	47.7	38.8	2.6	3.7	2.6	6.6
Swimming Pool (with filters)	6.5	6.5	Q	Q	Q	17.0
Well Water	13.8	12.3	0.2	Q	1.3	16.1

¹ The number of households, where the end use is electric air-conditioning, does not include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC5-5a. Appliances by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001**

Appliance Types and 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:	0.3	0.4	2.1	3.1	1.3	
Total	72.7	63.2	2.1	1.8	5.7	6.7
Kitchen Appliances						
Cooking Appliances						
Oven	68.3	59.1	2.0	1.7	5.4	7.0
1	62.9	54.1	2.0	1.6	5.2	7.1
2 or More	5.4	5.0	Q	Q	0.2	22.1
Most Used Oven	68.3	59.1	2.0	1.7	5.4	7.0
Electric	43.8	38.3	1.2	1.3	3.0	10.2
Natural Gas	20.7	18.0	0.9	0.4	1.4	12.2
LPG	3.7	2.7	Q	Q	1.0	25.7
Other	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	40.4	36.8	1.1	1.1	1.4	9.9
Continuous	9.2	8.2	0.4	Q	0.4	20.6
Manual Start	31.2	28.6	0.8	0.9	1.0	11.2
Range	71.9	62.4	2.0	1.8	5.7	6.7
1	67.9	58.8	2.0	1.7	5.4	6.8
2 or More	4.0	3.7	Q	Q	0.2	24.5
Most Used Range	71.9	62.4	2.0	1.8	5.7	6.7
Electric	44.9	39.3	1.2	1.3	3.1	10.2
Natural Gas	23.1	20.3	0.9	0.4	1.5	12.1
LPG	4.0	2.9	Q	Q	1.1	26.0
Other	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.2	2.0	Q	Q	Q	40.1
Electric	1.3	1.2	Q	Q	Q	45.3
Natural Gas	0.7	0.6	Q	Q	Q	59.4
LPG	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers						
Refrigerators	72.7	63.2	2.1	1.8	5.7	6.6
1	56.2	47.3	1.9	1.7	5.3	7.1
2 or More	16.4	15.8	Q	Q	0.4	13.6
Most-Used Refrigerator						
Defrost Method						
Frost-Free	68.4	60.2	1.8	1.6	4.8	7.0
Manual	4.3	2.9	0.2	Q	0.9	20.1
Type of Refrigerator						
2-Doors (top and bottom)	44.5	37.7	1.5	1.5	3.8	7.7
2-Doors (side-by-side)	24.6	22.7	0.4	Q	1.2	11.9
Regular (single door)	3.1	2.4	Q	Q	0.5	26.3
Half-Size/Other	0.5	0.4	Q	Q	Q	72.3

See footnotes at end of table.

**Table HC5-5a. Appliances by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.3	0.4	2.1	3.1	1.3	
Age of Refrigerator						
Less than 2 Years	10.3	8.9	Q	Q	1.0	15.6
2 to 4 Years	14.3	12.4	0.5	Q	1.1	14.1
5 to 9 Years	22.4	19.9	0.6	0.4	1.5	9.9
10 to 19 Years	19.9	17.3	0.6	0.6	1.5	11.2
20 Years or More	4.6	3.7	Q	Q	0.4	21.7
Don't Know	1.3	0.9	Q	Q	Q	50.7
Size of Refrigerator						
Very Small (Less than 11 cf) ...	0.2	Q	Q	Q	Q	98.8
Small (11-14 cf)	2.4	1.7	Q	Q	0.4	29.7
Medium (15-18 cf)	30.9	25.7	1.0	0.9	3.4	8.9
Large (19-22 cf)	34.3	30.9	0.9	0.8	1.8	9.4
Very Large (23 or More cf)	4.9	4.7	Q	Q	Q	27.6
Through-the-Door Ice/Water Service						
Yes	20.6	19.3	0.3	Q	1.0	13.6
No	52.1	43.9	1.8	1.6	4.7	7.5
Freezer (separate)						
1	30.2	27.9	0.3	Q	1.9	10.6
2 or more	27.0	24.9	0.3	Q	1.8	10.4
	3.2	3.0	Q	Q	Q	30.4
Most-Used Freezer						
Defrost Method						
Frost-Free	10.7	10.0	Q	Q	0.5	17.5
Manual	19.4	17.9	Q	Q	1.3	13.0
Type of Freezer						
Upright	16.3	15.3	Q	Q	0.9	13.6
Chest	13.8	12.6	Q	Q	1.0	13.7
Age of Freezer						
Less than 2 Years	2.5	2.3	Q	Q	0.2	32.0
2 to 4 Years	4.0	3.6	Q	Q	0.3	20.9
5 to 9 Years	6.1	5.6	Q	Q	0.4	19.1
10 to 19 Years	10.4	9.7	Q	Q	0.6	18.3
20 Years or More	6.7	6.4	Q	Q	0.3	18.8
Don't Know	0.5	0.4	Q	Q	Q	70.2
Freezer Size						
Very Small (Less than 11 cf)	2.0	1.7	Q	Q	0.3	24.3
Small (11-14 cf)	7.2	6.5	Q	Q	0.6	18.3
Medium (15-18 cf)	11.8	11.1	Q	Q	0.6	15.4
Large (19-22 cf)	7.7	7.2	Q	Q	0.4	18.8
Very Large (23 or More cf)	1.4	1.4	Q	Q	Q	45.0
Other Kitchen Appliances						
Dishwasher	45.7	41.2	0.9	1.3	2.3	9.5
Electric Coffee Makers	50.0	44.0	1.2	1.1	3.7	8.3
Electric Toaster Oven	26.2	22.6	1.0	0.9	1.7	10.8
Microwave Oven	65.6	57.2	1.7	1.4	5.3	7.4

See footnotes at end of table.

**Table HC5-5a. Appliances by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.3	0.4	2.1	3.1	1.3	
Households With Electric						
Air-Conditioning Equipment	59.5	51.9	1.5	1.5	4.5	8.2
Air Conditioners Not Used	1.2	1.0	Q	Q	Q	45.6
Households Using Electric						
Air-Conditioning¹	58.2	50.9	1.5	1.4	4.4	8.2
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	44.7	39.9	0.8	1.0	3.1	10.5
Without a Heat Pump	35.6	31.8	0.6	0.9	2.4	11.4
With a Heat Pump	9.1	8.1	Q	Q	0.7	28.0
Room Air-Conditioning	13.5	11.0	0.7	0.4	1.3	11.2
1 Unit	6.3	5.2	0.3	Q	0.7	14.8
2 Units	4.8	3.8	0.3	Q	0.6	19.6
3 or More Units	2.4	2.1	Q	Q	Q	36.7
Entertainment						
Color Television Sets						
1	72.2	62.7	2.1	1.8	5.6	6.8
2	15.6	12.2	0.8	0.8	1.8	11.9
3	25.9	22.3	0.7	0.7	2.2	9.0
4	18.2	16.4	0.5	Q	1.1	11.8
5 or More	8.6	8.1	Q	Q	0.4	19.9
5 or More	3.9	3.7	Q	Q	Q	20.9
Large Screen Television Sets						
1	27.4	24.3	0.7	0.6	1.8	11.2
2	20.3	17.8	0.5	0.5	1.4	12.3
3 or More	6.0	5.4	Q	Q	0.4	21.7
3 or More	1.1	1.1	Q	Q	Q	86.6
Cable/Satellite Dish Antennas ...						
Cable Network	58.8	51.7	1.6	1.5	3.9	8.0
Satellite Dish Antenna	46.9	41.3	1.4	1.5	2.7	8.9
Both	10.2	8.9	Q	Q	1.1	14.3
Both	1.7	1.5	Q	Q	Q	43.3
Video Cassette Recorders (VCRs) and DVD Players						
1	66.7	58.5	1.9	1.4	5.0	7.1
2	33.4	28.4	1.4	0.9	2.8	9.2
3 or More	21.4	19.1	0.3	0.4	1.6	11.9
3 or More	11.9	11.0	Q	Q	0.6	18.1
Stereo Equipment						
Portable/Boom Box	55.6	49.4	1.3	1.2	3.8	8.1
Compact Stereo System	17.8	15.8	0.5	0.3	1.2	12.5
Component Stereo System	24.7	21.7	0.6	0.7	1.7	10.3
Other System	27.6	25.2	0.4	0.4	1.5	11.4
Other System	2.2	1.9	Q	Q	Q	31.6
Clothes Washers and Dryers						
Clothes Washer						
Top loading	68.8	61.4	1.7	0.7	5.0	7.6
Front loading	66.6	59.4	1.6	0.7	4.9	7.6
Front loading	2.2	2.0	Q	Q	Q	31.2

See footnotes at end of table.

**Table HC5-5a. Appliances by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.3	0.4	2.1	3.1	1.3	
Clothes Dryer	65.5	58.7	1.6	0.6	4.6	7.7
Electric	49.9	44.2	1.1	0.6	4.1	9.7
Natural Gas	14.7	13.8	0.4	Q	0.4	19.2
LPG	0.8	0.7	Q	Q	Q	59.8
Water Heater Equipment						
Water Heaters	72.7	63.2	2.1	1.8	5.7	6.7
Electric	26.9	21.4	0.6	0.9	4.0	13.4
For One Housing Unit	26.6	21.3	0.6	0.7	4.0	13.8
For Two or More Units	0.3	Q	Q	Q	Q	102.3
Natural Gas	39.8	36.5	1.2	0.7	1.4	9.9
For One Housing Unit	39.0	36.4	0.9	Q	1.4	10.5
For Two or More Units	0.8	Q	0.3	0.4	Q	22.3
Fuel Oil	3.2	2.7	Q	Q	Q	44.6
For One Housing Unit	2.7	2.7	Q	Q	Q	46.3
For Two or More Units	0.5	Q	Q	Q	Q	103.9
LPG	2.5	2.2	Q	Q	0.3	34.1
Other	0.4	0.3	Q	Q	Q	92.2
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	71.1	62.9	1.5	1.0	5.7	7.4
Age						
Less than 2 Years	9.1	7.6	0.3	Q	1.0	14.5
2 to 4 Years	14.0	12.4	0.2	Q	1.2	14.8
5 to 9 Years	20.5	18.3	0.4	Q	1.5	11.5
10 to 19 Years	18.1	16.2	0.4	0.3	1.2	14.4
20 Years or More	5.1	4.6	Q	Q	0.5	21.9
Don't Know	2.6	2.2	Q	Q	0.3	26.6
No Separate Heater	1.8	1.6	Q	Q	Q	50.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	1.5	0.2	0.6	0.7	Q	26.5
Size						
Small	7.9	5.4	0.4	0.4	1.8	16.1
Medium	37.1	32.9	0.8	0.5	3.0	9.9
Large	21.4	20.4	0.2	Q	0.7	16.0
Don't Know	1.6	1.4	Q	Q	Q	53.4
No Separate Heater	1.8	1.6	Q	Q	Q	50.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	1.5	0.2	0.6	0.7	Q	26.5
Heaters (other)						
Hot Tub or Spa (heaters)	4.2	4.0	Q	Q	Q	25.0
Electric	3.2	3.0	Q	Q	Q	29.0
Natural Gas	0.9	0.9	Q	Q	Q	54.9
LPG/Other	Q	Q	Q	Q	Q	NF
Portable Space (heaters)	9.7	8.5	Q	Q	0.9	14.1
Electric	8.5	7.5	Q	Q	0.7	14.9
Kerosene	1.4	1.2	Q	Q	0.2	37.7

See footnotes at end of table.

**Table HC5-5a. Appliances by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.3	0.4	2.1	3.1	1.3	
Swimming Pool (heaters)	1.2	1.2	Q	Q	Q	55.8
Natural Gas	0.8	0.8	Q	Q	Q	69.1
Electric/LPG/Other	0.4	0.4	Q	Q	Q	85.0
Waterbed Heaters	4.5	4.0	Q	Q	0.4	21.8
1	3.8	3.4	Q	Q	0.3	25.5
2 or More	0.7	0.6	Q	Q	Q	70.7
Used All Year	4.1	3.7	Q	Q	0.3	22.1
1	3.5	3.2	Q	Q	0.3	24.2
2 or More	0.6	0.5	Q	Q	Q	77.4
Other Appliances						
Automobile Block/Engine/ Battery Heater	1.8	1.6	Q	Q	Q	47.1
Ceiling Fans	55.0	49.0	1.3	1.2	3.5	8.2
1	14.2	11.3	0.4	0.8	1.7	13.3
2	11.6	10.1	0.6	Q	0.9	14.8
3 or more	29.2	27.7	0.3	Q	0.9	11.6
Electric Dehumidifier	11.0	10.5	0.3	Q	Q	18.1
Electric Humidifier	12.5	11.5	0.3	Q	0.5	16.2
Evaporative/Swamp Cooler	2.1	1.6	Q	Q	0.4	50.1
Heated Aquarium	3.2	2.8	Q	Q	0.2	24.7
Outdoor Gas Light ³	0.4	0.4	Q	Q	Q	80.6
Pumps (Electric)	19.6	18.2	Q	Q	1.2	15.7
Rechargeable Tools/Appliances ...	38.9	34.8	0.8	0.8	2.4	9.2
Swimming Pool (with filters)	6.4	6.4	Q	Q	Q	22.7
Well Water	12.4	11.2	Q	Q	1.2	20.7

¹ The number of households, where the end use is electric air-conditioning, does not include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC5-6a. Appliances by Type of Rented Housing Unit,
Million U.S. Households, 2001**

Appliance Types and 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		
			0.5	0.8		
Total	34.3	10.5	7.4	15.2	1.1	6.9
Kitchen Appliances						
Cooking Appliances						
Oven	33.4	10.1	7.3	14.9	1.1	7.0
1	32.3	9.6	7.0	14.6	1.1	7.1
2 or More	1.2	0.4	0.4	0.3	Q	29.5
Most Used Oven	33.4	10.1	7.3	14.9	1.1	7.0
Electric	19.1	4.9	4.0	9.6	0.6	9.7
Natural Gas	13.6	4.8	3.2	5.3	0.3	10.7
LPG	0.7	0.4	Q	Q	Q	37.4
Other	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	7.8	3.1	1.5	3.0	Q	14.9
Continuous	2.0	0.7	0.4	0.9	Q	32.5
Manual Start	5.8	2.4	1.1	2.1	Q	15.8
Range	33.8	10.4	7.3	15.0	1.1	7.1
1	32.6	9.9	7.0	14.6	1.1	7.1
2 or More	1.2	0.4	0.4	0.4	Q	28.1
Most Used Range	33.8	10.4	7.3	15.0	1.1	7.1
Electric	19.4	5.0	4.0	9.7	0.6	9.9
Natural Gas	13.7	4.9	3.3	5.2	0.3	10.5
LPG	0.8	0.4	Q	Q	Q	31.5
Other	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	0.8	Q	0.2	0.4	Q	37.1
Electric	0.4	Q	Q	0.3	Q	49.1
Natural Gas	0.3	Q	Q	Q	Q	56.0
LPG	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers						
Refrigerators	34.1	10.5	7.4	15.2	1.1	6.9
1	32.5	9.2	7.1	15.1	1.1	7.1
2 or More	1.6	1.2	0.3	Q	Q	23.7
Most-Used Refrigerator						
Defrost Method						
Frost-Free	28.5	9.1	5.8	12.7	0.9	7.4
Manual	5.6	1.3	1.6	2.4	0.2	15.1
Type of Refrigerator						
2-Doors (top and bottom)	28.5	8.0	6.1	13.5	0.9	7.6
2-Doors (side-by-side)	2.5	1.6	0.4	0.5	Q	23.4
Regular (single door)	2.6	0.7	0.8	0.9	Q	21.0
Half-Size/Other	0.6	Q	Q	0.3	Q	36.8

See footnotes at end of table.

**Table HC5-6a. Appliances by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.5	0.8	1.1	0.9	2.5	
Age of Refrigerator						
Less than 2 Years	4.2	1.4	1.0	1.8	Q	15.8
2 to 4 Years	6.4	2.0	1.5	2.8	Q	15.5
5 to 9 Years	8.8	3.2	1.9	3.5	Q	10.9
10 to 19 Years	6.7	2.6	1.4	2.4	0.3	14.2
20 Years or More	2.6	0.6	0.6	1.2	Q	22.8
Don't Know	5.4	0.7	1.1	3.3	0.2	16.3
Size of Refrigerator						
Very Small (Less than 11 cf) ...	0.4	Q	Q	Q	Q	55.3
Small (11-14 cf)	3.3	0.5	0.5	2.1	Q	19.1
Medium (15-18 cf)	21.3	5.7	5.0	10.1	0.6	8.7
Large (19-22 cf)	8.7	4.1	1.7	2.6	0.3	11.9
Very Large (23 or More cf)	0.4	Q	Q	Q	Q	42.7
Through-the-Door Ice/Water Service						
Yes	1.4	1.1	Q	Q	Q	19.3
No	32.9	9.3	7.3	15.1	1.1	7.0
Freezer (separate)						
1	4.1	2.7	0.7	0.6	Q	17.0
2 or more	3.8	2.6	0.6	0.6	Q	17.6
	0.2	Q	Q	Q	Q	60.7
Most-Used Freezer						
Defrost Method						
Frost-Free	1.4	0.9	0.4	0.2	Q	24.1
Manual	2.6	1.8	0.3	0.4	Q	20.9
Type of Freezer						
Upright	1.4	1.1	Q	0.2	Q	25.7
Chest	2.6	1.6	0.5	0.4	Q	20.1
Age of Freezer						
Less than 2 Years	0.6	0.3	0.2	Q	Q	37.8
2 to 4 Years	0.6	0.4	Q	Q	Q	29.0
5 to 9 Years	0.7	0.6	Q	Q	Q	31.0
10 to 19 Years	1.3	0.9	Q	0.3	Q	24.9
20 Years or More	0.6	0.4	Q	Q	Q	39.1
Don't Know	Q	Q	Q	Q	Q	NF
Freezer Size						
Very Small (Less than 11 cf)	0.5	0.2	Q	Q	Q	39.0
Small (11-14 cf)	1.0	0.6	Q	0.2	Q	31.5
Medium (15-18 cf)	1.4	0.9	0.3	Q	Q	23.8
Large (19-22 cf)	1.0	0.8	Q	Q	Q	21.8
Very Large (23 or More cf)	Q	Q	Q	Q	Q	NF
Other Kitchen Appliances						
Dishwasher	10.9	3.3	1.7	5.8	Q	12.6
Electric Coffee Makers	15.5	5.8	3.2	6.2	0.4	9.4
Electric Toaster Oven	9.9	3.3	1.7	4.7	0.2	13.2
Microwave Oven	26.5	8.7	5.9	11.0	0.9	7.8

See footnotes at end of table.

**Table HC5-6a. Appliances by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.5	0.8	1.1	0.9	2.5	
Households With Electric						
Air-Conditioning Equipment	23.4	6.8	4.9	10.9	0.8	8.8
Air Conditioners Not Used	0.9	Q	Q	0.6	Q	29.4
Households Using Electric						
Air-Conditioning ¹	22.5	6.7	4.8	10.3	0.7	9.0
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	12.7	3.8	2.4	6.1	0.4	13.5
Without a Heat Pump	10.6	3.2	1.9	5.2	0.3	15.3
With a Heat Pump	2.2	0.6	0.6	0.9	Q	31.8
Room Air-Conditioning	9.8	2.9	2.4	4.2	0.3	11.9
1 Unit	6.5	1.6	1.6	3.2	Q	15.3
2 Units	2.7	1.1	0.6	0.9	Q	20.4
3 or More Units	0.6	0.2	Q	Q	Q	37.7
Entertainment						
Color Television Sets						
1	33.6	10.3	7.3	14.9	1.1	6.9
2	13.8	3.0	3.0	7.1	0.6	9.2
3	12.6	3.9	2.7	5.7	0.3	9.9
4	5.1	1.9	1.1	1.8	Q	13.9
5 or More	1.5	1.0	0.3	Q	Q	24.2
5 or More	0.6	0.5	Q	Q	Q	37.3
Large Screen Television Sets						
1	9.2	3.2	2.1	3.6	0.3	11.8
2	7.0	2.3	1.5	3.0	0.2	13.6
3 or More	1.9	0.7	0.5	0.6	Q	23.8
3 or More	0.3	Q	Q	Q	Q	61.8
Cable/Satellite Dish Antennas ...						
Cable Network	23.3	7.4	5.0	10.2	0.7	8.3
Satellite Dish Antenna	21.3	6.3	4.8	9.8	0.5	9.0
Both	1.8	1.0	Q	0.4	0.3	21.3
Both	Q	Q	Q	Q	Q	NF
Video Cassette Recorders (VCRs) and DVD Players						
1	29.3	9.3	6.4	12.6	1.0	7.2
2	18.9	5.3	4.0	8.9	0.7	8.3
3 or More	7.6	2.6	1.8	2.9	Q	11.9
3 or More	2.8	1.4	0.6	0.8	Q	21.8
Stereo Equipment						
Portable/Boom Box	24.7	7.9	5.5	10.4	0.8	8.4
Compact Stereo System	8.3	2.8	2.1	3.1	0.2	12.6
Component Stereo System	11.9	3.6	2.6	5.5	0.2	10.1
Other System	8.7	3.2	1.8	3.3	0.4	12.7
Other System	0.9	0.4	0.4	Q	Q	33.3
Clothes Washers and Dryers						
Clothes Washer						
Top loading	15.3	8.6	2.8	3.2	0.7	10.5
Front loading	15.0	8.4	2.7	3.1	0.7	10.6
Front loading	0.3	Q	Q	Q	Q	60.2

See footnotes at end of table.

**Table HC5-6a. Appliances by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.5	0.8	1.1	0.9	2.5	
Clothes Dryer	13.4	7.7	2.6	2.5	0.6	11.3
Electric	11.1	6.3	2.0	2.2	0.6	11.1
Natural Gas	2.2	1.4	0.5	Q	Q	27.5
LPG	Q	Q	Q	Q	Q	NF
Water Heater Equipment						
Water Heaters	34.3	10.5	7.4	15.2	1.1	6.9
Electric	13.9	3.8	2.7	6.5	0.9	10.5
For One Housing Unit	11.1	3.8	2.3	4.1	0.9	12.1
For Two or More Units	2.8	Q	0.4	2.4	Q	21.4
Natural Gas	18.3	6.2	4.5	7.5	Q	9.8
For One Housing Unit	12.0	5.9	2.9	3.0	Q	13.4
For Two or More Units	6.3	Q	1.6	4.5	Q	13.9
Fuel Oil	1.4	0.2	0.2	1.0	Q	23.6
For One Housing Unit	0.3	0.2	Q	Q	Q	35.2
For Two or More Units	1.1	Q	0.1	1.0	Q	28.7
LPG	0.4	0.3	Q	Q	Q	44.9
Other	Q	Q	Q	Q	Q	NF
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	23.9	10.2	5.3	7.2	1.1	8.5
Age						
Less than 2 Years	2.3	1.2	0.6	0.4	Q	19.9
2 to 4 Years	3.4	1.8	0.6	0.8	Q	21.2
5 to 9 Years	4.8	2.3	1.0	1.4	Q	18.6
10 to 19 Years	3.6	1.8	0.8	0.8	0.2	18.6
20 Years or More	2.3	0.8	0.6	0.7	Q	25.1
Don't Know	6.8	2.1	1.6	2.6	0.5	13.2
No Separate Heater	0.7	Q	Q	0.6	Q	30.9
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	10.4	0.3	2.1	8.0	Q	17.8
Size						
Small	4.3	1.4	0.9	1.7	0.2	16.9
Medium	12.3	5.8	2.7	3.2	0.6	10.7
Large	4.2	2.1	0.9	1.1	Q	18.8
Don't Know	2.2	0.8	0.6	0.6	Q	28.4
No Separate Heater	0.7	Q	Q	0.6	Q	30.9
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	10.4	0.3	2.1	8.0	Q	17.8
Heaters (other)						
Hot Tub or Spa (heaters)	Q	Q	Q	Q	Q	NF
Electric	Q	Q	Q	Q	Q	NF
Natural Gas	Q	Q	Q	Q	Q	NF
LPG/Other	Q	Q	Q	Q	Q	NF
Portable Space (heaters)	3.7	1.9	1.0	0.8	Q	15.2
Electric	3.4	1.6	0.9	0.8	Q	16.7
Kerosene	0.4	0.3	Q	Q	Q	44.6

See footnotes at end of table.

**Table HC5-6a. Appliances by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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:	0.5	0.8	1.1	0.9	2.5	
Swimming Pool (heaters)	Q	Q	Q	Q	Q	NF
Natural Gas	Q	Q	Q	Q	Q	NF
Electric/LPG/Other	Q	Q	Q	Q	Q	NF
Waterbed Heaters	1.1	0.6	0.3	Q	Q	27.7
1	1.0	0.6	0.3	Q	Q	29.1
2 or More	Q	Q	Q	Q	Q	NF
Used All Year	0.9	0.5	0.3	Q	Q	30.1
1	0.8	0.5	0.3	Q	Q	31.0
2 or More	Q	Q	Q	Q	Q	NF
Other Appliances						
Automobile Block/Engine/ Battery Heater	0.5	0.3	Q	0.1	Q	37.2
Ceiling Fans	14.7	6.1	3.2	4.9	0.5	10.7
1	7.8	2.5	1.5	3.5	0.3	13.2
2	3.5	1.6	0.9	0.8	Q	18.5
3 or more	3.4	2.1	0.7	0.6	Q	20.6
Electric Dehumidifier	1.1	0.6	0.3	Q	Q	28.3
Electric Humidifier	3.1	1.1	0.8	1.2	Q	18.3
Evaporative/Swamp Cooler	0.6	0.3	Q	Q	Q	41.4
Heated Aquarium	1.3	0.4	0.3	0.4	Q	27.7
Outdoor Gas Light ³	Q	Q	Q	Q	Q	NF
Pumps (Electric)	1.6	1.3	Q	Q	Q	21.7
Rechargeable Tools/Appliances ...	8.8	4.0	1.8	2.9	Q	12.3
Swimming Pool (with filters)	Q	Q	Q	Q	Q	NF
Well Water	1.4	1.1	Q	Q	Q	22.2

¹ The number of households, where the end use is electric air-conditioning, does not include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC5-7a. Appliances by Four Most Populated States,
Million U.S. Households, 2001**

Appliance Types and Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.2	1.1	1.4	
Total	107.0	7.1	12.3	7.7	6.3	NE
Kitchen Appliances						
Cooking Appliances						
Oven	101.7	6.9	11.4	6.7	6.1	1.6
1	95.2	6.2	10.7	6.3	6.0	2.1
2 or More	6.5	0.7	0.7	0.4	Q	17.4
Most Used Oven	101.7	6.9	11.4	6.7	6.1	1.6
Electric	63.0	2.5	4.5	4.4	5.4	3.9
Natural Gas	34.3	4.0	6.5	2.2	0.5	8.1
LPG	4.4	0.5	0.4	Q	0.2	29.5
Other	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	3.2	4.4	2.3	3.8	5.6
Continuous	11.2	0.7	0.9	0.6	0.7	19.7
Manual Start	37.0	2.5	3.6	1.7	3.1	8.3
Range	105.7	7.0	12.0	7.6	6.2	1.1
1	100.5	6.4	11.6	7.5	6.2	1.0
2 or More	5.2	0.6	0.4	Q	Q	13.2
Most Used Range	105.7	7.0	12.0	7.6	6.2	1.1
Electric	64.2	2.5	4.6	4.7	5.6	4.9
Natural Gas	36.7	4.1	7.0	2.8	0.5	8.7
LPG	4.7	0.5	0.4	Q	0.2	29.8
Other	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	0.1	0.5	0.3	0.1	30.3
Electric	1.8	0.1	0.2	Q	0.1	32.2
Natural Gas	1.0	Q	0.2	0.1	Q	35.3
LPG	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers						
Refrigerators	106.8	7.1	12.3	7.7	6.3	NE
1	88.7	6.1	10.5	6.5	5.6	1.6
2 or More	18.1	0.9	1.7	1.2	0.7	8.9
Most-Used Refrigerator						
Defrost Method						
Frost-Free	96.9	6.4	10.9	7.3	6.0	1.3
Manual	9.9	0.6	1.4	0.4	0.3	15.8
Type of Refrigerator						
2-Doors (top and bottom)	73.0	5.6	7.8	4.7	4.3	3.3
2-Doors (side-by-side)	27.1	0.9	3.6	2.4	1.6	9.4
Regular (single door)	5.7	0.5	0.6	0.4	0.4	13.3
Half-Size/Other	1.0	0.1	0.3	0.2	Q	33.1

See footnotes at end of table.

**Table HC5-7a. Appliances by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.2	1.1	1.4	
RSE Column Factor:						
Age of Refrigerator						
Less than 2 Years	14.5	1.0	1.8	1.1	1.0	9.1
2 to 4 Years	20.7	1.7	2.5	1.4	1.0	11.1
5 to 9 Years	31.1	2.0	3.9	2.4	2.2	4.0
10 to 19 Years	26.7	1.5	2.8	1.6	1.5	9.4
20 Years or More	7.1	0.4	0.5	0.4	0.4	19.6
Don't Know	6.7	0.3	0.8	0.7	0.3	17.0
Size of Refrigerator						
Very Small (Less than 11 cf)	0.6	Q	0.2	Q	Q	40.1
Small (11-14 cf)	5.7	0.5	0.6	0.4	0.3	18.0
Medium (15-18 cf)	52.2	3.7	6.2	3.1	2.7	6.0
Large (19-22 cf)	43.0	2.5	4.5	3.5	2.9	6.2
Very Large (23 or More cf)	5.3	0.3	0.7	0.6	0.5	17.6
Through-the-Door Ice/Water Service						
Yes	22.1	0.5	2.8	2.1	1.6	9.3
No	84.9	6.5	9.6	5.6	4.7	2.3
Freezer (separate)						
1	34.2	1.2	2.2	2.4	1.2	10.4
2 or more	30.8	1.0	2.1	2.1	1.1	9.5
3 or more	3.4	0.2	Q	0.3	Q	23.1
Most-Used Freezer						
Defrost Method						
Frost-Free	12.2	0.5	0.6	1.1	0.7	16.5
Manual	22.0	0.7	1.6	1.3	0.6	10.8
Type of Freezer						
Upright	17.8	0.7	1.6	1.5	0.7	10.9
Chest	16.5	0.5	0.6	1.0	0.5	17.7
Age of Freezer						
Less than 2 Years	3.1	0.1	0.2	0.4	Q	22.0
2 to 4 Years	4.6	0.1	0.2	0.2	0.1	24.7
5 to 9 Years	6.8	0.4	0.5	0.4	0.5	19.9
10 to 19 Years	11.7	0.4	0.8	1.0	0.4	16.5
20 Years or More	7.3	0.2	0.5	0.4	Q	20.1
Don't Know	0.6	Q	Q	Q	Q	44.2
Freezer Size						
Very Small (Less than 11 cf)	2.5	Q	0.2	0.1	Q	20.8
Small (11-14 cf)	8.2	0.3	0.4	0.6	0.4	14.4
Medium (15-18 cf)	13.3	0.3	0.8	0.8	0.6	17.9
Large (19-22 cf)	8.7	0.3	0.5	0.7	Q	15.2
Very Large (23 or More cf)	1.6	0.1	0.2	0.2	Q	31.8
Other Kitchen Appliances						
Dishwasher	56.7	2.8	6.8	4.7	3.6	5.6
Electric Coffee Makers	65.5	4.4	7.0	4.5	3.1	3.7
Electric Toaster Oven	36.1	3.4	4.5	3.1	2.4	6.4
Microwave Oven	92.1	5.2	10.0	6.7	5.4	3.0

See footnotes at end of table.

**Table HC5-7a. Appliances by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.2	1.1	1.4	
RSE Column Factor:						
Households With Electric Air-Conditioning Equipment						
Air-Conditioning Equipment	82.9	4.9	6.0	7.4	6.2	2.4
Air Conditioners Not Used	2.1	0.1	0.8	Q	0.1	24.2
Households Using Electric Air-Conditioning¹						
Air-Conditioning ¹	80.8	4.7	5.2	7.4	6.1	2.6
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	57.5	1.3	3.9	6.2	5.7	6.7
Without a Heat Pump	46.2	1.2	3.2	5.5	3.8	8.1
With a Heat Pump	11.3	Q	0.8	0.6	1.9	15.0
Room Air-Conditioning	23.3	3.4	1.2	1.2	0.3	13.6
1 Unit	12.8	1.6	1.0	0.5	Q	12.2
2 Units	7.5	1.2	0.1	0.4	0.1	17.9
3 or More Units	3.0	0.7	Q	Q	Q	16.8
Entertainment						
Color Television Sets						
Color Television Sets	105.8	7.0	12.2	7.6	6.3	NE
1	29.3	2.1	3.6	1.9	1.7	7.9
2	38.4	3.0	4.4	2.8	2.2	4.7
3	23.3	1.2	2.6	1.8	1.6	7.2
4	10.2	0.4	1.2	0.8	0.5	10.0
5 or More	4.5	0.3	0.5	0.4	0.3	18.7
Large Screen Television Sets						
Large Screen Television Sets	36.6	2.6	4.3	2.9	2.8	8.2
1	27.3	2.3	3.6	2.4	1.9	8.6
2	7.9	0.3	0.7	0.5	0.9	17.3
3 or More	1.4	0.1	Q	Q	Q	39.3
Cable/Satellite Dish Antennas						
Cable/Satellite Dish Antennas	82.2	5.5	8.6	5.1	5.4	2.7
Cable Network	68.3	4.8	7.3	3.9	4.6	4.5
Satellite Dish Antenna	12.0	0.6	1.1	1.0	0.4	12.8
Both	1.9	Q	0.2	Q	0.4	24.5
Video Cassette Recorders (VCRs) and DVD Players						
Video Cassette Recorders (VCRs) and DVD Players	96.1	6.3	11.4	6.7	5.5	1.8
1	52.3	3.8	6.7	3.4	3.2	5.3
2	29.0	2.0	3.1	2.1	1.3	8.5
3 or More	14.7	0.5	1.7	1.2	1.0	11.5
Stereo Equipment						
Stereo Equipment	80.3	5.5	10.0	5.5	4.9	2.2
Portable/Boom Box	26.1	1.4	3.0	1.6	1.3	9.8
Compact Stereo System	36.5	3.0	4.5	2.7	2.2	5.3
Component Stereo System	36.3	2.4	4.5	2.2	2.3	5.2
Other System	3.1	0.2	0.3	0.1	0.2	25.6
Clothes Washers and Dryers						
Clothes Washer	84.1	4.5	8.4	5.9	5.2	3.8
Top loading	81.6	4.4	8.1	5.7	5.1	4.1
Front loading	2.5	0.2	0.3	Q	Q	29.3

See footnotes at end of table.

**Table HC5-7a. Appliances by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.2	1.1	1.4	
RSE Column Factor:	0.4	1.2	1.1	1.4	1.3	
Clothes Dryer	78.8	3.8	8.0	5.7	4.9	4.5
Electric	61.1	2.2	4.3	4.5	4.5	7.5
Natural Gas	16.9	1.6	3.7	1.1	Q	14.6
LPG	0.8	Q	Q	Q	Q	48.5
Water Heater Equipment						
Water Heaters	107.0	7.1	12.3	7.7	6.3	NE
Electric	40.8	0.9	1.8	3.0	5.1	8.4
For One Housing Unit	37.7	0.8	1.4	2.6	4.9	10.3
For Two or More Units	3.1	0.1	0.4	0.5	0.2	24.6
Natural Gas	58.0	4.4	9.9	4.5	1.2	5.5
For One Housing Unit	50.9	2.9	8.5	4.2	1.2	6.5
For Two or More Units	7.1	1.6	1.4	Q	Q	13.0
Fuel Oil	4.6	1.6	Q	Q	Q	19.7
For One Housing Unit	3.0	0.7	Q	Q	Q	23.1
For Two or More Units	1.6	0.9	Q	Q	Q	34.2
LPG	2.9	Q	0.4	Q	Q	30.0
Other	0.5	Q	Q	Q	Q	78.1
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	4.5	10.4	6.8	6.1	3.4
Age						
Less than 2 Years	11.4	0.5	1.1	0.9	0.8	11.2
2 to 4 Years	17.3	0.9	1.7	1.2	0.7	11.4
5 to 9 Years	25.3	1.2	2.3	2.3	1.9	11.5
10 to 19 Years	21.7	0.6	2.5	1.3	1.7	12.3
20 Years or More	7.4	0.4	0.9	0.4	0.3	15.2
Don't Know	9.4	0.4	1.7	0.7	0.5	16.6
No Separate Heater	2.5	0.5	0.3	0.1	Q	22.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	2.6	1.9	0.8	0.2	15.2
Size						
Small	12.2	0.7	1.0	0.9	1.2	13.6
Medium	49.4	2.1	5.9	3.3	3.3	5.7
Large	25.6	0.9	2.8	1.8	1.1	9.5
Don't Know	3.8	0.2	0.3	0.4	0.3	24.2
No Separate Heater	2.5	0.5	0.3	0.1	Q	22.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	2.6	1.9	0.8	0.2	15.2
Heaters (other)	4.4	0.2	0.9	0.6	Q	14.6
Hot Tub or Spa (heaters)	3.3	0.1	0.4	0.4	Q	19.1
Electric	0.9	Q	0.3	0.1	Q	33.7
Natural Gas	0.2	Q	Q	Q	Q	NF
LPG/Other	13.4	1.0	1.6	1.2	0.3	12.1
Portable Space (heaters)	11.9	0.8	1.5	1.1	0.3	13.3
Electric	1.8	0.1	Q	Q	Q	30.0
Kerosene						

See footnotes at end of table.

**Table HC5-7a. Appliances by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
		0.4	1.2	1.1	1.4	
RSE Column Factor:	0.4	1.2	1.1	1.4	1.3	
Swimming Pool (heaters)	1.2	0.1	0.2	Q	Q	39.1
Natural Gas	0.8	Q	Q	Q	Q	57.7
Electric/LPG/Other	0.4	Q	Q	Q	Q	70.9
Waterbed Heaters	5.5	0.2	0.2	0.2	0.5	21.8
1	4.8	0.2	0.2	0.2	0.5	24.9
2 or More	0.8	Q	Q	Q	Q	52.0
Used All Year	5.0	0.2	0.2	0.2	0.5	24.6
1	4.3	0.1	0.2	0.1	0.4	26.2
2 or More	0.6	Q	Q	Q	Q	58.8
Other Appliances						
Automobile Block/Engine/ Battery Heater	2.3	0.1	0.1	Q	Q	30.2
Ceiling Fans	69.6	3.3	5.6	6.4	5.4	3.7
1	22.0	1.7	2.6	1.3	0.8	11.3
2	15.1	0.7	1.6	1.1	0.7	13.0
3 or more	32.6	1.0	1.5	4.0	3.9	9.8
Electric Dehumidifier	12.1	1.0	Q	0.2	Q	11.9
Electric Humidifier	15.6	1.2	0.4	0.4	Q	16.2
Evaporative/Swamp Cooler	2.7	Q	0.4	Q	Q	40.4
Heated Aquarium	4.5	0.2	0.3	0.4	0.2	23.8
Outdoor Gas Light ³	0.5	0.2	0.1	Q	Q	23.1
Pumps (Electric)	21.2	1.0	1.6	1.0	2.1	12.8
Rechargeable Tools/Appliances	47.7	3.1	4.6	3.4	2.8	6.4
Swimming Pool (with filters)	6.5	0.3	0.7	0.3	1.0	17.1
Well Water	13.8	0.6	0.4	0.3	1.5	23.3

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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.

• 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 HC5-8a. Appliances by Urban/Rural Location,
Million U.S. Households, 2001**

Appliance Types and Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
		0.5	0.9	1.4	1.2	
Total	107.0	49.9	18.0	21.2	17.9	4.1
Kitchen Appliances						
Cooking Appliances						
Oven	101.7	47.5	17.5	19.9	16.8	4.2
1	95.2	44.9	16.3	18.3	15.6	4.4
2 or More	6.5	2.6	1.2	1.6	1.1	12.9
Most Used Oven	101.7	47.5	17.5	19.9	16.8	4.2
Electric	63.0	26.3	11.4	13.4	11.9	4.8
Natural Gas	34.3	20.8	5.4	6.3	1.9	7.2
LPG	4.4	0.4	0.7	0.2	3.0	18.1
Other	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	18.6	8.6	12.2	8.7	5.0
Continuous	11.2	4.9	1.5	2.9	2.0	12.1
Manual Start	37.0	13.7	7.2	9.4	6.7	5.5
Range	105.7	49.1	17.8	21.0	17.7	4.1
1	100.5	46.7	16.9	20.2	16.8	4.3
2 or More	5.2	2.5	0.9	0.8	1.0	14.4
Most Used Range	105.7	49.1	17.8	21.0	17.7	4.1
Electric	64.2	27.0	11.3	13.5	12.4	4.8
Natural Gas	36.7	21.7	5.7	7.3	2.0	7.1
LPG	4.7	0.4	0.7	0.3	3.4	18.1
Other	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	1.2	0.3	0.9	0.5	20.5
Electric	1.8	0.6	0.2	0.7	0.3	25.5
Natural Gas	1.0	0.5	0.1	0.2	Q	28.8
LPG	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers						
Refrigerators	106.8	49.7	18.0	21.2	17.9	4.1
1	88.7	43.2	14.9	16.8	13.8	4.5
2 or More	18.1	6.5	3.1	4.4	4.0	6.7
Most-Used Refrigerator						
Defrost Method						
Frost-Free	96.9	44.0	16.6	20.2	16.1	4.2
Manual	9.9	5.7	1.4	1.0	1.8	11.5
Type of Refrigerator						
2-Doors (top and bottom)	73.0	35.1	12.8	13.6	11.6	4.0
2-Doors (side-by-side)	27.1	11.0	4.1	6.9	5.0	6.7
Regular (single door)	5.7	3.1	1.0	0.6	1.0	13.4
Half-Size/Other	1.0	0.7	Q	Q	0.2	23.9

See footnotes at end of table.

**Table HC5-8a. Appliances by Urban/Rural Location,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.9	1.4	1.2	1.3	
Age of Refrigerator						
Less than 2 Years	14.5	7.2	2.3	2.5	2.4	7.7
2 to 4 Years	20.7	9.9	2.8	4.6	3.4	8.1
5 to 9 Years	31.1	14.1	5.3	6.6	5.1	5.5
10 to 19 Years	26.7	11.0	5.1	5.5	5.1	6.4
20 Years or More	7.1	3.3	1.4	1.1	1.3	12.2
Don't Know	6.7	4.2	1.1	1.0	0.5	15.2
Size of Refrigerator						
Very Small (Less than 11 cf)	0.6	0.4	Q	Q	Q	37.3
Small (11-14 cf)	5.7	3.4	0.9	0.5	0.8	14.2
Medium (15-18 cf)	52.2	24.7	9.5	9.2	8.8	5.0
Large (19-22 cf)	43.0	19.1	6.8	9.8	7.3	5.2
Very Large (23 or More cf)	5.3	2.1	0.6	1.7	0.8	14.1
Through-the-Door Ice/Water Service						
Yes	22.1	8.7	3.1	6.0	4.3	7.2
No	84.9	41.1	15.0	15.2	13.6	4.3
Freezer (separate)						
1	34.2	11.5	6.8	6.4	9.6	6.5
2 or more	30.8	10.7	6.1	5.9	8.1	6.3
3 or more	3.4	0.8	0.7	0.4	1.5	17.4
Most-Used Freezer						
Defrost Method						
Frost-Free	12.2	4.4	1.9	2.7	3.1	9.2
Manual	22.0	7.1	4.8	3.7	6.5	7.8
Type of Freezer						
Upright	17.8	5.8	3.5	4.1	4.4	8.1
Chest	16.5	5.8	3.2	2.3	5.2	8.3
Age of Freezer						
Less than 2 Years	3.1	1.1	0.6	0.5	1.0	15.6
2 to 4 Years	4.6	1.4	0.7	1.0	1.5	12.3
5 to 9 Years	6.8	2.3	1.3	1.2	2.0	11.6
10 to 19 Years	11.7	4.1	2.2	2.3	3.0	10.1
20 Years or More	7.3	2.3	1.9	1.2	2.0	11.4
Don't Know	0.6	0.3	Q	Q	0.2	32.4
Freezer Size						
Very Small (Less than 11 cf)	2.5	1.0	0.4	0.6	0.5	17.6
Small (11-14 cf)	8.2	3.0	1.6	1.6	1.9	10.2
Medium (15-18 cf)	13.3	4.4	2.6	2.3	4.0	8.4
Large (19-22 cf)	8.7	2.5	1.9	1.6	2.8	11.1
Very Large (23 or More cf)	1.6	0.5	0.3	0.2	0.5	23.5
Other Kitchen Appliances						
Dishwasher	56.7	22.7	8.6	15.7	9.6	4.7
Electric Coffee Makers	65.5	27.2	11.4	14.5	12.4	4.3
Electric Toaster Oven	36.1	17.4	6.1	7.1	5.5	6.1
Microwave Oven	92.1	41.0	15.9	18.9	16.4	3.8

See footnotes at end of table.

**Table HC5-8a. Appliances by Urban/Rural Location,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
		0.9	1.4	1.2	1.3	
RSE Column Factor:	0.5	0.9	1.4	1.2	1.3	
Households With Electric						
Air-Conditioning Equipment	82.9	36.8	13.6	18.9	13.6	4.3
Air Conditioners Not Used	2.1	1.2	0.2	0.4	0.3	21.4
Households Using Electric						
Air-Conditioning²	80.8	35.6	13.4	18.6	13.3	4.3
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ³	57.5	23.6	8.6	15.8	9.4	5.1
Without a Heat Pump	46.2	19.3	7.4	13.1	6.4	6.3
With a Heat Pump	11.3	4.4	1.2	2.8	2.9	13.1
Room Air-Conditioning	23.3	12.0	4.8	2.7	3.9	7.4
1 Unit	12.8	6.8	2.6	1.3	2.1	9.9
2 Units	7.5	3.4	1.7	1.0	1.4	10.3
3 or More Units	3.0	1.7	0.5	0.4	0.4	16.8
Entertainment						
Color Television Sets	105.8	49.5	17.7	21.0	17.7	4.1
1	29.3	14.9	5.2	4.0	5.3	6.5
2	38.4	18.3	6.5	7.6	6.1	4.7
3	23.3	10.3	3.7	5.4	3.9	6.5
4	10.2	4.1	1.6	2.8	1.7	9.9
5 or More	4.5	2.0	0.7	1.2	0.6	12.5
Large Screen Television Sets	36.6	16.6	6.4	7.4	6.2	6.3
1	27.3	12.6	4.7	5.3	4.7	6.8
2	7.9	3.4	1.3	1.8	1.3	11.7
3 or More	1.4	0.6	0.4	0.2	Q	30.3
Cable/Satellite Dish Antennas	82.2	37.2	14.8	17.2	13.0	4.1
Cable Network	68.3	33.3	12.8	15.3	6.9	4.7
Satellite Dish Antenna	12.0	3.1	1.6	1.5	5.8	9.9
Both	1.9	0.7	0.4	0.4	0.3	22.1
Video Cassette Recorders (VCRs) and DVD Players	96.1	44.9	15.5	19.5	16.0	4.2
1	52.3	25.8	8.4	9.1	9.0	4.8
2	29.0	13.0	4.8	6.5	4.7	6.3
3 or More	14.7	6.1	2.3	3.9	2.4	8.3
Stereo Equipment	80.3	36.9	13.3	16.8	13.3	3.8
Portable/Boom Box	26.1	12.2	4.5	5.7	3.8	6.6
Compact Stereo System	36.5	17.3	5.9	7.6	5.8	5.6
Component Stereo System	36.3	15.6	5.9	8.9	5.9	5.8
Other System	3.1	1.5	0.4	0.5	0.6	16.6
Clothes Washers and Dryers						
Clothes Washer	84.1	34.5	14.6	18.6	16.4	4.0
Top loading	81.6	33.6	14.1	18.0	16.0	4.1
Front loading	2.5	0.9	0.5	0.6	0.5	18.8

See footnotes at end of table.

**Table HC5-8a. Appliances by Urban/Rural Location,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
		0.9	1.4	1.2	1.3	
RSE Column Factor:	0.5	0.9	1.4	1.2	1.3	
Clothes Dryer	78.8	31.4	13.7	18.1	15.6	4.2
Electric	61.1	23.1	10.9	13.1	14.0	5.2
Natural Gas	16.9	8.3	2.7	4.9	1.0	10.3
LPG	0.8	Q	0.1	Q	0.7	26.7
Water Heater Equipment						
Water Heaters	107.0	49.9	18.0	21.2	17.9	4.1
Electric	40.8	15.3	6.9	7.0	11.6	6.6
For One Housing Unit	37.7	13.0	6.6	6.6	11.5	7.1
For Two or More Units	3.1	2.3	0.3	0.4	Q	24.0
Natural Gas	58.0	32.5	9.4	13.0	3.1	5.9
For One Housing Unit	50.9	27.2	8.6	12.1	3.0	6.3
For Two or More Units	7.1	5.3	0.9	0.9	Q	15.6
Fuel Oil	4.6	1.5	1.1	1.0	1.0	16.5
For One Housing Unit	3.0	0.5	0.8	0.8	0.9	16.6
For Two or More Units	1.6	1.0	0.3	Q	Q	28.7
LPG	2.9	0.2	0.5	0.1	2.1	24.0
Other	0.5	Q	Q	0.1	Q	49.8
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	41.1	16.6	19.7	17.6	4.4
Age						
Less than 2 Years	11.4	4.4	2.1	2.4	2.5	9.2
2 to 4 Years	17.3	7.3	2.6	3.6	3.9	8.4
5 to 9 Years	25.3	11.0	4.2	5.9	4.3	6.8
10 to 19 Years	21.7	8.7	4.3	4.7	4.0	7.5
20 Years or More	7.4	3.5	1.4	1.1	1.5	12.7
Don't Know	9.4	5.5	1.5	1.5	1.0	11.0
No Separate Heater	2.5	0.8	0.5	0.7	0.6	20.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	8.7	1.5	1.5	0.2	14.9
Size						
Small	12.2	5.6	2.5	1.9	2.3	9.9
Medium	49.4	22.6	8.4	9.8	8.6	5.1
Large	25.6	9.7	4.4	6.1	5.4	7.5
Don't Know	3.8	1.8	0.7	0.9	0.5	19.0
No Separate Heater	2.5	0.8	0.5	0.7	0.6	20.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	8.7	1.5	1.5	0.2	14.9
Heaters (other)	4.4	1.6	0.6	1.2	1.0	14.8
Hot Tub or Spa (heaters)	3.3	1.1	0.4	0.8	1.0	17.2
Electric	0.9	0.5	0.1	0.3	Q	28.0
Natural Gas	0.2	Q	Q	Q	Q	NF
LPG/Other	13.4	5.4	3.1	2.6	2.4	8.0
Portable Space (heaters)	11.9	5.1	2.8	2.3	1.7	8.5
Electric	1.8	0.4	0.3	0.3	0.7	22.9
Kerosene						

See footnotes at end of table.

Table HC5-8a. Appliances by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Appliance Types and Characteristics	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.9	1.4	1.2	1.3	
RSE Column Factor:						
Swimming Pool (heaters)	1.2	0.3	0.3	0.5	0.1	32.7
Natural Gas	0.8	0.3	0.2	0.3	Q	40.8
Electric/LPG/Other	0.4	Q	Q	0.2	0.1	41.6
Waterbed Heaters	5.5	1.9	1.1	1.2	1.3	12.1
1	4.8	1.7	0.9	0.9	1.2	13.3
2 or More	0.8	0.2	0.2	0.3	0.1	35.3
Used All Year	5.0	1.6	1.0	1.1	1.2	12.7
1	4.3	1.4	0.9	0.9	1.1	13.6
2 or More	0.6	0.2	0.2	0.2	0.1	38.9
Other Appliances						
Automobile Block/Engine/ Battery Heater	2.3	0.9	0.5	Q	0.9	21.4
Ceiling Fans	69.6	29.3	11.5	15.4	13.5	4.5
1	22.0	9.2	4.0	4.6	4.2	7.2
2	15.1	7.1	2.3	2.8	2.8	8.4
3 or more	32.6	12.9	5.1	8.0	6.5	6.9
Electric Dehumidifier	12.1	4.3	2.1	3.2	2.5	11.5
Electric Humidifier	15.6	6.1	3.1	4.0	2.4	10.3
Evaporative/Swamp Cooler	2.7	1.4	0.7	0.2	0.3	26.4
Heated Aquarium	4.5	2.0	0.6	1.0	0.9	13.5
Outdoor Gas Light ⁴	0.5	0.3	Q	Q	Q	25.3
Pumps (Electric)	21.2	4.0	2.7	4.1	10.4	9.9
Rechargeable Tools/Appliances	47.7	18.7	8.0	11.5	9.4	5.5
Swimming Pool (with filters)	6.5	1.8	1.1	2.0	1.6	12.4
Well Water	13.8	1.2	1.5	1.9	9.3	14.9

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

² The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

³ The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

⁴ Includes LPG and natural gas.

cf = Cubic feet.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC5-9a. Appliances by Northeast Census Region,
Million U.S. Households, 2001**

Appliance Types and Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.6	
Total	107.0	20.3	14.8	5.4	NE
Kitchen Appliances					
Cooking Appliances					
Oven	101.7	19.6	14.5	5.2	1.1
1	95.2	18.2	13.3	4.9	1.1
2 or More	6.5	1.4	1.1	0.3	11.7
Most Used Oven	101.7	19.6	14.5	5.2	1.1
Electric	63.0	9.9	6.6	3.3	5.8
Natural Gas	34.3	8.6	7.1	1.5	9.5
LPG	4.4	1.1	0.7	0.4	18.1
Other	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	10.2	7.2	3.0	4.2
Continuous	11.2	2.4	1.9	0.5	18.2
Manual Start	37.0	7.8	5.3	2.5	5.6
Range	105.7	20.1	14.7	5.4	NE
1	100.5	18.9	13.6	5.2	0.9
2 or More	5.2	1.3	1.1	0.2	11.8
Most Used Range	105.7	20.1	14.7	5.4	NE
Electric	64.2	10.0	6.6	3.3	5.7
Natural Gas	36.7	8.9	7.4	1.5	9.1
LPG	4.7	1.2	0.7	0.5	18.3
Other	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	0.3	0.3	Q	24.1
Electric	1.8	Q	Q	Q	32.7
Natural Gas	1.0	Q	Q	Q	36.5
LPG	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	NF
Refrigerators and Freezers					
Refrigerators	106.8	20.2	14.8	5.4	NE
1	88.7	16.7	12.2	4.6	1.5
2 or More	18.1	3.5	2.6	0.8	7.3
Most-Used Refrigerator					
Defrost Method					
Frost-Free	96.9	18.3	13.4	4.9	1.4
Manual	9.9	1.9	1.4	0.5	12.8
Type of Refrigerator					
2-Doors (top and bottom)	73.0	15.7	11.4	4.2	2.0
2-Doors (side-by-side)	27.1	3.3	2.5	0.9	6.7
Regular (single door)	5.7	1.0	0.8	0.2	10.7
Half-Size/Other	1.0	Q	Q	Q	32.0

See footnotes at end of table.

**Table HC5-9a. Appliances by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.6	
Age of Refrigerator					
Less than 2 Years	14.5	2.5	2.0	0.5	9.1
2 to 4 Years	20.7	3.9	3.1	0.8	8.0
5 to 9 Years	31.1	5.6	4.0	1.6	4.1
10 to 19 Years	26.7	5.7	4.2	1.5	5.5
20 Years or More	7.1	1.2	0.8	0.4	9.9
Don't Know	6.7	1.4	0.8	0.5	15.9
Size of Refrigerator					
Very Small (Less than 11 cf)	0.6	Q	Q	Q	46.9
Small (11-14 cf)	5.7	1.0	0.7	0.4	17.0
Medium (15-18 cf)	52.2	9.9	7.0	2.9	4.8
Large (19-22 cf)	43.0	8.4	6.5	1.9	5.5
Very Large (23 or More cf)	5.3	0.8	0.6	0.1	18.8
Through-the-Door Ice/Water Service					
Yes	22.1	2.3	1.7	0.6	9.1
No	84.9	18.0	13.2	4.8	1.2
Freezer (separate)					
1	34.2	4.9	3.7	1.2	9.2
2 or more	30.8	4.5	3.4	1.1	8.9
	3.4	0.4	0.3	Q	22.6
Most-Used Freezer					
Defrost Method					
Frost-Free	12.2	1.8	1.2	0.5	12.4
Manual	22.0	3.1	2.4	0.7	11.0
Type of Freezer					
Upright	17.8	3.0	2.2	0.8	10.6
Chest	16.5	1.9	1.5	0.4	12.7
Age of Freezer					
Less than 2 Years	3.1	0.3	0.2	Q	23.0
2 to 4 Years	4.6	0.5	0.3	0.1	17.4
5 to 9 Years	6.8	1.0	0.8	0.2	13.9
10 to 19 Years	11.7	2.1	1.6	0.5	14.2
20 Years or More	7.3	1.0	0.7	0.3	11.4
Don't Know	0.6	Q	Q	Q	38.4
Freezer Size					
Very Small (Less than 11 cf)	2.5	0.3	Q	Q	24.6
Small (11-14 cf)	8.2	1.1	0.9	0.2	12.1
Medium (15-18 cf)	13.3	2.0	1.5	0.5	12.2
Large (19-22 cf)	8.7	1.3	1.0	0.3	14.2
Very Large (23 or More cf)	1.6	Q	Q	Q	29.3
Other Kitchen Appliances					
Dishwasher	56.7	9.2	6.5	2.7	4.0
Electric Coffee Makers	65.5	12.4	8.8	3.6	3.2
Electric Toaster Oven	36.1	8.5	6.3	2.2	6.1
Microwave Oven	92.1	15.2	11.3	4.0	3.5

See footnotes at end of table.

**Table HC5-9a. Appliances by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.6	
Households With Electric					
Air-Conditioning Equipment	82.9	14.5	11.3	3.2	3.3
Air Conditioners Not Used	2.1	0.3	0.3	Q	27.3
Households Using Electric					
Air-Conditioning¹	80.8	14.2	11.1	3.2	3.4
Type of Electric Air-Conditioning Used					
Central Air-Conditioning ²	57.5	5.7	4.9	0.8	8.9
Without a Heat Pump	46.2	5.2	4.5	0.7	9.2
With a Heat Pump	11.3	0.4	0.4	Q	25.1
Room Air-Conditioning	23.3	8.5	6.1	2.4	5.6
1 Unit	12.8	4.4	2.9	1.4	8.5
2 Units	7.5	2.8	2.1	0.7	7.4
3 or More Units	3.0	1.3	1.1	0.3	13.2
Entertainment					
Color Television Sets	105.8	20.0	14.7	5.4	NE
1	29.3	5.8	4.1	1.8	4.8
2	38.4	8.1	6.2	1.9	3.5
3	23.3	3.8	2.7	1.1	5.2
4	10.2	1.6	1.2	0.4	11.4
5 or More	4.5	0.7	0.5	0.1	10.8
Large Screen Television Sets	36.6	7.1	5.0	2.1	8.7
1	27.3	5.3	3.6	1.7	8.4
2	7.9	1.4	0.9	0.5	15.5
3 or More	1.4	Q	Q	Q	51.4
Cable/Satellite Dish Antennas	82.2	16.3	11.8	4.6	1.8
Cable Network	68.3	14.4	10.4	4.0	2.7
Satellite Dish Antenna	12.0	1.7	1.2	0.4	12.2
Both	1.9	0.2	Q	Q	35.2
Video Cassette Recorders					
(VCRs) and DVD Players	96.1	18.0	13.3	4.8	1.4
1	52.3	10.5	8.0	2.5	3.6
2	29.0	5.5	3.9	1.6	7.0
3 or More	14.7	2.0	1.4	0.7	8.3
Stereo Equipment					
Portable/Boom Box	80.3	15.1	10.7	4.4	2.3
Compact Stereo System	26.1	4.4	2.7	1.7	9.7
Component Stereo System	36.5	6.8	4.9	1.9	5.4
Other System	36.3	6.8	5.0	1.7	5.6
3.1	0.5	0.3	0.2	20.0	
Clothes Washers and Dryers					
Clothes Washer	84.1	14.7	10.7	4.0	2.8
Top loading	81.6	14.2	10.3	3.9	3.0
Front loading	2.5	0.5	0.4	Q	27.3

See footnotes at end of table.

**Table HC5-9a. Appliances by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.6	
Clothes Dryer	78.8	13.3	9.6	3.7	3.1
Electric	61.1	9.2	6.0	3.1	7.4
Natural Gas	16.9	4.0	3.5	0.5	17.9
LPG	0.8	0.1	Q	Q	40.7
Water Heater Equipment					
Water Heaters	107.0	20.3	14.8	5.4	NE
Electric	40.8	4.7	3.2	1.4	9.9
For One Housing Unit	37.7	4.1	2.9	1.2	10.6
For Two or More Units	3.1	0.5	0.3	0.2	22.1
Natural Gas	58.0	10.8	8.9	1.9	8.7
For One Housing Unit	50.9	8.1	6.6	1.5	11.0
For Two or More Units	7.1	2.6	2.3	0.4	14.7
Fuel Oil	4.6	4.4	2.5	1.8	13.7
For One Housing Unit	3.0	2.9	1.3	1.5	17.5
For Two or More Units	1.6	1.5	1.2	0.3	23.4
LPG	2.9	0.3	Q	0.2	25.0
Other	0.5	Q	Q	Q	67.9
No Water Heater	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	15.6	11.1	4.5	2.7
Age					
Less than 2 Years	11.4	1.7	1.2	0.6	7.0
2 to 4 Years	17.3	2.7	2.1	0.6	9.2
5 to 9 Years	25.3	3.8	2.9	0.9	9.6
10 to 19 Years	21.7	3.1	2.4	0.7	8.4
20 Years or More	7.4	1.1	0.7	0.4	13.0
Don't Know	9.4	1.4	1.0	0.4	11.9
No Separate Heater	2.5	1.6	0.7	0.9	19.3
No Water Heater	Q	Q	Q	Q	NF
Water Heaters for					
Two or More Units	11.9	4.6	3.8	0.9	11.5
Size					
Small	12.2	1.8	1.2	0.6	10.6
Medium	49.4	7.0	5.2	1.8	6.1
Large	25.6	4.0	3.2	0.9	11.0
Don't Know	3.8	0.9	0.6	0.3	23.7
No Separate Heater	2.5	1.6	0.7	0.9	19.3
No Water Heater	Q	Q	Q	Q	NF
Water Heaters for					
Two or More Units	11.9	4.6	3.8	0.9	11.5
Heaters (other)					
Hot Tub or Spa (heaters)	4.4	0.9	0.7	0.2	18.8
Electric	3.3	0.8	0.6	0.2	18.9
Natural Gas	0.9	Q	Q	Q	39.1
LPG/Other	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	2.4	1.7	0.7	9.6
Electric	11.9	2.1	1.5	0.6	10.0
Kerosene	1.8	0.3	0.2	Q	28.7

See footnotes at end of table.

**Table HC5-9a. Appliances by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.6	
Swimming Pool (heaters)	1.2	0.2	Q	Q	32.9
Natural Gas	0.8	Q	Q	Q	50.1
Electric/LPG/Other	0.4	Q	Q	Q	61.6
Waterbed Heaters	5.5	0.8	0.6	0.2	18.2
1	4.8	0.6	0.5	0.2	20.3
2 or More	0.8	Q	Q	Q	45.2
Used All Year	5.0	0.7	0.5	0.2	20.0
1	4.3	0.6	0.4	0.1	22.5
2 or More	0.6	Q	Q	Q	51.1
Other Appliances					
Automobile Block/Engine/ Battery Heater	2.3	0.2	Q	Q	27.4
Ceiling Fans	69.6	9.8	7.4	2.4	3.1
1	22.0	4.4	3.3	1.1	5.2
2	15.1	2.1	1.5	0.6	9.0
3 or more	32.6	3.3	2.6	0.7	6.0
Electric Dehumidifier	12.1	3.7	2.7	1.0	12.2
Electric Humidifier	15.6	3.7	2.8	0.9	9.0
Evaporative/Swamp Cooler	2.7	Q	Q	Q	38.5
Heated Aquarium	4.5	0.6	0.5	Q	16.1
Outdoor Gas Light ³	0.5	Q	Q	Q	36.0
Pumps (Electric)	21.2	4.7	3.1	1.6	11.8
Rechargeable Tools/Appliances	47.7	9.0	6.5	2.5	6.6
Swimming Pool (with filters)	6.5	1.4	1.0	0.4	12.9
Well Water	13.8	3.4	2.1	1.3	16.0

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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.

• 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 HC5-10a. Appliances by Midwest Census Region,
Million U.S. Households, 2001**

Appliance Types and 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	1.5	
Total	107.0	24.5	17.1	7.4	NE
Kitchen Appliances					
Cooking Appliances					
Oven	101.7	23.8	16.6	7.2	NE
1	95.2	22.3	15.5	6.8	0.8
2 or More	6.5	1.6	1.1	0.4	11.8
Most Used Oven	101.7	23.8	16.6	7.2	NE
Electric	63.0	14.0	9.5	4.5	4.1
Natural Gas	34.3	8.7	6.7	2.0	6.9
LPG	4.4	1.1	0.5	0.6	25.1
Other	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	12.3	8.7	3.6	3.5
Continuous	11.2	3.1	2.2	0.9	12.7
Manual Start	37.0	9.2	6.5	2.7	4.0
Range	105.7	24.1	16.8	7.4	NE
1	100.5	22.9	15.9	7.0	0.8
2 or More	5.2	1.2	0.9	0.3	13.1
Most Used Range	105.7	24.1	16.8	7.4	NE
Electric	64.2	13.9	9.2	4.7	4.2
Natural Gas	36.7	9.1	7.1	2.0	7.1
LPG	4.7	1.1	0.5	0.6	26.3
Other	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	0.4	0.2	Q	31.2
Electric	1.8	0.3	Q	Q	35.9
Natural Gas	1.0	Q	Q	Q	31.5
LPG	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	NF
Refrigerators and Freezers					
Refrigerators	106.8	24.5	17.1	7.4	NE
1	88.7	19.7	14.1	5.6	1.6
2 or More	18.1	4.8	3.0	1.7	6.3
Most-Used Refrigerator					
Defrost Method					
Frost-Free	96.9	21.7	15.2	6.4	1.6
Manual	9.9	2.8	1.9	0.9	12.0
Type of Refrigerator					
2-Doors (top and bottom)	73.0	16.6	11.5	5.1	3.0
2-Doors (side-by-side)	27.1	6.5	4.8	1.7	6.9
Regular (single door)	5.7	1.2	0.7	0.5	18.4
Half-Size/Other	1.0	Q	Q	Q	27.6

See footnotes at end of table.

**Table HC5-10a. Appliances by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	1.5	
Age of Refrigerator					
Less than 2 Years	14.5	3.3	2.6	0.7	7.9
2 to 4 Years	20.7	4.2	3.2	1.0	8.9
5 to 9 Years	31.1	6.4	4.5	1.9	3.5
10 to 19 Years	26.7	7.0	4.5	2.4	6.6
20 Years or More	7.1	2.3	1.3	1.0	13.4
Don't Know	6.7	1.3	1.0	0.3	14.5
Size of Refrigerator					
Very Small (Less than 11 cf)	0.6	Q	Q	Q	40.4
Small (11-14 cf)	5.7	1.4	0.9	0.5	16.3
Medium (15-18 cf)	52.2	12.5	8.8	3.7	3.6
Large (19-22 cf)	43.0	9.1	6.3	2.8	4.0
Very Large (23 or More cf)	5.3	1.2	1.0	0.3	18.2
Through-the-Door Ice/Water Service					
Yes	22.1	5.0	3.6	1.4	7.0
No	84.9	19.5	13.5	6.0	1.8
Freezer (separate)					
1	34.2	9.6	6.0	3.5	4.8
2 or more	30.8	8.6	5.6	2.9	4.6
	3.4	1.0	0.4	0.6	16.2
Most-Used Freezer					
Defrost Method					
Frost-Free	12.2	2.8	1.8	1.0	10.2
Manual	22.0	6.7	4.2	2.5	7.0
Type of Freezer					
Upright	17.8	4.2	2.9	1.3	5.0
Chest	16.5	5.4	3.1	2.3	7.4
Age of Freezer					
Less than 2 Years	3.1	0.9	0.5	0.3	14.0
2 to 4 Years	4.6	1.6	1.1	0.5	11.3
5 to 9 Years	6.8	1.6	1.0	0.7	10.3
10 to 19 Years	11.7	3.1	1.9	1.1	9.6
20 Years or More	7.3	2.4	1.5	0.9	13.2
Don't Know	0.6	Q	Q	Q	33.1
Freezer Size					
Very Small (Less than 11 cf)	2.5	0.8	0.5	0.3	13.5
Small (11-14 cf)	8.2	2.3	1.5	0.8	11.6
Medium (15-18 cf)	13.3	3.7	2.1	1.7	8.2
Large (19-22 cf)	8.7	2.5	1.8	0.7	10.9
Very Large (23 or More cf)	1.6	0.3	Q	Q	23.9
Other Kitchen Appliances					
Dishwasher	56.7	12.1	8.0	4.2	4.8
Electric Coffee Makers	65.5	16.1	11.0	5.1	2.5
Electric Toaster Oven	36.1	5.5	3.8	1.7	6.1
Microwave Oven	92.1	22.3	15.4	6.9	1.1

See footnotes at end of table.

**Table HC5-10a. Appliances by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	1.5	
Households With Electric					
Air-Conditioning Equipment	82.9	20.5	13.6	6.8	2.2
Air Conditioners Not Used	2.1	0.3	Q	Q	27.9
Households Using Electric					
Air-Conditioning¹	80.8	20.2	13.4	6.7	2.3
Type of Electric Air-Conditioning Used					
Central Air-Conditioning ²	57.5	14.3	9.5	4.8	3.8
Without a Heat Pump	46.2	13.6	9.0	4.6	3.9
With a Heat Pump	11.3	0.7	0.5	0.2	22.7
Room Air-Conditioning	23.3	5.8	3.9	1.9	7.1
1 Unit	12.8	3.6	2.4	1.1	8.3
2 Units	7.5	1.7	1.1	0.6	10.4
3 or More Units	3.0	0.5	0.4	Q	16.7
Entertainment					
Color Television Sets	105.8	24.4	17.0	7.4	NE
1	29.3	6.4	4.1	2.4	6.3
2	38.4	8.2	5.8	2.4	3.5
3	23.3	5.9	4.2	1.7	5.7
4	10.2	2.7	2.2	0.6	11.7
5 or More	4.5	1.1	0.8	0.3	12.5
Large Screen Television Sets	36.6	8.1	6.2	1.9	7.1
1	27.3	5.9	4.5	1.4	7.5
2	7.9	1.8	1.4	0.4	12.2
3 or More	1.4	0.4	Q	Q	41.5
Cable/Satellite Dish Antennas	82.2	19.1	13.3	5.7	1.8
Cable Network	68.3	15.1	10.9	4.2	3.3
Satellite Dish Antenna	12.0	3.4	2.1	1.4	8.8
Both	1.9	0.5	0.4	Q	19.8
Video Cassette Recorders (VCRs) and DVD Players	96.1	22.5	15.6	6.8	1.1
1	52.3	11.3	7.5	3.9	4.0
2	29.0	7.1	4.9	2.2	6.3
3 or More	14.7	4.0	3.3	0.8	8.8
Stereo Equipment	80.3	18.2	12.9	5.3	1.5
Portable/Boom Box	26.1	6.9	4.8	2.1	6.4
Compact Stereo System	36.5	7.8	5.7	2.1	3.8
Component Stereo System	36.3	9.0	6.6	2.4	4.5
Other System	3.1	0.9	0.6	0.2	19.2
Clothes Washers and Dryers					
Clothes Washer	84.1	19.8	13.4	6.4	2.0
Top loading	81.6	19.0	12.9	6.1	2.1
Front loading	2.5	0.7	0.5	0.2	19.9

See footnotes at end of table.

**Table HC5-10a. Appliances by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	1.5	
Clothes Dryer	78.8	19.2	13.0	6.2	2.1
Electric	61.1	13.4	8.5	5.0	4.0
Natural Gas	16.9	5.4	4.4	1.1	9.2
LPG	0.8	0.4	0.2	Q	34.8
Water Heater Equipment					
Water Heaters	107.0	24.5	17.1	7.4	NE
Electric	40.8	6.3	4.2	2.2	6.8
For One Housing Unit	37.7	5.7	3.6	2.1	8.6
For Two or More Units	3.1	0.6	Q	Q	30.6
Natural Gas	58.0	16.9	12.4	4.5	3.9
For One Housing Unit	50.9	15.2	11.1	4.2	4.8
For Two or More Units	7.1	1.7	1.3	0.3	20.4
Fuel Oil	4.6	Q	Q	Q	20.9
For One Housing Unit	3.0	Q	Q	Q	26.6
For Two or More Units	1.6	Q	Q	Q	37.0
LPG	2.9	1.3	0.5	0.7	23.0
Other	0.5	Q	Q	Q	58.5
No Water Heater	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	22.2	15.1	7.0	1.9
Age					
Less than 2 Years	11.4	2.9	1.8	1.0	11.4
2 to 4 Years	17.3	3.9	2.9	1.0	7.0
5 to 9 Years	25.3	6.3	4.4	1.9	7.8
10 to 19 Years	21.7	5.3	3.5	1.8	6.2
20 Years or More	7.4	1.6	1.0	0.7	13.0
Don't Know	9.4	1.9	1.3	0.6	11.5
No Separate Heater	2.5	0.2	Q	Q	29.1
No Water Heater	Q	Q	Q	Q	NF
Water Heaters for					
Two or More Units	11.9	2.3	2.0	0.4	19.8
Size					
Small	12.2	3.0	2.0	1.0	12.7
Medium	49.4	11.8	8.4	3.4	4.0
Large	25.6	5.8	3.9	1.9	8.1
Don't Know	3.8	1.1	0.6	0.5	23.4
No Separate Heater	2.5	0.2	Q	Q	29.1
No Water Heater	Q	Q	Q	Q	NF
Water Heaters for					
Two or More Units	11.9	2.3	2.0	0.4	19.8
Heaters (other)					
Hot Tub or Spa (heaters)	4.4	0.6	0.4	0.2	19.5
Electric	3.3	0.5	Q	Q	20.3
Natural Gas	0.9	Q	Q	Q	33.7
LPG/Other	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	3.1	2.0	1.1	7.7
Electric	11.9	2.7	1.7	1.1	8.5
Kerosene	1.8	0.5	0.4	Q	15.3

See footnotes at end of table.

**Table HC5-10a. Appliances by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	1.5	
Swimming Pool (heaters)	1.2	Q	Q	Q	34.9
Natural Gas	0.8	Q	Q	Q	43.2
Electric/LPG/Other	0.4	Q	Q	Q	53.1
Waterbed Heaters	5.5	2.1	1.4	0.7	10.7
1	4.8	1.9	1.3	0.6	11.3
2 or More	0.8	Q	Q	Q	39.0
Used All Year	5.0	1.9	1.2	0.6	11.5
1	4.3	1.7	1.1	0.6	12.6
2 or More	0.6	Q	Q	Q	44.0
Other Appliances					
Automobile Block/Engine/ Battery Heater	2.3	0.8	Q	0.5	23.4
Ceiling Fans	69.6	18.0	12.3	5.8	2.7
1	22.0	5.8	3.9	1.9	6.2
2	15.1	4.4	3.0	1.4	9.4
3 or more	32.6	7.9	5.4	2.5	4.9
Electric Dehumidifier	12.1	6.1	4.1	2.0	9.6
Electric Humidifier	15.6	7.2	4.8	2.4	7.6
Evaporative/Swamp Cooler	2.7	Q	Q	Q	33.2
Heated Aquarium	4.5	1.4	0.9	0.4	13.0
Outdoor Gas Light ³	0.5	Q	Q	Q	31.0
Pumps (Electric)	21.2	5.3	4.0	1.2	9.1
Rechargeable Tools/Appliances	47.7	12.5	8.7	3.7	3.2
Swimming Pool (with filters)	6.5	1.1	1.0	Q	14.0
Well Water	13.8	4.1	3.2	1.0	14.1

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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.

• 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 HC5-11a. Appliances by South Census Region,
Million U.S. Households, 2001**

Appliance Types and 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	0.8	1.1	1.4	1.5	
Total	107.0	38.9	20.3	6.8	11.8	NE
Kitchen Appliances						
Cooking Appliances						
Oven	101.7	36.2	19.4	6.4	10.3	1.5
1	95.2	33.8	18.1	6.1	9.7	1.5
2 or More	6.5	2.4	1.4	0.3	0.7	15.2
Most Used Oven	101.7	36.2	19.4	6.4	10.3	1.5
Electric	63.0	26.0	14.7	4.9	6.4	3.4
Natural Gas	34.3	8.8	4.0	1.0	3.8	8.2
LPG	4.4	1.4	0.7	0.5	Q	21.6
Other	Q	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	16.1	9.7	2.8	3.6	4.1
Continuous	11.2	4.0	2.3	0.7	1.1	12.1
Manual Start	37.0	12.1	7.5	2.0	2.6	6.4
Range	105.7	38.6	20.1	6.8	11.6	NE
1	100.5	36.7	18.9	6.6	11.2	1.1
2 or More	5.2	1.9	1.2	0.3	0.4	17.4
Most Used Range	105.7	38.6	20.1	6.8	11.6	NE
Electric	64.2	27.2	15.1	5.2	7.0	3.7
Natural Gas	36.7	9.8	4.3	1.1	4.5	8.9
LPG	4.7	1.6	0.8	0.5	Q	20.7
Other	Q	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	1.3	0.6	Q	0.4	21.9
Electric	1.8	0.7	0.5	Q	Q	24.6
Natural Gas	1.0	0.4	Q	Q	Q	33.0
LPG	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	NF
Refrigerators and Freezers						
Refrigerators	106.8	38.9	20.3	6.8	11.8	NE
1	88.7	32.9	17.0	5.8	10.1	1.2
2 or More	18.1	6.1	3.3	1.1	1.7	6.8
Most-Used Refrigerator						
Defrost Method						
Frost-Free	96.9	36.3	18.9	6.4	11.0	1.1
Manual	9.9	2.7	1.4	0.5	0.8	14.1
Type of Refrigerator						
2-Doors (top and bottom)	73.0	25.4	13.6	4.5	7.3	2.6
2-Doors (side-by-side)	27.1	11.0	5.5	1.9	3.7	6.3
Regular (single door)	5.7	2.1	1.2	0.3	0.6	16.8
Half-Size/Other	1.0	0.4	Q	Q	Q	30.7

See footnotes at end of table.

**Table HC5-11a. Appliances by South Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	0.8	1.1	1.4	1.5	
Age of Refrigerator						
Less than 2 Years	14.5	5.7	2.7	1.1	1.9	6.8
2 to 4 Years	20.7	7.6	4.2	1.2	2.2	8.4
5 to 9 Years	31.1	12.0	6.2	2.3	3.6	4.3
10 to 19 Years	26.7	8.9	4.9	1.6	2.5	7.0
20 Years or More	7.1	2.1	1.0	0.5	0.6	13.2
Don't Know	6.7	2.5	1.3	0.2	1.0	17.5
Size of Refrigerator						
Very Small (Less than 11 cf)	0.6	Q	Q	Q	Q	45.0
Small (11-14 cf)	5.7	1.7	0.9	0.2	0.5	17.4
Medium (15-18 cf)	52.2	18.2	9.7	3.4	5.1	4.1
Large (19-22 cf)	43.0	16.8	8.7	2.8	5.3	4.6
Very Large (23 or More cf)	5.3	2.1	0.9	0.4	0.8	16.3
Through-the-Door Ice/Water Service						
Yes	22.1	10.1	5.0	1.9	3.2	5.1
No	84.9	28.9	15.3	5.0	8.6	1.7
Freezer (separate)						
1	34.2	13.6	6.6	2.9	4.0	6.1
2 or more	30.8	12.2	6.1	2.6	3.5	5.8
	3.4	1.4	0.5	0.3	0.5	18.8
Most-Used Freezer						
Defrost Method						
Frost-Free	12.2	5.7	2.7	1.3	1.8	9.2
Manual	22.0	7.9	4.0	1.6	2.2	8.6
Type of Freezer						
Upright	17.8	6.5	3.4	0.9	2.2	8.6
Chest	16.5	7.1	3.2	2.0	1.8	8.5
Age of Freezer						
Less than 2 Years	3.1	1.5	0.6	0.3	0.6	17.5
2 to 4 Years	4.6	1.8	0.8	0.5	0.4	13.3
5 to 9 Years	6.8	2.8	1.5	0.7	0.7	13.9
10 to 19 Years	11.7	4.4	2.3	0.8	1.4	11.3
20 Years or More	7.3	2.7	1.2	0.6	0.8	14.4
Don't Know	0.6	0.3	Q	Q	Q	34.0
Freezer Size						
Very Small (Less than 11 cf)	2.5	0.9	0.5	Q	0.2	22.9
Small (11-14 cf)	8.2	3.5	1.6	0.9	1.0	10.6
Medium (15-18 cf)	13.3	5.2	2.7	1.0	1.5	11.0
Large (19-22 cf)	8.7	3.3	1.6	0.7	1.0	10.5
Very Large (23 or More cf)	1.6	0.6	Q	0.1	0.2	29.3
Other Kitchen Appliances						
Dishwasher	56.7	22.1	11.7	3.5	6.9	3.5
Electric Coffee Makers	65.5	23.0	11.3	4.5	7.2	3.5
Electric Toaster Oven	36.1	14.7	7.4	2.3	5.0	5.3
Microwave Oven	92.1	34.7	17.9	6.2	10.6	1.6

See footnotes at end of table.

**Table HC5-11a. Appliances by South Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	0.8	1.1	1.4	1.5	
Households With Electric						
Air-Conditioning Equipment	82.9	37.2	19.3	6.4	11.5	1.4
Air Conditioners Not Used	2.1	0.4	Q	Q	Q	29.3
Households Using Electric						
Air-Conditioning¹	80.8	36.9	19.0	6.4	11.5	1.6
Type of Electric Air-Conditioning Used						
Central Air-Conditioning ²	57.5	30.4	16.1	5.0	9.2	2.8
Without a Heat Pump	46.2	22.1	10.4	3.4	8.3	5.6
With a Heat Pump	11.3	8.3	5.7	1.6	0.9	14.6
Room Air-Conditioning	23.3	6.4	2.9	1.3	2.2	9.0
1 Unit	12.8	2.9	1.3	0.6	0.9	10.2
2 Units	7.5	2.6	1.3	0.5	0.8	12.0
3 or More Units	3.0	1.0	0.3	0.2	0.5	22.4
Entertainment						
Color Television Sets	105.8	38.4	20.1	6.7	11.6	NE
1	29.3	9.8	4.7	1.9	3.2	7.5
2	38.4	13.7	7.0	2.5	4.3	3.6
3	23.3	9.2	5.3	1.5	2.4	5.5
4	10.2	3.9	2.2	0.6	1.2	10.2
5 or More	4.5	1.8	0.9	0.3	0.6	13.5
Large Screen Television Sets	36.6	13.3	6.9	2.2	4.2	7.6
1	27.3	9.7	4.8	1.4	3.4	8.6
2	7.9	3.3	2.0	0.7	0.7	13.6
3 or More	1.4	0.4	Q	Q	Q	45.1
Cable/Satellite Dish Antennas	82.2	30.2	16.8	5.1	8.3	2.4
Cable Network	68.3	24.7	14.1	4.1	6.5	3.9
Satellite Dish Antenna	12.0	4.7	2.2	1.0	1.6	10.7
Both	1.9	0.8	0.5	Q	Q	27.0
Video Cassette Recorders						
(VCRs) and DVD Players	96.1	34.6	18.4	5.9	10.3	1.3
1	52.3	18.5	10.0	3.2	5.3	4.2
2	29.0	10.7	5.6	1.8	3.3	6.4
3 or More	14.7	5.4	2.8	0.9	1.7	9.8
Stereo Equipment						
Portable/Boom Box	80.3	28.5	15.2	5.0	8.4	2.2
Compact Stereo System	26.1	8.7	4.5	1.9	2.3	7.7
Component Stereo System	36.5	13.0	6.8	2.1	4.2	5.3
Other System	36.3	12.5	7.1	2.1	3.2	5.8
	3.1	1.0	0.5	0.3	Q	20.1
Clothes Washers and Dryers						
Clothes Washer	84.1	32.7	17.2	5.9	9.6	2.5
Top loading	81.6	31.9	16.7	5.8	9.4	2.7
Front loading	2.5	0.8	0.5	Q	Q	19.0

See footnotes at end of table.

**Table HC5-11a. Appliances by South Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	0.8	1.1	1.4	1.5	
Clothes Dryer	78.8	30.3	15.5	5.6	9.2	2.9
Electric	61.1	26.6	14.1	5.3	7.2	4.4
Natural Gas	16.9	3.4	1.3	0.3	1.8	17.0
LPG	0.8	0.3	Q	Q	Q	40.2
Water Heater Equipment						
Water Heaters	107.0	38.9	20.3	6.8	11.8	NE
Electric	40.8	22.4	13.4	4.4	4.6	6.6
For One Housing Unit	37.7	21.6	13.1	4.4	4.2	7.3
For Two or More Units	3.1	0.8	0.3	Q	0.5	20.1
Natural Gas	58.0	15.4	6.3	2.2	6.9	8.4
For One Housing Unit	50.9	14.5	5.8	2.0	6.6	7.8
For Two or More Units	7.1	1.0	Q	Q	Q	27.7
Fuel Oil	4.6	Q	Q	Q	Q	23.2
For One Housing Unit	3.0	Q	Q	Q	Q	29.6
For Two or More Units	1.6	Q	Q	Q	Q	41.2
LPG	2.9	0.6	Q	0.2	Q	29.3
Other	0.5	Q	Q	Q	Q	65.1
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	37.0	19.4	6.6	11.0	1.5
Age						
Less than 2 Years	11.4	4.7	2.5	0.9	1.3	9.1
2 to 4 Years	17.3	6.8	3.5	1.2	2.1	8.3
5 to 9 Years	25.3	10.3	5.3	1.9	3.1	7.5
10 to 19 Years	21.7	8.6	4.8	1.7	2.1	7.3
20 Years or More	7.4	2.8	1.4	0.4	0.9	16.2
Don't Know	9.4	3.4	1.7	0.5	1.3	14.2
No Separate Heater	2.5	0.3	Q	Q	Q	30.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for						
Two or More Units	11.9	1.9	0.9	Q	0.8	24.6
Size						
Small	12.2	5.2	2.9	0.9	1.4	10.8
Medium	49.4	19.9	10.9	3.5	5.5	4.2
Large	25.6	9.6	4.4	1.9	3.2	7.7
Don't Know	3.8	1.3	0.7	0.2	0.4	24.8
No Separate Heater	2.5	0.3	Q	Q	Q	30.0
No Water Heater	Q	Q	Q	Q	Q	NF
Water Heaters for						
Two or More Units	11.9	1.9	0.9	Q	0.8	24.6
Heaters (other)						
Hot Tub or Spa (heaters)	4.4	1.5	0.6	0.2	0.8	12.2
Electric	3.3	1.1	0.4	Q	0.5	19.9
Natural Gas	0.9	0.3	Q	Q	Q	39.1
LPG/Other	Q	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	4.9	2.3	0.9	1.7	6.8
Electric	11.9	4.1	1.7	0.7	1.7	8.5
Kerosene	1.8	0.9	0.6	0.2	Q	21.1

See footnotes at end of table.

**Table HC5-11a. Appliances by South Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and 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	0.8	1.1	1.4	1.5	
Swimming Pool (heaters)	1.2	0.5	0.4	Q	Q	38.2
Natural Gas	0.8	Q	Q	Q	Q	48.1
Electric/LPG/Other	0.4	Q	Q	Q	Q	59.2
Waterbed Heaters	5.5	2.0	1.1	0.6	0.3	16.7
1	4.8	1.7	0.8	0.6	0.3	20.1
2 or More	0.8	0.4	Q	Q	Q	41.5
Used All Year	5.0	1.8	1.0	0.6	0.2	17.5
1	4.3	1.6	0.8	0.5	0.2	19.8
2 or More	0.6	0.3	Q	Q	Q	47.4
Other Appliances						
Automobile Block/Engine/ Battery Heater	2.3	Q	Q	Q	Q	30.9
Ceiling Fans	69.6	30.0	14.9	5.4	9.7	2.3
1	22.0	6.2	3.1	1.2	1.9	8.3
2	15.1	5.7	2.8	1.2	1.7	8.2
3 or more	32.6	18.1	9.0	3.0	6.1	5.2
Electric Dehumidifier	12.1	2.1	1.3	0.6	Q	13.9
Electric Humidifier	15.6	3.1	2.0	0.7	0.5	14.4
Evaporative/Swamp Cooler	2.7	Q	Q	Q	Q	37.0
Heated Aquarium	4.5	1.6	0.9	0.3	0.5	17.4
Outdoor Gas Light ³	0.5	Q	Q	Q	Q	34.5
Pumps (Electric)	21.2	7.9	5.3	1.1	1.5	11.9
Rechargeable Tools/Appliances	47.7	16.5	9.0	2.8	4.7	4.7
Swimming Pool (with filters)	6.5	2.9	1.9	0.4	0.6	15.2
Well Water	13.8	4.9	3.8	0.7	0.4	20.9

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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.

• 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 HC5-12a. Appliances by West Census Region,
Million U.S. Households, 2001**

Appliance Types and Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.2	
Total	107.0	23.3	6.7	16.6	NE
Kitchen Appliances					
Cooking Appliances					
Oven	101.7	22.1	6.6	15.5	1.1
1	95.2	20.9	6.4	14.5	1.1
2 or More	6.5	1.2	0.2	1.0	14.6
Most Used Oven	101.7	22.1	6.6	15.5	1.1
Electric	63.0	13.1	4.8	8.3	3.7
Natural Gas	34.3	8.2	1.5	6.7	5.2
LPG	4.4	0.8	Q	0.5	25.0
Other	Q	Q	Q	Q	NF
Most Used Self-Cleaning Oven	48.2	9.6	3.4	6.2	4.9
Continuous	11.2	1.6	0.5	1.1	12.5
Manual Start	37.0	7.9	2.8	5.1	6.0
Range	105.7	22.9	6.7	16.2	NE
1	100.5	22.1	6.5	15.6	0.9
2 or More	5.2	0.8	0.2	0.6	18.7
Most Used Range	105.7	22.9	6.7	16.2	NE
Electric	64.2	13.2	4.8	8.4	3.4
Natural Gas	36.7	8.9	1.6	7.2	5.5
LPG	4.7	0.8	Q	0.6	23.7
Other	Q	Q	Q	Q	NF
Built-in/Stove-top Grill	2.9	0.9	0.3	0.6	20.6
Electric	1.8	0.5	0.2	0.3	25.1
Natural Gas	1.0	0.3	Q	0.3	30.7
LPG	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	NF
Refrigerators and Freezers					
Refrigerators	106.8	23.2	6.7	16.5	NE
1	88.7	19.4	5.5	13.9	1.5
2 or More	18.1	3.8	1.2	2.6	7.1
Most-Used Refrigerator					
Defrost Method					
Frost-Free	96.9	20.7	5.9	14.8	1.5
Manual	9.9	2.5	0.8	1.7	12.3
Type of Refrigerator					
2-Doors (top and bottom)	73.0	15.4	4.6	10.8	2.9
2-Doors (side-by-side)	27.1	6.2	1.7	4.5	7.3
Regular (single door)	5.7	1.3	0.3	0.9	12.4
Half-Size/Other	1.0	0.3	Q	0.3	25.9

See footnotes at end of table.

**Table HC5-12a. Appliances by West Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.2	
Age of Refrigerator					
Less than 2 Years	14.5	3.1	0.9	2.1	5.3
2 to 4 Years	20.7	4.9	1.5	3.4	8.1
5 to 9 Years	31.1	7.1	2.0	5.1	3.7
10 to 19 Years	26.7	5.1	1.3	3.8	5.8
20 Years or More	7.1	1.5	0.7	0.8	15.4
Don't Know	6.7	1.5	0.3	1.2	13.3
Size of Refrigerator					
Very Small (Less than 11 cf)	0.6	0.2	Q	Q	35.8
Small (11-14 cf)	5.7	1.5	0.5	1.1	15.6
Medium (15-18 cf)	52.2	11.6	3.3	8.3	4.3
Large (19-22 cf)	43.0	8.7	2.6	6.1	5.0
Very Large (23 or More cf)	5.3	1.1	0.3	0.8	14.3
Through-the-Door Ice/Water Service					
Yes	22.1	4.8	1.3	3.5	8.5
No	84.9	18.5	5.5	13.1	2.3
Freezer (separate)					
1	34.2	6.2	2.3	3.8	7.1
2 or more	30.8	5.6	2.1	3.5	6.7
	3.4	0.6	0.3	0.3	19.7
Most-Used Freezer					
Defrost Method					
Frost-Free	12.2	1.8	0.8	1.0	9.9
Manual	22.0	4.4	1.5	2.9	9.0
Type of Freezer					
Upright	17.8	4.0	1.3	2.8	7.5
Chest	16.5	2.1	1.1	1.1	10.7
Age of Freezer					
Less than 2 Years	3.1	0.5	0.3	0.2	18.8
2 to 4 Years	4.6	0.7	0.2	0.5	15.8
5 to 9 Years	6.8	1.3	0.6	0.8	12.2
10 to 19 Years	11.7	2.1	0.7	1.4	9.7
20 Years or More	7.3	1.3	0.5	0.8	16.5
Don't Know	0.6	Q	Q	Q	36.9
Freezer Size					
Very Small (Less than 11 cf)	2.5	0.5	0.3	0.3	19.0
Small (11-14 cf)	8.2	1.3	0.5	0.8	13.0
Medium (15-18 cf)	13.3	2.3	0.9	1.4	10.4
Large (19-22 cf)	8.7	1.6	0.5	1.1	10.8
Very Large (23 or More cf)	1.6	0.4	Q	0.3	24.1
Other Kitchen Appliances					
Dishwasher	56.7	13.2	4.2	9.0	4.4
Electric Coffee Makers	65.5	14.0	4.4	9.6	3.1
Electric Toaster Oven	36.1	7.4	1.9	5.5	6.2
Microwave Oven	92.1	19.9	6.1	13.8	2.4

See footnotes at end of table.

**Table HC5-12a. Appliances by West Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.2	
Households With Electric					
Air-Conditioning Equipment	82.9	10.7	3.4	7.2	7.1
Air Conditioners Not Used	2.1	1.1	0.2	0.9	15.5
Households Using Electric					
Air-Conditioning¹	80.8	9.6	3.2	6.3	7.2
Type of Electric Air-Conditioning Used					
Central Air-Conditioning ²	57.5	7.1	2.6	4.5	8.5
Without a Heat Pump	46.2	5.2	1.8	3.4	11.2
With a Heat Pump	11.3	1.8	0.7	1.1	10.9
Room Air-Conditioning	23.3	2.5	0.6	1.9	10.1
1 Unit	12.8	2.0	0.5	1.5	11.6
2 Units	7.5	0.4	Q	0.3	17.4
3 or More Units	3.0	Q	Q	Q	20.2
Entertainment					
Color Television Sets	105.8	22.9	6.6	16.3	NE
1	29.3	7.3	2.1	5.2	5.6
2	38.4	8.4	2.5	5.9	3.3
3	23.3	4.3	1.1	3.2	6.0
4	10.2	2.0	0.6	1.4	12.7
5 or More	4.5	0.9	0.2	0.7	13.4
Large Screen Television Sets	36.6	8.0	2.0	6.1	5.3
1	27.3	6.5	1.4	5.1	5.5
2	7.9	1.4	0.4	1.0	10.1
3 or More	1.4	Q	Q	Q	49.4
Cable/Satellite Dish Antennas	82.2	16.6	4.4	12.2	3.5
Cable Network	68.3	14.0	3.6	10.4	4.2
Satellite Dish Antenna	12.0	2.3	0.8	1.5	9.7
Both	1.9	0.3	Q	0.2	27.2
Video Cassette Recorders					
(VCRs) and DVD Players	96.1	21.0	6.1	14.9	1.1
1	52.3	12.0	3.4	8.6	4.2
2	29.0	5.8	1.7	4.1	6.2
3 or More	14.7	3.2	1.0	2.2	9.2
Stereo Equipment					
Portable/Boom Box	80.3	18.5	5.4	13.2	1.9
Compact Stereo System	26.1	6.1	1.9	4.2	5.7
Component Stereo System	36.5	8.8	2.8	6.1	4.3
Other System	36.3	8.0	2.1	6.0	4.7
3.1	0.7	0.4	0.4	0.4	17.7
Clothes Washers and Dryers					
Clothes Washer	84.1	16.9	5.3	11.6	3.4
Top loading	81.6	16.4	5.2	11.2	3.6
Front loading	2.5	0.5	Q	0.4	22.6

See footnotes at end of table.

**Table HC5-12a. Appliances by West Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.2	
Clothes Dryer	78.8	16.0	5.0	11.1	3.8
Electric	61.1	11.9	4.7	7.2	5.0
Natural Gas	16.9	4.1	0.3	3.8	9.9
LPG	0.8	Q	Q	Q	40.5
Water Heater Equipment					
Water Heaters	107.0	23.3	6.7	16.6	NE
Electric	40.8	7.3	2.3	5.0	4.9
For One Housing Unit	37.7	6.3	2.2	4.1	7.3
For Two or More Units	3.1	1.1	0.2	0.9	27.6
Natural Gas	58.0	14.9	4.1	10.8	2.8
For One Housing Unit	50.9	13.1	3.8	9.3	3.9
For Two or More Units	7.1	1.8	Q	1.5	15.8
Fuel Oil	4.6	Q	Q	Q	23.3
For One Housing Unit	3.0	Q	Q	Q	29.7
For Two or More Units	1.6	Q	Q	Q	41.3
LPG	2.9	0.7	0.2	0.5	26.2
Other	0.5	Q	Q	Q	65.2
No Water Heater	Q	Q	Q	Q	NF
Water Heater (for one housing unit)	95.0	20.2	6.3	14.0	2.3
Age					
Less than 2 Years	11.4	2.1	0.5	1.5	10.0
2 to 4 Years	17.3	3.9	1.5	2.3	11.0
5 to 9 Years	25.3	4.9	1.7	3.2	7.8
10 to 19 Years	21.7	4.6	1.3	3.3	9.7
20 Years or More	7.4	1.9	0.6	1.3	14.4
Don't Know	9.4	2.6	0.5	2.1	10.8
No Separate Heater	2.5	0.4	Q	0.3	23.3
No Water Heater	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	3.1	0.5	2.6	17.5
Size					
Small	12.2	2.2	0.9	1.2	11.8
Medium	49.4	10.7	3.4	7.2	3.6
Large	25.6	6.1	1.5	4.7	7.6
Don't Know	3.8	0.5	0.3	0.3	23.1
No Separate Heater	2.5	0.4	Q	0.3	23.3
No Water Heater	Q	Q	Q	Q	NF
Water Heaters for Two or More Units	11.9	3.1	0.5	2.6	17.5
Heaters (other)					
Hot Tub or Spa (heaters)	4.4	1.4	0.3	1.2	14.8
Electric	3.3	0.9	0.2	0.7	17.0
Natural Gas	0.9	0.4	Q	0.3	27.7
LPG/Other	Q	Q	Q	Q	NF
Portable Space (heaters)	13.4	3.0	0.8	2.1	8.6
Electric	11.9	2.9	0.8	2.1	8.8
Kerosene	1.8	Q	Q	Q	24.8

See footnotes at end of table.

**Table HC5-12a. Appliances by West Census Region,
Million U.S. Households, 2001 (Continued)**

Appliance Types and Characteristics	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.2	
Swimming Pool (heaters)	1.2	0.3	Q	0.3	35.0
Natural Gas	0.8	0.2	Q	Q	44.3
Electric/LPG/Other	0.4	Q	Q	Q	59.2
Waterbed Heaters	5.5	0.7	0.3	0.3	18.5
1	4.8	0.6	0.3	0.3	16.8
2 or More	0.8	Q	Q	Q	43.4
Used All Year	5.0	0.5	0.3	0.3	20.6
1	4.3	0.5	0.2	0.3	18.3
2 or More	0.6	Q	Q	Q	49.1
Other Appliances					
Automobile Block/Engine/ Battery Heater	2.3	1.1	0.7	0.4	21.2
Ceiling Fans	69.6	11.8	4.4	7.4	3.9
1	22.0	5.6	1.8	3.8	8.4
2	15.1	2.9	0.9	1.9	9.5
3 or more	32.6	3.3	1.6	1.7	10.1
Electric Dehumidifier	12.1	0.2	Q	Q	20.2
Electric Humidifier	15.6	1.6	0.9	0.7	14.7
Evaporative/Swamp Cooler	2.7	2.2	1.7	0.5	23.2
Heated Aquarium	4.5	0.9	0.3	0.6	15.4
Outdoor Gas Light ³	0.5	Q	Q	Q	34.6
Pumps (Electric)	21.2	3.3	1.0	2.3	9.7
Rechargeable Tools/Appliances	47.7	9.8	3.1	6.7	6.2
Swimming Pool (with filters)	6.5	1.1	0.3	0.8	13.5
Well Water	13.8	1.4	0.6	0.8	17.3

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 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.

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ Includes LPG and natural gas.

cf = Cubic feet.

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.

• 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.

2001 Housing Characteristics Tables

Usage Indicators Tables

(Million U.S. Households; 60 pages, 247 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 HC6-1a. Usage Indicators by Climate Zone,
Million U.S. Households, 2001**

Usage Indicators	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:	0.4	1.8	1.1	1.1	1.2	1.0	
Total	107.0	9.2	28.6	24.0	21.0	24.1	7.8
Weekday Home Activities							
Home Used for Business							
Yes	7.6	0.9	1.9	2.2	1.2	1.3	14.9
No	99.4	8.3	26.8	21.8	19.8	22.8	8.0
Energy-Intensive Activity							
Yes	1.7	0.2	0.7	0.5	Q	Q	22.6
No	105.2	9.0	28.0	23.5	20.9	23.9	7.9
Someone Home All Day							
Yes	53.0	4.5	14.0	11.9	10.8	11.7	7.8
No	53.9	4.7	14.6	12.1	10.2	12.3	7.4
Heating							
Heat Home	106.0	9.2	28.6	23.9	20.7	23.6	7.9
Do Not Heat Home	1.0	Q	Q	Q	0.3	0.5	16.7
No Heating Equipment	0.5	Q	Q	Q	Q	0.4	34.0
Have Equipment But Do Not Use It	0.4	Q	Q	Q	0.2	Q	33.7
Adequacy of Insulation							
Well Insulated	42.6	3.8	12.3	10.3	7.2	9.1	8.9
Adequately Insulated	43.1	3.6	10.7	9.8	8.7	10.3	8.1
Poorly Insulated	19.4	1.6	5.4	3.7	4.6	4.2	10.3
No Insulation	0.9	Q	Q	Q	0.2	0.3	27.1
Don't Know	0.9	Q	Q	Q	0.3	Q	30.3
Occurrences of Drafts During Winter							
Never	5.9	0.5	2.1	1.2	0.9	1.3	16.6
Some of the Time	6.4	0.5	1.6	1.5	1.4	1.4	14.2
Most of the Time	34.6	3.3	9.8	8.0	7.2	6.3	9.1
All of the Time	55.3	4.7	13.9	12.4	10.5	13.8	8.4
Don't Know	4.7	0.4	1.2	0.9	1.0	1.3	16.2
Thermostat							
Heat Home	106.0	9.2	28.6	23.9	20.7	23.6	7.9
Thermostat Available During Heating Season	91.5	8.2	26.4	19.2	17.0	20.7	8.4
Programmable ²							
Yes	25.1	2.4	7.8	5.1	5.5	4.3	12.2
No	66.4	5.8	18.6	14.2	11.5	16.3	8.4
No Thermostat	14.5	1.1	2.2	4.7	3.6	2.9	11.4
Do Not Heat Home	1.0	Q	Q	Q	0.3	0.5	16.7
Lower Winter Temperature Settings²							
Daytime When No One is at Home							
Yes	47.2	4.2	12.5	9.0	11.0	10.5	9.1
No	48.5	4.5	13.9	13.0	6.9	10.2	8.7
Unknown	10.3	0.6	2.2	1.9	2.7	2.9	12.4
During Sleeping Hours							
Yes	45.7	4.3	11.8	9.6	10.6	9.3	9.0
No	51.1	4.3	14.8	12.5	7.6	11.9	8.6
Unknown	9.2	0.6	2.0	1.7	2.4	2.4	13.2

See footnotes at end of table.

**Table HC6-1a. Usage Indicators by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.8	1.1	1.1	1.2	1.0	
Daytime Winter Temperature When Someone is at Home²							
Heat Turned On	96.8	8.6	26.6	22.2	18.2	21.1	8.1
63 Degrees or Less	3.9	0.5	1.4	0.7	0.9	0.4	17.9
64 to 66 Degrees	8.4	0.9	2.6	1.8	2.0	1.3	13.9
67 to 69 Degrees	23.6	3.0	8.0	5.3	4.2	3.2	9.7
70 Degrees	25.7	2.4	6.3	6.7	4.8	5.4	9.9
71 to 73 Degrees	16.5	1.2	4.6	4.3	2.8	3.5	11.4
74 Degrees or More	18.6	0.7	3.7	3.4	3.5	7.3	11.1
Heat Turned Off	2.0	Q	Q	Q	1.0	0.7	18.0
Unknown/No Answer	7.2	0.6	1.8	1.6	1.4	1.8	15.6
Daytime Winter Temperature When No One is at Home²							
Heat Turned On	87.6	8.5	25.6	21.0	14.4	18.0	7.2
63 Degrees or Less	17.7	2.2	5.1	3.3	3.8	3.2	13.2
64 to 66 Degrees	17.2	1.8	5.6	3.7	3.3	2.7	11.0
67 to 69 Degrees	19.1	2.4	6.5	4.6	2.6	3.0	11.9
70 Degrees	15.1	1.2	4.2	4.6	2.0	3.1	11.8
71 to 73 Degrees	8.7	0.6	2.6	2.6	1.2	1.7	13.2
74 Degrees or More	9.8	0.3	1.6	2.2	1.4	4.3	14.8
Heat Turned Off	10.5	Q	Q	1.2	4.7	3.6	13.7
Unknown/No Answer	8.0	0.6	2.1	1.8	1.6	2.0	14.4
Winter Temperature During Sleeping Hours²							
Heat Turned On	91.8	8.6	26.2	21.4	15.5	20.1	8.3
63 Degrees or Less	15.4	2.0	4.4	3.1	3.5	2.4	13.0
64 to 66 Degrees	17.4	2.0	5.3	3.5	3.6	3.1	11.0
67 to 69 Degrees	21.0	2.4	7.1	5.2	2.9	3.4	10.5
70 Degrees	17.4	1.3	4.7	4.9	2.6	4.1	11.4
71 to 73 Degrees	9.5	0.5	2.6	2.7	1.4	2.4	15.5
74 Degrees or More	11.1	0.4	2.1	2.2	1.5	4.9	14.4
Heat Turned Off	7.1	Q	Q	0.9	3.8	1.8	15.3
Unknown/No Answer	7.1	0.6	1.9	1.6	1.4	1.7	15.5
Air-Conditioning							
Central Air-Conditioning							
Use a Central System	58.6	3.1	13.1	12.9	11.1	18.5	9.1
All Summer	28.4	0.7	3.6	5.3	6.0	12.8	12.2
Quite a Bit	12.1	0.5	3.4	3.2	1.6	3.4	13.6
Only a Few Times	16.8	1.8	5.9	4.2	2.9	1.9	12.5
Not at All	1.4	Q	Q	Q	0.6	0.4	24.6
No Central System	48.4	6.1	15.5	11.2	9.9	5.6	8.5
Window/Wall Air-Conditioning							
Use Window/Wall Units	25.1	2.3	7.9	7.6	3.4	4.0	11.1
All Summer	4.9	0.2	1.0	1.5	0.8	1.4	21.0
Quite a Bit	5.2	0.5	1.3	1.8	0.7	0.9	19.4
Only a Few Times	14.1	1.4	5.4	4.1	1.6	1.6	11.7
Not at All	0.9	Q	0.2	Q	0.3	Q	23.4
No Window/Wall Units	81.9	7.0	20.7	16.5	17.6	20.1	6.7

See footnotes at end of table.

**Table HC6-1a. Usage Indicators by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.8	1.1	1.1	1.2	1.0	
Hot Water							
Dishwasher Use Each Week							
Use a Dishwasher	56.7	4.7	14.7	12.3	11.2	13.7	7.4
Less Than Once a Week	9.4	0.7	1.9	2.1	2.2	2.5	12.0
Once Each Week	7.5	0.7	2.0	1.5	1.7	1.5	15.3
2 to 3 Times	17.8	1.4	4.8	3.9	3.5	4.2	10.6
4 to 6 Times	11.7	1.0	2.8	2.6	2.2	3.1	12.7
At Least Once Each Day	10.4	0.9	3.3	2.1	1.6	2.5	12.6
No Dishwasher	50.3	4.5	13.9	11.7	9.8	10.4	9.1
Loads of Laundry Washed Each Week							
Use a Clothes Washer	84.1	7.9	22.6	17.9	16.3	19.4	7.4
1 Load or Less	6.8	0.7	1.5	1.6	1.5	1.4	12.9
2 to 9 Loads	65.1	6.0	17.4	13.9	12.7	15.1	7.8
10 to 15 Loads	9.6	1.0	2.8	2.0	1.7	2.2	12.7
More than 15 Loads	2.7	0.3	0.9	0.5	0.5	0.6	23.4
No Washing Machine	22.9	1.4	6.1	6.1	4.7	4.7	10.2
Water Temperature Setting for Clothes Washer							
Wash Cycle							
Hot	6.2	0.3	2.0	1.2	1.1	1.5	16.4
Warm	49.7	5.0	14.4	11.0	9.3	10.0	8.4
Cold	28.2	2.6	6.2	5.7	5.9	7.9	9.9
Rinse Cycle							
Hot	1.4	Q	0.4	0.3	0.4	0.3	34.1
Warm	16.6	1.6	4.9	3.5	3.0	3.6	12.3
Cold	66.1	6.2	17.3	14.1	12.9	15.5	8.3
No Washing Machine	22.9	1.4	6.1	6.1	4.7	4.7	10.2
Clothes Dryer							
Use a Clothes Dryer	78.8	7.6	21.5	16.7	15.0	18.0	7.7
Every Time Clothes are Washed	63.5	5.2	17.4	13.2	12.3	15.3	8.1
Some, but not All, Loads	12.7	1.8	3.5	2.8	2.2	2.2	11.8
Used Infrequently	2.7	0.6	0.6	0.6	0.4	0.4	21.0
No Clothes Dryer	28.2	1.6	7.1	7.4	6.0	6.1	9.2
Cooking							
Number of Hot Meals Cooked in the Home							
3 or More Times a Day	7.5	0.6	2.3	1.1	1.7	1.8	14.5
2 Times a Day	26.8	2.3	6.8	6.2	5.4	6.0	9.1
Once a Day	43.3	4.0	12.9	9.7	7.9	8.9	8.9
A Few Times Each Week	21.7	1.6	5.2	5.0	4.4	5.5	10.4
About Once a Week	4.0	0.4	0.8	0.9	0.9	1.1	18.2
Less Than Once a Week	2.4	0.2	0.4	0.8	0.5	0.5	22.1
No Hot Meals Cooked	1.2	Q	0.3	0.3	Q	Q	48.1
Conventional Oven							
Use a Conventional Oven	99.4	8.9	27.6	22.6	19.0	21.3	7.9
More Than Once a Day	8.6	0.5	2.5	1.7	1.8	2.0	14.9
Once a Day	17.4	1.8	4.4	4.2	3.7	3.4	11.0
Between Once a Day and							
Once a Week	33.1	3.3	9.9	7.5	5.9	6.6	9.5
Once a Week	15.6	1.3	4.8	3.3	2.3	3.9	10.4
Less Than Once a Week	24.6	2.0	6.0	5.9	5.3	5.5	10.9
Do Not Use	7.6	0.3	1.1	1.4	2.0	2.7	18.3

See footnotes at end of table.

**Table HC6-1a. Usage Indicators by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.8	1.1	1.1	1.2	1.0	
Microwave Oven							
Use a Microwave Oven	92.1	8.8	24.8	20.0	17.9	20.7	7.1
Most or All	8.2	0.7	1.9	1.7	1.7	2.1	13.3
About Half	19.3	1.9	5.9	4.0	3.7	3.9	10.9
Some or Very Little	22.4	2.0	5.9	5.0	4.6	4.9	10.3
For Defrosting, Reheating, or Snacks	42.2	4.1	11.2	9.3	7.8	9.8	9.7
No Microwave Oven	14.8	0.5	3.8	4.0	3.1	3.4	13.0
Electric Coffee Maker							
Use an Electric Coffee Maker	65.5	6.7	18.0	14.7	12.1	13.9	7.9
Three or More Times a Day	2.4	0.4	0.6	0.6	0.2	0.5	21.2
Two Times a Day	5.9	0.5	1.9	1.1	1.2	1.2	16.4
Once a Day	33.6	3.0	9.2	7.5	6.1	7.8	9.4
A Few Times Each Week	9.4	1.2	2.3	2.2	2.0	1.8	11.8
About Once a Week	5.2	0.7	1.6	1.1	0.8	1.0	16.4
Less than Once a Week	9.0	0.9	2.3	2.2	1.9	1.6	12.0
No Electric Coffee Maker	41.5	2.5	10.6	9.3	8.9	10.2	8.1
Time Electric Coffee Maker is Left On							
Turned Off Right Away	18.8	1.7	5.5	4.6	3.7	3.3	10.4
Less than 15 Minutes	10.0	0.7	2.4	2.8	2.2	2.0	13.0
15 Minutes to 1 Hour	24.6	2.7	6.5	5.1	4.1	6.2	10.9
More than 1 Hour	12.1	1.6	3.7	2.3	2.2	2.4	13.0
Electric Toaster							
Use a Electric Toaster	36.1	1.9	8.2	9.1	7.6	9.3	8.8
Three or More Times a Day	1.0	Q	0.2	0.4	0.2	0.2	33.6
Two Times a Day	2.7	Q	0.7	0.6	0.7	0.6	22.3
Once a Day	8.2	0.6	1.7	2.1	1.8	2.1	13.4
A Few Times Each Week	11.9	0.5	2.8	3.1	2.3	3.2	12.0
About Once a Week	4.3	0.3	1.0	0.9	0.9	1.1	16.1
Less than Once a Week	7.9	0.5	1.7	2.0	1.6	2.1	13.4
No Electric Toaster	70.9	7.3	20.5	15.0	13.4	14.7	7.6
Lights							
Indoor Lights Turned On:							
1 to 4 Hours per Day							
None	10.2	1.0	3.1	2.3	1.8	2.2	15.4
1	30.1	2.5	8.2	7.2	5.3	7.0	9.5
2	30.7	2.8	8.1	6.5	6.9	6.4	9.0
3	16.6	1.3	4.6	3.6	3.1	4.0	11.9
4	10.5	1.0	2.6	2.5	2.1	2.3	14.5
5 or More	8.8	0.8	2.0	2.0	1.9	2.1	15.1
Between 4 and 12 Hours per Day							
None	30.2	4.3	9.3	5.1	5.1	6.6	11.0
1	25.2	1.7	6.0	5.6	5.5	6.4	9.9
2	25.5	1.4	6.6	6.6	5.7	5.1	8.2
3	12.7	0.9	3.4	3.3	2.1	2.9	12.2
4	7.2	0.4	1.9	1.7	1.5	1.7	14.0
5 or More	6.2	0.4	1.5	1.8	1.1	1.4	15.2
More than 12 Hours per Day							
None	81.1	8.1	22.8	17.5	15.8	16.9	7.4
1	14.4	0.7	3.7	3.6	2.3	4.0	10.5
2	6.8	0.2	1.5	1.4	1.7	2.0	16.4
3	2.4	Q	0.3	0.8	0.7	0.4	32.2
4	1.3	Q	Q	0.4	0.3	0.4	27.6
5 or More	1.1	Q	Q	0.4	Q	0.3	25.0

See footnotes at end of table.

**Table HC6-1a. Usage Indicators by Climate Zone,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.8	1.1	1.1	1.2	1.0	
Outdoor Lights on All Night							
Used	24.5	1.3	6.4	5.2	4.7	6.9	11.1
Not Used	82.5	8.0	22.2	18.8	16.3	17.2	7.0
Gas Fireplace							
Use a Gas Fireplace During Winter Months	3.7	Q	1.2	0.6	1.1	0.6	18.5
Most Days	1.3	Q	0.5	0.3	0.4	Q	35.2
Almost Once a Week	1.1	Q	0.4	Q	0.3	Q	35.2
Less Than 4 Times a Month	1.2	Q	0.3	Q	0.4	Q	30.2
Use a Personal Computer	60.0	5.7	16.7	13.1	12.1	12.6	7.4
Hours PC Turned On Each Week							
Less Than 2 Hours	10.3	1.0	2.7	2.2	1.9	2.6	13.2
2 to 15 Hours	26.3	2.3	7.5	5.7	5.5	5.3	8.9
16 to 40 Hours	12.2	1.2	3.3	2.9	2.5	2.3	12.4
More than 40 Hours	5.7	0.7	1.7	1.1	1.0	1.2	15.6
On All The Time	5.6	0.5	1.5	1.2	1.1	1.2	17.2
Use of PCs Turned on 16 Hours a Week or More							
Personal Use Only	14.0	1.6	4.2	2.7	2.6	2.8	12.8
Business Use Only	2.1	0.3	0.4	0.5	0.5	0.4	20.8
Both Personal and Business	7.3	0.5	1.9	1.9	1.5	1.5	13.7
Business Use of PCs Turned on 16 Hours a Week or More							
Use to Telecommute	3.6	0.2	1.0	0.9	0.5	0.9	19.4
Other Business Use	5.8	0.5	1.3	1.5	1.5	1.0	14.9
Battery Operated Appliances/Tools							
Use Battery Operated Appliances/ Tools	47.7	5.0	13.9	10.3	8.6	9.9	8.9
How Maintained When Not in Use							
Plugged in All The Time	10.8	1.0	3.0	2.2	2.1	2.5	13.8
Recharged As Needed	33.8	3.6	9.9	7.4	5.9	6.9	9.5
Both Ways are Used	3.1	0.3	1.0	0.7	0.6	0.5	19.0
Don't Use Any	59.3	4.2	14.7	13.7	12.4	14.2	7.9

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 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001**

Usage Indicators	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:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Total	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
Weekday Home Activities								
Home Used for Business								
Yes	7.6	1.5	1.0	1.5	0.8	1.0	1.8	13.6
No	99.4	13.9	17.3	17.3	12.9	13.2	24.8	4.3
Energy-Intensive Activity								
Yes	1.7	0.3	0.3	0.2	0.3	0.2	0.4	24.5
No	105.2	15.1	18.0	18.5	13.5	13.9	26.2	4.3
Someone Home All Day								
Yes	53.0	7.6	8.4	9.1	7.1	7.5	13.2	5.6
No	53.9	7.8	9.7	9.6	6.6	6.7	13.4	5.1
Heating								
Heat Home	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.2
Do Not Heat Home	1.0	Q	Q	Q	0.2	0.3	Q	23.7
No Heating Equipment	0.5	Q	Q	Q	0.2	Q	Q	32.0
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	Q	Q	43.6
Adequacy of Insulation								
Well Insulated	42.6	9.8	8.6	7.2	5.2	4.4	7.4	6.0
Adequately Insulated	43.1	4.9	7.5	7.9	5.8	6.3	10.7	6.0
Poorly Insulated	19.4	0.6	2.0	3.3	2.6	3.2	7.6	9.6
No Insulation	0.9	Q	Q	Q	Q	Q	0.5	30.3
Don't Know	0.9	Q	Q	Q	Q	Q	0.4	33.9
Occurrences of Drafts During Winter								
Never	5.9	0.4	0.7	1.1	0.7	0.6	2.4	17.0
Some of the Time	6.4	0.3	0.7	1.3	0.8	1.0	2.4	16.1
Most of the Time	34.6	4.1	5.4	5.3	4.3	5.3	10.2	6.9
All of the Time	55.3	10.2	10.4	10.2	7.3	6.7	10.5	5.5
Don't Know	4.7	0.5	1.1	0.9	0.6	0.6	1.0	16.7
Thermostat								
Heat Home	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.2
Thermostat Available During Heating Season	91.5	15.0	16.4	16.6	11.6	11.7	20.0	4.8
Programmable ²								
Yes	25.1	5.2	4.3	3.8	3.2	3.5	5.1	9.3
No	66.4	9.8	12.1	12.9	8.4	8.3	14.9	5.3
No Thermostat	14.5	0.4	1.8	1.9	2.0	2.1	6.3	11.5
Do Not Heat Home	1.0	Q	Q	Q	0.2	0.3	Q	23.7
Lower Winter Temperature Settings²								
Daytime When No One is at Home								
Yes	47.2	7.3	8.1	8.6	6.3	6.3	10.7	6.0
No	48.5	7.1	8.4	7.9	6.0	6.1	13.0	5.8
Unknown	10.3	1.1	1.7	2.1	1.3	1.5	2.6	11.7
During Sleeping Hours								
Yes	45.7	6.7	7.9	7.8	6.0	6.5	10.9	6.1
No	51.1	7.9	8.8	8.9	6.4	6.1	13.0	5.6
Unknown	9.2	0.9	1.5	1.9	1.2	1.3	2.4	12.2

See footnotes at end of table.

**Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Daytime Winter Temperature When Someone is at Home²								
Heat Turned On	96.8	14.6	16.6	16.7	12.3	12.6	24.0	4.4
63 Degrees or Less	3.9	0.4	0.5	0.7	0.6	0.6	1.1	16.6
64 to 66 Degrees	8.4	1.0	1.3	1.1	1.1	1.2	2.7	13.3
67 to 69 Degrees	23.6	4.1	3.4	4.0	3.0	3.2	5.9	8.1
70 Degrees	25.7	4.0	4.3	4.4	3.2	3.2	6.5	7.5
71 to 73 Degrees	16.5	2.7	3.1	2.8	2.2	2.1	3.6	9.3
74 Degrees or More	18.6	2.4	4.0	3.7	2.1	2.3	4.1	9.0
Heat Turned Off	2.0	Q	0.3	0.7	0.2	0.3	0.3	24.5
Unknown/No Answer	7.2	0.6	1.3	1.2	1.0	1.0	2.1	14.5
Daytime Winter Temperature When No One is at Home²								
Heat Turned On	87.6	13.3	15.0	14.7	11.0	11.4	22.2	4.3
63 Degrees or Less	17.7	2.2	2.9	3.0	2.2	2.4	5.0	9.9
64 to 66 Degrees	17.2	3.0	2.2	2.8	2.3	2.4	4.4	9.7
67 to 69 Degrees	19.1	3.2	3.3	3.1	2.4	2.6	4.5	8.9
70 Degrees	15.1	2.2	2.4	2.7	1.9	1.8	4.1	9.8
71 to 73 Degrees	8.7	1.4	1.7	1.2	1.2	1.2	2.1	11.5
74 Degrees or More	9.8	1.4	2.6	1.7	0.9	1.1	2.1	12.8
Heat Turned Off	10.5	1.2	1.8	2.6	1.6	1.5	1.8	13.4
Unknown/No Answer	8.0	0.8	1.4	1.4	1.0	1.1	2.4	13.5
Winter Temperature During Sleeping Hours²								
Heat Turned On	91.8	13.8	15.9	15.6	11.6	12.0	23.0	4.5
63 Degrees or Less	15.4	1.8	2.4	2.5	2.0	2.3	4.5	9.8
64 to 66 Degrees	17.4	2.5	2.8	2.7	2.3	2.5	4.6	8.8
67 to 69 Degrees	21.0	3.7	3.4	3.4	3.0	2.8	4.7	7.8
70 Degrees	17.4	2.8	2.6	3.1	1.8	2.3	4.8	8.9
71 to 73 Degrees	9.5	1.4	1.9	1.7	1.4	1.0	2.2	12.0
74 Degrees or More	11.1	1.7	2.9	2.2	1.0	1.1	2.2	12.0
Heat Turned Off	7.1	1.0	1.0	1.8	1.1	1.0	1.3	15.5
Unknown/No Answer	7.1	0.6	1.3	1.2	0.9	1.0	2.1	14.5
Air-Conditioning								
Central Air-Conditioning								
Use a Central System	58.6	12.8	13.9	11.3	7.2	6.9	6.4	5.8
All Summer	28.4	6.3	7.5	5.8	3.3	2.8	2.7	8.3
Quite a Bit	12.1	2.8	2.7	2.2	1.6	1.4	1.5	11.4
Only a Few Times	16.8	3.5	3.5	3.0	2.1	2.5	2.2	10.0
Not at All	1.4	Q	0.2	0.4	Q	Q	Q	26.5
No Central System	48.4	2.6	4.3	7.4	6.6	7.3	20.2	6.4
Window/Wall Air-Conditioning								
Use Window/Wall Units	25.1	0.8	2.3	3.5	3.3	3.8	11.3	8.5
All Summer	4.9	0.2	0.4	0.7	0.7	0.7	2.2	19.3
Quite a Bit	5.2	Q	0.5	0.8	0.7	0.6	2.5	17.2
Only a Few Times	14.1	0.4	1.3	1.8	1.8	2.4	6.3	10.4
Not at All	0.9	Q	Q	Q	Q	Q	0.4	37.3
No Window/Wall Units	81.9	14.6	16.0	15.2	10.5	10.4	15.3	4.3

See footnotes at end of table.

**Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Hot Water								
Dishwasher Use Each Week								
Use a Dishwasher	56.7	12.3	12.8	10.4	7.0	6.2	8.1	5.7
Less Than Once a Week	9.4	1.5	2.1	2.0	1.5	1.0	1.4	12.3
Once Each Week	7.5	1.3	1.5	1.5	1.1	0.9	1.2	14.2
2 to 3 Times	17.8	3.6	4.3	3.2	2.1	2.5	2.1	9.8
4 to 6 Times	11.7	3.2	2.7	1.7	1.5	0.9	1.7	11.5
At Least Once Each Day	10.4	2.8	2.2	2.0	0.9	0.9	1.7	11.5
No Dishwasher	50.3	3.2	5.5	8.4	6.8	8.0	18.5	5.9
Loads of Laundry Washed Each Week								
Use a Clothes Washer	84.1	13.8	14.8	13.9	10.1	11.8	19.7	4.5
1 Load or Less	6.8	0.4	1.1	1.2	1.0	1.0	2.1	13.3
2 to 9 Loads	65.1	11.1	11.3	10.7	7.9	9.5	14.7	4.9
10 to 15 Loads	9.6	2.0	1.9	1.6	0.9	1.1	2.1	11.0
More than 15 Loads	2.7	0.4	0.5	0.5	0.3	0.2	0.8	22.1
No Washing Machine	22.9	1.6	3.5	4.9	3.7	2.3	6.9	9.5
Water Temperature Setting for Clothes Washer								
Wash Cycle								
Hot	6.2	0.9	0.9	1.1	0.8	0.9	1.6	13.9
Warm	49.7	8.0	8.6	8.0	5.8	7.3	12.0	5.9
Cold	28.2	5.0	5.3	4.7	3.5	3.6	6.1	7.2
Rinse Cycle								
Hot	1.4	0.3	Q	0.3	Q	Q	0.3	30.4
Warm	16.6	2.7	2.7	2.8	1.9	2.8	3.9	10.0
Cold	66.1	10.9	12.0	10.8	8.0	8.8	15.5	5.1
No Washing Machine	22.9	1.6	3.5	4.9	3.7	2.3	6.9	9.5
Clothes Dryer								
Use a Clothes Dryer	78.8	13.6	14.2	13.0	9.5	10.7	17.9	4.7
Every Time Clothes are Washed	63.5	11.4	12.0	10.6	6.9	8.6	13.9	5.1
Some, but not All, Loads	12.7	1.9	1.9	2.0	2.0	1.7	3.2	9.8
Used Infrequently	2.7	0.2	0.2	0.4	0.5	0.4	0.8	21.1
No Clothes Dryer	28.2	1.8	4.1	5.8	4.3	3.5	8.7	8.2
Cooking								
Number of Hot Meals Cooked in the Home								
3 or More Times a Day	7.5	1.3	1.0	1.3	1.0	1.0	1.9	13.4
2 Times a Day	26.8	4.4	4.1	4.5	3.4	3.7	6.7	7.1
Once a Day	43.3	6.6	7.5	7.4	6.0	5.4	10.4	5.8
A Few Times Each Week	21.7	2.4	4.3	4.2	2.5	3.1	5.2	8.4
About Once a Week	4.0	0.5	0.6	0.9	0.4	0.6	1.2	18.3
Less Than Once a Week	2.4	Q	0.4	0.4	0.3	0.4	0.8	23.1
No Hot Meals Cooked	1.2	Q	0.4	Q	Q	Q	0.4	39.0
Conventional Oven								
Use a Conventional Oven	99.4	13.7	16.8	17.4	12.7	13.4	25.3	4.3
More Than Once a Day	8.6	1.5	1.3	1.5	1.1	1.1	2.1	13.6
Once a Day	17.4	2.7	3.2	2.9	2.4	2.2	4.0	8.5
Between Once a Day and								
Once a Week	33.1	5.1	5.4	6.0	3.9	4.8	7.9	7.0
Once a Week	15.6	2.2	2.5	3.0	2.3	1.7	3.9	9.6
Less Than Once a Week	24.6	2.2	4.4	4.0	3.1	3.6	7.3	8.4
Do Not Use	7.6	1.8	1.4	1.3	1.1	0.8	1.3	15.4

See footnotes at end of table.

**Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Microwave Oven								
Use a Microwave Oven	92.1	14.4	15.9	16.5	11.7	12.2	21.4	4.2
Most or All	8.2	1.0	1.5	1.5	1.3	1.2	1.8	13.2
About Half	19.3	3.1	3.6	3.1	2.7	2.4	4.4	8.8
Some or Very Little	22.4	4.0	4.0	4.0	2.6	2.8	5.1	8.2
For Defrosting, Reheating, or Snacks	42.2	6.3	6.9	7.9	5.3	5.7	10.1	6.1
No Microwave Oven	14.8	1.0	2.3	2.3	2.0	2.0	5.2	11.0
Electric Coffee Maker								
Use an Electric Coffee Maker	65.5	10.6	11.2	11.0	8.4	8.8	15.5	4.9
Three or More Times a Day	2.4	0.5	0.2	0.3	0.3	0.4	0.7	22.8
Two Times a Day	5.9	0.8	0.8	1.0	0.8	0.8	1.8	14.0
Once a Day	33.6	5.9	5.8	5.5	4.5	4.4	7.5	6.4
A Few Times Each Week	9.4	1.5	1.7	1.7	1.1	1.3	2.1	11.3
About Once a Week	5.2	0.8	1.0	0.9	0.6	0.7	1.1	16.9
Less than Once a Week	9.0	1.1	1.6	1.6	1.2	1.2	2.3	11.8
No Electric Coffee Maker	41.5	4.9	7.1	7.8	5.3	5.3	11.1	6.0
Time Electric Coffee Maker is Left On								
Turned Off Right Away	18.8	2.3	3.4	2.9	2.7	2.5	5.0	8.5
Less than 15 Minutes	10.0	1.5	2.0	1.6	1.2	1.5	2.2	10.7
15 Minutes to 1 Hour	24.6	4.8	3.8	4.2	3.0	3.4	5.3	8.1
More than 1 Hour	12.1	1.9	2.0	2.2	1.6	1.4	3.0	10.8
Electric Toaster								
Use a Electric Toaster	36.1	5.3	7.0	6.1	4.9	4.4	8.4	6.9
Three or More Times a Day	1.0	Q	Q	Q	Q	Q	Q	34.0
Two Times a Day	2.7	0.5	0.5	0.4	0.3	0.4	0.6	22.5
Once a Day	8.2	1.0	1.7	1.3	1.3	1.0	2.0	13.4
A Few Times Each Week	11.9	1.9	2.2	2.2	1.6	1.5	2.6	10.9
About Once a Week	4.3	0.7	0.7	0.8	0.7	0.5	0.9	16.3
Less than Once a Week	7.9	1.2	1.7	1.2	1.1	0.9	1.9	12.3
No Electric Toaster	70.9	10.1	11.3	12.7	8.8	9.8	18.2	4.6
Lights								
Indoor Lights Turned On:								
1 to 4 Hours per Day								
None	10.2	1.1	1.6	1.9	1.2	1.4	3.1	12.6
1	30.1	3.6	4.9	4.9	4.3	4.0	8.4	7.3
2	30.7	4.4	5.5	5.6	3.6	3.9	7.7	7.7
3	16.6	2.8	2.9	3.1	2.2	2.4	3.1	9.2
4	10.5	1.5	1.7	1.9	1.3	1.5	2.5	12.0
5 or More	8.8	2.1	1.7	1.2	1.1	1.0	1.8	13.9
Between 4 and 12 Hours per Day								
None	30.2	4.1	4.7	5.1	3.7	4.0	8.6	7.7
1	25.2	2.9	4.4	4.5	3.6	3.5	6.2	7.7
2	25.5	3.7	4.2	5.1	3.4	3.3	5.7	7.7
3	12.7	1.7	2.5	2.3	1.5	1.9	2.8	10.7
4	7.2	1.2	1.3	1.1	0.8	0.8	1.9	13.6
5 or More	6.2	1.8	1.1	0.6	0.8	0.6	1.4	15.9
More than 12 Hours per Day								
None	81.1	11.9	14.0	13.9	10.3	10.8	20.2	4.5
1	14.4	2.0	2.0	3.0	1.9	2.0	3.6	10.4
2	6.8	0.8	1.2	1.0	1.1	0.9	1.8	15.1
3	2.4	0.4	0.5	0.5	Q	0.3	0.5	26.1
4	1.3	Q	0.2	Q	Q	Q	0.4	31.7
5 or More	1.1	Q	0.3	Q	Q	Q	Q	29.3

See footnotes at end of table.

**Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Outdoor Lights on All Night								
Used	24.5	3.4	4.7	4.7	3.2	3.6	4.9	8.4
Not Used	82.5	12.1	13.5	14.1	10.6	10.5	21.7	4.5
Gas Fireplace								
Use a Gas Fireplace During Winter								
Months	3.7	1.4	0.7	0.6	0.3	0.3	0.5	19.5
Most Days	1.3	0.4	0.2	0.2	Q	Q	0.3	30.8
Almost Once a Week	1.1	0.6	Q	Q	Q	Q	Q	29.0
Less Than 4 Times a Month	1.2	0.4	0.3	Q	Q	Q	Q	27.3
Use a Personal Computer	60.0	11.0	11.6	10.3	7.2	7.8	12.0	5.3
Hours PC Turned On Each Week								
Less Than 2 Hours	10.3	1.8	1.8	2.1	1.2	1.5	1.9	12.0
2 to 15 Hours	26.3	4.6	5.1	4.4	3.3	3.4	5.5	7.5
16 to 40 Hours	12.2	2.7	2.7	1.6	1.5	1.5	2.3	11.0
More than 40 Hours	5.7	0.8	1.1	1.2	0.7	0.8	1.1	15.4
On All The Time	5.6	1.1	0.9	1.0	0.6	0.6	1.3	16.3
Use of PCs Turned on 16 Hours a Week or More								
Personal Use Only	14.0	2.5	2.7	2.4	1.7	2.0	2.7	9.7
Business Use Only	2.1	0.5	0.4	0.3	0.3	0.2	0.4	23.6
Both Personal and Business	7.3	1.6	1.7	1.1	0.7	0.7	1.5	14.0
Business Use of PCs Turned on 16 Hours a Week or More								
Use to Telecommute	3.6	0.9	0.8	0.5	0.4	0.2	0.7	22.1
Other Business Use	5.8	1.2	1.3	0.9	0.6	0.7	1.2	15.0
Battery Operated Appliances/Tools								
Use Battery Operated Appliances/ Tools	47.7	8.1	8.3	8.2	6.1	6.5	10.5	6.0
How Maintained When Not in Use								
Plugged in All The Time	10.8	1.8	2.2	1.8	1.4	1.7	1.9	12.3
Recharged As Needed	33.8	5.7	5.7	5.8	4.4	4.4	7.8	6.8
Both Ways are Used	3.1	0.7	0.3	0.6	0.2	0.4	0.8	20.7
Don't Use Any	59.3	7.3	10.0	10.6	7.7	7.6	16.1	5.3

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 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-3a. Usage Indicators by Household Income, Million U.S. Households, 2001

Usage Indicators	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:	0.5	1.4	1.1	1.0	0.9	1.5	1.0	
Total	107.0	18.7	22.9	27.1	38.3	15.0	33.8	3.2
Weekday Home Activities								
Home Used for Business								
Yes	7.6	0.4	1.1	1.7	4.5	0.3	1.2	14.9
No	99.4	18.3	21.8	25.4	33.9	14.6	32.6	3.3
Energy-Intensive Activity								
Yes	1.7	Q	0.3	0.4	0.8	Q	0.4	24.1
No	105.2	18.6	22.6	26.7	37.4	14.8	33.4	3.2
Someone Home All Day								
Yes	53.0	11.6	12.1	12.7	16.7	9.6	20.9	4.1
No	53.9	7.1	10.8	14.4	21.6	5.4	12.8	4.4
Heating								
Heat Home	106.0	18.4	22.7	26.8	38.1	14.6	33.4	3.3
Do Not Heat Home	1.0	0.3	Q	0.3	0.3	0.3	0.4	23.5
No Heating Equipment	0.5	Q	Q	Q	0.2	Q	Q	38.0
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	0.2	0.3	23.4
Adequacy of Insulation								
Well Insulated	42.6	7.3	8.1	9.8	17.4	5.4	12.0	5.1
Adequately Insulated	43.1	6.3	9.4	11.6	15.9	5.0	12.7	5.2
Poorly Insulated	19.4	4.6	4.8	5.3	4.7	4.2	8.2	7.3
No Insulation	0.9	Q	0.3	0.2	0.2	Q	0.4	26.4
Don't Know	0.9	0.3	0.3	Q	Q	0.2	0.5	24.1
Occurrences of Drafts During Winter								
Never	5.9	1.8	1.4	1.9	0.9	1.7	3.1	12.6
Some of the Time	6.4	1.3	1.8	1.8	1.5	1.3	2.7	11.8
Most of the Time	34.6	5.5	7.1	9.1	12.9	4.4	10.5	5.6
All of the Time	55.3	9.1	11.4	13.1	21.7	6.6	15.5	4.6
Don't Know	4.7	1.0	1.2	1.1	1.4	0.9	1.9	13.9
Thermostat								
Heat Home	106.0	18.4	22.7	26.8	38.1	14.6	33.4	3.3
Thermostat Available During Heating Season	91.5	13.1	19.1	24.1	35.2	10.2	25.6	3.8
Programmable ²								
Yes	25.1	2.0	4.0	6.6	12.5	1.6	5.1	9.0
No	66.4	11.1	15.1	17.5	22.7	8.6	20.5	4.4
No Thermostat	14.5	5.3	3.7	2.7	2.8	4.4	7.8	8.3
Do Not Heat Home	1.0	0.3	Q	0.3	0.3	0.3	0.4	23.5
Lower Winter Temperature Settings²								
Daytime When No One is at Home								
Yes	47.2	7.3	10.2	11.7	18.2	6.1	13.1	5.3
No	48.5	8.0	10.3	12.9	17.3	5.8	15.5	5.1
Unknown	10.3	3.1	2.3	2.3	2.6	2.8	4.7	9.5
During Sleeping Hours								
Yes	45.7	7.1	9.3	11.5	17.8	5.5	12.8	5.4
No	51.1	8.3	11.3	13.5	18.0	6.6	16.1	5.0
Unknown	9.2	3.0	2.1	1.9	2.2	2.6	4.4	10.1

See footnotes at end of table.

Table HC6-3a. Usage Indicators by Household Income, Million U.S. Households, 2001 (Continued)

Usage Indicators	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:	0.5	1.4	1.1	1.0	0.9	1.5	1.0	
Daytime Winter Temperature When Someone is at Home²								
Heat Turned On	96.8	15.3	20.7	24.9	35.8	12.0	28.9	3.6
63 Degrees or Less	3.9	0.8	1.0	1.0	1.2	0.8	1.5	14.3
64 to 66 Degrees	8.4	1.3	1.8	2.1	3.2	1.1	2.5	11.4
67 to 69 Degrees	23.6	2.4	4.5	6.4	10.3	1.4	5.2	7.1
70 Degrees	25.7	4.5	5.5	6.8	8.9	3.6	8.5	6.5
71 to 73 Degrees	16.5	2.1	3.5	4.0	6.8	1.6	4.1	7.9
74 Degrees or More	18.6	4.2	4.5	4.6	5.5	3.4	7.2	8.1
Heat Turned Off	2.0	0.7	0.3	0.5	0.6	0.7	0.9	18.5
Unknown/No Answer	7.2	2.4	1.7	1.5	1.7	2.0	3.5	11.6
Daytime Winter Temperature When No One is at Home²								
Heat Turned On	87.6	13.5	18.5	22.5	33.1	10.2	25.6	3.5
63 Degrees or Less	17.7	3.0	4.0	4.3	6.5	2.5	5.1	8.7
64 to 66 Degrees	17.2	2.3	3.6	4.4	6.8	1.8	4.6	8.1
67 to 69 Degrees	19.1	2.3	3.7	5.0	8.0	1.5	4.7	8.7
70 Degrees	15.1	2.8	3.3	3.9	5.2	2.1	5.4	8.8
71 to 73 Degrees	8.7	1.2	1.7	2.3	3.5	0.8	2.4	10.7
74 Degrees or More	9.8	2.0	2.2	2.5	3.1	1.5	3.4	11.6
Heat Turned Off	10.5	2.6	2.3	2.6	2.9	2.5	4.1	11.3
Unknown/No Answer	8.0	2.3	1.9	1.7	2.0	2.0	3.6	10.9
Winter Temperature During Sleeping Hours²								
Heat Turned On	91.8	14.5	19.5	23.6	34.1	11.2	27.4	3.7
63 Degrees or Less	15.4	2.6	3.4	3.9	5.5	1.9	4.6	9.0
64 to 66 Degrees	17.4	2.9	3.7	4.5	6.3	2.3	5.2	7.5
67 to 69 Degrees	21.0	2.5	4.1	5.3	9.1	1.6	5.1	7.2
70 Degrees	17.4	3.0	3.9	4.3	6.2	2.6	6.0	8.2
71 to 73 Degrees	9.5	1.1	1.6	2.7	4.0	0.8	2.1	11.2
74 Degrees or More	11.1	2.4	2.7	2.9	3.1	2.0	4.4	10.2
Heat Turned Off	7.1	1.5	1.5	1.8	2.3	1.5	2.5	12.5
Unknown/No Answer	7.1	2.3	1.7	1.4	1.6	2.0	3.5	11.5
Air-Conditioning								
Central Air-Conditioning								
Use a Central System	58.6	6.3	11.3	15.5	25.6	4.7	12.9	5.3
All Summer	28.4	3.1	5.0	7.5	12.8	2.5	5.9	8.0
Quite a Bit	12.1	1.2	2.1	3.1	5.7	0.7	2.6	10.6
Only a Few Times	16.8	1.7	3.6	4.5	6.8	1.2	3.8	9.1
Not at All	1.4	Q	0.6	0.3	0.3	Q	0.6	27.2
No Central System	48.4	12.4	11.6	11.6	12.7	10.3	20.9	4.5
Window/Wall Air-Conditioning								
Use Window/Wall Units	25.1	6.2	6.3	6.2	6.4	5.1	10.8	6.0
All Summer	4.9	1.5	1.3	0.9	1.2	1.3	2.5	13.4
Quite a Bit	5.2	1.1	1.3	1.6	1.2	0.8	1.9	13.1
Only a Few Times	14.1	3.4	3.5	3.4	3.8	2.7	6.0	7.2
Not at All	0.9	0.3	Q	0.2	Q	0.3	0.4	28.1
No Window/Wall Units	81.9	12.5	16.6	20.9	31.9	9.9	23.0	3.5

See footnotes at end of table.

Table HC6-3a. Usage Indicators by Household Income, Million U.S. Households, 2001 (Continued)

Usage Indicators	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:	0.5	1.4	1.1	1.0	0.9	1.5	1.0	
Hot Water								
Dishwasher Use Each Week								
Use a Dishwasher	56.7	3.3	9.1	14.9	29.3	2.6	9.0	5.4
Less Than Once a Week	9.4	0.9	2.1	2.7	3.7	0.4	2.0	11.5
Once Each Week	7.5	0.6	2.1	2.1	2.8	0.5	1.6	14.0
2 to 3 Times	17.8	0.8	2.5	5.2	9.2	0.5	2.2	10.0
4 to 6 Times	11.7	0.6	1.1	2.6	7.3	0.7	1.4	13.2
At Least Once Each Day	10.4	0.4	1.3	2.4	6.4	0.4	1.9	12.2
No Dishwasher	50.3	15.4	13.8	12.2	9.0	12.4	24.8	4.4
Loads of Laundry Washed Each Week								
Use a Clothes Washer	84.1	10.7	16.4	22.1	34.9	8.3	22.0	3.9
1 Load or Less	6.8	1.8	2.0	1.6	1.3	1.1	2.6	11.1
2 to 9 Loads	65.1	8.0	12.8	17.3	27.0	6.1	16.2	4.2
10 to 15 Loads	9.6	0.8	1.3	2.6	4.9	0.9	2.4	10.8
More than 15 Loads	2.7	Q	0.3	0.6	1.6	0.2	0.8	19.1
No Washing Machine	22.9	8.0	6.5	4.9	3.4	6.6	11.8	6.8
Water Temperature Setting for Clothes Washer								
Wash Cycle								
Hot	6.2	1.1	1.6	1.5	2.1	0.8	2.2	12.6
Warm	49.7	6.3	9.1	13.0	21.3	4.7	12.7	5.1
Cold	28.2	3.4	5.7	7.7	11.5	2.8	7.2	6.3
Rinse Cycle								
Hot	1.4	Q	0.4	0.4	0.4	Q	0.6	27.3
Warm	16.6	2.8	3.2	4.0	6.7	1.7	4.9	9.2
Cold	66.1	7.8	12.8	17.8	27.7	6.5	16.6	4.4
No Washing Machine	22.9	8.0	6.5	4.9	3.4	6.6	11.8	6.8
Clothes Dryer								
Use a Clothes Dryer	78.8	8.4	15.0	21.3	34.1	6.5	18.7	4.1
Every Time Clothes are Washed	63.5	6.4	11.5	17.3	28.3	5.1	14.4	4.8
Some, but not All, Loads	12.7	1.3	2.8	3.6	5.0	1.1	3.3	8.4
Used Infrequently	2.7	0.7	0.7	0.5	0.8	0.4	1.0	16.2
No Clothes Dryer	28.2	10.3	7.9	5.8	4.2	8.5	15.1	6.1
Cooking								
Number of Hot Meals Cooked in the Home								
3 or More Times a Day	7.5	1.5	1.8	2.1	2.1	1.4	3.4	11.4
2 Times a Day	26.8	5.0	6.0	6.6	9.2	4.3	9.8	6.1
Once a Day	43.3	6.7	8.8	10.8	17.1	5.0	12.3	4.8
A Few Times Each Week	21.7	3.4	4.1	5.8	8.3	2.6	5.5	7.1
About Once a Week	4.0	1.0	1.2	0.8	1.1	0.8	1.4	15.3
Less Than Once a Week	2.4	0.6	0.7	0.7	0.4	0.5	0.9	19.9
No Hot Meals Cooked	1.2	0.5	Q	0.3	Q	0.4	0.6	27.3
Conventional Oven								
Use a Conventional Oven	99.4	17.5	21.8	25.4	34.7	13.9	31.9	3.3
More Than Once a Day	8.6	1.8	1.8	2.1	2.9	1.7	3.6	11.5
Once a Day	17.4	2.5	3.2	5.0	6.8	2.0	5.3	7.8
Between Once a Day and Once a Week	33.1	4.3	6.2	8.7	14.0	3.5	8.6	6.0
Once a Week	15.6	2.4	4.1	3.7	5.4	2.0	4.6	8.1
Less Than Once a Week	24.6	6.5	6.4	6.1	5.6	4.8	9.9	6.6
Do Not Use	7.6	1.2	1.1	1.7	3.6	1.0	1.9	14.2

See footnotes at end of table.

Table HC6-3a. Usage Indicators by Household Income, Million U.S. Households, 2001 (Continued)

Usage Indicators	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:	0.5	1.4	1.1	1.0	0.9	1.5	1.0	
Microwave Oven								
Use a Microwave Oven	92.1	14.0	19.4	23.8	35.0	11.0	26.7	3.3
Most or All	8.2	1.7	2.3	1.8	2.4	1.5	2.8	11.0
About Half	19.3	2.6	3.6	4.8	8.3	2.0	4.5	7.8
Some or Very Little	22.4	2.8	4.2	6.5	8.9	2.0	5.8	6.9
For Defrosting, Reheating, or Snacks	42.2	6.9	9.3	10.7	15.3	5.6	13.6	5.3
No Microwave Oven	14.8	4.7	3.5	3.3	3.3	4.0	7.1	9.3
Electric Coffee Maker								
Use an Electric Coffee Maker	65.5	8.7	12.8	16.7	27.3	6.4	17.2	4.1
Three or More Times a Day	2.4	0.5	0.5	0.6	0.7	0.4	0.9	19.0
Two Times a Day	5.9	1.1	1.2	1.6	2.0	0.8	2.1	13.2
Once a Day	33.6	4.1	6.4	8.6	14.4	2.9	8.4	5.9
A Few Times Each Week	9.4	1.0	1.8	2.5	4.1	0.7	2.1	10.4
About Once a Week	5.2	0.6	1.0	1.3	2.4	0.6	1.2	15.0
Less than Once a Week	9.0	1.4	1.9	2.1	3.6	1.1	2.4	9.8
No Electric Coffee Maker	41.5	10.0	10.0	10.4	11.0	8.6	16.6	4.9
Time Electric Coffee Maker is Left On								
Turned Off Right Away	18.8	3.1	4.2	5.1	6.4	2.3	5.6	7.2
Less than 15 Minutes	10.0	1.1	1.8	2.6	4.5	0.9	2.5	10.1
15 Minutes to 1 Hour	24.6	2.9	4.3	6.2	11.2	1.9	5.8	7.3
More than 1 Hour	12.1	1.6	2.5	2.9	5.2	1.3	3.4	9.8
Electric Toaster								
Use a Electric Toaster	36.1	5.1	7.7	8.9	14.3	4.1	10.3	5.7
Three or More Times a Day	1.0	0.3	0.3	0.3	0.3	Q	0.5	27.2
Two Times a Day	2.7	0.5	0.7	0.6	1.0	0.3	0.9	18.4
Once a Day	8.2	1.0	2.0	1.9	3.2	0.9	2.4	11.8
A Few Times Each Week	11.9	1.3	2.3	3.0	5.3	1.2	2.8	9.5
About Once a Week	4.3	0.7	1.0	1.1	1.5	0.5	1.5	14.3
Less than Once a Week	7.9	1.4	1.4	2.1	3.1	1.0	2.2	10.3
No Electric Toaster	70.9	13.6	15.2	18.2	24.0	10.9	23.5	3.6
Lights								
Indoor Lights Turned On:								
1 to 4 Hours per Day								
None	10.2	2.7	2.6	2.2	2.8	2.2	4.4	9.8
1	30.1	8.0	8.1	7.5	6.5	6.5	13.0	5.4
2	30.7	4.8	6.7	8.5	10.6	3.7	9.1	6.3
3	16.6	1.9	2.8	4.3	7.6	1.4	3.7	8.4
4	10.5	0.8	1.8	2.7	5.2	0.8	2.1	11.2
5 or More	8.8	0.4	0.9	1.9	5.6	0.5	1.5	13.9
Between 4 and 12 Hours per Day								
None	30.2	7.1	7.4	6.9	8.9	5.6	11.5	5.8
1	25.2	5.5	6.3	6.8	6.5	4.4	9.1	6.3
2	25.5	4.1	5.7	6.8	9.0	3.1	7.8	6.5
3	12.7	1.2	1.8	3.9	5.8	1.2	3.1	9.9
4	7.2	0.5	1.2	1.6	3.8	0.5	1.5	13.2
5 or More	6.2	0.3	0.4	1.2	4.4	0.3	0.8	17.6
More than 12 Hours per Day								
None	81.1	13.5	17.7	21.1	28.8	10.7	24.8	3.5
1	14.4	3.1	3.0	3.5	4.8	2.5	5.3	8.2
2	6.8	1.4	1.4	1.5	2.4	1.3	2.3	13.7
3	2.4	0.4	0.3	0.5	1.2	0.4	0.7	25.4
4	1.3	Q	Q	Q	0.6	Q	0.4	27.0
5 or More	1.1	Q	Q	0.2	0.6	Q	Q	27.1

See footnotes at end of table.

Table HC6-3a. Usage Indicators by Household Income, Million U.S. Households, 2001 (Continued)

Usage Indicators	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:	0.5	1.4	1.1	1.0	0.9	1.5	1.0	
Outdoor Lights on All Night								
Used	24.5	3.2	5.2	5.7	10.5	2.5	6.6	7.3
Not Used	82.5	15.5	17.7	21.4	27.8	12.5	27.2	3.4
Gas Fireplace								
Use a Gas Fireplace During Winter Months	3.7	Q	Q	0.7	2.6	Q	0.3	18.1
Most Days	1.3	Q	Q	0.3	0.9	Q	Q	29.2
Almost Once a Week	1.1	Q	Q	Q	0.8	Q	Q	28.8
Less Than 4 Times a Month	1.2	Q	Q	0.3	0.9	Q	Q	25.6
Use a Personal Computer	60.0	3.7	8.7	16.0	31.6	3.7	10.5	4.8
Hours PC Turned On Each Week								
Less Than 2 Hours	10.3	0.8	2.1	3.1	4.3	0.7	2.1	11.1
2 to 15 Hours	26.3	1.7	4.0	7.4	13.2	1.7	4.8	6.8
16 to 40 Hours	12.2	0.5	1.2	3.1	7.4	0.6	1.7	11.2
More than 40 Hours	5.7	0.4	0.5	1.4	3.4	0.4	0.9	16.7
On All The Time	5.6	0.3	0.9	1.0	3.4	0.3	1.0	17.5
Use of PCs Turned on 16 Hours a Week or More								
Personal Use Only	14.0	1.0	1.7	3.9	7.4	0.9	2.6	10.2
Business Use Only	2.1	Q	Q	0.3	1.6	Q	Q	18.9
Both Personal and Business	7.3	Q	0.7	1.3	5.1	0.3	0.8	15.9
Business Use of PCs Turned on 16 Hours a Week or More								
Use to Telecommute	3.6	Q	0.3	0.5	2.8	Q	Q	22.5
Other Business Use	5.8	0.2	0.6	1.0	4.0	0.3	0.8	17.6
Battery Operated Appliances/Tools								
Use Battery Operated Appliances/Tools	47.7	3.2	7.9	12.5	24.0	2.4	8.7	5.7
How Maintained When Not in Use								
Plugged in All The Time	10.8	0.8	1.2	2.9	5.9	0.5	1.8	11.2
Recharged As Needed	33.8	2.1	6.3	9.0	16.3	1.7	6.3	6.6
Both Ways are Used	3.1	0.3	0.4	0.6	1.8	Q	0.6	17.6
Don't Use Any	59.3	15.5	14.9	14.6	14.3	12.6	25.1	4.2

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

² The 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-4a. Usage Indicators by Type of Housing Unit,
Million U.S. Households, 2001**

Usage Indicators	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Total	107.0	73.7	9.5	17.0	6.8	4.3
Weekday Home Activities						
Home Used for Business						
Yes	7.6	6.2	0.4	0.5	0.5	14.6
No	99.4	67.5	9.1	16.5	6.4	4.5
Energy-Intensive Activity						
Yes	1.7	1.4	Q	Q	Q	29.9
No	105.2	72.2	9.4	16.9	6.8	4.3
Someone Home All Day						
Yes	53.0	38.3	4.2	7.3	3.2	5.3
No	53.9	35.4	5.3	9.7	3.6	5.2
Heating						
Heat Home	106.0	73.4	9.4	16.4	6.8	4.3
Do Not Heat Home	1.0	0.3	Q	0.6	Q	20.3
No Heating Equipment	0.5	0.2	Q	0.3	Q	25.9
Have Equipment But Do Not Use It	0.4	Q	Q	0.3	Q	30.7
Adequacy of Insulation						
Well Insulated	42.6	30.4	3.0	6.8	2.5	6.7
Adequately Insulated	43.1	30.1	3.3	7.1	2.6	6.0
Poorly Insulated	19.4	12.2	2.9	2.7	1.7	8.1
No Insulation	0.9	0.6	Q	Q	Q	34.7
Don't Know	0.9	0.4	Q	0.4	Q	35.3
Occurrences of Drafts During Winter						
Never	5.9	3.6	1.0	0.9	0.3	14.3
Some of the Time	6.4	3.9	1.2	1.0	0.4	12.6
Most of the	34.6	23.6	3.2	5.4	2.5	6.8
All of the Time	55.3	40.5	3.5	8.0	3.4	5.7
Don't Know	4.7	2.1	0.6	1.7	0.2	15.4
Thermostat						
Heat Home	106.0	73.4	9.4	16.4	6.8	4.3
Thermostat Available During Heating Season	91.5	66.4	7.5	11.6	6.1	5.1
Programmable ¹						
Yes	25.1	20.9	1.3	1.9	1.0	11.8
No	66.4	45.5	6.2	9.6	5.1	5.6
No Thermostat	14.5	7.0	1.9	4.9	0.7	9.5
Do Not Heat Home	1.0	0.3	Q	0.6	Q	20.3
Lower Winter Temperature Settings¹						
Daytime When No One is at Home						
Yes	47.2	34.9	3.7	5.5	3.1	6.2
No	48.5	33.8	4.4	7.1	3.2	5.8
Unknown	10.3	4.7	1.3	3.8	0.5	11.2
During Sleeping Hours						
Yes	45.7	34.5	2.9	5.4	2.8	6.4
No	51.1	35.0	5.3	7.3	3.5	5.7
Unknown	9.2	3.9	1.2	3.7	0.4	11.7

See footnotes at end of table.

**Table HC6-4a. Usage Indicators by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Type of Housing Unit			Mobile Homes	RSE Row Factors
		Single-Family	Apartments in Buildings With			
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Daytime Winter Temperature When Someone is at Home¹						
Heat Turned On	96.8	69.4	8.2	12.8	6.3	4.5
63 Degrees or Less	3.9	2.5	0.6	0.6	0.3	15.2
64 to 66 Degrees	8.4	5.7	0.9	1.2	0.6	12.0
67 to 69 Degrees	23.6	18.6	1.5	2.0	1.5	8.0
70 Degrees	25.7	18.3	2.3	3.4	1.6	7.3
71 to 73 Degrees	16.5	12.2	1.0	2.1	1.2	9.7
74 Degrees or More	18.6	12.3	1.8	3.4	1.2	9.1
Heat Turned Off	2.0	0.9	0.2	0.7	Q	24.0
Unknown/No Answer	7.2	3.0	1.0	2.9	0.3	13.6
Daytime Winter Temperature When No One is at Home¹						
Heat Turned On	87.6	64.2	7.3	10.3	5.7	4.2
63 Degrees or Less	17.7	13.1	1.6	1.6	1.3	9.7
64 to 66 Degrees	17.2	13.1	1.4	1.7	1.0	9.2
67 to 69 Degrees	19.1	14.8	1.4	1.7	1.2	10.1
70 Degrees	15.1	10.3	1.5	2.2	1.1	8.8
71 to 73 Degrees	8.7	6.5	0.5	1.2	0.5	12.4
74 Degrees or More	9.8	6.4	0.9	1.9	0.6	13.0
Heat Turned Off	10.5	5.7	1.0	3.1	0.6	12.9
Unknown/No Answer	8.0	3.5	1.1	3.0	0.4	12.5
Winter Temperature During Sleeping Hours¹						
Heat Turned On	91.8	66.6	7.8	11.1	6.2	4.5
63 Degrees or Less	15.4	11.9	1.2	1.3	1.1	11.1
64 to 66 Degrees	17.4	13.1	1.4	1.7	1.2	8.2
67 to 69 Degrees	21.0	15.8	1.7	2.1	1.4	8.7
70 Degrees	17.4	12.1	1.9	2.2	1.2	8.5
71 to 73 Degrees	9.5	6.9	0.9	1.2	0.5	12.6
74 Degrees or More	11.1	6.9	0.9	2.5	0.8	12.1
Heat Turned Off	7.1	3.8	0.6	2.4	0.3	14.8
Unknown/No Answer	7.1	2.9	1.0	2.9	0.3	13.4
Air-Conditioning						
Central Air-Conditioning						
Use a Central System	58.6	44.4	3.2	7.4	3.7	6.6
All Summer	28.4	21.8	1.7	3.2	1.7	9.6
Quite a Bit	12.1	9.0	0.6	1.7	0.8	12.0
Only a Few Times	16.8	12.8	0.9	2.1	0.9	11.3
Not at All	1.4	0.8	Q	0.3	Q	33.3
No Central System	48.4	29.3	6.3	9.6	3.1	5.9
Window/Wall Air-Conditioning						
Use Window/Wall Units	25.1	14.8	3.3	5.2	1.8	7.4
All Summer	4.9	2.9	0.6	0.8	0.6	15.0
Quite a Bit	5.2	3.3	0.6	0.9	0.3	16.3
Only a Few Times	14.1	8.2	1.9	3.1	0.8	9.2
Not at All	0.9	0.4	Q	0.4	Q	32.4
No Window/Wall Units	81.9	58.9	6.2	11.8	5.0	4.4

See footnotes at end of table.

**Table HC6-4a. Usage Indicators by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Type of Housing Unit			Mobile Homes	RSE Row Factors
		Single-Family	Apartments in Buildings With			
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Hot Water						
Dishwasher Use Each Week						
Use a Dishwasher	56.7	44.5	2.6	7.1	2.5	6.6
Less Than Once a Week	9.4	6.4	0.6	2.0	0.5	12.0
Once Each Week	7.5	5.6	0.3	1.2	0.4	15.7
2 to 3 Times	17.8	14.2	0.8	2.2	0.6	11.2
4 to 6 Times	11.7	10.2	0.4	0.6	0.4	14.3
At Least Once Each Day	10.4	8.1	0.5	1.1	0.7	14.1
No Dishwasher	50.3	29.2	6.9	9.9	4.3	5.4
Loads of Laundry Washed Each Week						
Use a Clothes Washer	84.1	70.0	4.5	3.9	5.8	5.3
1 Load or Less	6.8	5.3	0.4	0.5	0.7	14.7
2 to 9 Loads	65.1	54.0	3.6	3.2	4.3	5.9
10 to 15 Loads	9.6	8.2	0.5	0.3	0.6	13.1
More than 15 Loads	2.7	2.4	Q	Q	Q	23.1
No Washing Machine	22.9	3.7	5.0	13.1	1.1	8.6
Water Temperature Setting for Clothes Washer						
Wash Cycle						
Hot	6.2	5.0	0.3	0.5	0.5	16.2
Warm	49.7	41.8	2.9	2.2	2.7	6.5
Cold	28.2	23.1	1.3	1.2	2.6	8.7
Rinse Cycle						
Hot	1.4	1.1	Q	Q	Q	37.8
Warm	16.6	13.8	1.2	1.0	0.7	11.8
Cold	66.1	55.1	3.3	2.9	4.9	6.2
No Washing Machine	22.9	3.7	5.0	13.1	1.1	8.6
Clothes Dryer						
Use a Clothes Dryer	78.8	66.4	4.1	3.1	5.2	5.6
Every Time Clothes are Washed	63.5	52.9	3.5	2.8	4.3	6.1
Some, but not All, Loads	12.7	11.2	0.5	0.3	0.7	13.4
Used Infrequently	2.7	2.3	Q	Q	0.2	21.4
No Clothes Dryer	28.2	7.3	5.4	13.9	1.6	7.2
Cooking						
Number of Hot Meals Cooked in the Home						
3 or More Times a Day	7.5	5.1	0.6	1.2	0.7	13.2
2 Times a Day	26.8	18.9	2.5	3.3	2.1	7.2
Once a Day	43.3	30.7	3.6	6.5	2.5	6.0
A Few Times Each Week	21.7	14.4	2.0	4.2	1.1	8.2
About Once a Week	4.0	2.6	0.3	0.9	0.3	16.2
Less Than Once a Week	2.4	1.4	0.4	0.5	Q	20.2
No Hot Meals Cooked	1.2	0.7	Q	0.4	Q	41.3
Conventional Oven						
Use a Conventional Oven	99.4	67.5	9.1	16.3	6.4	4.5
More Than Once a Day	8.6	5.9	1.0	1.4	0.4	12.6
Once a Day	17.4	11.9	1.8	2.5	1.2	9.0
Between Once a Day and						
Once a Week	33.1	24.5	2.4	4.4	1.8	7.1
Once a Week	15.6	10.5	1.6	2.4	1.1	9.0
Less Than Once a Week	24.6	14.7	2.3	5.6	1.9	7.8
Do Not Use	7.6	6.2	0.4	0.7	0.4	16.9

See footnotes at end of table.

**Table HC6-4a. Usage Indicators by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Microwave Oven						
Use a Microwave Oven	92.1	65.9	7.6	12.5	6.2	4.2
Most or All	8.2	5.2	0.8	1.7	0.5	11.8
About Half	19.3	13.9	1.7	2.6	1.1	9.5
Some or Very Little	22.4	16.3	1.8	2.8	1.5	8.3
For Defrosting, Reheating, or Snacks	42.2	30.4	3.4	5.4	3.1	6.8
No Microwave Oven	14.8	7.8	1.9	4.5	0.7	10.6
Electric Coffee Maker						
Use an Electric Coffee Maker	65.5	49.8	4.3	7.3	4.1	5.2
Three or More Times a Day	2.4	1.8	Q	0.3	Q	22.9
Two Times a Day	5.9	4.8	0.4	0.3	0.4	16.5
Once a Day	33.6	25.9	2.0	3.4	2.3	6.9
A Few Times Each Week	9.4	7.2	0.6	1.2	0.5	11.9
About Once a Week	5.2	3.7	0.6	0.7	0.3	15.3
Less than Once a Week	9.0	6.6	0.6	1.3	0.5	12.2
No Electric Coffee Maker	41.5	23.9	5.1	9.7	2.7	5.7
Time Electric Coffee Maker is Left On						
Turned Off Right Away	18.8	13.7	1.5	2.5	1.1	9.4
Less than 15 Minutes	10.0	6.8	0.8	1.7	0.8	11.1
15 Minutes to 1 Hour	24.6	19.6	1.4	2.2	1.4	8.7
More than 1 Hour	12.1	9.7	0.6	1.0	0.9	11.3
Electric Toaster						
Use a Electric Toaster	36.1	25.9	2.7	5.5	1.9	7.3
Three or More Times a Day	1.0	0.7	Q	Q	Q	40.2
Two Times a Day	2.7	2.1	Q	0.4	Q	21.6
Once a Day	8.2	6.2	0.6	1.0	0.3	14.4
A Few Times Each Week	11.9	8.8	0.9	1.6	0.6	11.3
About Once a Week	4.3	2.8	0.3	0.9	0.2	15.1
Less than Once a Week	7.9	5.3	0.5	1.4	0.7	11.7
No Electric Toaster	70.9	47.8	6.8	11.5	4.9	4.5
Lights						
Indoor Lights Turned On:						
1 to 4 Hours per Day						
None	10.2	6.3	1.3	1.7	1.0	12.4
1	30.1	17.7	3.7	6.5	2.3	6.3
2	30.7	20.9	2.4	5.5	2.0	7.3
3	16.6	12.6	1.1	2.1	0.8	9.9
4	10.5	8.7	0.8	0.8	0.3	14.2
5 or More	8.8	7.7	0.4	0.5	0.4	15.7
Between 4 and 12 Hours per Day						
None	30.2	19.3	3.1	5.4	2.4	7.6
1	25.2	15.0	3.0	5.5	1.6	7.5
2	25.5	18.2	1.8	4.1	1.3	8.0
3	12.7	9.7	0.9	1.2	0.9	12.0
4	7.2	6.1	0.4	0.4	0.3	14.5
5 or More	6.2	5.3	0.3	0.3	0.3	19.8
More than 12 Hours per Day						
None	81.1	55.7	6.7	13.7	5.0	4.5
1	14.4	9.7	1.5	2.3	0.9	9.8
2	6.8	4.9	0.5	0.8	0.5	15.6
3	2.4	1.6	0.4	Q	0.3	28.3
4	1.3	1.0	Q	Q	Q	33.7
5 or More	1.1	0.8	Q	Q	Q	30.4

See footnotes at end of table.

**Table HC6-4a. Usage Indicators by Type of Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Type of Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.4	0.5	1.6	1.4	2.0	
Outdoor Lights on All Night						
Used	24.5	20.2	1.4	1.2	1.6	9.6
Not Used	82.5	53.5	8.1	15.8	5.2	4.3
Gas Fireplace						
Use a Gas Fireplace During Winter						
Months	3.7	3.1	Q	Q	Q	19.6
Most Days	1.3	1.2	Q	Q	Q	39.0
Almost Once a Week	1.1	0.9	Q	Q	Q	35.3
Less Than 4 Times a Month	1.2	1.1	Q	Q	Q	33.0
Use a Personal Computer	60.0	46.4	4.1	6.8	2.7	5.9
Hours PC Turned On Each Week						
Less Than 2 Hours	10.3	7.4	1.0	1.2	0.7	12.3
2 to 15 Hours	26.3	20.8	1.5	2.9	1.1	8.1
16 to 40 Hours	12.2	9.6	0.8	1.3	0.5	11.6
More than 40 Hours	5.7	4.6	0.3	0.6	Q	17.5
On All The Time	5.6	4.0	0.5	0.7	0.4	16.0
Use of PCs Turned on 16 Hours a Week or More						
Personal Use Only	14.0	10.6	1.0	1.7	0.7	10.8
Business Use Only	2.1	1.8	Q	0.2	Q	24.6
Both Personal and Business	7.3	5.9	0.5	0.7	0.2	15.4
Business Use of PCs Turned on 16 Hours a Week or More						
Use to Telecommute	3.6	3.1	0.3	0.2	Q	23.8
Other Business Use	5.8	4.6	0.3	0.8	0.2	17.1
Battery Operated Appliances/Tools						
Use Battery Operated Appliances/ Tools	47.7	38.8	2.6	3.7	2.6	6.6
How Maintained When Not in Use						
Plugged in All The Time	10.8	8.9	0.5	0.9	0.5	14.0
Recharged As Needed	33.8	27.3	2.0	2.5	2.0	7.1
Both Ways are Used	3.1	2.7	Q	Q	Q	20.1
Don't Use Any	59.3	34.9	6.9	13.3	4.2	5.1

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-5a. Usage Indicators by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001**

Usage Indicators	Total Owner- Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.1	2.9	1.4	
Total	72.7	63.2	2.1	1.8	5.7	6.7
Weekday Home Activities						
Home Used for Business						
Yes	6.2	5.6	Q	Q	0.4	18.8
No	66.5	57.6	2.0	1.7	5.3	7.2
Energy-Intensive Activity						
Yes	1.4	1.3	Q	Q	Q	45.7
No	71.3	61.9	2.0	1.7	5.6	6.8
Someone Home All Day						
Yes	37.9	33.2	1.1	0.9	2.7	8.3
No	34.8	30.0	1.0	0.8	3.0	9.0
Heating						
Heat Home	72.4	63.0	2.0	1.7	5.7	6.7
Do Not Heat Home	0.4	0.2	Q	Q	Q	49.3
No Heating Equipment	0.3	0.2	Q	Q	Q	41.6
Have Equipment But Do Not Use It	Q	Q	Q	Q	Q	NF
Adequacy of Insulation						
Well Insulated	32.4	28.4	0.8	1.0	2.2	10.3
Adequately Insulated	30.3	26.5	0.9	0.6	2.3	9.5
Poorly Insulated	9.4	7.8	0.3	0.2	1.2	13.7
No Insulation	0.4	0.4	Q	Q	Q	69.6
Don't Know	0.2	Q	Q	Q	Q	95.4
Occurrences of Drafts During Winter						
Never	2.3	1.9	Q	Q	0.2	27.4
Some of the Time	2.9	2.3	Q	Q	0.3	24.9
Most of the Time	23.4	20.2	0.7	0.4	2.1	11.4
All of the Time	42.9	37.7	1.0	1.2	3.0	8.3
Don't Know	1.3	1.0	Q	Q	Q	46.9
Thermostat						
Heat Home	72.4	63.0	2.0	1.7	5.7	6.7
Thermostat Available During Heating Season	66.3	58.1	1.8	1.3	5.1	7.5
Programmable ¹						
Yes	20.6	19.0	0.5	Q	0.9	15.7
No	45.7	39.1	1.3	1.1	4.2	9.2
No Thermostat	6.1	4.9	0.3	0.4	0.5	13.3
Do Not Heat Home	0.4	0.2	Q	Q	Q	49.3
Lower Winter Temperature Settings¹						
Daytime When No One is at Home						
Yes	34.2	30.3	0.7	0.6	2.6	9.5
No	34.6	29.9	1.2	0.9	2.7	9.5
Unknown	3.5	2.8	Q	Q	0.4	29.1
During Sleeping Hours						
Yes	34.1	30.5	0.5	0.6	2.5	9.8
No	35.6	30.3	1.4	0.9	2.9	9.5
Unknown	2.7	2.2	Q	Q	0.3	31.1

See footnotes at end of table.

Table HC6-5a. Usage Indicators by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Usage Indicators	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.1	2.9	1.4	
Daytime Winter Temperature When Someone is at Home¹						
Heat Turned On	69.6	60.8	1.9	1.5	5.4	6.7
63 Degrees or Less	2.4	2.0	Q	Q	0.2	29.6
64 to 66 Degrees	5.6	4.9	0.2	Q	0.4	18.2
67 to 69 Degrees	19.1	16.8	0.6	0.3	1.4	12.1
70 Degrees	18.4	15.9	0.6	0.5	1.4	11.7
71 to 73 Degrees	12.3	10.9	0.3	Q	0.9	14.8
74 Degrees or More	11.8	10.4	Q	0.3	1.0	14.0
Heat Turned Off	0.8	0.6	Q	Q	Q	55.1
Unknown/No Answer	2.0	1.6	Q	Q	0.2	35.9
Daytime Winter Temperature When No One is at Home¹						
Heat Turned On	64.5	56.5	1.8	1.3	4.8	7.4
63 Degrees or Less	13.2	11.4	0.5	Q	1.1	13.4
64 to 66 Degrees	12.8	11.6	0.2	Q	0.8	15.3
67 to 69 Degrees	15.1	13.3	0.5	Q	1.1	14.5
70 Degrees	10.5	9.1	0.4	0.3	0.8	14.0
71 to 73 Degrees	6.6	5.8	Q	Q	0.5	19.0
74 Degrees or More	6.3	5.5	Q	Q	0.5	20.8
Heat Turned Off	5.3	4.4	Q	0.2	0.5	22.4
Unknown/No Answer	2.6	2.0	Q	Q	0.3	33.0
Winter Temperature During Sleeping Hours¹						
Heat Turned On	67.0	58.5	2.0	1.3	5.3	6.8
63 Degrees or Less	11.9	10.5	0.3	Q	1.0	15.3
64 to 66 Degrees	12.8	11.3	0.2	Q	1.0	13.1
67 to 69 Degrees	16.6	14.4	0.6	0.4	1.2	13.0
70 Degrees	12.1	10.3	0.5	0.3	0.9	13.2
71 to 73 Degrees	7.0	6.2	Q	Q	0.4	21.2
74 Degrees or More	6.8	5.8	Q	Q	0.7	19.3
Heat Turned Off	3.5	3.0	Q	0.2	0.2	23.6
Unknown/No Answer	1.9	1.5	Q	Q	Q	42.4
Air-Conditioning						
Central Air-Conditioning						
Use a Central System	45.5	40.6	0.8	1.0	3.2	10.5
All Summer	22.3	20.0	0.3	Q	1.5	14.6
Quite a Bit	9.3	8.2	Q	Q	0.7	17.2
Only a Few Times	13.0	11.7	Q	0.3	0.8	15.3
Not at All	0.9	0.7	Q	Q	Q	62.1
No Central System	27.2	22.6	1.3	0.8	2.5	9.5
Window/Wall Air-Conditioning						
Use Window/Wall Units	14.6	11.9	0.8	0.5	1.4	11.1
All Summer	2.7	2.1	Q	Q	0.3	26.1
Quite a Bit	3.2	2.7	Q	Q	0.3	26.2
Only a Few Times	8.3	6.8	0.5	0.4	0.7	13.4
Not at All	0.4	0.3	Q	Q	Q	70.6
No Window/Wall Units	58.1	51.3	1.3	1.3	4.3	8.0

See footnotes at end of table.

Table HC6-5a. Usage Indicators by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Usage Indicators	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.1	2.9	1.4	
Hot Water						
Dishwasher Use Each Week						
Use a Dishwasher	45.7	41.2	0.9	1.3	2.3	9.5
Less Than Once a Week	6.9	5.9	0.2	0.4	0.4	17.0
Once Each Week	5.5	4.9	Q	Q	0.3	24.5
2 to 3 Times	14.8	13.3	0.3	0.6	0.5	15.4
4 to 6 Times	10.1	9.5	Q	Q	0.4	17.8
At Least Once Each Day	8.4	7.6	Q	Q	0.6	18.2
No Dishwasher	27.0	22.0	1.1	0.5	3.4	9.4
Loads of Laundry Washed Each Week						
Use a Clothes Washer	68.8	61.4	1.7	0.7	5.0	7.6
1 Load or Less	5.5	4.6	Q	Q	0.6	18.4
2 to 9 Loads	53.0	47.4	1.3	0.6	3.8	8.4
10 to 15 Loads	8.1	7.4	Q	Q	0.5	15.3
More than 15 Loads	2.2	2.0	Q	Q	Q	32.2
No Washing Machine	3.9	1.8	0.4	1.0	0.7	17.7
Water Temperature Setting for Clothes Washer						
Wash Cycle						
Hot	5.0	4.3	Q	Q	0.4	19.3
Warm	41.2	37.2	1.3	Q	2.4	8.0
Cold	22.7	19.8	0.3	0.4	2.2	12.2
Rinse Cycle						
Hot	1.1	0.9	Q	Q	Q	55.5
Warm	13.3	12.1	0.5	Q	0.6	17.5
Cold	54.4	48.4	1.1	0.6	4.3	8.5
No Washing Machine	3.9	1.8	0.4	1.0	0.7	17.7
Clothes Dryer						
Use a Clothes Dryer	65.5	58.7	1.6	0.6	4.6	7.7
Every Time Clothes are Washed	52.6	46.8	1.3	0.6	3.8	8.5
Some, but not All, Loads	10.9	10.0	0.2	Q	0.6	15.2
Used Infrequently	2.0	1.9	Q	Q	Q	37.4
No Clothes Dryer	7.3	4.5	0.5	1.1	1.1	14.0
Cooking						
Number of Hot Meals Cooked in the Home						
3 or More Times a Day	4.6	3.9	Q	Q	0.6	22.6
2 Times a Day	18.5	15.8	0.6	0.3	1.7	11.9
Once a Day	31.4	27.4	1.0	0.9	2.1	8.4
A Few Times Each Week	13.6	12.2	0.2	Q	0.8	13.0
About Once a Week	2.6	2.2	Q	Q	0.2	25.8
Less Than Once a Week	1.5	1.2	Q	Q	Q	36.0
No Hot Meals Cooked	0.6	0.6	Q	Q	Q	76.3
Conventional Oven						
Use a Conventional Oven	66.7	57.6	2.0	1.7	5.4	7.3
More Than Once a Day	5.4	4.9	Q	Q	0.3	22.9
Once a Day	11.6	9.9	0.3	0.2	1.1	14.2
Between Once a Day and						
Once a Week	23.7	21.3	0.3	0.5	1.5	12.1
Once a Week	10.8	9.2	0.4	Q	1.0	14.0
Less Than Once a Week	15.2	12.2	0.8	0.7	1.6	12.2
Do Not Use	6.1	5.6	Q	Q	0.3	23.9

See footnotes at end of table.

**Table HC6-5a. Usage Indicators by Type of Owner-Occupied Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.1	2.9	1.4	
Microwave Oven						
Use a Microwave Oven	65.6	57.2	1.7	1.4	5.3	7.4
Most or All	5.0	4.2	Q	Q	0.5	19.6
About Half	13.5	12.0	0.3	0.4	0.9	13.8
Some or Very Little	16.1	14.1	0.4	0.4	1.2	12.2
For Defrosting, Reheating, or Snacks	31.0	27.0	0.9	0.5	2.7	10.6
No Microwave Oven	7.1	6.0	0.4	0.3	0.4	17.0
Electric Coffee Maker						
Use an Electric Coffee Maker	50.0	44.0	1.2	1.1	3.7	8.3
Three or More Times a Day	1.8	1.5	Q	Q	Q	34.0
Two Times a Day	4.5	4.0	Q	Q	0.4	22.2
Once a Day	26.5	23.4	0.6	0.4	2.1	10.6
A Few Times Each Week	6.8	6.0	Q	0.2	0.5	16.5
About Once a Week	3.8	3.3	Q	Q	Q	27.4
Less than Once a Week	6.7	5.9	Q	Q	0.4	17.6
No Electric Coffee Maker	22.7	19.2	0.9	0.7	2.0	10.3
Time Electric Coffee Maker is Left On						
Turned Off Right Away	13.9	12.1	0.6	0.3	0.9	13.4
Less than 15 Minutes	7.1	5.8	Q	0.3	0.8	16.5
15 Minutes to 1 Hour	19.5	17.7	0.2	0.5	1.2	13.5
More than 1 Hour	9.5	8.4	0.2	Q	0.8	18.0
Electric Toaster						
Use a Electric Toaster	26.2	22.6	1.0	0.9	1.7	10.8
Three or More Times a Day	0.8	0.6	Q	Q	Q	59.8
Two Times a Day	2.0	1.7	Q	Q	Q	38.9
Once a Day	6.1	5.5	0.3	Q	0.2	20.2
A Few Times Each Week	9.1	7.8	0.3	0.4	0.5	16.3
About Once a Week	3.0	2.6	Q	Q	0.2	24.5
Less than Once a Week	5.3	4.3	Q	Q	0.6	17.5
No Electric Toaster	46.6	40.6	1.1	0.9	4.0	8.0
Lights						
Indoor Lights Turned On:						
1 to 4 Hours per Day						
None	6.5	5.1	0.4	Q	0.8	20.4
1	17.9	14.8	0.7	0.5	1.9	10.7
2	20.4	17.7	0.5	0.5	1.6	11.5
3	12.4	11.0	0.3	0.4	0.8	14.1
4	8.2	7.7	Q	Q	0.2	21.0
5 or More	7.4	6.9	Q	Q	0.3	22.5
Between 4 and 12 Hours per Day						
None	19.5	16.3	0.6	0.5	2.1	13.0
1	15.2	12.6	0.8	0.5	1.3	12.4
2	17.0	15.1	0.3	0.5	1.0	13.7
3	9.9	8.8	Q	Q	0.8	16.9
4	5.9	5.5	Q	Q	0.3	21.0
5 or More	5.2	4.8	Q	Q	0.3	27.3
More than 12 Hours per Day						
None	55.3	48.3	1.3	1.4	4.2	8.2
1	9.2	7.8	0.5	Q	0.8	15.4
2	4.5	3.9	Q	Q	0.3	26.3
3	1.9	1.6	Q	Q	Q	42.6
4	0.9	0.9	Q	Q	Q	54.9
5 or More	0.9	0.7	Q	Q	Q	42.0

See footnotes at end of table.

Table HC6-5a. Usage Indicators by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001 (Continued)

Usage Indicators	Total Owner-Occupied Units	Type of Owner-Occupied Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.3	0.4	2.1	2.9	1.4	
Outdoor Lights on All Night						
Used	19.8	17.8	0.5	Q	1.4	13.3
Not Used	53.0	45.4	1.6	1.7	4.2	7.8
Gas Fireplace						
Use a Gas Fireplace During Winter Months						
.....	3.1	3.0	Q	Q	Q	28.5
Most Days	1.2	1.1	Q	Q	Q	54.1
Almost Once a Week	0.9	0.9	Q	Q	Q	47.1
Less Than 4 Times a Month	1.0	1.0	Q	Q	Q	47.2
Use a Personal Computer	45.7	41.1	1.3	0.9	2.4	8.6
Hours PC Turned On Each Week						
Less Than 2 Hours	7.7	6.6	0.4	Q	0.5	18.7
2 to 15 Hours	20.4	18.4	0.4	0.4	1.0	11.8
16 to 40 Hours	9.4	8.6	0.2	Q	0.4	16.4
More than 40 Hours	4.3	4.0	Q	Q	Q	23.4
On All The Time	4.0	3.5	Q	Q	0.3	24.7
Use of PCs Turned on 16 Hours a Week or More						
Personal Use Only	10.2	9.1	0.3	Q	0.6	15.8
Business Use Only	1.8	1.6	Q	Q	Q	32.9
Both Personal and Business	5.7	5.3	Q	Q	Q	22.1
Business Use of PCs Turned on 16 Hours a Week or More						
Use to Telecommute	2.9	2.7	Q	Q	Q	35.1
Other Business Use	4.6	4.2	Q	Q	0.2	24.7
Battery Operated Appliances/Tools						
Use Battery Operated Appliances/Tools	38.9	34.8	0.8	0.8	2.4	9.2
How Maintained When Not in Use						
Plugged in All The Time	9.1	8.2	Q	Q	0.5	18.1
Recharged As Needed	27.2	24.3	0.5	0.5	1.9	10.5
Both Ways are Used	2.6	2.4	Q	Q	Q	28.9
Don't Use Any	33.8	28.3	1.2	1.0	3.2	8.5

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-6a. Usage Indicators by Type of Rented Housing Unit,
Million U.S. Households, 2001**

Usage Indicators	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.8	1.1	0.9	2.5	
Total	34.3	10.5	7.4	15.2	1.1	6.9
Weekday Home Activities						
Home Used for Business						
Yes	1.4	0.6	0.3	0.4	Q	30.5
No	32.9	9.9	7.1	14.8	1.1	7.1
Energy-Intensive Activity						
Yes	0.3	Q	Q	Q	Q	48.1
No	34.0	10.4	7.4	15.1	1.1	6.9
Someone Home All Day						
Yes	15.1	5.1	3.1	6.3	0.5	9.9
No	19.1	5.4	4.3	8.9	0.6	8.8
Heating						
Heat Home	33.7	10.4	7.4	14.8	1.1	6.9
Do Not Heat Home	0.6	Q	Q	0.5	Q	22.6
No Heating Equipment	0.2	Q	Q	Q	Q	88.3
Have Equipment But Do Not Use It	0.4	Q	Q	0.3	Q	38.5
Adequacy of Insulation						
Well Insulated	10.3	2.0	2.2	5.8	0.2	12.5
Adequately Insulated	12.8	3.6	2.4	6.5	0.4	10.4
Poorly Insulated	10.0	4.4	2.6	2.5	0.5	11.6
No Insulation	0.5	0.2	Q	Q	Q	39.8
Don't Know	0.7	0.2	Q	0.4	Q	38.7
Occurrences of Drafts During Winter						
Never	3.7	1.7	0.9	0.9	Q	19.0
Some of the Time	3.5	1.5	1.0	0.9	Q	16.5
Most of the	11.2	3.3	2.5	5.0	0.4	10.9
All of the Time	12.4	2.8	2.4	6.8	0.4	11.5
Don't Know	3.5	1.1	0.6	1.7	Q	19.2
Thermostat						
Heat Home	33.7	10.4	7.4	14.8	1.1	6.9
Thermostat Available During Heating Season	25.2	8.3	5.7	10.3	0.9	8.7
Programmable ¹						
Yes	4.5	1.9	0.8	1.8	Q	19.4
No	20.7	6.4	4.9	8.5	0.9	9.4
No Thermostat	8.4	2.1	1.6	4.5	Q	12.6
Do Not Heat Home	0.6	Q	Q	0.5	Q	22.6
Lower Winter Temperature Settings¹						
Daytime When No One is at Home						
Yes	13.0	4.6	3.0	5.0	0.4	10.9
No	13.8	3.9	3.2	6.1	0.5	9.3
Unknown	6.8	1.9	1.1	3.6	Q	13.0
During Sleeping Hours						
Yes	11.6	4.0	2.4	4.8	0.3	11.4
No	15.6	4.7	3.9	6.4	0.6	9.0
Unknown	6.5	1.7	1.1	3.5	Q	13.8

See footnotes at end of table.

**Table HC6-6a. Usage Indicators by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.8	1.1	0.9	2.5	
Daytime Winter Temperature When Someone is at Home¹						
Heat Turned On	27.2	8.7	6.3	11.3	1.0	7.7
63 Degrees or Less	1.5	0.5	0.5	0.5	Q	22.3
64 to 66 Degrees	2.8	0.8	0.7	1.2	Q	18.3
67 to 69 Degrees	4.6	1.8	1.0	1.7	Q	15.3
70 Degrees	7.3	2.4	1.8	2.9	0.2	11.5
71 to 73 Degrees	4.1	1.3	0.7	1.9	Q	16.7
74 Degrees or More	6.8	1.9	1.6	3.1	Q	14.0
Heat Turned Off	1.2	0.3	Q	0.7	Q	31.9
Unknown/No Answer	5.2	1.4	0.9	2.8	Q	15.9
Daytime Winter Temperature When No One is at Home¹						
Heat Turned On	23.0	7.6	5.5	9.0	0.9	8.0
63 Degrees or Less	4.5	1.7	1.1	1.4	0.2	15.8
64 to 66 Degrees	4.4	1.5	1.2	1.5	Q	15.3
67 to 69 Degrees	4.0	1.5	0.9	1.5	Q	17.5
70 Degrees	4.6	1.3	1.1	1.9	0.2	14.6
71 to 73 Degrees	2.1	0.7	0.3	1.1	Q	20.2
74 Degrees or More	3.5	0.9	0.8	1.7	Q	19.9
Heat Turned Off	5.2	1.3	0.9	2.9	Q	15.7
Unknown/No Answer	5.4	1.5	1.0	2.9	Q	15.1
Winter Temperature During Sleeping Hours¹						
Heat Turned On	24.8	8.1	5.9	9.8	0.9	7.9
63 Degrees or Less	3.5	1.4	0.8	1.2	Q	18.4
64 to 66 Degrees	4.6	1.7	1.1	1.6	Q	14.1
67 to 69 Degrees	4.4	1.4	1.1	1.7	Q	16.6
70 Degrees	5.3	1.8	1.3	1.9	0.3	14.3
71 to 73 Degrees	2.6	0.8	0.6	1.1	Q	21.7
74 Degrees or More	4.3	1.1	0.8	2.3	Q	18.8
Heat Turned Off	3.6	0.9	0.6	2.1	Q	19.1
Unknown/No Answer	5.3	1.4	0.9	2.8	Q	15.7
Air-Conditioning						
Central Air-Conditioning						
Use a Central System	13.1	3.9	2.4	6.3	0.4	13.2
All Summer	6.1	1.8	1.3	2.7	Q	16.9
Quite a Bit	2.8	0.9	0.3	1.5	Q	22.6
Only a Few Times	3.8	1.1	0.8	1.8	Q	22.1
Not at All	0.5	Q	Q	0.3	Q	51.7
No Central System	21.2	6.6	5.0	8.9	0.7	8.2
Window/Wall Air-Conditioning						
Use Window/Wall Units	10.5	3.0	2.5	4.7	0.4	11.1
All Summer	2.2	0.8	0.5	0.7	Q	22.4
Quite a Bit	2.0	0.7	0.4	0.9	Q	23.7
Only a Few Times	5.8	1.4	1.5	2.8	Q	15.6
Not at All	0.5	Q	Q	0.3	Q	39.9
No Window/Wall Units	23.8	7.5	4.9	10.6	0.8	8.5

See footnotes at end of table.

**Table HC6-6a. Usage Indicators by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.8	1.1	0.9	2.5	
Hot Water						
Dishwasher Use Each Week						
Use a Dishwasher	10.9	3.3	1.7	5.8	Q	12.7
Less Than Once a Week	2.4	0.4	0.3	1.6	Q	23.9
Once Each Week	2.0	0.6	Q	1.1	Q	27.0
2 to 3 Times	3.0	0.9	0.5	1.6	Q	21.0
4 to 6 Times	1.6	0.8	0.3	0.5	Q	28.7
At Least Once Each Day	2.0	0.5	0.4	1.0	Q	29.6
No Dishwasher	23.3	7.2	5.8	9.4	0.9	7.8
Loads of Laundry Washed Each Week						
Use a Clothes Washer	15.3	8.6	2.8	3.2	0.7	10.5
1 Load or Less	1.3	0.7	0.2	0.3	Q	25.0
2 to 9 Loads	12.1	6.6	2.3	2.6	0.6	11.2
10 to 15 Loads	1.5	0.9	0.3	0.2	Q	27.9
More than 15 Loads	0.5	0.4	Q	Q	Q	47.4
No Washing Machine	19.0	1.9	4.6	12.1	0.4	10.1
Water Temperature Setting for Clothes Washer						
Wash Cycle						
Hot	1.3	0.7	0.2	0.4	Q	30.0
Warm	8.6	4.6	1.7	2.0	0.3	13.8
Cold	5.5	3.3	1.0	0.8	0.4	14.8
Rinse Cycle						
Hot	0.3	Q	Q	Q	Q	60.0
Warm	3.3	1.7	0.6	0.8	Q	18.7
Cold	11.7	6.7	2.1	2.3	0.6	11.9
No Washing Machine	19.0	1.9	4.6	12.1	0.4	10.1
Clothes Dryer						
Use a Clothes Dryer	13.4	7.7	2.6	2.5	0.6	11.3
Every Time Clothes are Washed	10.9	6.1	2.2	2.1	0.5	11.6
Some, but not All, Loads	1.8	1.2	0.3	0.3	Q	30.5
Used Infrequently	0.6	0.4	Q	Q	Q	38.9
No Clothes Dryer	20.9	2.8	4.9	12.7	0.5	9.5
Cooking						
Number of Hot Meals Cooked in the Home						
3 or More Times a Day	2.9	1.2	0.5	1.1	Q	20.7
2 Times a Day	8.3	3.1	1.9	3.0	0.4	13.0
Once a Day	12.0	3.4	2.6	5.6	0.3	11.6
A Few Times Each Week	8.1	2.2	1.8	3.8	0.2	12.0
About Once a Week	1.5	0.4	0.3	0.8	Q	29.5
Less Than Once a Week	1.0	Q	0.3	0.5	Q	29.3
No Hot Meals Cooked	0.6	Q	Q	0.4	Q	51.3
Conventional Oven						
Use a Conventional Oven	32.7	9.9	7.1	14.6	1.1	7.1
More Than Once a Day	3.1	0.9	0.8	1.3	Q	17.4
Once a Day	5.9	2.0	1.5	2.3	Q	13.6
Between Once a Day and						
Once a Week	9.4	3.2	2.0	3.9	0.4	13.0
Once a Week	4.9	1.3	1.3	2.2	Q	15.7
Less Than Once a Week	9.4	2.5	1.6	4.9	0.4	12.1
Do Not Use	1.6	0.6	0.3	0.7	Q	29.3

See footnotes at end of table.

**Table HC6-6a. Usage Indicators by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.8	1.1	0.9	2.5	
Microwave Oven						
Use a Microwave Oven	26.5	8.7	5.9	11.0	0.9	7.8
Most or All	3.1	1.0	0.6	1.5	Q	18.3
About Half	5.8	1.9	1.4	2.3	0.2	15.6
Some or Very Little	6.4	2.3	1.4	2.4	0.3	14.6
For Defrosting, Reheating, or Snacks	11.2	3.4	2.5	4.9	0.4	10.9
No Microwave Oven	7.8	1.8	1.5	4.2	0.3	14.0
Electric Coffee Maker						
Use an Electric Coffee Maker	15.5	5.8	3.2	6.2	0.4	9.4
Three or More Times a Day	0.6	0.3	Q	0.2	Q	41.8
Two Times a Day	1.5	0.8	0.4	0.3	Q	26.2
Once a Day	7.1	2.5	1.4	3.0	0.2	12.8
A Few Times Each Week	2.7	1.2	0.5	1.0	Q	20.8
About Once a Week	1.4	0.4	0.4	0.6	Q	26.6
Less than Once a Week	2.3	0.7	0.5	1.1	Q	23.7
No Electric Coffee Maker	18.8	4.7	4.2	9.1	0.7	8.4
Time Electric Coffee Maker is Left On						
Turned Off Right Away	4.9	1.6	0.9	2.2	Q	15.4
Less than 15 Minutes	3.0	1.0	0.6	1.4	Q	18.3
15 Minutes to 1 Hour	5.0	2.0	1.2	1.7	Q	15.2
More than 1 Hour	2.6	1.2	0.4	0.9	Q	20.7
Electric Toaster						
Use a Electric Toaster	9.9	3.3	1.7	4.7	0.2	13.2
Three or More Times a Day	0.3	Q	Q	Q	Q	60.5
Two Times a Day	0.7	0.3	Q	0.3	Q	34.6
Once a Day	2.1	0.7	0.4	0.9	Q	24.8
A Few Times Each Week	2.9	1.0	0.6	1.2	Q	19.9
About Once a Week	1.3	0.2	0.2	0.8	Q	26.7
Less than Once a Week	2.6	1.1	0.3	1.2	Q	20.7
No Electric Toaster	24.4	7.2	5.7	10.6	0.9	7.9
Lights						
Indoor Lights Turned On:						
1 to 4 Hours per Day						
None	3.7	1.2	0.9	1.5	Q	19.6
1	12.3	2.9	3.0	6.0	0.4	9.7
2	10.3	3.2	1.8	5.0	0.4	12.6
3	4.2	1.6	0.8	1.7	Q	15.6
4	2.3	0.9	0.6	0.7	Q	21.9
5 or More	1.4	0.7	0.3	0.3	Q	27.4
Between 4 and 12 Hours per Day						
None	10.7	3.0	2.5	4.9	0.4	10.6
1	9.9	2.4	2.3	5.0	Q	10.6
2	8.5	3.1	1.5	3.6	0.3	12.6
3	2.8	0.9	0.7	1.1	Q	20.8
4	1.2	0.6	0.3	0.3	Q	24.9
5 or More	1.1	0.5	0.2	0.3	Q	33.7
More than 12 Hours per Day						
None	25.8	7.4	5.4	12.3	0.7	7.4
1	5.2	1.9	1.1	2.2	Q	16.0
2	2.3	1.0	0.5	0.6	Q	24.6
3	0.5	Q	0.3	Q	Q	61.0
4	0.3	Q	Q	Q	Q	50.5
5 or More	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

**Table HC6-6a. Usage Indicators by Type of Rented Housing Unit,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total Rented Units	Type of Rented Housing Unit				RSE Row Factors
		Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.8	1.1	0.9	2.5	
Outdoor Lights on All Night						
Used	4.7	2.4	0.9	1.2	0.2	15.2
Not Used	29.6	8.1	6.5	14.1	0.9	7.4
Gas Fireplace						
Use a Gas Fireplace During Winter Months						
Months	0.5	Q	Q	Q	Q	56.8
Most Days	Q	Q	Q	Q	Q	NF
Almost Once a Week	Q	Q	Q	Q	Q	NF
Less Than 4 Times a Month	Q	Q	Q	Q	Q	NF
Use a Personal Computer	14.3	5.3	2.9	5.9	0.3	10.7
Hours PC Turned On Each Week						
Less Than 2 Hours	2.7	0.8	0.6	1.1	Q	19.4
2 to 15 Hours	5.9	2.3	1.1	2.5	Q	14.0
16 to 40 Hours	2.7	1.0	0.6	1.1	Q	21.7
More than 40 Hours	1.4	0.6	0.2	0.5	Q	30.5
On All The Time	1.6	0.5	0.4	0.7	Q	26.1
Use of PCs Turned on 16 Hours a Week or More						
Personal Use Only	3.8	1.4	0.8	1.5	Q	17.7
Business Use Only	0.4	Q	Q	Q	Q	47.6
Both Personal and Business	1.6	0.6	0.3	0.7	Q	25.5
Business Use of PCs Turned on 16 Hours a Week or More						
Use to Telecommute	0.7	0.3	Q	0.2	Q	51.1
Other Business Use	1.3	0.4	0.2	0.7	Q	29.2
Battery Operated Appliances/Tools						
Use Battery Operated Appliances/Tools	8.8	4.0	1.8	2.9	Q	12.3
How Maintained When Not in Use						
Plugged in All The Time	1.7	0.6	0.3	0.8	Q	24.0
Recharged As Needed	6.5	3.0	1.5	2.0	Q	14.2
Both Ways are Used	0.6	0.3	Q	Q	Q	38.2
Don't Use Any	25.5	6.5	5.6	12.3	1.0	7.9

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-7a. Usage Indicators by Four Most Populated States,
Million U.S. Households, 2001**

Usage Indicators	Total	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.3	1.6	
Total	107.0	7.1	12.3	7.7	6.3	NE
Weekday Home Activities						
Home Used for Business						
Yes	7.6	0.4	0.9	0.4	0.3	19.3
No	99.4	6.7	11.5	7.3	6.0	1.4
Energy-Intensive Activity						
Yes	1.7	0.1	0.1	Q	Q	33.9
No	105.2	6.9	12.2	7.6	6.3	NE
Someone Home All Day						
Yes	53.0	3.5	6.4	3.8	3.1	3.9
No	53.9	3.6	5.9	3.8	3.2	3.9
Heating						
Heat Home	106.0	7.1	12.0	7.7	6.2	0.6
Do Not Heat Home	1.0	Q	0.3	Q	0.1	21.5
No Heating Equipment	0.5	Q	0.1	Q	Q	44.7
Have Equipment But Do Not Use It	0.4	Q	0.2	Q	Q	35.6
Adequacy of Insulation						
Well Insulated	42.6	2.9	3.3	2.7	2.2	6.6
Adequately Insulated	43.1	2.8	5.3	3.4	3.1	6.5
Poorly Insulated	19.4	1.3	3.2	1.4	1.0	8.5
No Insulation	0.9	Q	0.2	Q	Q	29.6
Don't Know	0.9	Q	0.3	Q	Q	32.6
Occurrences of Drafts During Winter						
Never	5.9	Q	0.6	0.5	0.2	20.3
Some of the Time	6.4	0.5	1.0	0.4	0.3	13.5
Most of the Time	34.6	2.5	4.5	2.3	1.3	7.4
All of the Time	55.3	3.4	5.4	4.0	4.3	4.8
Don't Know	4.7	0.3	0.8	0.5	0.3	16.0
Thermostat						
Heat Home	106.0	7.1	12.0	7.7	6.2	0.6
Thermostat Available During Heating Season	91.5	4.2	9.5	6.7	5.6	2.5
Programmable ¹						
Yes	25.1	2.1	4.4	1.5	1.1	14.8
No	66.4	2.1	5.1	5.2	4.6	6.4
No Thermostat	14.5	2.9	2.5	0.9	0.5	10.4
Do Not Heat Home	1.0	Q	0.3	Q	0.1	21.5
Lower Winter Temperature Settings¹						
Daytime When No One is at Home						
Yes	47.2	2.6	7.2	2.9	2.5	5.1
No	48.5	3.7	2.5	3.9	3.1	5.1
Unknown	10.3	0.8	2.3	0.9	0.5	11.6
During Sleeping Hours						
Yes	45.7	3.2	7.0	2.9	2.1	5.0
No	51.1	3.1	3.1	4.0	3.5	4.0
Unknown	9.2	0.7	2.0	0.8	0.5	11.7

See footnotes at end of table.

**Table HC6-7a. Usage Indicators by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.3	1.6	
Daytime Winter Temperature When Someone is at Home¹						
Heat Turned On	96.8	6.4	9.9	6.9	5.7	1.8
63 Degrees or Less	3.9	0.3	0.8	Q	0.1	19.2
64 to 66 Degrees	8.4	0.9	1.5	0.2	0.3	16.7
67 to 69 Degrees	23.6	1.9	2.4	1.0	0.7	9.0
70 Degrees	25.7	1.5	2.8	1.6	1.4	10.5
71 to 73 Degrees	16.5	0.9	1.0	1.1	1.0	13.7
74 Degrees or More	18.6	0.8	1.5	2.9	2.0	8.9
Heat Turned Off	2.0	Q	1.1	0.2	Q	20.8
Unknown/No Answer	7.2	0.7	1.0	0.6	0.2	12.6
Daytime Winter Temperature When No One is at Home¹						
Heat Turned On	87.6	6.3	5.7	6.5	5.1	2.6
63 Degrees or Less	17.7	1.4	2.3	0.7	1.0	13.5
64 to 66 Degrees	17.2	1.7	1.4	0.8	0.8	12.1
67 to 69 Degrees	19.1	1.3	0.9	1.1	0.7	12.2
70 Degrees	15.1	1.0	0.6	1.4	0.8	10.8
71 to 73 Degrees	8.7	0.5	0.3	0.7	0.4	21.6
74 Degrees or More	9.8	0.5	0.2	1.7	1.4	13.5
Heat Turned Off	10.5	Q	5.2	0.6	0.8	14.3
Unknown/No Answer	8.0	0.8	1.2	0.7	0.3	14.3
Winter Temperature During Sleeping Hours¹						
Heat Turned On	91.8	6.3	6.8	6.8	5.5	1.8
63 Degrees or Less	15.4	1.5	2.5	0.6	0.6	15.2
64 to 66 Degrees	17.4	1.5	1.7	0.8	0.9	10.0
67 to 69 Degrees	21.0	1.5	1.1	1.2	0.5	7.7
70 Degrees	17.4	0.9	1.0	1.5	1.2	9.7
71 to 73 Degrees	9.5	0.6	0.2	0.8	0.9	18.3
74 Degrees or More	11.1	0.4	0.3	2.0	1.4	15.0
Heat Turned Off	7.1	Q	4.2	0.3	0.5	15.2
Unknown/No Answer	7.1	0.7	1.0	0.6	0.2	14.0
Air-Conditioning						
Central Air-Conditioning						
Use a Central System	58.6	1.3	4.5	6.2	5.9	6.3
All Summer	28.4	0.2	0.3	4.7	3.9	9.1
Quite a Bit	12.1	0.4	0.8	1.1	1.2	15.9
Only a Few Times	16.8	0.7	2.9	0.4	0.5	14.6
Not at All	1.4	Q	0.6	Q	0.2	24.1
No Central System	48.4	5.8	7.9	1.5	0.5	9.5
Window/Wall Air-Conditioning						
Use Window/Wall Units	25.1	3.6	1.6	1.3	0.5	12.6
All Summer	4.9	0.4	0.1	0.7	Q	27.0
Quite a Bit	5.2	0.5	0.2	0.2	Q	27.9
Only a Few Times	14.1	2.4	1.0	0.4	0.4	11.6
Not at All	0.9	0.1	0.3	Q	Q	25.7
No Window/Wall Units	81.9	3.5	10.7	6.4	5.8	3.0

See footnotes at end of table.

**Table HC6-7a. Usage Indicators by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.3	1.6	
Hot Water						
Dishwasher Use Each Week						
Use a Dishwasher	56.7	2.8	6.8	4.7	3.6	5.6
Less Than Once a Week	9.4	0.7	1.4	0.8	0.7	13.8
Once Each Week	7.5	0.4	1.2	0.4	0.4	17.4
2 to 3 Times	17.8	0.7	2.2	1.6	0.9	13.1
4 to 6 Times	11.7	0.4	1.3	0.9	0.9	14.7
At Least Once Each Day	10.4	0.6	0.8	0.9	0.6	17.9
No Dishwasher	50.3	4.3	5.5	3.0	2.8	6.3
Loads of Laundry Washed Each Week						
Use a Clothes Washer	84.1	4.5	8.4	5.9	5.2	3.8
1 Load or Less	6.8	0.4	1.0	0.2	0.6	13.4
2 to 9 Loads	65.1	3.5	6.4	4.6	4.0	4.2
10 to 15 Loads	9.6	0.5	0.8	0.9	0.5	10.2
More than 15 Loads	2.7	0.1	0.2	0.2	Q	33.2
No Washing Machine	22.9	2.5	3.9	1.8	1.1	11.1
Water Temperature Setting for Clothes Washer						
Wash Cycle						
Hot	6.2	0.4	0.7	0.4	0.3	20.4
Warm	49.7	3.0	5.0	3.5	2.3	5.9
Cold	28.2	1.2	2.7	2.0	2.6	6.7
Rinse Cycle						
Hot	1.4	Q	0.1	0.1	Q	28.5
Warm	16.6	0.8	1.6	1.2	1.0	15.3
Cold	66.1	3.6	6.7	4.6	4.2	4.4
No Washing Machine	22.9	2.5	3.9	1.8	1.1	11.1
Clothes Dryer						
Use a Clothes Dryer	78.8	3.8	8.0	5.7	4.9	4.5
Every Time Clothes are Washed	63.5	2.6	6.5	4.8	4.1	5.2
Some, but not All, Loads	12.7	1.0	1.3	0.8	0.7	9.2
Used Infrequently	2.7	0.2	0.2	Q	Q	30.2
No Clothes Dryer	28.2	3.3	4.3	2.0	1.4	10.1
Cooking						
Number of Hot Meals Cooked in the Home						
3 or More Times a Day	7.5	0.4	0.9	0.7	0.3	22.5
2 Times a Day	26.8	1.7	3.3	1.8	1.5	7.6
Once a Day	43.3	2.8	4.6	2.8	2.3	6.2
A Few Times Each Week	21.7	1.8	2.8	1.8	1.7	9.7
About Once a Week	4.0	0.3	0.4	0.3	0.3	15.1
Less Than Once a Week	2.4	0.1	0.1	0.3	Q	28.7
No Hot Meals Cooked	1.2	Q	0.2	Q	0.1	35.0
Conventional Oven						
Use a Conventional Oven	99.4	6.8	11.1	6.4	5.9	1.7
More Than Once a Day	8.6	0.7	0.7	0.5	0.6	13.6
Once a Day	17.4	1.2	1.5	1.1	0.9	11.6
Between Once a Day and Once a Week	33.1	1.8	3.5	2.1	2.0	7.1
Once a Week	15.6	1.2	1.7	1.2	1.2	9.0
Less Than Once a Week	24.6	2.0	3.7	1.5	1.3	11.1
Do Not Use	7.6	0.2	1.2	1.2	0.4	19.9

See footnotes at end of table.

**Table HC6-7a. Usage Indicators by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.3	1.6	
Microwave Oven						
Use a Microwave Oven	92.1	5.2	10.0	6.7	5.4	3.0
Most or All	8.2	0.3	1.3	0.7	0.6	15.0
About Half	19.3	0.9	2.4	1.2	1.1	11.4
Some or Very Little	22.4	1.3	2.5	1.9	1.2	10.5
For Defrosting, Reheating, or Snacks	42.2	2.6	3.8	2.9	2.5	6.8
No Microwave Oven	14.8	1.9	2.3	1.0	0.9	14.6
Electric Coffee Maker						
Use an Electric Coffee Maker	65.5	4.4	7.0	4.5	3.1	3.7
Three or More Times a Day	2.4	0.2	0.1	Q	Q	33.1
Two Times a Day	5.9	0.5	0.5	0.4	0.2	19.5
Once a Day	33.6	2.1	3.4	2.8	1.8	6.5
A Few Times Each Week	9.4	0.6	1.2	0.5	0.5	13.1
About Once a Week	5.2	0.4	0.5	0.3	0.3	15.1
Less than Once a Week	9.0	0.6	1.1	0.4	0.2	13.6
No Electric Coffee Maker	41.5	2.7	5.4	3.1	3.2	5.0
Time Electric Coffee Maker is Left On						
Turned Off Right Away	18.8	1.7	2.3	1.0	0.8	9.8
Less than 15 Minutes	10.0	0.9	1.2	0.5	0.6	13.1
15 Minutes to 1 Hour	24.6	1.1	2.0	2.2	1.3	8.6
More than 1 Hour	12.1	0.6	1.4	0.8	0.5	16.8
Electric Toaster						
Use a Electric Toaster	36.1	3.4	4.5	3.1	2.4	6.4
Three or More Times a Day	1.0	0.1	Q	0.1	Q	33.5
Two Times a Day	2.7	0.2	0.3	Q	0.2	25.0
Once a Day	8.2	0.8	1.1	0.7	0.6	14.1
A Few Times Each Week	11.9	1.1	1.3	1.2	0.9	13.1
About Once a Week	4.3	0.4	0.8	0.3	0.3	17.8
Less than Once a Week	7.9	0.7	1.0	0.7	0.4	12.1
No Electric Toaster	70.9	3.7	7.8	4.5	3.9	4.2
Lights						
Indoor Lights Turned On:						
1 to 4 Hours per Day						
None	10.2	0.7	1.0	0.5	0.7	14.6
1	30.1	2.0	3.0	2.1	1.7	7.2
2	30.7	2.2	4.3	2.5	1.4	7.3
3	16.6	1.0	2.0	1.0	1.3	10.5
4	10.5	0.5	1.1	0.7	0.7	16.0
5 or More	8.8	0.6	1.0	1.0	Q	17.8
Between 4 and 12 Hours per Day						
None	30.2	2.3	3.4	1.6	1.9	7.7
1	25.2	1.8	3.7	2.3	1.5	7.4
2	25.5	1.6	3.1	1.8	1.2	7.0
3	12.7	0.6	1.1	0.7	1.0	13.8
4	7.2	0.3	0.5	0.6	0.4	18.0
5 or More	6.2	0.4	0.5	0.7	0.2	19.6
More than 12 Hours per Day						
None	81.1	5.4	10.5	5.2	4.5	3.4
1	14.4	1.1	1.4	1.2	1.1	11.9
2	6.8	0.4	0.3	0.8	0.5	19.9
3	2.4	Q	0.2	0.2	0.1	21.6
4	1.3	0.1	Q	0.2	Q	27.0
5 or More	1.1	Q	Q	Q	0.2	20.1

See footnotes at end of table.

**Table HC6-7a. Usage Indicators by Four Most Populated States,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.3	1.6	
Outdoor Lights on All Night						
Used	24.5	1.1	2.5	2.6	1.8	9.3
Not Used	82.5	6.0	9.8	5.1	4.5	2.9
Gas Fireplace						
Use a Gas Fireplace During Winter Months ..	3.7	0.4	0.6	0.4	0.1	16.2
Most Days	1.3	Q	Q	Q	Q	44.2
Almost Once a Week	1.1	Q	0.1	0.1	Q	31.4
Less Than 4 Times a Month	1.2	Q	0.3	0.2	Q	19.8
Use a Personal Computer	60.0	3.4	7.9	4.1	3.8	4.4
Hours PC Turned On Each Week						
Less Than 2 Hours	10.3	0.7	1.3	0.7	1.0	13.5
2 to 15 Hours	26.3	1.5	3.6	1.8	1.3	7.8
16 to 40 Hours	12.2	0.7	1.8	0.7	0.6	13.4
More than 40 Hours	5.7	0.3	0.6	0.5	0.5	17.8
On All The Time	5.6	0.2	0.6	0.5	0.4	25.3
Use of PCs Turned on 16 Hours a Week or More						
Personal Use Only	14.0	0.5	1.7	1.0	0.7	14.5
Business Use Only	2.1	Q	0.3	0.2	0.1	21.1
Both Personal and Business	7.3	0.6	1.0	0.4	0.7	19.1
Business Use of PCs Turned on 16 Hours a Week or More						
Use to Telecommute	3.6	0.3	0.4	0.3	Q	21.3
Other Business Use	5.8	0.4	0.9	0.3	0.4	17.9
Battery Operated Appliances/Tools						
Use Battery Operated Appliances/ Tools	47.7	3.1	4.6	3.4	2.8	6.4
How Maintained When Not in Use						
Plugged in All The Time	10.8	0.8	1.0	0.9	0.7	17.7
Recharged As Needed	33.8	2.0	3.3	2.3	2.0	8.1
Both Ways are Used	3.1	0.4	0.3	0.2	0.1	24.1
Don't Use Any	59.3	3.9	7.7	4.3	3.6	4.8

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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.

• See "Glossary" for definition of terms used in this report. • All temperatures listed are in degrees Fahrenheit.

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 HC6-8a. Usage Indicators by Urban/Rural Location,
Million U.S. Households, 2001**

Usage Indicators	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.8	1.4	1.3	1.4	
Total	107.0	49.9	18.0	21.2	17.9	4.1
Weekday Home Activities						
Home Used for Business						
Yes	7.6	2.7	1.2	1.9	1.8	11.7
No	99.4	47.2	16.8	19.3	16.1	4.3
Energy-Intensive Activity						
Yes	1.7	0.6	0.3	0.2	0.6	22.8
No	105.2	49.2	17.7	21.0	17.3	4.1
Someone Home All Day						
Yes	53.0	23.8	8.9	10.7	9.7	4.5
No	53.9	26.0	9.1	10.6	8.2	4.9
Heating						
Heat Home	106.0	49.1	18.0	21.2	17.8	4.1
Do Not Heat Home	1.0	0.7	0.1	0.1	0.1	25.8
No Heating Equipment	0.5	0.4	0.1	Q	0.1	33.0
Have Equipment But Do Not Use It	0.4	0.3	Q	Q	Q	33.7
Adequacy of Insulation						
Well Insulated	42.6	18.2	6.9	8.8	8.7	5.4
Adequately Insulated	43.1	20.5	6.9	9.4	6.3	5.5
Poorly Insulated	19.4	10.1	3.9	2.8	2.6	7.8
No Insulation	0.9	0.4	0.2	0.1	0.1	27.7
Don't Know	0.9	0.6	0.2	Q	Q	29.4
Occurrences of Drafts During Winter						
Never	5.9	3.0	1.3	1.0	0.6	13.5
Some of the Time	6.4	3.3	1.1	0.9	1.1	11.8
Most of the Time	34.6	16.4	6.1	6.4	5.8	6.1
All of the Time	55.3	24.3	8.8	12.2	9.9	5.0
Don't Know	4.7	2.9	0.6	0.8	0.5	14.1
Thermostat						
Heat Home	106.0	49.1	18.0	21.2	17.8	4.1
Thermostat Available During Heating Season	91.5	40.7	16.0	19.6	15.2	4.4
Programmable ²						
Yes	25.1	11.2	3.9	6.9	3.0	7.8
No	66.4	29.4	12.1	12.7	12.2	5.1
No Thermostat	14.5	8.4	2.0	1.5	2.5	9.9
Do Not Heat Home	1.0	0.7	0.1	0.1	0.1	25.8
Lower Winter Temperature Settings²						
Daytime When No One is at Home						
Yes	47.2	20.8	8.7	10.4	7.3	5.0
No	48.5	22.0	7.9	9.2	9.3	5.6
Unknown	10.3	6.3	1.4	1.6	1.1	11.0
During Sleeping Hours						
Yes	45.7	20.2	8.4	9.7	7.5	5.3
No	51.1	23.2	8.4	10.3	9.3	4.9
Unknown	9.2	5.8	1.2	1.2	1.0	12.3

See footnotes at end of table.

Table HC6-8a. Usage Indicators by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Usage Indicators	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Daytime Winter Temperature When Someone is at Home²						
Heat Turned On	96.8	43.3	16.7	19.9	16.8	4.3
63 Degrees or Less	3.9	2.0	0.8	0.5	0.6	14.3
64 to 66 Degrees	8.4	4.2	1.4	1.4	1.3	11.0
67 to 69 Degrees	23.6	9.2	4.0	5.9	4.6	6.6
70 Degrees	25.7	11.6	4.8	4.9	4.3	6.6
71 to 73 Degrees	16.5	7.0	2.8	3.6	3.0	8.4
74 Degrees or More	18.6	9.3	2.8	3.5	2.9	7.8
Heat Turned Off	2.0	1.2	0.4	0.3	0.1	21.6
Unknown/No Answer	7.2	4.5	0.9	0.9	0.9	13.9
Daytime Winter Temperature When No One is at Home²						
Heat Turned On	87.6	37.8	15.7	18.1	16.0	4.0
63 Degrees or Less	17.7	7.7	3.6	3.2	3.2	8.7
64 to 66 Degrees	17.2	6.9	3.6	3.8	2.9	7.8
67 to 69 Degrees	19.1	7.9	2.9	4.6	3.7	7.9
70 Degrees	15.1	6.6	2.9	2.8	2.8	8.5
71 to 73 Degrees	8.7	3.7	1.3	1.8	1.9	10.5
74 Degrees or More	9.8	4.9	1.4	1.9	1.5	11.0
Heat Turned Off	10.5	6.5	1.3	1.8	0.9	12.5
Unknown/No Answer	8.0	4.8	1.0	1.2	1.0	11.9
Winter Temperature During Sleeping Hours²						
Heat Turned On	91.8	39.8	16.3	19.1	16.5	4.3
63 Degrees or Less	15.4	6.7	3.3	2.7	2.8	9.0
64 to 66 Degrees	17.4	7.2	3.5	3.4	3.2	7.7
67 to 69 Degrees	21.0	8.2	3.5	5.2	4.1	6.9
70 Degrees	17.4	7.6	3.0	3.8	3.1	7.7
71 to 73 Degrees	9.5	4.4	1.4	1.9	1.8	11.2
74 Degrees or More	11.1	5.8	1.5	2.2	1.6	10.4
Heat Turned Off	7.1	4.7	0.8	1.1	0.4	13.4
Unknown/No Answer	7.1	4.5	0.9	0.9	0.8	13.7
Air-Conditioning						
Central Air-Conditioning						
Use a Central System	58.6	24.3	8.7	16.1	9.6	5.1
All Summer	28.4	11.7	3.9	7.8	5.0	7.2
Quite a Bit	12.1	4.5	1.7	3.9	1.9	9.1
Only a Few Times	16.8	7.2	3.1	4.1	2.4	9.0
Not at All	1.4	0.8	Q	0.3	0.2	24.1
No Central System	48.4	25.6	9.3	5.1	8.3	5.6
Window/Wall Air-Conditioning						
Use Window/Wall Units	25.1	12.9	5.0	3.1	4.1	7.2
All Summer	4.9	2.5	1.1	0.4	0.9	13.9
Quite a Bit	5.2	2.8	0.8	0.6	1.0	14.4
Only a Few Times	14.1	7.0	3.0	2.0	2.1	8.2
Not at All	0.9	0.6	Q	0.1	0.1	28.4
No Window/Wall Units	81.9	36.9	13.0	18.2	13.8	3.9

See footnotes at end of table.

**Table HC6-8a. Usage Indicators by Urban/Rural Location,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.8	1.4	1.3	1.4	
Hot Water						
Dishwasher Use Each Week						
Use a Dishwasher	56.7	22.7	8.6	15.7	9.6	4.7
Less Than Once a Week	9.4	4.2	1.4	2.6	1.2	9.5
Once Each Week	7.5	3.5	1.2	1.7	1.1	11.8
2 to 3 Times	17.8	7.5	2.5	5.0	2.9	8.0
4 to 6 Times	11.7	3.9	2.0	3.7	2.1	9.3
At Least Once Each Day	10.4	3.6	1.6	2.8	2.4	9.5
No Dishwasher	50.3	27.1	9.4	5.5	8.3	5.6
Loads of Laundry Washed Each Week						
Use a Clothes Washer	84.1	34.5	14.6	18.6	16.4	4.0
1 Load or Less	6.8	3.4	1.4	1.0	1.1	11.3
2 to 9 Loads	65.1	26.4	11.2	15.1	12.4	4.5
10 to 15 Loads	9.6	3.9	1.5	2.0	2.2	9.3
More than 15 Loads	2.7	0.8	0.6	0.5	0.8	17.7
No Washing Machine	22.9	15.4	3.4	2.7	1.4	9.6
Water Temperature Setting for Clothes Washer						
Wash Cycle						
Hot	6.2	2.8	0.9	1.2	1.4	11.7
Warm	49.7	19.7	9.1	11.6	9.4	4.8
Cold	28.2	12.0	4.7	5.8	5.7	6.9
Rinse Cycle						
Hot	1.4	0.7	0.1	0.2	0.3	27.0
Warm	16.6	7.6	3.0	3.2	2.9	9.1
Cold	66.1	26.2	11.5	15.1	13.2	4.6
No Washing Machine	22.9	15.4	3.4	2.7	1.4	9.6
Clothes Dryer						
Use a Clothes Dryer	78.8	31.4	13.7	18.1	15.6	4.2
Every Time Clothes are Washed	63.5	25.9	10.5	15.4	11.7	4.4
Some, but not All, Loads	12.7	4.5	2.4	2.4	3.4	9.2
Used Infrequently	2.7	1.1	0.7	0.2	0.6	18.4
No Clothes Dryer	28.2	18.4	4.4	3.2	2.2	8.5
Cooking						
Number of Hot Meals Cooked in the Home						
3 or More Times a Day	7.5	3.9	1.2	1.1	1.3	12.3
2 Times a Day	26.8	12.5	4.9	5.0	4.4	6.5
Once a Day	43.3	18.3	7.3	9.7	8.1	5.2
A Few Times Each Week	21.7	11.1	3.3	4.3	3.1	7.9
About Once a Week	4.0	2.2	0.7	0.5	0.5	15.2
Less Than Once a Week	2.4	1.3	0.4	0.4	0.3	19.1
No Hot Meals Cooked	1.2	0.5	0.2	Q	0.2	29.8
Conventional Oven						
Use a Conventional Oven	99.4	46.5	17.3	19.3	16.3	4.2
More Than Once a Day	8.6	4.0	1.7	1.6	1.3	11.7
Once a Day	17.4	7.7	3.0	3.4	3.3	7.6
Between Once a Day and Once a Week	33.1	14.5	5.5	7.4	5.7	6.1
Once a Week	15.6	7.5	2.4	3.0	2.8	8.2
Less Than Once a Week	24.6	12.8	4.7	3.8	3.3	7.3
Do Not Use	7.6	3.4	0.8	1.9	1.6	12.6

See footnotes at end of table.

Table HC6-8a. Usage Indicators by Urban/Rural Location, Million U.S. Households, 2001 (Continued)

Usage Indicators	Urban/Rural Location ¹					RSE Row Factors
	Total	City	Town	Suburbs	Rural	
	0.5	0.8	1.4	1.3	1.4	
Microwave Oven						
Use a Microwave Oven	92.1	41.0	15.9	18.9	16.4	3.8
Most or All	8.2	4.4	1.3	1.4	1.0	11.2
About Half	19.3	8.9	3.2	4.2	3.0	8.2
Some or Very Little	22.4	9.4	3.9	4.9	4.2	7.0
For Defrosting, Reheating, or Snacks	42.2	18.3	7.4	8.4	8.1	5.5
No Microwave Oven	14.8	8.9	2.2	2.3	1.5	10.3
Electric Coffee Maker						
Use an Electric Coffee Maker	65.5	27.2	11.4	14.5	12.4	4.3
Three or More Times a Day	2.4	0.9	0.5	0.4	0.6	18.0
Two Times a Day	5.9	2.3	1.1	1.3	1.3	12.2
Once a Day	33.6	13.2	6.0	7.6	6.8	5.6
A Few Times Each Week	9.4	4.6	1.5	1.8	1.6	9.8
About Once a Week	5.2	2.3	0.8	1.4	0.7	12.1
Less than Once a Week	9.0	3.9	1.5	2.1	1.4	9.5
No Electric Coffee Maker	41.5	22.7	6.6	6.7	5.4	6.1
Time Electric Coffee Maker is Left On						
Turned Off Right Away	18.8	8.0	3.3	3.9	3.6	7.3
Less than 15 Minutes	10.0	4.1	1.8	2.5	1.7	9.1
15 Minutes to 1 Hour	24.6	10.2	3.9	6.2	4.4	6.9
More than 1 Hour	12.1	4.9	2.5	2.0	2.8	10.0
Electric Toaster						
Use a Electric Toaster	36.1	17.4	6.1	7.1	5.5	6.1
Three or More Times a Day	1.0	0.6	0.2	0.2	0.2	30.0
Two Times a Day	2.7	1.4	0.4	0.6	0.3	19.4
Once a Day	8.2	3.7	1.4	1.8	1.4	10.9
A Few Times Each Week	11.9	6.1	2.0	2.4	1.5	9.5
About Once a Week	4.3	2.1	0.8	0.7	0.7	13.9
Less than Once a Week	7.9	3.6	1.4	1.5	1.4	10.8
No Electric Toaster	70.9	32.5	12.0	14.1	12.4	4.2
Lights						
Indoor Lights Turned On:						
1 to 4 Hours per Day						
None	10.2	5.0	1.7	1.8	1.7	11.0
1	30.1	15.4	4.9	5.3	4.6	6.3
2	30.7	14.9	5.0	5.7	5.1	6.4
3	16.6	6.5	3.1	4.0	3.0	8.4
4	10.5	4.4	1.9	2.2	1.9	10.5
5 or More	8.8	3.6	1.4	2.3	1.6	11.1
Between 4 and 12 Hours per Day						
None	30.2	15.0	5.4	5.0	4.9	7.5
1	25.2	12.3	4.2	4.8	3.9	6.8
2	25.5	12.3	4.2	4.7	4.3	6.5
3	12.7	5.3	1.9	3.1	2.4	8.9
4	7.2	2.9	1.5	1.6	1.2	10.8
5 or More	6.2	2.1	0.9	2.1	1.1	13.8
More than 12 Hours per Day						
None	81.1	38.2	13.9	15.9	13.2	4.4
1	14.4	6.7	2.1	3.2	2.5	9.0
2	6.8	3.2	1.3	1.1	1.2	12.7
3	2.4	0.9	0.4	0.4	0.6	23.5
4	1.3	0.6	0.2	0.3	0.2	27.3
5 or More	1.1	0.3	0.2	0.4	0.2	26.5

See footnotes at end of table.

**Table HC6-8a. Usage Indicators by Urban/Rural Location,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.8	1.4	1.3	1.4	
Outdoor Lights on All Night						
Used	24.5	10.3	3.6	5.0	5.6	7.7
Not Used	82.5	39.5	14.5	16.2	12.3	4.0
Gas Fireplace						
Use a Gas Fireplace During Winter Months ..	3.7	1.4	0.6	1.0	0.7	16.5
Most Days	1.3	0.5	0.3	0.1	0.4	30.2
Almost Once a Week	1.1	0.3	0.2	0.5	0.1	30.2
Less Than 4 Times a Month	1.2	0.6	0.1	0.4	0.1	28.6
Use a Personal Computer	60.0	25.6	9.3	15.0	10.1	4.7
Hours PC Turned On Each Week						
Less Than 2 Hours	10.3	4.4	1.6	2.3	2.0	9.8
2 to 15 Hours	26.3	11.6	4.3	6.1	4.3	6.3
16 to 40 Hours	12.2	4.9	1.9	3.2	2.2	9.9
More than 40 Hours	5.7	2.4	0.7	1.8	0.8	13.2
On All The Time	5.6	2.3	0.8	1.5	0.9	13.6
Use of PCs Turned on 16 Hours a Week or More						
Personal Use Only	14.0	5.8	2.1	3.5	2.6	9.6
Business Use Only	2.1	0.7	0.4	0.7	0.3	19.0
Both Personal and Business	7.3	3.0	1.0	2.4	1.0	12.3
Business Use of PCs Turned on 16 Hours a Week or More						
Use to Telecommute	3.6	1.1	0.5	1.6	0.4	17.5
Other Business Use	5.8	2.6	0.8	1.5	0.9	12.8
Battery Operated Appliances/Tools						
Use Battery Operated Appliances/ Tools	47.7	18.7	8.0	11.5	9.4	5.5
How Maintained When Not in Use						
Plugged in All The Time	10.8	4.0	1.8	2.9	2.1	10.8
Recharged As Needed	33.8	13.6	5.6	7.7	6.8	6.1
Both Ways are Used	3.1	1.1	0.6	0.9	0.5	16.1
Don't Use Any	59.3	31.2	10.0	9.7	8.4	5.1

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

² The 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

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 HC6-9a. Usage Indicators by Northeast Census Region,
Million U.S. Households, 2001**

Usage Indicators	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.5	
Total	107.0	20.3	14.8	5.4	NE
Weekday Home Activities					
Home Used for Business					
Yes	7.6	1.5	1.0	0.5	13.5
No	99.4	18.8	13.9	4.9	1.1
Energy-Intensive Activity					
Yes	1.7	0.5	0.4	Q	20.2
No	105.2	19.7	14.5	5.3	NE
Someone Home All Day					
Yes	53.0	10.3	7.9	2.4	4.2
No	53.9	10.0	7.0	3.0	4.2
Heating					
Heat Home	106.0	20.1	14.7	5.4	NE
Do Not Heat Home	1.0	Q	Q	Q	20.1
No Heating Equipment	0.5	Q	Q	Q	39.8
Have Equipment But Do Not Use It	0.4	Q	Q	Q	39.0
Adequacy of Insulation					
Well Insulated	42.6	8.5	5.9	2.5	4.5
Adequately Insulated	43.1	7.8	6.0	1.8	6.6
Poorly Insulated	19.4	3.8	2.7	1.1	9.0
No Insulation	0.9	Q	Q	Q	30.7
Don't Know	0.9	Q	Q	Q	33.6
Occurrences of Drafts During Winter					
Never	5.9	1.4	1.0	0.4	19.7
Some of the Time	6.4	1.4	1.0	0.4	13.4
Most of the	34.6	6.8	5.1	1.7	6.0
All of the Time	55.3	10.1	7.4	2.7	3.9
Don't Know	4.7	0.6	0.4	0.2	16.4
Thermostat					
Heat Home	106.0	20.1	14.7	5.4	NE
Thermostat Available During Heating Season	91.5	15.7	10.9	4.9	2.1
Programmable ¹					
Yes	25.1	5.0	3.7	1.3	6.1
No	66.4	10.8	7.2	3.6	3.7
No Thermostat	14.5	4.4	3.8	0.6	9.1
Do Not Heat Home	1.0	Q	Q	Q	20.1
Lower Winter Temperature Settings¹					
Daytime When No One is at Home					
Yes	47.2	7.5	5.0	2.5	5.6
No	48.5	11.2	8.7	2.6	4.5
Unknown	10.3	1.4	1.1	0.3	12.6
During Sleeping Hours					
Yes	45.7	8.9	6.3	2.5	5.1
No	51.1	10.0	7.4	2.7	4.3
Unknown	9.2	1.3	1.0	0.2	12.4

See footnotes at end of table.

**Table HC6-9a. Usage Indicators by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.5	
Daytime Winter Temperature When Someone is at Home¹					
Heat Turned On	96.8	18.9	13.8	5.2	1.3
63 Degrees or Less	3.9	0.8	0.5	0.3	15.2
64 to 66 Degrees	8.4	2.4	1.6	0.8	12.4
67 to 69 Degrees	23.6	5.7	3.9	1.9	4.9
70 Degrees	25.7	5.1	3.9	1.3	6.1
71 to 73 Degrees	16.5	3.0	2.5	0.5	10.4
74 Degrees or More	18.6	1.9	1.5	0.4	6.8
Heat Turned Off	2.0	Q	Q	Q	21.3
Unknown/No Answer	7.2	1.2	0.9	0.2	12.0
Daytime Winter Temperature When No One is at Home¹					
Heat Turned On	87.6	18.7	13.6	5.1	1.4
63 Degrees or Less	17.7	3.8	2.3	1.5	8.5
64 to 66 Degrees	17.2	4.0	2.7	1.2	6.8
67 to 69 Degrees	19.1	4.6	3.3	1.3	6.4
70 Degrees	15.1	3.3	2.7	0.7	6.8
71 to 73 Degrees	8.7	1.7	1.5	0.2	11.3
74 Degrees or More	9.8	1.2	1.1	Q	8.0
Heat Turned Off	10.5	Q	Q	Q	14.1
Unknown/No Answer	8.0	1.4	1.1	0.3	13.0
Winter Temperature During Sleeping Hours¹					
Heat Turned On	91.8	18.8	13.7	5.1	1.2
63 Degrees or Less	15.4	3.6	2.2	1.4	7.9
64 to 66 Degrees	17.4	4.3	3.0	1.3	5.4
67 to 69 Degrees	21.0	4.9	3.5	1.3	6.4
70 Degrees	17.4	3.4	2.6	0.8	7.5
71 to 73 Degrees	9.5	1.6	1.4	0.3	13.9
74 Degrees or More	11.1	1.1	0.9	0.1	10.9
Heat Turned Off	7.1	Q	Q	Q	13.4
Unknown/No Answer	7.1	1.3	1.0	0.2	12.9
Air-Conditioning					
Central Air-Conditioning					
Use a Central System	58.6	5.7	5.0	0.8	8.6
All Summer	28.4	1.6	1.4	0.2	15.0
Quite a Bit	12.1	1.3	1.2	Q	13.5
Only a Few Times	16.8	2.8	2.4	0.4	11.7
Not at All	1.4	Q	Q	Q	28.8
No Central System	48.4	14.5	9.9	4.6	3.9
Window/Wall Air-Conditioning					
Use Window/Wall Units	25.1	8.9	6.4	2.4	5.8
All Summer	4.9	1.0	0.8	0.2	18.5
Quite a Bit	5.2	1.7	1.3	0.4	13.5
Only a Few Times	14.1	5.9	4.1	1.8	6.4
Not at All	0.9	0.2	0.2	Q	34.0
No Window/Wall Units	81.9	11.4	8.4	3.0	3.6

See footnotes at end of table.

**Table HC6-9a. Usage Indicators by Northeast Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.5	
Hot Water					
Dishwasher Use Each Week					
Use a Dishwasher	56.7	9.2	6.5	2.7	4.0
Less Than Once a Week	9.4	1.7	1.1	0.5	10.8
Once Each Week	7.5	1.1	0.8	0.4	17.0
2 to 3 Times	17.8	2.9	2.2	0.7	9.4
4 to 6 Times	11.7	1.6	1.1	0.5	13.3
At Least Once Each Day	10.4	1.8	1.3	0.5	12.2
No Dishwasher	50.3	11.0	8.3	2.7	3.7
Loads of Laundry Washed Each Week					
Use a Clothes Washer	84.1	14.7	10.7	4.0	2.8
1 Load or Less	6.8	1.5	1.1	0.3	11.5
2 to 9 Loads	65.1	11.5	8.2	3.2	4.5
10 to 15 Loads	9.6	1.4	1.0	0.4	8.6
More than 15 Loads	2.7	0.4	0.3	Q	23.8
No Washing Machine	22.9	5.5	4.2	1.4	8.1
Water Temperature Setting for Clothes Washer					
Wash Cycle					
Hot	6.2	1.4	1.0	0.4	16.0
Warm	49.7	9.4	7.2	2.2	4.7
Cold	28.2	4.0	2.5	1.4	7.2
Rinse Cycle					
Hot	1.4	0.4	Q	Q	38.7
Warm	16.6	3.2	2.3	0.9	13.3
Cold	66.1	11.2	8.1	3.1	5.3
No Washing Machine	22.9	5.5	4.2	1.4	8.1
Clothes Dryer					
Use a Clothes Dryer	78.8	13.3	9.6	3.7	3.1
Every Time Clothes are Washed	63.5	9.7	6.9	2.8	3.1
Some, but not All, Loads	12.7	2.8	2.2	0.6	8.4
Used Infrequently	2.7	0.7	0.5	0.3	20.5
No Clothes Dryer	28.2	7.0	5.3	1.7	6.6
Cooking					
Number of Hot Meals Cooked in the Home					
3 or More Times a Day	7.5	1.2	0.8	0.4	13.2
2 Times a Day	26.8	4.6	3.2	1.4	5.9
Once a Day	43.3	8.9	6.6	2.3	4.1
A Few Times Each Week	21.7	4.2	3.2	0.9	7.3
About Once a Week	4.0	0.5	0.4	0.2	16.9
Less Than Once a Week	2.4	0.6	0.4	0.2	23.1
No Hot Meals Cooked	1.2	Q	Q	Q	43.4
Conventional Oven					
Use a Conventional Oven	99.4	19.3	14.3	5.1	1.4
More Than Once a Day	8.6	1.5	1.0	0.5	12.1
Once a Day	17.4	3.3	2.3	1.1	5.7
Between Once a Day and					
Once a Week	33.1	6.4	4.7	1.8	6.5
Once a Week	15.6	2.8	2.2	0.6	8.1
Less Than Once a Week	24.6	5.3	4.1	1.2	7.8
Do Not Use	7.6	0.9	0.6	0.3	17.3

See footnotes at end of table.

Table HC6-9a. Usage Indicators by Northeast Census Region, Million U.S. Households, 2001 (Continued)

Usage Indicators	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.5	
Microwave Oven					
Use a Microwave Oven	92.1	15.2	11.3	4.0	3.5
Most or All	8.2	1.1	1.0	0.2	9.6
About Half	19.3	2.8	1.9	0.9	10.1
Some or Very Little	22.4	3.6	2.5	1.1	7.7
For Defrosting, Reheating, or Snacks	42.2	7.7	5.9	1.8	7.1
No Microwave Oven	14.8	5.0	3.6	1.5	12.4
Electric Coffee Maker					
Use an Electric Coffee Maker	65.5	12.4	8.8	3.6	3.2
Three or More Times a Day	2.4	0.6	0.5	Q	16.2
Two Times a Day	5.9	1.4	0.9	0.5	12.5
Once a Day	33.6	6.0	4.3	1.7	5.0
A Few Times Each Week	9.4	1.7	1.2	0.5	10.5
About Once a Week	5.2	1.1	0.8	0.3	12.3
Less than Once a Week	9.0	1.6	1.1	0.5	11.3
No Electric Coffee Maker	41.5	7.9	6.0	1.9	5.2
Time Electric Coffee Maker is Left On					
Turned Off Right Away	18.8	4.9	3.6	1.3	6.9
Less than 15 Minutes	10.0	2.2	1.5	0.7	12.9
15 Minutes to 1 Hour	24.6	3.4	2.3	1.1	6.8
More than 1 Hour	12.1	1.8	1.4	0.4	15.2
Electric Toaster					
Use a Electric Toaster	36.1	8.5	6.3	2.2	6.1
Three or More Times a Day	1.0	0.3	Q	Q	28.6
Two Times a Day	2.7	0.7	0.5	0.3	19.4
Once a Day	8.2	2.1	1.6	0.5	13.3
A Few Times Each Week	11.9	2.8	2.1	0.7	10.8
About Once a Week	4.3	1.0	0.8	0.2	12.0
Less than Once a Week	7.9	1.6	1.2	0.3	10.7
No Electric Toaster	70.9	11.7	8.5	3.2	4.0
Lights					
Indoor Lights Turned On:					
1 to 4 Hours per Day					
None	10.2	1.7	1.3	0.4	12.4
1	30.1	5.8	4.4	1.4	5.5
2	30.7	6.0	4.2	1.8	6.4
3	16.6	3.2	2.4	0.8	12.9
4	10.5	1.8	1.4	0.5	13.5
5 or More	8.8	1.7	1.1	0.6	13.4
Between 4 and 12 Hours per Day					
None	30.2	6.1	4.0	2.2	6.7
1	25.2	4.5	3.5	1.1	8.0
2	25.5	4.9	4.0	0.9	5.9
3	12.7	2.3	1.7	0.5	10.7
4	7.2	1.2	0.8	0.4	13.0
5 or More	6.2	1.3	0.9	0.3	12.7
More than 12 Hours per Day					
None	81.1	16.0	11.5	4.5	1.7
1	14.4	2.8	2.2	0.7	8.7
2	6.8	0.9	0.7	0.2	15.4
3	2.4	0.3	0.3	Q	32.9
4	1.3	Q	Q	Q	29.3
5 or More	1.1	Q	Q	Q	25.4

See footnotes at end of table.

Table HC6-9a. Usage Indicators by Northeast Census Region, Million U.S. Households, 2001 (Continued)

Usage Indicators	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.0	1.3	1.5	
Outdoor Lights on All Night					
Used	24.5	3.3	2.8	0.5	10.2
Not Used	82.5	17.0	12.1	4.9	3.0
Gas Fireplace					
Use a Gas Fireplace During Winter Months ..	3.7	0.6	0.5	Q	17.0
Most Days	1.3	Q	Q	Q	36.5
Almost Once a Week	1.1	Q	Q	Q	35.5
Less Than 4 Times a Month	1.2	Q	Q	Q	30.5
Use a Personal Computer	60.0	10.9	7.7	3.3	3.1
Hours PC Turned On Each Week					
Less Than 2 Hours	10.3	1.6	1.2	0.4	9.2
2 to 15 Hours	26.3	5.3	3.7	1.6	4.1
16 to 40 Hours	12.2	2.3	1.6	0.7	9.0
More than 40 Hours	5.7	1.0	0.7	0.4	17.3
On All The Time	5.6	0.7	0.5	0.2	19.5
Use of PCs Turned on 16 Hours a Week or More					
Personal Use Only	14.0	2.2	1.4	0.8	11.9
Business Use Only	2.1	0.4	0.3	0.2	23.6
Both Personal and Business	7.3	1.4	1.1	0.3	13.5
Business Use of PCs Turned on 16 Hours a Week or More					
Use to Telecommute	3.6	0.8	0.6	0.2	19.9
Other Business Use	5.8	1.1	0.8	0.3	15.1
Battery Operated Appliances/Tools					
Use Battery Operated Appliances/Tools	47.7	9.0	6.5	2.5	6.6
How Maintained When Not in Use					
Plugged in All The Time	10.8	2.3	1.8	0.5	14.2
Recharged As Needed	33.8	6.0	4.1	1.9	7.0
Both Ways are Used	3.1	0.6	0.6	Q	18.2
Don't Use Any	59.3	11.3	8.4	2.9	5.4

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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.

• See "Glossary" for definition of terms used in this report. • All temperatures listed are in degrees Fahrenheit.

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 HC6-10a. Usage Indicators by Midwest Census Region,
Million U.S. Households, 2001**

Usage Indicators	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	1.5	
Total	107.0	24.5	17.1	7.4	NE
Weekday Home Activities					
Home Used for Business					
Yes	7.6	1.5	0.9	0.7	10.1
No	99.4	22.9	16.2	6.7	0.7
Energy-Intensive Activity					
Yes	1.7	0.5	Q	Q	23.9
No	105.2	24.0	16.8	7.2	NE
Someone Home All Day					
Yes	53.0	11.8	8.3	3.5	3.8
No	53.9	12.7	8.7	3.9	3.6
Heating					
Heat Home	106.0	24.5	17.1	7.4	NE
Do Not Heat Home	1.0	Q	Q	Q	19.0
No Heating Equipment	0.5	Q	Q	Q	37.6
Have Equipment But Do Not Use It	0.4	Q	Q	Q	36.8
Adequacy of Insulation					
Well Insulated	42.6	10.5	7.3	3.2	3.2
Adequately Insulated	43.1	9.5	6.6	2.9	3.3
Poorly Insulated	19.4	4.1	3.0	1.1	8.9
No Insulation	0.9	0.2	Q	Q	34.2
Don't Know	0.9	Q	Q	Q	31.8
Occurrences of Drafts During Winter					
Never	5.9	1.4	1.0	0.4	14.8
Some of the Time	6.4	1.3	0.9	0.4	18.2
Most of the Time	34.6	8.4	6.1	2.3	5.2
All of the Time	55.3	12.3	8.4	3.9	2.6
Don't Know	4.7	1.2	0.7	0.5	10.7
Thermostat					
Heat Home	106.0	24.5	17.1	7.4	NE
Thermostat Available During Heating Season	91.5	22.6	15.6	7.0	1.6
Programmable ¹					
Yes	25.1	7.1	4.8	2.3	10.3
No	66.4	15.5	10.8	4.7	4.2
No Thermostat	14.5	1.9	1.5	0.4	16.6
Do Not Heat Home	1.0	Q	Q	Q	19.0
Lower Winter Temperature Settings¹					
Daytime When No One is at Home					
Yes	47.2	10.2	6.9	3.3	5.0
No	48.5	12.1	8.7	3.4	4.2
Unknown	10.3	2.1	1.5	0.7	9.5
During Sleeping Hours					
Yes	45.7	9.4	6.3	3.1	4.9
No	51.1	13.1	9.5	3.6	4.1
Unknown	9.2	2.0	1.3	0.7	10.5

See footnotes at end of table.

**Table HC6-10a. Usage Indicators by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Daytime Winter Temperature When Someone is at Home¹					
Heat Turned On	96.8	22.5	15.8	6.7	1.0
63 Degrees or Less	3.9	0.8	0.7	0.2	20.7
64 to 66 Degrees	8.4	1.4	1.0	0.4	10.0
67 to 69 Degrees	23.6	6.4	4.4	2.0	6.0
70 Degrees	25.7	5.8	4.1	1.7	7.1
71 to 73 Degrees	16.5	4.4	3.1	1.3	6.5
74 Degrees or More	18.6	3.6	2.4	1.2	10.1
Heat Turned Off	2.0	Q	Q	Q	20.1
Unknown/No Answer	7.2	1.9	1.2	0.7	11.9
Daytime Winter Temperature When No One is at Home¹					
Heat Turned On	87.6	22.2	15.5	6.7	1.1
63 Degrees or Less	17.7	3.8	2.5	1.3	8.8
64 to 66 Degrees	17.2	4.6	3.2	1.4	8.7
67 to 69 Degrees	19.1	5.6	3.9	1.8	8.4
70 Degrees	15.1	3.7	2.9	0.8	8.8
71 to 73 Degrees	8.7	2.6	1.9	0.7	8.1
74 Degrees or More	9.8	1.8	1.1	0.7	16.3
Heat Turned Off	10.5	0.3	0.2	Q	19.6
Unknown/No Answer	8.0	2.0	1.4	0.7	10.6
Winter Temperature During Sleeping Hours¹					
Heat Turned On	91.8	22.5	15.8	6.7	0.9
63 Degrees or Less	15.4	2.7	1.8	0.8	12.7
64 to 66 Degrees	17.4	4.1	2.8	1.3	7.9
67 to 69 Degrees	21.0	6.6	4.5	2.1	6.3
70 Degrees	17.4	4.4	3.4	1.1	7.3
71 to 73 Degrees	9.5	2.6	1.9	0.7	12.0
74 Degrees or More	11.1	2.1	1.4	0.7	12.9
Heat Turned Off	7.1	Q	Q	Q	12.7
Unknown/No Answer	7.1	1.9	1.2	0.7	11.4
Air-Conditioning					
Central Air-Conditioning					
Use a Central System	58.6	14.4	9.6	4.8	3.8
All Summer	28.4	4.4	2.4	2.0	9.4
Quite a Bit	12.1	3.9	3.0	0.9	9.6
Only a Few Times	16.8	6.0	4.2	1.9	7.0
Not at All	1.4	Q	Q	Q	27.2
No Central System	48.4	10.1	7.5	2.6	5.5
Window/Wall Air-Conditioning					
Use Window/Wall Units	25.1	6.2	4.1	2.1	7.3
All Summer	4.9	1.1	0.6	0.5	17.2
Quite a Bit	5.2	1.1	0.8	0.3	17.3
Only a Few Times	14.1	3.8	2.6	1.2	7.8
Not at All	0.9	Q	Q	Q	31.7
No Window/Wall Units	81.9	18.3	13.0	5.3	2.4

See footnotes at end of table.

**Table HC6-10a. Usage Indicators by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Hot Water					
Dishwasher Use Each Week					
Use a Dishwasher	56.7	12.1	8.0	4.2	4.8
Less Than Once a Week	9.4	1.5	0.8	0.7	11.5
Once Each Week	7.5	1.6	1.2	0.4	15.4
2 to 3 Times	17.8	3.7	2.7	1.1	12.2
4 to 6 Times	11.7	2.5	1.5	1.1	11.8
At Least Once Each Day	10.4	2.8	1.8	1.0	11.3
No Dishwasher	50.3	12.3	9.1	3.2	5.1
Loads of Laundry Washed Each Week					
Use a Clothes Washer	84.1	19.8	13.4	6.4	2.0
1 Load or Less	6.8	1.3	0.9	0.3	12.8
2 to 9 Loads	65.1	14.6	9.9	4.7	3.0
10 to 15 Loads	9.6	3.0	2.0	1.0	8.7
More than 15 Loads	2.7	0.9	0.6	0.3	15.1
No Washing Machine	22.9	4.7	3.7	1.0	8.5
Water Temperature Setting for Clothes Washer					
Wash Cycle					
Hot	6.2	1.4	1.1	0.2	10.3
Warm	49.7	12.6	8.4	4.2	3.3
Cold	28.2	5.8	3.9	1.9	6.0
Rinse Cycle					
Hot	1.4	Q	Q	Q	33.9
Warm	16.6	4.3	3.1	1.2	6.5
Cold	66.1	15.3	10.2	5.1	2.9
No Washing Machine	22.9	4.7	3.7	1.0	8.5
Clothes Dryer					
Use a Clothes Dryer	78.8	19.2	13.0	6.2	2.1
Every Time Clothes are Washed	63.5	15.5	10.7	4.8	3.0
Some, but not All, Loads	12.7	3.2	1.9	1.3	7.9
Used Infrequently	2.7	0.6	0.4	Q	25.4
No Clothes Dryer	28.2	5.3	4.1	1.2	7.7
Cooking					
Number of Hot Meals Cooked in the Home					
3 or More Times a Day	7.5	2.0	1.4	0.6	13.6
2 Times a Day	26.8	5.9	4.2	1.7	5.9
Once a Day	43.3	10.3	7.0	3.3	4.9
A Few Times Each Week	21.7	4.7	3.4	1.3	9.0
About Once a Week	4.0	0.9	0.6	0.3	22.1
Less Than Once a Week	2.4	0.4	0.3	Q	23.5
No Hot Meals Cooked	1.2	0.3	Q	Q	42.8
Conventional Oven					
Use a Conventional Oven	99.4	23.6	16.5	7.1	0.8
More Than Once a Day	8.6	2.0	1.6	0.4	9.6
Once a Day	17.4	4.2	2.8	1.4	7.8
Between Once a Day and					
Once a Week	33.1	8.6	6.1	2.5	6.0
Once a Week	15.6	3.9	2.9	1.0	8.2
Less Than Once a Week	24.6	4.8	3.0	1.7	6.5
Do Not Use	7.6	0.9	0.6	0.3	18.4

See footnotes at end of table.

**Table HC6-10a. Usage Indicators by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Microwave Oven					
Use a Microwave Oven	92.1	22.3	15.4	6.9	1.1
Most or All	8.2	1.8	1.2	0.6	10.5
About Half	19.3	5.7	4.1	1.6	6.7
Some or Very Little	22.4	5.5	4.0	1.4	7.1
For Defrosting, Reheating, or Snacks	42.2	9.3	6.0	3.3	4.5
No Microwave Oven	14.8	2.2	1.7	0.5	10.2
Electric Coffee Maker					
Use an Electric Coffee Maker	65.5	16.1	11.0	5.1	2.5
Three or More Times a Day	2.4	0.5	0.4	Q	22.7
Two Times a Day	5.9	1.1	0.9	0.2	20.9
Once a Day	33.6	8.3	5.7	2.6	4.4
A Few Times Each Week	9.4	2.2	1.5	0.7	7.7
About Once a Week	5.2	1.5	1.0	0.5	16.0
Less than Once a Week	9.0	2.5	1.6	1.0	9.3
No Electric Coffee Maker	41.5	8.3	6.1	2.3	4.8
Time Electric Coffee Maker is Left On					
Turned Off Right Away	18.8	3.9	2.7	1.2	8.0
Less than 15 Minutes	10.0	1.9	1.4	0.6	7.8
15 Minutes to 1 Hour	24.6	6.7	4.5	2.2	6.1
More than 1 Hour	12.1	3.7	2.5	1.2	8.4
Electric Toaster					
Use a Electric Toaster	36.1	5.5	3.8	1.7	6.1
Three or More Times a Day	1.0	Q	Q	Q	31.5
Two Times a Day	2.7	0.4	0.3	Q	18.8
Once a Day	8.2	1.1	0.7	0.4	14.1
A Few Times Each Week	11.9	1.8	1.3	0.5	11.1
About Once a Week	4.3	0.6	0.3	0.3	18.7
Less than Once a Week	7.9	1.5	1.1	0.4	10.4
No Electric Toaster	70.9	19.0	13.3	5.7	2.0
Lights					
Indoor Lights Turned On:					
1 to 4 Hours per Day					
None	10.2	2.6	1.8	0.9	13.5
1	30.1	7.2	5.2	1.9	5.9
2	30.7	6.8	4.7	2.0	6.1
3	16.6	3.5	2.5	1.0	8.0
4	10.5	2.5	1.6	0.9	15.3
5 or More	8.8	1.9	1.2	0.7	16.1
Between 4 and 12 Hours per Day					
None	30.2	7.2	4.9	2.3	11.6
1	25.2	5.3	3.6	1.6	6.5
2	25.5	5.4	3.8	1.6	8.1
3	12.7	3.4	2.4	1.0	10.3
4	7.2	1.7	1.3	0.4	7.1
5 or More	6.2	1.5	1.0	0.5	13.8
More than 12 Hours per Day					
None	81.1	19.4	13.3	6.1	2.8
1	14.4	3.0	2.4	0.6	11.4
2	6.8	1.3	0.8	0.4	20.5
3	2.4	0.4	0.3	Q	23.5
4	1.3	Q	Q	Q	27.7
5 or More	1.1	0.2	Q	Q	27.4

See footnotes at end of table.

**Table HC6-10a. Usage Indicators by Midwest Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Outdoor Lights on All Night					
Used	24.5	5.3	3.9	1.4	8.1
Not Used	82.5	19.2	13.2	6.0	2.2
Gas Fireplace					
Use a Gas Fireplace During Winter Months ..	3.7	0.7	0.6	Q	20.7
Most Days	1.3	0.2	Q	Q	33.1
Almost Once a Week	1.1	Q	Q	Q	33.5
Less Than 4 Times a Month	1.2	0.3	Q	Q	30.7
Use a Personal Computer	60.0	14.1	9.9	4.2	3.7
Hours PC Turned On Each Week					
Less Than 2 Hours	10.3	2.5	1.8	0.7	10.6
2 to 15 Hours	26.3	5.8	4.0	1.8	6.3
16 to 40 Hours	12.2	2.8	2.2	0.6	10.0
More than 40 Hours	5.7	1.4	0.8	0.6	16.5
On All The Time	5.6	1.5	1.1	0.5	12.4
Use of PCs Turned on 16 Hours a Week or More					
Personal Use Only	14.0	4.0	2.8	1.2	8.8
Business Use Only	2.1	0.3	Q	Q	24.9
Both Personal and Business	7.3	1.5	1.0	0.5	13.8
Business Use of PCs Turned on 16 Hours a Week or More					
Use to Telecommute	3.6	0.6	0.4	Q	16.4
Other Business Use	5.8	1.1	0.8	0.4	16.3
Battery Operated Appliances/Tools					
Use Battery Operated Appliances/ Tools	47.7	12.5	8.7	3.7	3.2
How Maintained When Not in Use					
Plugged in All The Time	10.8	2.7	1.9	0.8	9.2
Recharged As Needed	33.8	8.8	6.2	2.6	3.6
Both Ways are Used	3.1	1.0	0.7	0.3	15.3
Don't Use Any	59.3	12.0	8.4	3.7	3.1

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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.

• See "Glossary" for definition of terms used in this report. • All temperatures listed are in degrees Fahrenheit.

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 HC6-11a. Usage Indicators by South Census Region,
Million U.S. Households, 2001**

Usage Indicators	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	1.5	
Total	107.0	38.9	20.3	6.8	11.8	NE
Weekday Home Activities						
Home Used for Business						
Yes	7.6	2.6	1.8	0.4	0.5	18.8
No	99.4	36.3	18.5	6.5	11.3	1.3
Energy-Intensive Activity						
Yes	1.7	0.4	Q	Q	Q	36.7
No	105.2	38.6	20.1	6.8	11.7	NE
Someone Home All Day						
Yes	53.0	19.0	9.4	3.8	5.8	3.0
No	53.9	19.9	11.0	3.1	5.9	3.1
Heating						
Heat Home	106.0	38.8	20.2	6.8	11.8	NE
Do Not Heat Home	1.0	Q	Q	Q	Q	20.6
No Heating Equipment	0.5	Q	Q	Q	Q	40.9
Have Equipment But Do Not Use It	0.4	Q	Q	Q	Q	40.0
Adequacy of Insulation						
Well Insulated	42.6	15.8	8.3	3.0	4.5	4.9
Adequately Insulated	43.1	16.3	8.5	2.7	5.1	4.9
Poorly Insulated	19.4	6.4	3.2	1.1	2.1	6.3
No Insulation	0.9	Q	Q	Q	Q	31.5
Don't Know	0.9	Q	Q	Q	Q	34.6
Occurrences of Drafts During Winter						
Never	5.9	1.9	0.9	0.3	0.7	16.0
Some of the Time	6.4	2.0	1.1	0.2	0.7	13.5
Most of the Time	34.6	11.5	6.3	1.7	3.4	7.1
All of the Time	55.3	21.9	11.2	4.3	6.3	4.5
Don't Know	4.7	1.7	0.8	0.3	0.6	15.2
Thermostat						
Heat Home	106.0	38.8	20.2	6.8	11.8	NE
Thermostat Available During Heating Season	91.5	34.3	18.2	5.9	10.2	1.7
Programmable ¹						
Yes	25.1	6.9	3.5	0.8	2.5	10.6
No	66.4	27.4	14.6	5.1	7.7	3.7
No Thermostat	14.5	4.5	2.0	0.9	1.6	11.5
Do Not Heat Home	1.0	Q	Q	Q	Q	20.6
Lower Winter Temperature Settings¹						
Daytime When No One is at Home						
Yes	47.2	16.4	8.7	2.6	5.2	5.3
No	48.5	18.8	9.9	3.7	5.2	5.5
Unknown	10.3	3.5	1.5	0.5	1.4	14.1
During Sleeping Hours						
Yes	45.7	14.8	7.6	2.4	4.9	5.1
No	51.1	20.9	11.2	4.0	5.7	4.3
Unknown	9.2	3.1	1.4	0.5	1.2	14.6

See footnotes at end of table.

**Table HC6-11a. Usage Indicators by South Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Daytime Winter Temperature When Someone is at Home¹						
Heat Turned On	96.8	35.7	18.9	6.3	10.5	1.4
63 Degrees or Less	3.9	0.7	0.4	0.2	Q	21.9
64 to 66 Degrees	8.4	2.0	1.2	0.3	0.5	17.5
67 to 69 Degrees	23.6	6.7	3.7	1.3	1.7	6.3
70 Degrees	25.7	9.5	5.4	1.6	2.4	7.8
71 to 73 Degrees	16.5	6.7	3.6	1.2	1.9	9.8
74 Degrees or More	18.6	10.1	4.5	1.6	4.0	6.8
Heat Turned Off	2.0	0.5	Q	Q	Q	27.7
Unknown/No Answer	7.2	2.6	1.0	0.4	1.1	15.9
Daytime Winter Temperature When No One is at Home¹						
Heat Turned On	87.6	32.8	17.4	5.8	9.6	2.8
63 Degrees or Less	17.7	5.3	2.9	0.7	1.7	14.0
64 to 66 Degrees	17.2	5.4	3.2	0.8	1.3	10.3
67 to 69 Degrees	19.1	6.4	3.4	1.4	1.6	9.6
70 Degrees	15.1	6.2	3.2	1.1	1.9	9.1
71 to 73 Degrees	8.7	3.6	1.9	0.9	0.8	11.0
74 Degrees or More	9.8	5.9	2.8	0.9	2.3	10.5
Heat Turned Off	10.5	3.1	1.5	0.5	1.1	21.3
Unknown/No Answer	8.0	2.8	1.3	0.5	1.1	13.6
Winter Temperature During Sleeping Hours¹						
Heat Turned On	91.8	34.9	18.3	6.2	10.4	1.7
63 Degrees or Less	15.4	4.1	2.2	0.5	1.4	14.7
64 to 66 Degrees	17.4	5.4	3.1	0.9	1.3	8.9
67 to 69 Degrees	21.0	6.8	3.5	1.4	2.0	7.0
70 Degrees	17.4	7.5	4.0	1.5	2.0	7.5
71 to 73 Degrees	9.5	4.6	2.6	0.9	1.0	11.1
74 Degrees or More	11.1	6.5	2.9	0.9	2.7	10.5
Heat Turned Off	7.1	1.4	0.7	0.2	0.5	21.7
Unknown/No Answer	7.1	2.5	1.1	0.5	1.0	15.8
Air-Conditioning						
Central Air-Conditioning						
Use a Central System	58.6	30.7	16.4	5.1	9.3	2.6
All Summer	28.4	20.7	10.3	3.5	6.9	4.5
Quite a Bit	12.1	5.5	3.0	0.8	1.7	8.7
Only a Few Times	16.8	4.1	2.8	0.7	0.6	11.0
Not at All	1.4	0.5	0.4	Q	Q	30.9
No Central System	48.4	8.2	3.9	1.8	2.5	7.5
Window/Wall Air-Conditioning						
Use Window/Wall Units	25.1	7.0	3.2	1.5	2.4	8.8
All Summer	4.9	2.5	0.9	0.7	1.0	14.4
Quite a Bit	5.2	1.9	0.9	0.3	0.7	16.2
Only a Few Times	14.1	2.5	1.4	0.5	0.7	13.9
Not at All	0.9	Q	Q	Q	Q	34.4
No Window/Wall Units	81.9	31.9	17.2	5.3	9.4	2.1

See footnotes at end of table.

**Table HC6-11a. Usage Indicators by South Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Hot Water						
Dishwasher Use Each Week						
Use a Dishwasher	56.7	22.1	11.7	3.5	6.9	3.5
Less Than Once a Week	9.4	3.9	2.3	0.4	1.2	10.5
Once Each Week	7.5	2.8	1.6	0.5	0.7	16.5
2 to 3 Times	17.8	6.6	3.3	0.9	2.4	8.0
4 to 6 Times	11.7	4.9	2.7	0.9	1.3	10.0
At Least Once Each Day	10.4	3.9	1.8	0.7	1.3	11.7
No Dishwasher	50.3	16.9	8.6	3.4	4.9	4.3
Loads of Laundry Washed Each Week						
Use a Clothes Washer	84.1	32.7	17.2	5.9	9.6	2.5
1 Load or Less	6.8	2.2	1.6	0.3	0.3	14.2
2 to 9 Loads	65.1	25.9	13.7	4.6	7.7	2.7
10 to 15 Loads	9.6	3.6	1.5	0.7	1.3	9.7
More than 15 Loads	2.7	1.0	0.3	0.3	0.3	22.8
No Washing Machine	22.9	6.2	3.1	0.9	2.2	12.5
Water Temperature Setting for Clothes Washer						
Wash Cycle						
Hot	6.2	2.3	1.2	0.4	0.7	12.0
Warm	49.7	17.3	8.5	3.0	5.8	5.0
Cold	28.2	13.0	7.5	2.4	3.1	6.0
Rinse Cycle						
Hot	1.4	0.6	0.3	Q	Q	35.1
Warm	16.6	6.0	3.2	1.2	1.5	10.7
Cold	66.1	26.1	13.6	4.6	7.9	3.5
No Washing Machine	22.9	6.2	3.1	0.9	2.2	12.5
Clothes Dryer						
Use a Clothes Dryer	78.8	30.3	15.5	5.6	9.2	2.9
Every Time Clothes are Washed	63.5	25.3	12.7	4.6	8.0	3.4
Some, but not All, Loads	12.7	4.2	2.4	0.8	1.1	10.4
Used Infrequently	2.7	0.7	0.4	0.2	Q	21.4
No Clothes Dryer	28.2	8.7	4.8	1.2	2.6	10.0
Cooking						
Number of Hot Meals Cooked in the Home						
3 or More Times a Day	7.5	2.4	1.3	Q	1.0	15.3
2 Times a Day	26.8	9.7	5.5	1.7	2.5	8.1
Once a Day	43.3	14.7	7.6	2.6	4.5	5.6
A Few Times Each Week	21.7	8.8	4.4	1.6	2.7	6.9
About Once a Week	4.0	2.0	1.1	0.4	0.4	12.7
Less Than Once a Week	2.4	1.1	Q	0.4	0.5	18.7
No Hot Meals Cooked	1.2	0.3	Q	Q	Q	38.2
Conventional Oven						
Use a Conventional Oven	99.4	35.0	18.9	6.1	10.0	1.9
More Than Once a Day	8.6	3.6	2.1	0.7	0.8	14.4
Once a Day	17.4	6.8	3.6	1.5	1.6	8.0
Between Once a Day and Once a Week	33.1	11.2	5.8	2.2	3.3	5.9
Once a Week	15.6	5.6	3.0	0.7	1.9	8.0
Less Than Once a Week	24.6	7.9	4.4	1.1	2.4	10.2
Do Not Use	7.6	3.9	1.4	0.7	1.8	16.7

See footnotes at end of table.

**Table HC6-11a. Usage Indicators by South Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Microwave Oven						
Use a Microwave Oven	92.1	34.7	17.9	6.2	10.6	1.6
Most or All	8.2	2.8	1.5	0.4	0.9	12.9
About Half	19.3	6.4	3.4	0.9	2.1	9.5
Some or Very Little	22.4	8.7	4.5	1.5	2.7	7.0
For Defrosting, Reheating, or Snacks	42.2	16.7	8.5	3.3	4.9	5.5
No Microwave Oven	14.8	4.2	2.4	0.6	1.2	13.1
Electric Coffee Maker						
Use an Electric Coffee Maker	65.5	23.0	11.3	4.5	7.2	3.5
Three or More Times a Day	2.4	0.8	0.3	0.2	0.3	18.7
Two Times a Day	5.9	2.2	0.9	0.6	0.7	12.9
Once a Day	33.6	12.3	5.9	2.1	4.3	5.4
A Few Times Each Week	9.4	3.3	1.9	0.6	0.8	10.8
About Once a Week	5.2	1.5	0.8	0.3	0.4	15.5
Less than Once a Week	9.0	2.9	1.5	0.7	0.7	8.6
No Electric Coffee Maker	41.5	15.9	9.0	2.3	4.6	5.4
Time Electric Coffee Maker is Left On						
Turned Off Right Away	18.8	5.9	2.9	1.3	1.8	7.5
Less than 15 Minutes	10.0	3.8	2.2	0.5	1.1	11.0
15 Minutes to 1 Hour	24.6	9.7	4.7	1.9	3.1	6.2
More than 1 Hour	12.1	3.6	1.5	0.9	1.2	8.1
Electric Toaster						
Use a Electric Toaster	36.1	14.7	7.4	2.3	5.0	5.3
Three or More Times a Day	1.0	0.5	Q	Q	Q	30.5
Two Times a Day	2.7	1.2	0.5	0.2	0.4	21.9
Once a Day	8.2	3.2	1.9	0.4	0.9	12.9
A Few Times Each Week	11.9	5.1	2.7	0.6	1.8	8.7
About Once a Week	4.3	1.6	0.7	0.3	0.5	15.2
Less than Once a Week	7.9	3.2	1.3	0.6	1.3	10.0
No Electric Toaster	70.9	24.3	13.0	4.5	6.8	3.0
Lights						
Indoor Lights Turned On:						
1 to 4 Hours per Day						
None	10.2	3.6	2.0	0.8	0.8	13.2
1	30.1	11.0	5.4	2.0	3.6	7.1
2	30.7	10.7	5.6	1.6	3.5	7.8
3	16.6	6.1	3.5	1.1	1.6	10.3
4	10.5	3.9	2.2	0.5	1.1	13.4
5 or More	8.8	3.6	1.6	0.8	1.2	12.7
Between 4 and 12 Hours per Day						
None	30.2	8.7	4.4	1.2	3.1	8.6
1	25.2	9.6	4.5	1.8	3.3	7.4
2	25.5	9.7	5.3	1.9	2.5	6.6
3	12.7	5.1	3.1	0.9	1.0	10.2
4	7.2	3.3	1.7	0.7	1.0	12.0
5 or More	6.2	2.6	1.4	0.4	0.8	18.3
More than 12 Hours per Day						
None	81.1	26.1	13.8	4.4	7.9	4.0
1	14.4	6.1	2.8	1.4	1.9	9.6
2	6.8	3.8	1.8	0.8	1.3	12.0
3	2.4	1.3	0.8	Q	0.4	31.7
4	1.3	0.9	0.6	Q	0.3	21.3
5 or More	1.1	0.6	0.5	Q	Q	16.9

See footnotes at end of table.

**Table HC6-11a. Usage Indicators by South Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	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	1.5	
Outdoor Lights on All Night						
Used	24.5	10.7	5.1	1.9	3.7	7.6
Not Used	82.5	28.2	15.2	4.9	8.1	2.8
Gas Fireplace						
Use a Gas Fireplace During Winter Months ..	3.7	1.4	0.7	0.3	0.4	14.9
Most Days	1.3	0.6	0.4	Q	Q	34.2
Almost Once a Week	1.1	0.5	Q	Q	Q	33.1
Less Than 4 Times a Month	1.2	0.4	Q	Q	Q	28.2
Use a Personal Computer	60.0	20.7	11.7	3.2	5.8	4.0
Hours PC Turned On Each Week						
Less Than 2 Hours	10.3	3.8	2.2	0.6	0.9	12.4
2 to 15 Hours	26.3	8.8	4.9	1.3	2.6	6.6
16 to 40 Hours	12.2	3.9	2.1	0.8	1.0	13.6
More than 40 Hours	5.7	2.0	1.3	Q	0.6	12.6
On All The Time	5.6	2.2	1.1	0.4	0.6	16.5
Use of PCs Turned on 16 Hours a Week or More						
Personal Use Only	14.0	4.5	2.2	0.8	1.4	10.9
Business Use Only	2.1	0.9	0.4	0.2	Q	20.6
Both Personal and Business	7.3	2.7	1.9	0.3	0.5	15.3
Business Use of PCs Turned on 16 Hours a Week or More						
Use to Telecommute	3.6	1.5	1.0	0.2	0.4	24.7
Other Business Use	5.8	2.1	1.4	0.3	0.4	14.3
Battery Operated Appliances/Tools						
Use Battery Operated Appliances/ Tools	47.7	16.5	9.0	2.8	4.7	4.7
How Maintained When Not in Use						
Plugged in All The Time	10.8	4.1	2.0	0.8	1.3	11.8
Recharged As Needed	33.8	11.5	6.5	1.9	3.2	5.6
Both Ways are Used	3.1	0.8	0.5	Q	Q	21.1
Don't Use Any	59.3	22.5	11.3	4.0	7.1	3.4

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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.

• See "Glossary" for definition of terms used in this report. • All temperatures listed are in degrees Fahrenheit.

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 HC6-12a. Usage Indicators by West Census Region,
Million U.S. Households, 2001**

Usage Indicators	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.6	1.2	
Total	107.0	23.3	6.7	16.6	NE
Weekday Home Activities					
Home Used for Business					
Yes	7.6	1.9	0.7	1.2	11.9
No	99.4	21.4	6.0	15.4	1.1
Energy-Intensive Activity					
Yes	1.7	0.4	0.2	0.2	21.9
No	105.2	22.9	6.5	16.4	NE
Someone Home All Day					
Yes	53.0	11.9	3.3	8.6	3.6
No	53.9	11.3	3.4	7.9	3.7
Heating					
Heat Home	106.0	22.6	6.7	15.9	NE
Do Not Heat Home	1.0	0.7	Q	0.7	10.7
No Heating Equipment	0.5	0.4	Q	0.4	18.3
Have Equipment But Do Not Use It	0.4	0.2	Q	0.2	27.7
Adequacy of Insulation					
Well Insulated	42.6	7.9	2.6	5.3	5.6
Adequately Insulated	43.1	9.5	2.6	6.9	3.9
Poorly Insulated	19.4	5.2	1.4	3.8	7.7
No Insulation	0.9	0.4	Q	0.3	18.7
Don't Know	0.9	0.4	Q	0.3	25.2
Occurrences of Drafts During Winter					
Never	5.9	1.2	0.4	0.8	12.5
Some of the Time	6.4	1.7	0.6	1.1	11.4
Most of the Time	34.6	8.0	2.3	5.7	5.8
All of the Time	55.3	11.1	3.2	8.0	4.4
Don't Know	4.7	1.3	0.3	1.0	12.5
Thermostat					
Heat Home	106.0	22.6	6.7	15.9	NE
Thermostat Available During Heating Season	91.5	18.9	6.1	12.8	1.5
Programmable ¹					
Yes	25.1	6.1	1.0	5.2	10.7
No	66.4	12.8	5.1	7.7	4.7
No Thermostat	14.5	3.7	0.6	3.1	8.4
Do Not Heat Home	1.0	0.7	Q	0.7	10.7
Lower Winter Temperature Settings¹					
Daytime When No One is at Home					
Yes	47.2	13.0	3.4	9.7	2.6
No	48.5	6.3	2.7	3.6	5.0
Unknown	10.3	3.3	0.6	2.7	7.2
During Sleeping Hours					
Yes	45.7	12.7	3.1	9.6	3.5
No	51.1	7.1	3.1	4.1	5.0
Unknown	9.2	2.8	0.6	2.3	7.8

See footnotes at end of table.

**Table HC6-12a. Usage Indicators by West Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.6	1.2	
Daytime Winter Temperature When Someone is at Home¹					
Heat Turned On	96.8	19.6	6.1	13.5	1.1
63 Degrees or Less	3.9	1.6	0.4	1.2	12.7
64 to 66 Degrees	8.4	2.5	0.6	2.0	9.6
67 to 69 Degrees	23.6	4.7	1.4	3.4	7.2
70 Degrees	25.7	5.3	1.6	3.7	5.9
71 to 73 Degrees	16.5	2.4	1.0	1.5	8.4
74 Degrees or More	18.6	3.0	1.2	1.8	8.3
Heat Turned Off	2.0	1.4	0.2	1.2	10.9
Unknown/No Answer	7.2	1.6	0.4	1.2	11.8
Daytime Winter Temperature When No One is at Home¹					
Heat Turned On	87.6	13.9	5.7	8.2	2.8
63 Degrees or Less	17.7	4.7	1.4	3.2	7.8
64 to 66 Degrees	17.2	3.2	1.4	1.8	6.7
67 to 69 Degrees	19.1	2.3	1.0	1.3	11.1
70 Degrees	15.1	1.9	0.9	1.1	11.0
71 to 73 Degrees	8.7	0.9	0.5	0.4	11.5
74 Degrees or More	9.8	0.9	0.5	0.3	16.6
Heat Turned Off	10.5	7.0	0.6	6.4	8.7
Unknown/No Answer	8.0	1.8	0.4	1.4	11.2
Winter Temperature During Sleeping Hours¹					
Heat Turned On	91.8	15.6	6.0	9.6	2.1
63 Degrees or Less	15.4	5.1	1.3	3.8	8.0
64 to 66 Degrees	17.4	3.6	1.3	2.3	7.3
67 to 69 Degrees	21.0	2.7	1.3	1.5	9.5
70 Degrees	17.4	2.1	0.8	1.3	8.1
71 to 73 Degrees	9.5	0.7	0.4	0.3	12.8
74 Degrees or More	11.1	1.3	0.9	0.4	13.1
Heat Turned Off	7.1	5.5	0.3	5.2	7.6
Unknown/No Answer	7.1	1.5	0.4	1.1	11.2
Air-Conditioning					
Central Air-Conditioning					
Use a Central System	58.6	7.8	2.7	5.0	8.2
All Summer	28.4	1.7	1.3	0.4	12.9
Quite a Bit	12.1	1.4	0.6	0.8	15.7
Only a Few Times	16.8	3.9	0.7	3.2	14.1
Not at All	1.4	0.8	Q	0.6	18.5
No Central System	48.4	15.5	4.0	11.5	5.4
Window/Wall Air-Conditioning					
Use Window/Wall Units	25.1	3.0	0.7	2.3	9.5
All Summer	4.9	0.2	Q	Q	24.1
Quite a Bit	5.2	0.5	0.2	0.3	22.6
Only a Few Times	14.1	1.9	0.4	1.5	10.8
Not at All	0.9	0.4	Q	0.3	18.3
No Window/Wall Units	81.9	20.3	6.0	14.2	1.6

See footnotes at end of table.

**Table HC6-12a. Usage Indicators by West Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.6	1.2	
Hot Water					
Dishwasher Use Each Week					
Use a Dishwasher	56.7	13.2	4.2	9.0	4.4
Less Than Once a Week	9.4	2.3	0.6	1.7	10.3
Once Each Week	7.5	1.9	0.6	1.4	9.9
2 to 3 Times	17.8	4.5	1.5	3.0	7.8
4 to 6 Times	11.7	2.6	0.7	1.8	9.8
At Least Once Each Day	10.4	1.9	0.9	1.1	9.5
No Dishwasher	50.3	10.1	2.5	7.6	5.8
Loads of Laundry Washed Each Week					
Use a Clothes Washer	84.1	16.9	5.3	11.6	3.4
1 Load or Less	6.8	1.9	0.5	1.4	10.8
2 to 9 Loads	65.1	13.1	4.2	8.9	3.8
10 to 15 Loads	9.6	1.6	0.5	1.1	12.1
More than 15 Loads	2.7	0.4	0.2	Q	20.1
No Washing Machine	22.9	6.4	1.4	5.0	10.5
Water Temperature Setting for Clothes Washer					
Wash Cycle					
Hot	6.2	1.1	0.3	0.8	14.5
Warm	49.7	10.5	3.4	7.1	4.9
Cold	28.2	5.4	1.7	3.7	5.5
Rinse Cycle					
Hot	1.4	0.2	Q	Q	31.6
Warm	16.6	3.2	1.0	2.2	10.3
Cold	66.1	13.5	4.3	9.2	4.2
No Washing Machine	22.9	6.4	1.4	5.0	10.5
Clothes Dryer					
Use a Clothes Dryer	78.8	16.0	5.0	11.1	3.8
Every Time Clothes are Washed	63.5	12.9	3.9	9.1	4.3
Some, but not All, Loads	12.7	2.5	0.9	1.6	8.8
Used Infrequently	2.7	0.7	0.2	0.4	15.0
No Clothes Dryer	28.2	7.3	1.8	5.5	9.2
Cooking					
Number of Hot Meals Cooked in the Home					
3 or More Times a Day	7.5	1.9	0.7	1.2	12.3
2 Times a Day	26.8	6.6	2.1	4.6	4.2
Once a Day	43.3	9.4	2.9	6.5	4.6
A Few Times Each Week	21.7	4.1	0.7	3.4	8.7
About Once a Week	4.0	0.7	Q	0.5	11.6
Less Than Once a Week	2.4	0.3	Q	0.2	23.1
No Hot Meals Cooked	1.2	0.3	Q	Q	36.9
Conventional Oven					
Use a Conventional Oven	99.4	21.4	6.3	15.1	1.2
More Than Once a Day	8.6	1.5	0.6	0.9	14.4
Once a Day	17.4	3.1	1.0	2.1	10.0
Between Once a Day and					
Once a Week	33.1	6.8	2.0	4.9	5.6
Once a Week	15.6	3.3	1.1	2.3	7.0
Less Than Once a Week	24.6	6.7	1.8	5.0	6.5
Do Not Use	7.6	1.9	0.4	1.5	15.1

See footnotes at end of table.

**Table HC6-12a. Usage Indicators by West Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.6	1.2	
Microwave Oven					
Use a Microwave Oven	92.1	19.9	6.1	13.8	2.4
Most or All	8.2	2.3	0.6	1.7	10.5
About Half	19.3	4.5	1.3	3.2	8.7
Some or Very Little	22.4	4.6	1.4	3.2	7.2
For Defrosting, Reheating, or Snacks	42.2	8.4	2.8	5.7	5.3
No Microwave Oven	14.8	3.4	0.6	2.8	15.7
Electric Coffee Maker					
Use an Electric Coffee Maker	65.5	14.0	4.4	9.6	3.1
Three or More Times a Day	2.4	0.5	0.2	0.2	24.6
Two Times a Day	5.9	1.3	0.4	0.8	14.6
Once a Day	33.6	7.1	2.2	4.9	6.0
A Few Times Each Week	9.4	2.2	0.6	1.6	8.7
About Once a Week	5.2	1.1	0.4	0.7	16.0
Less than Once a Week	9.0	1.9	0.6	1.3	8.4
No Electric Coffee Maker	41.5	9.3	2.4	7.0	4.8
Time Electric Coffee Maker is Left On					
Turned Off Right Away	18.8	4.0	1.0	3.0	9.4
Less than 15 Minutes	10.0	2.1	0.4	1.7	9.5
15 Minutes to 1 Hour	24.6	4.8	1.9	2.9	6.5
More than 1 Hour	12.1	3.1	1.1	2.0	12.1
Electric Toaster					
Use a Electric Toaster	36.1	7.4	1.9	5.5	6.2
Three or More Times a Day	1.0	Q	Q	Q	31.5
Two Times a Day	2.7	0.4	Q	0.3	23.2
Once a Day	8.2	1.8	0.5	1.3	12.2
A Few Times Each Week	11.9	2.3	0.6	1.7	12.6
About Once a Week	4.3	1.1	0.2	0.9	12.1
Less than Once a Week	7.9	1.7	0.5	1.2	11.1
No Electric Toaster	70.9	16.0	4.9	11.1	2.9
Lights					
Indoor Lights Turned On:					
1 to 4 Hours per Day					
None	10.2	2.3	0.7	1.6	13.4
1	30.1	6.1	1.7	4.4	6.0
2	30.7	7.2	1.9	5.3	5.7
3	16.6	3.8	1.1	2.7	9.1
4	10.5	2.2	0.7	1.5	7.6
5 or More	8.8	1.7	0.5	1.2	13.2
Between 4 and 12 Hours per Day					
None	30.2	8.2	2.6	5.6	6.1
1	25.2	5.8	1.5	4.3	7.0
2	25.5	5.6	1.6	4.0	4.5
3	12.7	2.0	0.6	1.4	8.8
4	7.2	0.9	0.3	0.7	16.5
5 or More	6.2	0.8	0.3	0.6	15.9
More than 12 Hours per Day					
None	81.1	19.5	5.3	14.2	1.9
1	14.4	2.5	0.8	1.7	7.0
2	6.8	0.8	0.4	0.4	14.4
3	2.4	0.3	Q	Q	28.5
4	1.3	Q	Q	Q	27.8
5 or More	1.1	Q	Q	Q	24.0

See footnotes at end of table.

**Table HC6-12a. Usage Indicators by West Census Region,
Million U.S. Households, 2001 (Continued)**

Usage Indicators	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.6	1.2	
Outdoor Lights on All Night					
Used	24.5	5.2	1.7	3.4	8.8
Not Used	82.5	18.1	5.0	13.2	2.6
Gas Fireplace					
Use a Gas Fireplace During Winter Months ..	3.7	1.0	Q	0.8	17.7
Most Days	1.3	0.3	Q	0.2	35.2
Almost Once a Week	1.1	0.3	Q	0.2	28.2
Less Than 4 Times a Month	1.2	0.4	Q	0.3	26.6
Use a Personal Computer	60.0	14.3	4.0	10.4	3.7
Hours PC Turned On Each Week					
Less Than 2 Hours	10.3	2.4	0.6	1.8	10.5
2 to 15 Hours	26.3	6.3	1.8	4.6	4.7
16 to 40 Hours	12.2	3.2	0.8	2.4	10.9
More than 40 Hours	5.7	1.3	0.4	0.8	14.0
On All The Time	5.6	1.2	0.3	0.8	17.9
Use of PCs Turned on 16 Hours a Week or More					
Personal Use Only	14.0	3.3	1.0	2.4	9.9
Business Use Only	2.1	0.6	0.2	0.4	18.6
Both Personal and Business	7.3	1.7	0.4	1.2	12.2
Business Use of PCs Turned on 16 Hours a Week or More					
Use to Telecommute	3.6	0.7	0.2	0.5	16.0
Other Business Use	5.8	1.5	0.4	1.1	11.9
Battery Operated Appliances/Tools					
Use Battery Operated Appliances/ Tools	47.7	9.8	3.1	6.7	6.2
How Maintained When Not in Use					
Plugged in All The Time	10.8	1.7	0.4	1.3	10.6
Recharged As Needed	33.8	7.4	2.5	4.9	6.7
Both Ways are Used	3.1	0.6	0.2	0.5	18.6
Don't Use Any	59.3	13.5	3.6	9.9	4.7

¹ The 1.0 million households that do not heat their homes are not included in these categories.

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.

• See "Glossary" for definition of terms used in this report. • All temperatures listed are in degrees Fahrenheit.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2001 Residential Energy Consumption Survey.

2001 Housing Characteristics Tables

Home Office Equipment Tables

(Million U.S. Households; 12 pages, 123 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 HC7-1a. Home Office Equipment by Climate Zone,
Million U.S. Households, 2001**

Home Office Equipment	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:	0.4	1.9	1.1	1.2	1.1	1.0	
Total	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Households Using Office Equipment	96.2	8.4	26.2	21.1	19.0	21.5	7.8
Personal Computers²	60.0	5.7	16.7	13.1	12.1	12.6	7.4
Number of Desktop PCs							
1	45.1	4.2	12.8	9.6	8.8	9.6	7.8
2 or more	9.1	0.8	2.4	2.3	2.0	1.7	12.1
Number of Laptop PCs							
1	12.0	0.9	3.1	2.6	2.8	2.6	12.3
2 or more	2.2	Q	0.6	0.6	0.3	0.6	27.8
Have Access to Internet	50.7	4.7	14.5	10.9	10.0	10.5	7.6
Hours PCs Turned On Each Week							
Less than 2 hours	10.3	1.0	2.7	2.2	1.9	2.6	13.2
2 to 15 hours	26.3	2.3	7.5	5.7	5.5	5.3	8.9
16 to 40 hours	12.2	1.2	3.3	2.9	2.5	2.3	12.4
More than 40 hours	5.7	0.7	1.7	1.1	1.0	1.2	15.6
On All the time	5.6	0.5	1.5	1.2	1.1	1.2	17.2
How PC is Used							
15 hours a Week or Less	36.6	3.2	10.2	7.9	7.4	7.9	8.4
16 hours a Week or More	23.4	2.4	6.5	5.2	4.6	4.7	9.9
Personal Use Only	14.0	1.6	4.2	2.7	2.6	2.8	12.8
Business Use Only	2.1	0.3	0.4	0.5	0.5	0.4	20.8
Both Personal and Business	7.3	0.5	1.9	1.9	1.5	1.5	13.7
Business Use of PC							
Other Business Use	5.8	0.5	1.3	1.5	1.5	1.0	14.9
Used for Telecommuting	3.6	0.2	1.0	0.9	0.5	0.9	19.4
1 to 4 Days per Week	2.0	Q	0.7	0.6	0.2	0.3	27.1
5 to 7 Days per Week	1.6	Q	0.3	0.3	0.3	0.6	31.1
Printer							
Attached to PC	52.8	5.0	14.9	11.3	10.6	11.0	7.7
With Built-in Fax/Copier	12.6	0.8	3.5	3.2	2.4	2.7	11.4
Without Built-in Fax/Copier	40.2	4.2	11.4	8.1	8.2	8.3	8.7
Other Office Equipment							
Cell/Mobile Telephone	56.8	4.3	15.0	12.5	11.6	13.4	7.2
Cordless Telephone	81.5	7.4	22.4	17.6	16.1	17.9	7.8
Separate Facsimile Machine	11.0	0.6	2.7	2.3	2.8	2.7	12.0
Separate Photocopier	7.4	0.9	2.2	1.7	1.4	1.3	14.8
Telephone Answering Machine	65.7	6.2	19.3	14.9	12.5	12.7	7.0

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 These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC7-2a. Home Office Equipment by Year of Construction,
Million U.S. Households, 2001**

Home Office Equipment	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:	0.4	1.4	1.1	1.1	1.2	1.2	1.0	
Total	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
Households Using Office Equipment	96.2	14.9	16.7	17.0	12.2	13.0	22.4	4.4
Personal Computers²	60.0	11.0	11.6	10.3	7.2	7.8	12.0	5.3
Number of Desktop PCs								
1	45.1	8.0	9.0	7.7	5.3	6.1	9.1	5.8
2 or more	9.1	1.8	1.6	2.0	1.1	1.0	1.6	11.8
Number of Laptop PCs								
1	12.0	2.8	2.3	1.8	1.5	1.4	2.2	11.0
2 or more	2.2	0.9	0.5	Q	Q	Q	0.4	23.9
Have Access to Internet	50.7	9.3	10.1	8.8	6.1	6.7	9.7	5.7
Hours PCs Turned On Each Week								
Less than 2 hours	10.3	1.8	1.8	2.1	1.2	1.5	1.9	12.0
2 to 15 hours	26.3	4.6	5.1	4.4	3.3	3.4	5.5	7.5
16 to 40 hours	12.2	2.7	2.7	1.6	1.5	1.5	2.3	11.0
More than 40 hours	5.7	0.8	1.1	1.2	0.7	0.8	1.1	15.4
On All the time	5.6	1.1	0.9	1.0	0.6	0.6	1.3	16.3
How PC is Used								
15 hours a Week or Less	36.6	6.4	6.9	6.5	4.5	4.9	7.4	6.6
16 hours a Week or More	23.4	4.7	4.7	3.8	2.7	2.9	4.6	7.7
Personal Use Only	14.0	2.5	2.7	2.4	1.7	2.0	2.7	9.7
Business Use Only	2.1	0.5	0.4	0.3	0.3	0.2	0.4	23.6
Both Personal and Business	7.3	1.6	1.7	1.1	0.7	0.7	1.5	14.0
Business Use of PC								
Other Business Use	5.8	1.2	1.3	0.9	0.6	0.7	1.2	15.0
Used for Telecommuting	3.6	0.9	0.8	0.5	0.4	0.2	0.7	22.1
1 to 4 Days per Week	2.0	0.6	0.3	0.3	0.3	Q	0.4	27.0
5 to 7 Days per Week	1.6	0.4	0.4	Q	Q	Q	0.4	28.5
Printer								
Attached to PC	52.8	10.0	10.4	9.1	6.3	6.7	10.3	5.7
With Built-in Fax/Copier	12.6	2.6	2.1	2.1	1.6	1.7	2.5	11.0
Without Built-in Fax/Copier	40.2	7.4	8.3	7.0	4.7	5.0	7.8	6.2
Other Office Equipment								
Cell/Mobile Telephone	56.8	10.5	10.7	9.7	7.0	7.5	11.3	5.1
Cordless Telephone	81.5	13.4	14.8	13.8	10.2	10.9	18.4	4.8
Separate Facsimile Machine	11.0	2.2	2.3	2.0	1.5	1.1	2.0	11.0
Separate Photocopier	7.4	1.2	1.4	1.2	0.9	0.9	1.7	13.4
Telephone Answering Machine	65.7	10.5	11.8	11.2	8.5	8.7	15.0	4.9

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 These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC7-3a. Home Office Equipment by Household Income, Million U.S. Households, 2001

Home Office Equipment	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:	0.4	1.9	1.2	1.0	0.6	1.9	0.9	
Total	107.0	18.7	22.9	27.1	38.3	15.0	47.6	3.0
Households Using Office Equipment	96.2	13.2	19.8	25.5	37.7	10.7	38.8	3.2
Personal Computers²	60.0	3.7	8.7	16.0	31.6	3.7	17.4	4.6
Number of Desktop PCs								
1	45.1	2.8	7.1	12.8	22.4	2.8	13.6	5.1
2 or more	9.1	0.6	0.7	1.7	6.2	0.6	2.2	13.0
Number of Laptop PCs								
1	12.0	0.5	1.4	2.5	7.6	0.4	2.6	12.0
2 or more	2.2	Q	0.2	0.3	1.6	Q	0.4	30.7
Have Access to Internet	50.7	2.8	6.6	13.1	28.3	2.7	13.5	5.2
Hours PCs Turned On Each Week								
Less than 2 hours	10.3	0.8	2.1	3.1	4.3	0.7	3.7	10.6
2 to 15 hours	26.3	1.7	4.0	7.4	13.2	1.7	8.0	6.6
16 to 40 hours	12.2	0.5	1.2	3.1	7.4	0.6	3.0	10.9
More than 40 hours	5.7	0.4	0.5	1.4	3.4	0.4	1.4	16.2
On All the time	5.6	0.3	0.9	1.0	3.4	0.3	1.3	17.2
How PC is Used								
15 hours a Week or Less	36.6	2.5	6.1	10.5	17.4	2.4	11.7	5.6
16 hours a Week or More	23.4	1.3	2.6	5.5	14.2	1.3	5.7	8.2
Personal Use Only	14.0	1.0	1.7	3.9	7.4	0.9	4.1	10.0
Business Use Only	2.1	Q	Q	0.3	1.6	Q	0.3	24.4
Both Personal and Business	7.3	Q	0.7	1.3	5.1	0.3	1.4	16.0
Business Use of PC								
Other Business Use	5.8	0.2	0.6	1.0	4.0	0.3	1.2	17.1
Used for Telecommuting	3.6	Q	0.3	0.5	2.8	Q	0.4	25.4
1 to 4 Days per Week	2.0	Q	Q	0.2	1.7	Q	Q	32.6
5 to 7 Days per Week	1.6	Q	Q	0.3	1.1	Q	0.2	35.2
Printer								
Attached to PC	52.8	3.0	7.0	14.1	28.7	3.0	14.7	5.1
With Built-in Fax/Copier	12.6	0.5	1.3	3.0	7.7	0.5	3.1	11.3
Without Built-in Fax/Copier	40.2	2.5	5.6	11.0	21.0	2.4	11.6	5.6
Other Office Equipment								
Cell/Mobile Telephone	56.8	4.4	8.6	14.7	29.1	4.0	17.0	4.6
Cordless Telephone	81.5	10.1	15.7	21.4	34.2	8.4	31.7	3.5
Separate Facsimile Machine	11.0	0.4	1.0	2.6	7.0	0.4	2.3	12.6
Separate Photocopier	7.4	0.4	1.0	1.7	4.2	0.4	2.3	13.5
Telephone Answering Machine	65.7	7.0	11.9	17.6	29.1	5.3	22.7	3.8

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

² These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC7-4a. Home Office Equipment by Type of Housing Unit,
Million U.S. Households, 2001**

Home Office Equipment	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:	0.4	0.5	1.7	1.5	2.2	
Total	107.0	73.7	9.5	17.0	6.8	4.1
Households Using Office Equipment	96.2	68.2	8.5	13.8	5.8	4.5
Personal Computers ¹	60.0	46.4	4.1	6.8	2.7	5.9
Number of Desktop PCs						
1	45.1	34.4	3.3	5.2	2.2	6.3
2 or more	9.1	7.7	0.3	0.8	0.3	15.0
Number of Laptop PCs						
1	12.0	9.4	0.8	1.4	0.3	12.6
2 or more	2.2	1.9	Q	Q	Q	34.5
Have Access to Internet	50.7	39.6	3.3	5.8	2.0	6.4
Hours PCs Turned On Each Week						
Less than 2 hours	10.3	7.4	1.0	1.2	0.7	12.3
2 to 15 hours	26.3	20.8	1.5	2.9	1.1	8.1
16 to 40 hours	12.2	9.6	0.8	1.3	0.5	11.6
More than 40 hours	5.7	4.6	0.3	0.6	Q	18.0
On All the time	5.6	4.0	0.5	0.7	0.4	16.0
How PC is Used						
15 hours a Week or Less	36.6	28.2	2.5	4.1	1.7	7.1
16 hours a Week or More	23.4	18.2	1.6	2.6	1.0	9.3
Personal Use Only	14.0	10.6	1.0	1.7	0.7	10.8
Business Use Only	2.1	1.8	Q	0.2	Q	26.1
Both Personal and Business	7.3	5.9	0.5	0.7	0.2	15.4
Business Use of PC						
Other Business Use	5.8	4.6	0.3	0.8	0.2	17.1
Used for Telecommuting	3.6	3.1	0.3	0.2	Q	24.5
1 to 4 Days per Week	2.0	1.7	Q	Q	Q	36.7
5 to 7 Days per Week	1.6	1.4	Q	Q	Q	41.1
Printer						
Attached to PC	52.8	42.1	3.3	5.2	2.2	6.4
With Built-in Fax/Copier	12.6	10.3	0.7	1.2	0.4	11.5
Without Built-in Fax/Copier	40.2	31.8	2.6	4.0	1.8	7.3
Other Office Equipment						
Cell/Mobile Telephone	56.8	43.0	4.0	7.0	2.8	5.7
Cordless Telephone	81.5	59.6	6.4	10.6	4.8	4.8
Separate Facsimile Machine	11.0	9.4	0.6	0.7	0.3	15.3
Separate Photocopier	7.4	6.2	0.5	0.3	0.3	15.0
Telephone Answering Machine	65.7	48.6	5.2	8.6	3.3	5.1

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC7-5a. Home Office Equipment by Type of Owner-Occupied Housing Unit, Million U.S. Households, 2001

Home Office Equipment	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:	0.3	0.3	2.1	3.0	1.6	
Total	72.7	63.2	2.1	1.8	5.7	6.7
Households Using Office Equipment	67.5	59.0	2.0	1.7	4.8	7.0
Personal Computers ¹	45.7	41.1	1.3	0.9	2.4	8.6
Number of Desktop PCs						
1	34.1	30.5	1.0	0.7	1.9	9.7
2 or more	7.4	7.0	Q	Q	0.2	18.4
Number of Laptop PCs						
1	9.1	8.4	Q	0.2	0.3	17.9
2 or more	1.9	1.7	Q	Q	Q	48.1
Have Access to Internet	38.9	35.3	1.0	0.7	1.9	9.1
Hours PCs Turned On Each Week						
Less than 2 hours	7.7	6.6	0.4	Q	0.5	18.7
2 to 15 hours	20.4	18.4	0.4	0.4	1.0	11.8
16 to 40 hours	9.4	8.6	0.2	Q	0.4	16.5
More than 40 hours	4.3	4.0	Q	Q	Q	25.6
On All the time	4.0	3.5	Q	Q	0.3	25.0
How PC is Used						
15 hours a Week or Less	28.0	25.1	0.8	0.6	1.5	10.5
16 hours a Week or More	17.7	16.1	0.4	0.3	0.9	13.3
Personal Use Only	10.2	9.1	0.3	Q	0.6	15.9
Business Use Only	1.8	1.6	Q	Q	Q	35.9
Both Personal and Business	5.7	5.3	Q	Q	Q	24.1
Business Use of PC						
Other Business Use	4.6	4.2	Q	Q	0.2	24.9
Used for Telecommuting	2.9	2.7	Q	Q	Q	38.3
1 to 4 Days per Week	1.6	1.6	Q	Q	Q	39.6
5 to 7 Days per Week	1.3	1.2	Q	Q	Q	62.0
Printer						
Attached to PC	41.6	37.8	1.0	0.7	2.0	9.3
With Built-in Fax/Copier	10.4	9.4	0.4	0.3	0.3	14.9
Without Built-in Fax/Copier	31.2	28.4	0.7	0.5	1.7	11.4
Other Office Equipment						
Cell/Mobile Telephone	41.9	37.8	1.0	0.7	2.4	9.3
Cordless Telephone	58.8	52.0	1.4	1.3	4.1	7.6
Separate Facsimile Machine	9.3	8.5	0.3	Q	0.3	21.1
Separate Photocopier	6.3	5.6	0.3	Q	0.3	18.9
Telephone Answering Machine	48.6	43.3	1.4	1.1	2.8	8.7

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC7-6a. Home Office Equipment by Type of Rented Housing Unit, Million U.S. Households, 2001

Home Office Equipment	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:	0.5	0.8	1.0	0.9	3.0	
Total	34.3	10.5	7.4	15.2	1.1	6.9
Households Using Office Equipment	28.7	9.2	6.5	12.1	0.9	7.5
Personal Computers ¹	14.3	5.3	2.9	5.9	0.3	10.7
Number of Desktop PCs						
1	11.0	4.0	2.4	4.4	0.3	11.4
2 or more	1.7	0.7	0.2	0.7	Q	30.8
Number of Laptop PCs						
1	2.9	1.0	0.6	1.2	Q	20.5
2 or more	0.3	Q	Q	Q	Q	60.7
Have Access to Internet	11.8	4.3	2.3	5.1	Q	11.4
Hours PCs Turned On Each Week						
Less than 2 hours	2.7	0.8	0.6	1.1	Q	20.2
2 to 15 hours	5.9	2.3	1.1	2.5	Q	14.7
16 to 40 hours	2.7	1.0	0.6	1.1	Q	22.7
More than 40 hours	1.4	0.6	0.2	0.5	Q	31.8
On All the time	1.6	0.5	0.4	0.7	Q	27.3
How PC is Used						
15 hours a Week or Less	8.6	3.1	1.7	3.6	Q	12.9
16 hours a Week or More	5.8	2.1	1.2	2.3	Q	16.1
Personal Use Only	3.8	1.4	0.8	1.5	Q	18.5
Business Use Only	0.4	Q	Q	Q	Q	49.8
Both Personal and Business	1.6	0.6	0.3	0.7	Q	26.6
Business Use of PC						
Other Business Use	1.3	0.4	0.2	0.7	Q	30.5
Used for Telecommuting	0.7	0.3	Q	0.2	Q	53.3
1 to 4 Days per Week	0.4	Q	Q	Q	Q	82.3
5 to 7 Days per Week	0.3	Q	Q	Q	Q	54.7
Printer						
Attached to PC	11.2	4.3	2.3	4.4	Q	11.9
With Built-in Fax/Copier	2.3	0.9	0.4	0.9	Q	22.2
Without Built-in Fax/Copier	9.0	3.4	1.9	3.5	Q	12.9
Other Office Equipment						
Cell/Mobile Telephone	14.9	5.2	3.0	6.3	0.4	11.1
Cordless Telephone	22.7	7.7	5.0	9.3	0.7	8.2
Separate Facsimile Machine	1.7	0.9	0.3	0.4	Q	24.4
Separate Photocopier	1.1	0.6	0.2	0.3	Q	32.0
Telephone Answering Machine	17.0	5.3	3.7	7.5	0.5	9.2

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

Table HC7-7a. Home Office Equipment by Four Most Populated States, Million U.S. Households, 2001

Home Office Equipment	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.1	1.0	1.5	1.5	
Total	107.0	7.1	12.3	7.7	6.3	NE
Households Using Office Equipment	96.2	6.2	11.4	6.7	5.9	1.7
Personal Computers¹	60.0	3.4	7.9	4.1	3.8	4.4
Number of Desktop PCs						
1	45.1	2.8	5.6	3.0	2.9	5.2
2 or more	9.1	0.4	1.5	0.5	0.6	15.1
Number of Laptop PCs						
1	12.0	0.7	1.8	1.0	0.9	8.7
2 or more	2.2	Q	0.2	Q	Q	32.7
Have Access to Internet	50.7	3.1	6.8	3.4	3.1	5.2
Hours PCs Turned On Each Week						
Less than 2 hours	10.3	0.7	1.3	0.7	1.0	13.5
2 to 15 hours	26.3	1.5	3.6	1.8	1.3	7.8
16 to 40 hours	12.2	0.7	1.8	0.7	0.6	13.4
More than 40 hours	5.7	0.3	0.6	0.5	0.5	17.8
On All the time	5.6	0.2	0.6	0.5	0.4	25.3
How PC is Used						
15 hours a Week or Less	36.6	2.2	4.9	2.5	2.3	6.7
16 hours a Week or More	23.4	1.2	3.0	1.6	1.5	10.1
Personal Use Only	14.0	0.5	1.7	1.0	0.7	14.5
Business Use Only	2.1	Q	0.3	0.2	0.1	21.0
Both Personal and Business	7.3	0.6	1.0	0.4	0.7	19.1
Business Use of PC						
Other Business Use	5.8	0.4	0.9	0.3	0.4	17.9
Used for Telecommuting	3.6	0.3	0.4	0.3	Q	20.9
1 to 4 Days per Week	2.0	0.2	0.2	0.2	Q	23.9
5 to 7 Days per Week	1.6	Q	0.2	0.2	Q	34.1
Printer						
Attached to PC	52.8	3.0	6.8	3.7	3.2	5.4
With Built-in Fax/Copier	12.6	1.0	1.4	1.1	0.8	11.3
Without Built-in Fax/Copier	40.2	1.9	5.4	2.6	2.4	7.3
Other Office Equipment						
Cell/Mobile Telephone	56.8	3.5	7.1	4.2	3.9	3.7
Cordless Telephone	81.5	5.0	9.4	5.6	4.9	2.5
Separate Facsimile Machine	11.0	0.9	1.9	0.9	1.0	15.9
Separate Photocopier	7.4	0.5	0.8	0.6	0.3	17.1
Telephone Answering Machine	65.7	4.9	8.0	3.8	3.8	4.2

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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.

• 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 HC7-8a. Home Office Equipment by Urban/Rural Location,
Million U.S. Households, 2001**

Home Office Equipment	Total	Urban/Rural Location ¹				RSE Row Factors
		City	Town	Suburbs	Rural	
RSE Column Factor:	0.5	0.9	1.3	1.2	1.4	
Total	107.0	49.9	18.0	21.2	17.9	4.1
Households Using Office Equipment	96.2	43.9	16.0	20.2	16.1	4.1
Personal Computers²	60.0	25.6	9.3	15.0	10.1	4.7
Number of Desktop PCs						
1	45.1	19.3	7.3	10.7	7.9	5.3
2 or more	9.1	3.5	1.2	3.2	1.1	9.8
Number of Laptop PCs						
1	12.0	5.4	1.7	3.4	1.6	9.6
2 or more	2.2	0.7	0.3	0.9	0.4	23.4
Have Access to Internet	50.7	21.3	7.9	13.3	8.3	4.9
Hours PCs Turned On Each Week						
Less than 2 hours	10.3	4.4	1.6	2.3	2.0	9.8
2 to 15 hours	26.3	11.6	4.3	6.1	4.3	6.3
16 to 40 hours	12.2	4.9	1.9	3.2	2.2	9.9
More than 40 hours	5.7	2.4	0.7	1.8	0.8	13.2
On All the time	5.6	2.3	0.8	1.5	0.9	13.6
How PC is Used						
15 hours a Week or Less	36.6	16.0	5.9	8.4	6.3	5.5
16 hours a Week or More	23.4	9.6	3.5	6.5	3.9	7.2
Personal Use Only	14.0	5.8	2.1	3.5	2.6	9.6
Business Use Only	2.1	0.7	0.4	0.7	0.3	19.0
Both Personal and Business	7.3	3.0	1.0	2.4	1.0	12.3
Business Use of PC						
Other Business Use	5.8	2.6	0.8	1.5	0.9	12.8
Used for Telecommuting	3.6	1.1	0.5	1.6	0.4	17.5
1 to 4 Days per Week	2.0	0.5	0.3	1.0	0.2	23.7
5 to 7 Days per Week	1.6	0.6	0.3	0.6	0.2	25.6
Printer						
Attached to PC	52.8	22.1	7.9	13.7	9.1	5.0
With Built-in Fax/Copier	12.6	5.2	1.8	3.4	2.2	8.8
Without Built-in Fax/Copier	40.2	16.9	6.1	10.3	6.9	5.6
Other Office Equipment						
Cell/Mobile Telephone	56.8	24.7	8.7	13.9	9.5	4.5
Cordless Telephone	81.5	36.2	13.5	17.9	13.8	4.5
Separate Facsimile Machine	11.0	4.4	1.5	3.2	1.9	9.9
Separate Photocopier	7.4	2.8	1.2	1.7	1.6	11.5
Telephone Answering Machine	65.7	28.4	11.3	14.9	11.0	4.2

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

² These numbers could include a combination of Desktop and Laptop personal computers.

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, B, C of the 2001 Residential Energy Consumption Survey.

**Table HC7-9a. Home Office Equipment by Northeast Census Region,
Million U.S. Households, 2001**

Home Office Equipment	Total U.S.	Northeast Census Region			RSE Row Factors
		Total	Census Division		
			Middle Atlantic	New England	
RSE Column Factor:	0.5	1.1	1.4	1.2	
Total	107.0	20.3	14.8	5.4	NE
Households Using Office Equipment	96.2	17.9	12.8	5.0	1.3
Personal Computers¹	60.0	10.9	7.7	3.3	3.1
Number of Desktop PCs					
1	45.1	8.7	6.2	2.5	3.7
2 or more	9.1	1.4	0.9	0.5	12.9
Number of Laptop PCs					
1	12.0	2.3	1.6	0.7	7.3
2 or more	2.2	0.3	Q	Q	27.7
Have Access to Internet	50.7	9.7	6.8	3.0	3.7
Hours PCs Turned On Each Week					
Less than 2 hours	10.3	1.6	1.2	0.4	9.2
2 to 15 hours	26.3	5.3	3.7	1.6	4.1
16 to 40 hours	12.2	2.3	1.6	0.7	9.0
More than 40 hours	5.7	1.0	0.7	0.4	17.3
On All the time	5.6	0.7	0.5	0.2	19.5
How PC is Used					
15 hours a Week or Less	36.6	6.9	4.9	2.0	3.2
16 hours a Week or More	23.4	4.0	2.7	1.3	8.4
Personal Use Only	14.0	2.2	1.4	0.8	11.9
Business Use Only	2.1	0.4	0.3	0.2	23.6
Both Personal and Business	7.3	1.4	1.1	0.3	13.5
Business Use of PC					
Other Business Use	5.8	1.1	0.8	0.3	15.1
Used for Telecommuting	3.6	0.8	0.6	0.2	19.9
1 to 4 Days per Week	2.0	0.4	0.3	Q	22.7
5 to 7 Days per Week	1.6	0.4	0.3	Q	27.7
Printer					
Attached to PC	52.8	9.4	6.6	2.8	3.9
With Built-in Fax/Copier	12.6	3.0	2.3	0.6	8.3
Without Built-in Fax/Copier	40.2	6.4	4.3	2.2	3.8
Other Office Equipment					
Cell/Mobile Telephone	56.8	10.3	7.4	2.9	3.5
Cordless Telephone	81.5	14.8	10.6	4.2	2.2
Separate Facsimile Machine	11.0	2.3	1.6	0.7	9.8
Separate Photocopier	7.4	1.5	1.2	0.3	14.3
Telephone Answering Machine	65.7	13.9	10.2	3.7	2.4

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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.

• 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 HC7-10a. Home Office Equipment by Midwest Census Region,
Million U.S. Households, 2001**

Home Office Equipment	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	107.0	24.5	17.1	7.4	NE
Households Using Office Equipment	96.2	22.4	15.7	6.7	1.3
Personal Computers¹	60.0	14.1	9.9	4.2	3.7
Number of Desktop PCs					
1	45.1	10.4	7.2	3.2	3.7
2 or more	9.1	2.3	1.6	0.7	10.1
Number of Laptop PCs					
1	12.0	2.4	1.8	0.6	15.6
2 or more	2.2	0.4	0.3	Q	24.1
Have Access to Internet	50.7	11.8	8.4	3.4	4.5
Hours PCs Turned On Each Week					
Less than 2 hours	10.3	2.5	1.8	0.7	10.6
2 to 15 hours	26.3	5.8	4.0	1.8	6.3
16 to 40 hours	12.2	2.8	2.2	0.6	10.0
More than 40 hours	5.7	1.4	0.8	0.6	16.5
On All the time	5.6	1.5	1.1	0.5	12.4
How PC is Used					
15 hours a Week or Less	36.6	8.3	5.9	2.5	4.7
16 hours a Week or More	23.4	5.8	4.0	1.7	6.8
Personal Use Only	14.0	4.0	2.8	1.2	8.8
Business Use Only	2.1	0.3	Q	Q	25.4
Both Personal and Business	7.3	1.5	1.0	0.5	13.8
Business Use of PC					
Other Business Use	5.8	1.1	0.8	0.4	16.3
Used for Telecommuting	3.6	0.6	0.4	Q	16.7
1 to 4 Days per Week	2.0	0.4	0.3	Q	17.3
5 to 7 Days per Week	1.6	Q	Q	Q	32.5
Printer					
Attached to PC	52.8	12.3	8.7	3.6	4.3
With Built-in Fax/Copier	12.6	2.4	1.6	0.8	12.1
Without Built-in Fax/Copier	40.2	9.9	7.2	2.8	5.1
Other Office Equipment					
Cell/Mobile Telephone	56.8	12.8	8.8	4.1	4.0
Cordless Telephone	81.5	19.3	13.6	5.8	1.9
Separate Facsimile Machine	11.0	1.5	1.0	0.5	11.3
Separate Photocopier	7.4	2.1	1.5	0.6	12.9
Telephone Answering Machine	65.7	15.8	11.1	4.7	3.1

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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.

• 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 HC7-11a. Home Office Equipment by South Census Region,
Million U.S. Households, 2001**

Home Office Equipment	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	0.8	1.2	1.3	1.6	
Total	107.0	38.9	20.3	6.8	11.8	NE
Households Using Office Equipment	96.2	34.6	18.4	6.0	10.1	1.2
Personal Computers ¹	60.0	20.7	11.7	3.2	5.8	4.0
Number of Desktop PCs						
1	45.1	15.5	8.6	2.6	4.3	4.9
2 or more	9.1	3.1	2.0	0.4	0.7	9.6
Number of Laptop PCs						
1	12.0	4.2	2.5	0.5	1.2	12.3
2 or more	2.2	1.0	0.5	Q	0.4	29.6
Have Access to Internet	50.7	16.9	9.6	2.6	4.7	4.7
Hours PCs Turned On Each Week						
Less than 2 hours	10.3	3.8	2.2	0.6	0.9	12.4
2 to 15 hours	26.3	8.8	4.9	1.3	2.6	6.6
16 to 40 hours	12.2	3.9	2.1	0.8	1.0	13.6
More than 40 hours	5.7	2.0	1.3	Q	0.6	12.5
On All the time	5.6	2.2	1.1	0.4	0.6	16.5
How PC is Used						
15 hours a Week or Less	36.6	12.6	7.1	1.9	3.6	5.6
16 hours a Week or More	23.4	8.1	4.5	1.3	2.2	7.2
Personal Use Only	14.0	4.5	2.2	0.8	1.4	10.9
Business Use Only	2.1	0.9	0.4	0.2	Q	20.9
Both Personal and Business	7.3	2.7	1.9	0.3	0.5	15.3
Business Use of PC						
Other Business Use	5.8	2.1	1.4	0.3	0.4	14.3
Used for Telecommuting	3.6	1.5	1.0	0.2	0.4	24.7
1 to 4 Days per Week	2.0	0.8	0.6	Q	Q	36.0
5 to 7 Days per Week	1.6	0.7	0.4	Q	Q	36.7
Printer						
Attached to PC	52.8	18.3	10.2	2.9	5.2	4.5
With Built-in Fax/Copier	12.6	4.7	2.9	0.6	1.2	10.3
Without Built-in Fax/Copier	40.2	13.6	7.3	2.2	4.0	5.5
Other Office Equipment						
Cell/Mobile Telephone	56.8	21.4	11.5	3.7	6.2	3.4
Cordless Telephone	81.5	29.5	16.1	5.1	8.3	2.0
Separate Facsimile Machine	11.0	4.1	2.4	0.6	1.1	12.1
Separate Photocopier	7.4	2.2	0.8	0.6	0.8	10.8
Telephone Answering Machine	65.7	21.3	11.9	3.6	5.8	2.9

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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.

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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 HC7-12a. Home Office Equipment by West Census Region,
Million U.S. Households, 2001**

Home Office Equipment	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.6	1.2	
Total	107.0	23.3	6.7	16.6	NE
Households Using Office Equipment	96.2	21.4	6.2	15.2	1.0
Personal Computers¹	60.0	14.3	4.0	10.4	3.7
Number of Desktop PCs					
1	45.1	10.5	3.0	7.5	4.1
2 or more	9.1	2.4	0.5	1.9	9.3
Number of Laptop PCs					
1	12.0	3.1	0.9	2.2	9.3
2 or more	2.2	0.5	Q	0.3	23.2
Have Access to Internet	50.7	12.2	3.3	9.0	4.3
Hours PCs Turned On Each Week					
Less than 2 hours	10.3	2.4	0.6	1.8	10.5
2 to 15 hours	26.3	6.3	1.8	4.6	4.7
16 to 40 hours	12.2	3.2	0.8	2.4	10.9
More than 40 hours	5.7	1.3	0.4	0.8	14.0
On All the time	5.6	1.2	0.3	0.8	17.9
How PC is Used					
15 hours a Week or Less	36.6	8.7	2.4	6.3	5.2
16 hours a Week or More	23.4	5.6	1.6	4.0	7.6
Personal Use Only	14.0	3.3	1.0	2.4	9.9
Business Use Only	2.1	0.6	0.2	0.4	18.6
Both Personal and Business	7.3	1.7	0.4	1.2	12.2
Business Use of PC					
Other Business Use	5.8	1.5	0.4	1.1	11.9
Used for Telecommuting	3.6	0.7	0.2	0.5	16.0
1 to 4 Days per Week	2.0	0.4	Q	0.3	21.4
5 to 7 Days per Week	1.6	0.3	Q	0.2	28.0
Printer					
Attached to PC	52.8	12.8	3.7	9.1	4.0
With Built-in Fax/Copier	12.6	2.5	0.7	1.8	8.6
Without Built-in Fax/Copier	40.2	10.2	3.0	7.2	5.3
Other Office Equipment					
Cell/Mobile Telephone	56.8	12.3	3.3	9.0	3.6
Cordless Telephone	81.5	17.8	5.3	12.6	1.3
Separate Facsimile Machine	11.0	3.0	0.7	2.4	12.1
Separate Photocopier	7.4	1.6	0.4	1.2	12.5
Telephone Answering Machine	65.7	14.6	3.9	10.7	3.4

¹ These numbers could include a combination of Desktop and Laptop personal computers.

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.

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Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2001 Residential Energy Consumption Survey.