

Table 3.1a. Household Characteristics by Census Region and Climate Zone, Million U.S. Households, 1993

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.8	0.9	0.7	0.9	2.2	1.3	1.2	1.4	1.2	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	6.9
Urban Status											
Urban	75.8	17.6	16.6	23.8	17.9	3.9	22.7	18.2	13.5	17.5	5.6
Central City	30.6	6.8	6.4	9.8	7.6	1.9	8.2	6.8	5.4	8.4	5.3
Suburban	45.2	10.8	10.2	14.0	10.2	2.0	14.5	11.4	8.2	9.1	4.2
Rural	20.8	1.9	6.7	9.7	2.5	4.8	3.8	4.3	4.3	3.7	13.4
Climate Zone											
Under 2,000 CDD and--											
Over 7,000 HDD	8.7	1.8	5.1	Q	1.7	8.7	--	--	--	--	20.8
5,500 to 7,000 HDD	26.5	9.4	14.3	Q	2.8	--	26.5	--	--	--	14.8
4,000 to 5,499 HDD	22.5	8.3	3.8	7.7	2.6	--	--	22.5	--	--	15.1
Under 4,000 HDD	17.8	Q	Q	7.9	9.8	--	--	--	17.8	--	12.4
2,000 CDD or More and --											
Under 4,000 HDD	21.2	Q	Q	17.8	3.4	--	--	--	--	21.2	8.5
Heated Floorspace Category (square feet)											
Fewer than 600	7.5	1.7	1.0	2.3	2.4	0.4	1.4	1.9	1.9	2.0	13.6
600 to 999	21.8	4.1	4.8	8.0	4.8	1.6	6.1	4.9	4.3	4.9	8.0
1,000 to 1,599	27.8	4.8	4.8	11.4	6.7	1.7	6.0	6.0	6.4	7.7	7.0
1,600 to 1,999	12.4	2.0	3.4	4.4	2.6	1.3	3.5	2.6	2.0	2.9	10.3
2,000 to 2,399	9.6	2.1	2.8	3.1	1.7	1.3	2.9	2.2	1.5	1.8	10.4
2,400 to 2,999	8.2	2.2	3.0	2.1	0.9	1.3	3.0	2.0	0.8	1.1	11.0
3,000 or More	9.3	2.5	3.4	2.2	1.2	1.2	3.5	2.7	1.0	0.9	14.1
Ownership of Unit											
Owned	63.2	12.3	16.2	22.9	11.9	6.5	17.4	14.5	10.1	14.6	5.2
Rented	33.4	7.2	7.1	10.6	8.5	2.2	9.0	7.9	7.7	6.6	6.5
Type and Ownership of Housing Unit											
Single-Family Detached	59.6	9.6	15.7	22.4	12.0	6.2	15.7	12.9	11.2	13.6	6.0
Owned	51.3	9.0	14.0	18.7	9.7	5.5	14.1	11.5	8.8	11.4	6.3
Rented	8.2	0.6	1.7	3.7	2.3	0.7	1.6	1.4	2.4	2.2	13.0
Single-Family Attached	7.2	2.3	0.9	2.5	1.5	0.4	1.8	2.3	1.1	1.6	18.5
Owned	4.4	1.6	0.4	1.6	0.8	0.2	1.0	1.8	0.4	1.0	23.0
Rented	2.8	0.7	0.5	0.9	0.7	0.2	0.8	0.5	0.7	0.6	19.6
Multifamily (2 to 4 units)	8.0	2.9	1.8	1.6	1.6	0.7	2.9	2.0	1.3	1.1	15.0
Owned	1.5	0.9	0.3	0.2	0.1	0.2	0.7	0.4	Q	0.2	23.8
Rented	6.5	2.1	1.5	1.5	1.5	0.5	2.2	1.6	1.2	0.9	16.7
Multifamily (5 or more units)	16.2	4.1	3.5	4.4	4.3	0.7	4.6	4.5	3.4	3.1	11.3
Owned	1.6	0.4	0.3	Q	0.5	Q	0.4	0.4	Q	Q	24.1
Rented	14.7	3.7	3.2	4.0	3.8	0.6	4.3	4.1	3.1	2.6	11.5
Mobile Home	5.6	0.5	1.4	2.6	1.0	0.7	1.4	0.8	0.9	1.8	19.9
Owned	4.4	0.4	1.2	2.0	0.8	0.5	1.3	0.5	0.6	1.5	22.1
Rented	1.2	0.1	0.2	0.6	0.2	0.2	0.2	0.3	0.2	0.3	27.0
Year of Construction											
1939 or Before	20.4	6.7	7.4	3.5	2.7	3.2	7.5	5.6	2.6	1.4	11.7
1940 to 1949	6.9	1.6	1.6	2.1	1.6	0.7	2.0	1.6	1.4	1.2	14.9
1950 to 1959	13.1	2.9	2.2	4.4	3.6	0.9	2.9	3.2	3.2	2.8	10.7
1960 to 1969	15.0	2.7	4.2	5.1	3.0	0.6	4.9	3.1	3.1	3.3	10.1
1970 to 1979	18.1	2.5	3.8	7.1	4.8	1.5	4.6	4.0	3.3	4.8	9.1
1980 to 1984	8.5	1.1	1.3	4.1	1.9	0.7	1.3	1.6	1.6	3.2	11.5
1985 to 1987	5.5	0.7	0.8	2.9	1.1	0.4	0.9	1.4	0.9	1.9	16.4
1988 to 1990	4.7	0.7	1.0	2.2	0.8	0.4	1.1	1.2	0.8	1.2	16.1
1991 to 1993 ¹	4.5	0.6	1.0	2.2	0.7	0.3	1.2	0.7	0.8	1.5	20.6

See footnotes at end of table.

Table 3.1b. Household Characteristics by Census Region and Climate Zone, Percent of U.S. Households, 1993

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	1.1	0.9	1.0	1.4	1.1	1.1	1.2	1.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Urban Status											
Urban	78.4	90.2	71.2	70.9	87.8	44.9	85.7	81.0	76.0	82.4	5.7
Central City	31.7	35.0	27.4	29.1	37.5	22.0	30.8	30.2	30.1	39.5	5.2
Suburban	46.8	55.2	43.8	41.8	50.3	23.0	54.9	50.8	45.9	42.8	4.0
Rural	21.6	9.8	28.8	29.1	12.2	55.1	14.3	19.0	24.0	17.6	12.0
Climate Zone											
Under 2,000 CDD and--											
Over 7,000 HDD	9.0	9.4	22.0	Q	8.5	100.0	--	--	--	--	21.6
5,500 to 7,000 HDD	27.4	48.2	61.4	Q	13.7	--	100.0	--	--	--	14.9
4,000 to 5,499 HDD	23.2	42.4	16.5	23.1	12.8	--	--	100.0	--	--	14.8
Under 4,000 HDD	18.4	Q	Q	23.7	48.4	--	--	--	100.0	--	12.6
2,000 CDD or More and --											
Under 4,000 HDD	21.9	Q	Q	53.2	16.6	--	--	--	--	100.0	8.3
Heated Floorspace Category (square feet)											
Fewer than 600	7.8	8.8	4.4	7.0	11.9	4.5	5.2	8.6	10.4	9.3	13.8
600 to 999	22.6	21.1	20.8	23.9	23.7	18.3	23.1	22.0	24.1	22.9	6.2
1,000 to 1,599	28.8	24.8	20.7	34.1	33.0	19.3	22.8	26.6	35.8	36.5	4.8
1,600 to 1,999	12.8	10.3	14.6	13.2	12.8	14.7	13.4	11.8	11.4	13.7	8.3
2,000 to 2,399	10.0	11.0	11.9	9.1	8.2	14.9	10.8	9.7	8.4	8.5	8.7
2,400 to 2,999	8.5	11.1	13.0	6.2	4.5	14.6	11.5	9.1	4.5	5.0	8.8
3,000 or More	9.6	12.9	14.6	6.4	6.0	13.8	13.3	12.1	5.3	4.2	12.0
Ownership of Unit											
Owned	65.4	63.0	69.5	68.3	58.2	74.5	65.9	64.8	57.0	68.9	2.7
Rented	34.6	37.0	30.5	31.7	41.8	25.5	34.1	35.2	43.0	31.1	5.1
Type and Ownership of Housing Unit											
Single-Family Detached	61.7	49.1	67.2	66.7	59.0	71.3	59.2	57.6	62.9	64.0	3.5
Owned	53.1	46.2	60.0	55.8	47.5	63.8	53.3	51.3	49.3	53.8	3.7
Rented	8.5	2.9	7.2	10.9	11.5	7.6	5.9	6.3	13.6	10.2	11.4
Single-Family Attached	7.5	12.1	3.9	7.4	7.3	4.7	6.8	10.2	6.4	7.5	18.6
Owned	4.6	8.3	1.8	4.6	4.0	Q	3.8	8.0	2.4	4.7	22.5
Rented	2.9	3.8	2.1	2.7	3.3	2.4	3.0	2.3	4.0	2.8	19.3
Multifamily (2 to 4 units)	8.3	15.0	7.9	4.9	7.8	8.4	11.0	8.8	7.0	5.3	14.2
Owned	1.5	4.4	1.4	0.5	0.6	2.1	2.6	1.7	Q	0.9	23.1
Rented	6.7	10.6	6.5	4.4	7.2	6.3	8.5	7.1	6.8	4.4	16.0
Multifamily (5 or more units)	16.8	21.1	14.9	13.2	20.9	8.0	17.5	20.0	18.8	14.5	11.3
Owned	1.6	2.0	1.1	Q	2.3	Q	1.4	1.7	Q	Q	22.7
Rented	15.2	19.1	13.7	11.9	18.6	7.4	16.1	18.3	17.4	12.2	11.4
Mobile Home	5.8	2.8	6.1	7.8	5.0	7.6	5.5	3.4	4.9	8.7	18.2
Owned	4.6	2.1	5.1	6.0	3.8	5.7	4.8	2.1	3.6	7.2	20.3
Rented	1.2	0.7	1.0	1.8	1.1	1.8	0.7	1.3	1.3	1.5	26.5
Year of Construction											
1939 or Before	21.1	34.5	31.8	10.5	13.3	37.1	28.2	25.2	14.8	6.5	9.4
1940 to 1949	7.1	8.3	6.8	6.3	7.7	8.1	7.6	7.1	8.1	5.4	13.9
1950 to 1959	13.5	14.7	9.5	13.0	17.8	9.9	11.1	14.4	18.1	13.3	9.6
1960 to 1969	15.5	14.1	17.9	15.2	14.8	7.4	18.5	13.7	17.5	15.5	9.2
1970 to 1979	18.8	12.8	16.2	21.1	23.7	16.7	17.5	17.8	18.4	22.7	7.7
1980 to 1984	8.8	5.7	5.7	12.2	9.6	8.1	5.0	7.2	8.9	15.3	10.5
1985 to 1987	5.7	3.5	3.5	8.7	5.4	4.3	3.5	6.3	5.2	8.8	15.8
1988 to 1990	4.9	3.4	4.5	6.4	4.2	5.0	4.1	5.5	4.4	5.5	15.2
1991 to 1993 ¹	4.6	2.9	4.2	6.5	3.6	3.4	4.5	3.0	4.7	7.0	20.5

See footnotes at end of table.

Table 3.1a. Household Characteristics by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.8	0.9	0.7	0.9	2.2	1.3	1.2	1.4	1.2	
Observed Location of Household											
City	44.7	8.0	10.7	13.5	12.5	3.5	11.2	9.0	9.4	11.5	6.2
Town	15.8	3.6	3.9	5.6	2.6	1.9	4.5	3.2	3.2	3.0	16.1
Suburbs	19.9	4.9	4.7	7.1	3.3	0.8	6.7	6.3	2.6	3.5	10.9
Rural or Open Country	16.2	3.0	4.0	7.3	2.0	2.4	4.1	3.9	2.6	3.2	15.0
Total Number of Rooms (Excluding Bathrooms)											
1 or 2	3.2	1.1	0.4	0.7	1.0	0.3	0.5	1.2	0.8	0.5	21.9
3 to 5	47.4	8.8	10.2	17.4	11.0	3.8	12.1	10.3	9.8	11.3	6.2
6 to 8	40.2	8.2	10.9	13.8	7.3	4.0	12.1	9.2	6.4	8.6	7.0
9 or More	5.8	1.4	1.8	1.5	1.1	0.6	1.8	1.8	0.7	0.9	16.2
Bedrooms											
None or 1	12.9	3.3	2.6	3.7	3.3	0.8	3.3	3.6	2.7	2.5	11.3
2	30.0	5.8	7.2	9.9	7.1	2.6	8.3	6.8	5.8	6.6	7.7
3	38.5	7.3	9.1	15.4	6.7	3.5	10.3	8.3	6.8	9.5	6.9
4 or More	15.2	3.1	4.4	4.5	3.2	1.7	4.6	3.8	2.4	2.7	10.1
Other Rooms (Excluding Bathrooms)											
None or 1	4.4	1.2	0.5	1.4	1.3	0.4	0.6	1.4	1.2	0.9	18.2
2	35.6	6.4	7.1	13.4	8.6	2.9	8.8	7.5	7.6	8.7	6.9
3	31.7	6.1	8.3	11.0	6.3	2.9	9.3	6.8	5.7	7.0	7.3
4	16.3	3.7	4.6	5.2	2.7	1.6	5.0	4.3	2.3	3.1	8.5
5 or More	8.7	1.9	2.8	2.5	1.4	0.9	2.8	2.5	1.0	1.4	13.3
Full Bathrooms											
None or 1	61.6	14.8	16.9	18.4	11.5	6.5	19.3	15.0	10.3	10.5	5.2
2	30.9	4.0	5.7	13.5	7.7	1.9	6.4	6.3	6.5	9.8	6.9
3 or More	4.1	0.6	0.7	1.6	1.2	0.2	0.8	1.1	1.0	1.0	17.2
Half Bathrooms											
None	71.5	13.8	16.0	25.7	15.9	6.2	18.5	15.5	14.1	17.1	4.7
1	23.9	5.5	6.9	7.3	4.2	2.4	7.6	6.5	3.6	3.9	8.5
2 or More	1.2	0.2	0.4	0.4	0.2	0.1	0.4	0.5	Q	Q	25.8
Number of Stories											
Single-Family Homes	66.8	11.9	16.6	24.8	13.5	6.6	17.5	15.2	12.3	15.2	5.5
1 Story	40.6	3.6	8.0	18.9	10.0	3.0	7.6	7.3	9.4	13.1	7.7
2 Stories	22.4	6.7	7.5	5.1	3.0	3.2	8.4	6.3	2.7	1.8	9.3
3 Stories	1.6	1.0	0.1	0.4	0.2	0.1	0.4	0.9	0.1	Q	27.1
Split-Level	2.2	0.5	0.9	0.4	0.3	0.3	1.0	0.6	Q	Q	23.2
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.6	0.5	1.4	2.6	1.0	0.7	1.4	0.8	0.9	1.8	19.9
Multi-Story Apartment Building	24.2	7.0	5.3	6.1	5.8	1.4	7.6	6.5	4.6	4.2	9.1
Outside Wall Material											
Brick	26.6	6.7	6.7	12.0	1.3	0.8	7.7	8.3	3.0	6.8	10.4
Wood	27.6	4.9	6.4	8.6	7.7	3.5	7.4	5.9	5.2	5.5	10.8
Siding	22.9	5.7	8.3	7.2	1.7	3.1	9.2	6.0	2.1	2.5	10.4
Stucco	10.3	0.2	0.4	1.5	8.2	0.4	0.4	0.5	6.3	2.7	16.8
Composition	4.1	1.2	0.9	1.5	0.5	0.5	1.1	1.0	0.6	0.8	16.8
Concrete/Block	4.3	0.5	0.3	2.6	1.0	0.2	0.5	0.3	0.4	2.8	24.5
Other	0.8	Q	0.4	0.2	Q	0.2	0.2	0.3	Q	Q	35.1

See footnotes at end of table.

Table 3.1b. Household Characteristics by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	1.1	0.9	1.0	1.4	1.1	1.1	1.2	1.1	
Observed Location of Household											
City	46.2	41.2	45.7	40.2	61.5	40.8	42.3	39.9	53.1	54.4	5.2
Town	16.3	18.6	16.9	16.7	12.8	22.4	16.8	14.4	17.8	14.0	14.4
Suburbs	20.6	25.0	20.2	21.2	16.1	9.5	25.4	28.2	14.5	16.5	10.7
Rural or Open Country	16.8	15.2	17.1	21.9	9.6	27.4	15.6	17.5	14.6	15.1	13.6
Total Number of Rooms (Excluding Bathrooms)											
1 or 2	3.3	5.7	1.5	2.2	5.0	3.2	1.7	5.4	4.4	2.3	22.5
3 to 5	49.0	45.1	43.8	52.0	53.8	44.2	45.8	45.7	55.3	53.3	4.1
6 to 8	41.6	42.0	47.0	41.3	35.6	45.8	45.5	40.8	36.1	40.4	4.9
9 or More	6.0	7.1	7.7	4.6	5.6	6.8	7.0	8.1	4.1	4.1	14.7
Bedrooms											
None or 1	13.4	17.0	11.1	11.1	16.3	9.4	12.6	16.0	15.5	11.6	11.0
2	31.1	30.0	30.8	29.5	35.0	30.4	31.2	30.1	32.5	31.0	5.5
3	39.8	37.3	39.0	46.0	32.9	40.6	38.9	37.1	38.4	44.7	4.4
4 or More	15.7	15.8	19.0	13.4	15.8	19.5	17.4	16.8	13.6	12.8	7.8
Other Rooms (Excluding Bathrooms)											
None or 1	4.6	6.4	2.2	4.1	6.2	4.1	2.4	6.1	6.6	4.2	18.4
2	36.8	33.1	30.5	40.0	42.3	33.8	33.2	33.3	42.9	41.1	5.1
3	32.8	31.5	35.7	32.7	31.0	33.2	35.0	30.3	32.1	33.2	4.9
4	16.8	19.0	19.8	15.6	13.5	18.0	18.7	19.2	13.0	14.8	6.9
5 or More	9.0	10.0	11.8	7.5	7.0	10.9	10.7	11.1	5.4	6.7	11.5
Full Bathrooms											
None or 1	63.8	76.0	72.6	54.9	56.5	75.1	72.9	66.8	58.1	49.3	2.7
2	32.0	20.8	24.3	40.4	37.8	22.3	24.2	28.2	36.4	46.1	5.2
3 or More	4.2	3.2	3.1	4.7	5.7	2.6	2.9	5.0	5.5	4.6	16.4
Half Bathrooms											
None	74.0	70.7	68.8	76.8	78.3	71.5	70.0	68.9	79.5	80.7	2.4
1	24.8	28.0	29.6	21.9	20.9	27.3	28.6	28.8	20.2	18.6	6.8
2 or More	1.2	1.3	1.6	1.3	0.8	1.2	1.5	2.3	Q	Q	24.5
Number of Stories											
Single-Family Homes	69.1	61.1	71.1	74.1	66.3	76.1	66.0	67.8	69.2	71.5	3.0
1 Story	42.0	18.7	34.3	56.5	49.2	34.5	28.8	32.7	53.0	62.0	5.5
2 Stories	23.2	34.6	32.4	15.4	14.6	37.2	31.8	28.2	14.9	8.3	7.5
3 Stories	1.7	5.0	0.5	1.2	0.8	0.9	1.7	4.1	0.8	Q	26.9
Split-Level	2.2	2.7	4.0	1.1	1.7	3.4	3.6	2.7	Q	1.0	22.4
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.8	2.8	6.1	7.8	5.0	7.6	5.5	3.4	4.9	8.7	18.2
Multi-Story Apartment Building	25.1	36.1	22.8	18.1	28.7	16.4	28.5	28.8	25.9	19.8	8.7
Outside Wall Material											
Brick	27.5	34.2	28.6	35.7	6.4	9.1	29.2	36.9	17.0	31.9	9.0
Wood	28.6	25.4	27.4	25.6	37.8	40.7	28.0	26.4	29.4	25.9	9.1
Siding	23.7	29.5	35.5	21.6	8.3	35.5	34.8	26.8	12.0	11.7	8.0
Stucco	10.7	1.2	1.9	4.3	40.1	4.1	1.5	2.4	35.4	12.9	18.0
Composition	4.2	6.0	4.0	4.5	2.2	5.9	4.1	4.6	3.5	3.8	15.6
Concrete/Block	4.4	2.4	1.1	7.7	4.8	2.6	1.7	1.5	2.5	13.4	24.7
Other	0.9	Q	1.5	0.6	Q	2.1	0.7	1.4	Q	Q	34.2

See footnotes at end of table.

Table 3.1a. Household Characteristics by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.8	0.9	0.7	0.9	2.2	1.3	1.2	1.4	1.2	
Foundation/Basement (More than one may apply)											
Basement	33.8	11.6	14.4	4.9	2.9	6.0	15.7	9.8	1.7	0.7	10.2
Crawlspace	24.8	2.3	4.6	11.3	6.7	1.3	4.9	5.6	7.7	5.3	11.0
Enclosed	19.4	1.9	3.6	8.4	5.5	1.3	4.2	4.5	6.2	3.3	11.2
Open to Outside	5.6	0.4	1.0	2.9	1.2	Q	0.7	1.2	1.5	2.2	21.3
Concrete Slab	23.4	2.3	2.7	11.8	6.6	0.7	3.2	3.4	5.2	10.9	10.4
Other	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	90.6
Not Asked (Mobile Homes and Buildings with 5 or More Units)	21.8	4.6	4.9	7.0	5.3	1.4	6.1	5.2	4.2	4.9	9.3
Garage/Carport											
Yes	46.7	7.6	12.9	14.7	11.4	4.9	12.9	9.4	8.5	10.9	6.6
1-Car Garage	14.4	3.4	4.1	3.6	3.4	1.9	4.6	3.5	2.4	2.1	11.0
2-Car Garage	24.7	3.7	7.9	7.1	5.9	2.6	7.4	4.8	4.4	5.4	8.7
3-Car Garage	2.1	0.4	0.6	0.2	0.8	0.3	0.6	0.5	0.3	0.3	20.3
Covered Carport	6.3	0.1	0.4	4.2	1.5	0.2	0.5	0.7	1.5	3.4	20.1
No	26.9	4.8	5.2	13.6	3.4	2.4	6.1	6.5	5.0	6.9	9.5
Not Asked (Apartments)	24.2	7.0	5.3	6.1	5.8	1.4	7.6	6.5	4.6	4.2	9.1
Fuels Used For Any Use (more than one often used)											
Electricity	96.6	19.5	23.3	33.4	20.4	8.7	26.5	22.4	17.8	21.2	6.9
Natural Gas	58.4	12.2	17.5	14.6	14.1	4.5	18.8	12.9	12.1	10.2	7.1
Fuel Oil	10.9	7.4	1.4	1.6	0.5	2.1	3.4	4.8	0.4	0.2	17.4
LPG ²	8.6	1.3	2.2	4.4	0.8	1.4	1.6	1.4	1.6	2.6	20.9
Kerosene	3.7	0.8	0.9	1.9	Q	0.3	0.9	1.1	0.8	0.5	21.3
Wood	22.2	3.6	4.3	7.9	6.4	2.5	4.7	5.9	4.4	4.8	9.2
Solar	1.2	0.1	Q	0.3	0.5	0.2	0.2	0.2	0.3	0.4	25.1
Coal	0.6	0.2	Q	Q	Q	Q	0.1	Q	Q	Q	64.8
Natural Gas Available in Neighborhood											
Yes	69.0	14.2	19.3	19.2	16.3	5.0	21.4	15.8	14.1	12.6	6.3
No	27.6	5.2	4.0	14.3	4.1	3.6	5.1	6.6	3.7	8.6	12.6
1993 Family Income Category											
Less than \$5,000	4.1	1.0	0.7	1.7	0.7	0.2	1.0	0.9	0.9	1.0	15.0
\$5,000 to \$9,999	10.6	2.0	2.3	4.4	1.9	0.9	2.6	2.3	2.4	2.4	11.1
\$10,000 to \$14,999	11.1	2.0	2.8	3.6	2.6	1.1	3.2	2.1	2.3	2.4	9.6
\$15,000 to \$19,999	9.6	1.7	2.5	3.4	2.1	1.0	2.8	1.8	1.6	2.4	12.1
\$20,000 to \$24,999	8.7	1.4	2.4	3.0	1.9	1.1	2.2	2.2	1.3	1.9	11.0
\$25,000 to \$34,999	14.1	2.6	3.6	4.9	2.9	1.5	3.9	3.3	2.3	3.1	9.1
\$35,000 to \$49,999	17.5	3.8	4.4	5.8	3.4	1.5	4.9	4.3	3.0	3.8	8.5
\$50,000 to \$74,999	12.6	2.7	3.1	4.1	2.7	1.0	3.8	3.1	2.2	2.5	8.5
\$75,000 or More	8.3	2.1	1.5	2.6	2.2	0.4	2.2	2.4	1.7	1.6	11.8
Below Poverty Line											
100 Percent	14.4	3.0	2.6	5.9	2.9	1.0	3.3	3.0	3.5	3.6	9.6
125 Percent	19.4	3.9	4.0	7.6	3.8	1.6	4.6	4.1	4.5	4.5	9.0
Eligible for Federal Assistance ³ ...	30.7	6.3	7.1	10.9	6.4	2.8	8.1	6.6	6.3	6.8	6.9

See footnotes at end of table.

Table 3.1b. Household Characteristics by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	1.1	0.9	1.0	1.4	1.1	1.1	1.2	1.1	
Foundation/Basement											
(More than one may apply)											
Basement	35.0	59.4	61.7	14.7	14.4	69.3	59.4	43.5	9.3	3.1	7.6
Crawlspace	25.7	11.6	19.6	33.6	32.9	14.9	18.4	25.0	43.1	25.2	9.0
Enclosed	20.1	9.6	15.4	25.1	27.2	14.7	15.8	19.8	35.0	15.4	9.5
Open to Outside	5.8	2.1	4.4	8.7	6.0	Q	2.8	5.2	8.3	10.2	18.6
Concrete Slab	24.2	12.0	11.6	35.2	32.2	7.7	12.1	14.9	29.4	51.4	9.3
Other	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	77.1
Not Asked (Mobile Homes and Buildings with 5 or More Units)	22.6	23.9	20.9	20.9	25.9	15.5	22.9	23.3	23.7	23.2	8.4
Garage/Carport											
Yes	48.3	39.2	55.3	44.0	55.9	56.6	48.8	41.8	47.7	51.6	4.3
1-Car Garage	14.9	17.5	17.4	10.7	16.5	21.5	17.3	15.5	13.4	9.7	9.1
2-Car Garage	25.6	19.2	33.8	21.3	29.2	30.2	27.9	21.5	25.0	25.5	7.3
3-Car Garage	2.2	2.3	2.7	0.7	3.9	3.9	2.2	2.4	1.9	1.4	18.9
Covered Carport	6.5	0.7	1.9	12.5	7.5	2.0	1.8	3.3	8.2	16.1	18.9
No	27.8	24.6	22.2	40.5	16.5	27.4	23.0	28.9	28.3	32.6	7.4
Not Asked (Apartments)	25.1	36.1	22.8	18.1	28.7	16.4	28.5	28.8	25.9	19.8	8.7
Fuels Used For Any Use											
(more than one often used)											
Electricity	99.9	100.0	100.0	99.8	100.0	100.0	100.0	99.8	100.0	99.9	NE
Natural Gas	60.4	62.9	74.9	43.6	69.2	51.6	70.8	57.5	67.8	48.0	5.4
Fuel Oil	11.3	38.1	6.2	4.7	2.3	24.0	13.0	21.2	2.2	1.0	16.9
LPG ²	8.9	6.6	9.5	13.0	3.8	15.8	6.2	6.3	9.0	12.2	19.3
Kerosene	3.8	4.0	4.1	5.6	Q	3.9	3.5	4.8	4.8	2.5	20.8
Wood	23.0	18.2	18.5	23.7	31.4	28.5	17.9	26.1	24.5	22.5	8.3
Solar	1.2	0.8	Q	0.8	2.7	Q	0.7	0.7	1.7	1.7	24.4
Coal	0.6	0.8	Q	Q	Q	Q	0.5	Q	Q	Q	61.8
Natural Gas Available in Neighborhood											
Yes	71.4	73.2	82.7	57.3	79.9	58.0	80.9	70.5	79.2	59.5	4.4
No	28.6	26.8	17.3	42.7	20.1	42.0	19.1	29.5	20.8	40.5	11.3
1993 Family Income Category											
Less than \$5,000	4.2	5.4	2.8	5.0	3.3	2.9	3.6	4.2	5.2	4.6	14.3
\$5,000 to \$9,999	11.0	10.2	9.8	13.0	9.5	10.3	9.7	10.3	13.3	11.5	9.3
\$10,000 to \$14,999	11.5	10.5	12.1	10.8	13.0	12.3	12.2	9.4	13.1	11.3	7.7
\$15,000 to \$19,999	10.0	8.6	10.8	10.0	10.2	11.7	10.5	8.2	9.2	11.1	10.2
\$20,000 to \$24,999	9.1	7.4	10.2	9.1	9.2	12.2	8.4	9.9	7.3	9.2	9.0
\$25,000 to \$34,999	14.5	13.5	15.6	14.7	14.0	16.9	14.6	14.8	12.9	14.6	7.1
\$35,000 to \$49,999	18.1	19.5	19.0	17.3	16.9	16.9	18.4	19.0	17.0	18.0	6.6
\$50,000 to \$74,999	13.1	14.0	13.2	12.3	13.3	11.7	14.4	13.7	12.4	11.9	7.8
\$75,000 or More	8.6	10.9	6.4	7.7	10.6	5.0	8.3	10.5	9.7	7.7	11.8
Below Poverty Line											
100 Percent	14.9	15.4	11.1	17.5	14.3	11.3	12.4	13.4	19.7	16.9	8.0
125 Percent	20.0	20.1	17.2	22.8	18.7	19.0	17.3	18.4	25.1	21.4	7.2
Eligible for Federal Assistance ³ ...	31.7	32.2	30.5	32.6	31.2	32.4	30.7	29.4	35.6	32.0	4.8

See footnotes at end of table.

Table 3.1a. Household Characteristics by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.8	0.9	0.7	0.9	2.2	1.3	1.2	1.4	1.2	
Payment Method for Fuel and Electricity											
All Paid by Household	83.1	14.6	20.1	31.3	17.1	7.7	22.3	18.1	15.3	19.7	4.8
Some Paid, Some in Rent	8.3	3.4	2.2	0.8	2.0	0.4	2.7	3.0	1.4	0.8	12.9
All Included in Rent	4.1	1.3	0.7	1.2	0.9	0.5	1.0	1.2	0.8	0.6	18.0
Other Method	1.1	0.2	0.3	0.2	0.4	0.1	0.5	0.1	0.2	0.1	28.5
Age of Householder											
Under 25 Years	5.7	1.0	1.3	2.0	1.3	0.5	1.4	1.3	1.2	1.3	14.8
25 to 34 Years	19.9	3.7	5.2	6.9	4.1	1.8	5.5	4.9	3.3	4.4	7.6
35 to 44 Years	21.4	4.7	4.7	7.4	4.6	2.0	5.5	5.0	4.1	4.8	6.5
45 to 59 Years	21.9	4.1	5.3	7.7	4.8	1.7	6.1	5.1	4.2	4.7	8.0
60 Years and Over	27.8	6.0	6.8	9.5	5.5	2.6	8.0	6.2	4.9	6.0	7.3
Race of Householder											
White	80.2	16.4	20.6	26.7	16.5	8.4	23.0	18.6	13.1	17.1	4.2
Black	10.9	2.2	2.0	5.6	1.1	Q	2.6	2.8	2.6	2.9	12.3
Other ⁴	5.5	0.9	0.6	1.2	2.8	0.3	0.9	1.0	2.1	1.3	14.1
Householder of Hispanic Descent											
Yes	7.9	1.7	0.9	2.3	2.9	0.3	1.3	1.8	1.9	2.5	14.6
No	88.7	17.7	22.4	31.2	17.4	8.4	25.2	20.6	15.9	18.7	5.1
Household Size											
1 Person	23.5	4.8	6.1	8.0	4.6	2.2	6.9	5.4	4.4	4.6	7.4
2 Persons	31.7	6.0	7.5	11.1	7.1	2.7	8.6	7.4	5.6	7.4	5.8
3 Persons	16.6	3.7	3.6	6.2	3.1	1.4	4.4	4.0	2.8	3.9	8.4
4 Persons	14.6	3.2	3.8	4.6	2.9	1.5	4.2	3.3	2.5	3.1	7.9
5 Persons	6.8	1.2	1.5	2.5	1.6	0.6	1.7	1.6	1.6	1.4	12.0
6 or More Persons	3.5	0.6	0.8	1.0	1.0	0.3	0.8	0.8	0.9	0.8	16.8
Household Owns or Has Regular Use of a Motor Vehicle											
No	11.9	4.3	2.1	3.8	1.8	0.5	3.0	4.1	2.5	1.9	11.8
Yes	84.7	15.2	21.2	29.7	18.6	8.2	23.4	18.4	15.3	19.3	4.4
1 Vehicle	34.2	6.4	8.2	12.0	7.7	3.1	9.4	7.2	6.5	8.2	6.4
2 Vehicles	36.4	6.6	9.3	12.6	7.9	3.6	10.7	7.8	6.1	8.2	6.5
3 Vehicles	10.8	1.7	2.8	4.1	2.3	1.3	2.4	2.6	2.1	2.4	11.9
4 or More Vehicles	3.2	0.5	0.9	1.1	0.7	0.3	1.0	0.8	0.6	0.6	15.1

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.1b. Household Characteristics by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	1.1	0.9	1.0	1.4	1.1	1.1	1.2	1.1	
Payment Method for Fuel and Electricity											
All Paid by Household	86.0	75.0	86.4	93.3	84.2	88.7	84.2	80.8	86.1	92.8	1.8
Some Paid, Some in Rent	8.6	17.3	9.3	2.5	9.6	4.8	10.2	13.3	8.1	3.6	13.1
All Included in Rent	4.2	6.5	3.1	3.6	4.4	5.3	3.7	5.3	4.5	3.0	18.4
Other Method	1.2	1.2	1.3	0.7	1.8	1.2	1.9	0.6	1.3	0.7	27.7
Age of Householder											
Under 25 Years	5.9	5.0	5.8	6.1	6.6	5.8	5.3	5.9	6.8	6.0	13.7
25 to 34 Years	20.6	19.0	22.3	20.5	20.2	20.9	20.9	21.6	18.3	20.9	5.8
35 to 44 Years	22.1	24.0	20.0	22.2	22.6	23.6	20.6	22.1	23.3	22.5	4.5
45 to 59 Years	22.6	21.2	22.6	22.8	23.6	19.6	23.1	22.7	23.8	22.2	5.9
60 Years and Over	28.7	30.8	29.3	28.3	26.9	30.1	30.1	27.7	27.8	28.4	4.9
Race of Householder											
White	83.0	84.2	88.5	79.8	80.8	96.4	86.8	82.9	73.8	80.5	1.7
Black	11.3	11.2	8.8	16.7	5.3	Q	9.7	12.6	14.5	13.6	11.2
Other ⁴	5.7	4.6	2.7	3.5	13.9	2.9	3.5	4.5	11.7	5.9	14.9
Householder of Hispanic Descent											
Yes	8.2	8.9	4.1	6.8	14.5	3.5	5.0	8.2	10.7	12.0	14.3
No	91.8	91.1	95.9	93.2	85.5	96.5	95.0	91.8	89.3	88.0	1.6
Household Size											
1 Person	24.3	24.5	26.3	23.9	22.8	25.0	26.0	24.3	24.6	21.9	4.9
2 Persons	32.8	30.9	32.0	33.3	34.7	31.6	32.4	32.8	31.3	35.0	3.6
3 Persons	17.2	18.9	15.5	18.5	15.2	16.6	16.5	17.9	16.0	18.4	6.6
4 Persons	15.1	16.4	16.4	13.9	14.4	17.1	15.9	14.5	14.3	14.6	6.1
5 Persons	7.0	6.0	6.4	7.5	7.8	6.7	6.3	6.9	8.9	6.5	10.4
6 or More Persons	3.6	3.3	3.4	3.0	5.1	3.0	2.9	3.5	5.0	3.7	16.3
Household Owns or Has Regular Use of a Motor Vehicle											
No	12.3	22.1	8.9	11.3	8.7	5.6	11.5	18.1	13.8	8.7	11.0
Yes	87.7	77.9	91.1	88.7	91.3	94.4	88.5	81.9	86.2	91.3	1.4
1 Vehicle	35.4	32.7	35.3	35.8	37.7	35.2	35.4	32.0	36.3	38.6	4.0
2 Vehicles	37.7	33.9	40.0	37.5	39.0	41.5	40.3	34.8	34.5	38.6	4.4
3 Vehicles	11.2	8.9	11.9	12.1	11.1	14.6	9.2	11.7	11.8	11.2	10.3
4 or More Vehicles	3.3	2.5	4.0	3.3	3.5	3.0	3.6	3.4	3.6	2.8	14.0

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.2a. Household Characteristics by Year of Construction,
Million U.S. Households, 1993**

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.8	1.4	1.4	1.1	0.8	0.9	0.9	1.2	0.8	
Total	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.3
Census Region and Division											
Northeast	19.5	0.6	0.7	0.7	1.1	2.5	2.7	2.9	1.6	6.7	12.9
New England	5.1	0.1	0.2	0.3	0.3	0.6	0.7	0.6	0.4	1.9	16.0
Middle Atlantic	14.4	0.5	0.5	0.4	0.9	1.9	2.0	2.2	1.2	4.8	16.4
Midwest	23.3	1.0	1.0	0.8	1.3	3.8	4.2	2.2	1.6	7.4	12.1
East North Central	16.4	0.5	0.8	0.6	0.9	2.7	3.5	1.5	1.1	4.9	12.7
West North Central	6.9	0.5	0.3	0.2	0.4	1.1	0.7	0.7	0.5	2.5	23.7
South	33.5	2.2	2.2	2.9	4.1	7.1	5.1	4.4	2.1	3.5	7.8
South Atlantic	17.4	1.4	1.3	1.9	1.9	3.5	2.6	2.2	1.1	1.5	11.0
East South Central	6.0	0.3	0.4	0.4	0.6	1.5	0.8	0.8	0.4	0.9	13.2
West South Central	10.1	0.5	0.5	0.6	1.6	2.1	1.7	1.3	0.6	1.1	13.1
West	20.4	0.7	0.8	1.1	1.9	4.8	3.0	3.6	1.6	2.7	10.5
Mountain	5.4	0.3	0.2	0.2	0.6	1.6	0.6	0.9	0.4	0.6	16.5
Pacific	15.0	0.5	0.7	0.9	1.3	3.2	2.4	2.7	1.2	2.1	12.8
Urban Status											
Urban	75.8	3.7	3.6	4.5	6.7	14.3	12.8	10.8	5.2	14.2	6.1
Central City	30.6	1.1	1.0	1.2	2.1	4.9	4.6	4.3	2.6	8.7	9.2
Suburban	45.2	2.6	2.6	3.3	4.6	9.4	8.2	6.4	2.6	5.5	7.2
Rural	20.8	0.7	1.1	1.0	1.7	3.9	2.2	2.3	1.7	6.2	9.8
Climate Zone											
Under 2,000 CDD and--											
Over 7,000 HDD	8.7	0.3	0.4	0.4	0.7	1.5	0.6	0.9	0.7	3.2	24.1
5,500 to 7,000 HDD	26.5	1.2	1.1	0.9	1.3	4.6	4.9	2.9	2.0	7.5	14.4
4,000 to 5,499 HDD	22.5	0.7	1.2	1.4	1.6	4.0	3.1	3.2	1.6	5.6	14.5
Under 4,000 HDD	17.8	0.8	0.8	0.9	1.6	3.3	3.1	3.2	1.4	2.6	14.6
2,000 CDD or More and --											
Under 4,000 HDD	21.2	1.5	1.2	1.9	3.2	4.8	3.3	2.8	1.2	1.4	12.4
Heated Floorspace Category (square feet)											
Fewer than 600	7.5	Q	0.2	0.3	0.5	1.4	1.5	0.8	0.6	2.1	17.7
600 to 999	21.8	0.6	0.8	1.2	2.2	5.0	3.7	2.6	1.9	3.8	9.9
1,000 to 1,599	27.8	1.4	1.5	1.7	2.6	5.1	3.8	4.3	2.0	5.4	8.6
1,600 to 1,999	12.4	0.6	0.7	0.7	1.0	1.8	2.3	2.1	0.8	2.3	11.9
2,000 to 2,399	9.6	0.5	0.4	0.5	0.8	1.7	1.4	1.3	0.6	2.5	14.3
2,400 to 2,999	8.2	0.5	0.5	0.5	0.6	1.4	1.0	1.0	0.6	2.2	13.1
3,000 or More	9.3	0.7	0.6	0.7	0.6	1.7	1.4	1.0	0.3	2.2	14.7
Ownership of Unit											
Owned	63.2	3.3	3.6	3.6	5.3	11.4	9.6	9.5	4.5	12.2	6.1
Rented	33.4	1.1	1.1	1.9	3.1	6.7	5.4	3.6	2.4	8.1	8.7

See footnotes at end of table.

Table 3.2b. Household Characteristics by Year of Construction, Percent of U.S. Households, 1993

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.9	1.0	0.9	1.2	0.7	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Census Region and Division											
Northeast	20.2	12.9	14.1	12.4	13.1	13.7	18.2	22.0	23.5	33.0	11.9
New England	5.2	2.2	4.2	4.7	3.0	3.4	4.8	4.8	5.9	9.3	16.7
Middle Atlantic	14.9	10.7	9.9	7.7	10.1	10.4	13.4	17.2	17.6	23.8	15.4
Midwest	24.1	21.9	22.1	14.7	15.7	20.7	27.7	17.0	23.0	36.4	10.7
East North Central	16.9	10.1	16.0	10.3	10.5	14.7	23.1	11.6	16.3	24.1	12.3
West North Central	7.2	11.7	6.1	4.4	5.2	6.1	4.6	5.4	6.6	12.3	23.2
South	34.7	48.8	45.7	52.9	48.2	39.0	33.9	33.3	30.8	17.3	6.5
South Atlantic	18.0	31.2	27.4	34.4	22.0	19.3	17.5	17.1	15.3	7.4	10.1
East South Central	6.2	7.3	7.7	6.9	6.8	8.0	5.3	6.3	6.2	4.2	13.9
West South Central	10.5	10.4	10.7	11.6	19.4	11.7	11.2	9.9	9.3	5.6	13.1
West	21.1	16.4	18.0	19.9	23.0	26.5	20.1	27.7	22.8	13.3	9.8
Mountain	5.5	6.3	3.3	4.0	7.4	8.7	4.1	7.0	5.2	3.0	17.1
Pacific	15.5	10.1	14.7	15.9	15.6	17.8	16.0	20.7	17.6	10.3	12.2
Urban Status											
Urban	78.4	83.6	76.2	82.0	79.4	78.7	85.2	82.6	75.1	69.6	2.6
Central City	31.7	24.7	22.0	22.2	24.5	27.1	30.7	33.2	37.0	42.8	7.9
Suburban	46.8	58.9	54.2	59.8	54.9	51.5	54.5	49.4	38.1	26.8	5.2
Rural	21.6	16.4	23.8	18.0	20.6	21.3	14.8	17.4	24.9	30.4	9.4
Climate Zone											
Under 2,000 CDD and--											
Over 7,000 HDD	9.0	6.7	9.2	6.8	8.3	8.0	4.3	6.6	10.2	15.8	23.7
5,500 to 7,000 HDD	27.4	26.7	23.2	16.8	15.7	25.5	32.7	22.5	29.1	36.7	13.4
4,000 to 5,499 HDD	23.2	14.9	26.2	25.6	19.0	22.0	20.5	24.8	23.0	27.8	13.4
Under 4,000 HDD	18.4	18.6	16.7	16.7	18.7	18.0	20.8	24.6	21.0	12.9	14.4
2,000 CDD or More and --											
Under 4,000 HDD	21.9	33.1	24.7	34.1	38.3	26.5	21.8	21.6	16.7	6.8	11.4
Heated Floorspace Category (square feet)											
Fewer than 600	7.8	Q	3.3	6.1	6.2	7.9	9.7	6.0	8.4	10.1	17.2
600 to 999	22.6	13.4	17.7	21.8	26.2	27.5	24.4	19.8	27.7	18.6	8.5
1,000 to 1,599	28.8	31.1	31.5	30.1	31.3	28.2	25.1	32.8	29.3	26.6	6.9
1,600 to 1,999	12.8	14.5	14.5	12.7	12.3	9.9	15.3	16.4	11.6	11.3	10.7
2,000 to 2,399	10.0	10.4	9.4	8.2	9.7	9.5	9.2	9.8	8.9	12.1	13.2
2,400 to 2,999	8.5	10.4	10.0	8.6	7.6	7.5	6.7	7.5	9.1	10.7	12.4
3,000 or More	9.6	16.1	13.5	12.5	6.7	9.6	9.6	7.6	4.9	10.6	13.8
Ownership of Unit											
Owned	65.4	74.9	76.3	65.9	63.2	63.1	64.0	72.6	65.7	60.0	3.5
Rented	34.6	25.1	23.7	34.1	36.8	36.9	36.0	27.4	34.3	40.0	7.3

See footnotes at end of table.

Table 3.2a. Household Characteristics by Year of Construction, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.8	1.4	1.4	1.1	0.8	0.9	0.9	1.2	0.8	
Type and Ownership of Housing Unit											
Single-Family Detached	59.6	2.7	2.7	2.8	4.0	9.3	9.4	10.5	4.9	13.3	6.4
Owned	51.3	2.6	2.5	2.5	3.6	8.5	8.3	8.8	4.0	10.5	6.9
Rented	8.2	0.1	0.2	0.3	0.4	0.8	1.1	1.7	0.9	2.7	15.6
Single-Family Attached	7.2	0.4	0.5	0.7	1.2	1.1	0.8	0.6	0.6	1.3	20.4
Owned	4.4	0.3	0.4	0.5	0.7	0.6	0.4	0.3	0.3	0.8	25.3
Rented	2.8	0.1	0.1	0.2	0.4	0.5	0.4	0.3	0.3	0.5	25.2
Multifamily (2 to 4 units)	8.0	0.1	0.3	0.2	0.5	1.1	1.0	0.8	0.7	3.3	20.2
Owned	1.5	Q	Q	Q	Q	Q	Q	0.2	Q	0.8	31.1
Rented	6.5	Q	0.2	0.1	0.5	1.1	0.9	0.6	0.6	2.5	21.4
Multifamily (5 or more units)	16.2	0.8	0.5	1.2	1.8	4.7	3.2	1.0	0.7	2.4	15.0
Owned	1.6	Q	Q	Q	0.2	0.7	0.3	Q	Q	Q	43.4
Rented	14.7	0.8	0.5	1.0	1.6	4.0	3.0	0.9	0.6	2.4	15.1
Mobile Home	5.6	0.5	0.6	0.7	0.9	2.0	0.6	Q	Q	Q	15.4
Owned	4.4	0.4	0.5	0.5	0.7	1.6	0.4	Q	Q	Q	17.3
Rented	1.2	Q	Q	0.2	0.2	0.4	Q	Q	Q	Q	27.3
Observed Location of Household											
City	44.7	1.7	1.5	2.0	3.5	7.5	7.4	6.6	3.4	11.1	8.0
Town	15.8	0.5	0.8	0.7	1.1	2.5	2.0	1.9	1.4	4.9	14.6
Suburbs	19.9	1.3	1.4	1.8	2.2	4.2	3.5	3.2	1.2	1.2	12.3
Rural or Open Country	16.2	1.0	1.1	1.0	1.6	4.0	2.2	1.3	0.9	3.1	11.6
Total Number of Rooms (Excluding Bathrooms)											
1 or 2	3.2	Q	Q	Q	0.2	0.7	0.6	Q	Q	1.1	25.7
3 to 5	47.4	2.1	2.2	2.8	4.9	9.6	7.1	5.8	3.8	9.0	7.2
6 to 8	40.2	1.9	2.1	2.1	3.1	6.6	6.5	6.3	2.8	8.9	7.5
9 or More	5.8	0.3	0.3	0.5	0.2	1.1	0.8	0.8	0.3	1.4	19.3
Bedrooms											
None or 1	12.9	0.4	0.3	0.6	1.2	2.6	2.5	1.1	0.8	3.6	14.9
2	30.0	1.0	1.3	1.6	2.7	6.0	4.1	3.8	3.0	6.5	9.1
3	38.5	2.3	2.1	2.4	3.5	6.5	6.2	6.5	2.3	6.8	7.3
4 or More	15.2	0.8	1.0	1.0	1.0	3.0	2.3	1.7	0.9	3.4	11.9
Other Rooms (Excluding Bathrooms)											
None or 1	4.4	0.3	0.2	0.2	0.3	1.0	0.7	0.2	0.2	1.2	20.5
2	35.6	1.5	1.6	2.0	4.1	7.9	5.5	4.4	2.6	5.9	8.1
3	31.7	1.4	1.6	1.8	2.6	4.7	5.1	4.7	2.5	7.4	8.2
4	16.3	0.8	0.8	0.9	1.1	3.0	2.5	2.4	1.1	3.7	11.0
5 or More	8.7	0.4	0.5	0.6	0.5	1.5	1.2	1.2	0.5	2.2	15.5
Full Bathrooms											
None or 1	61.6	1.2	1.5	2.0	4.2	10.7	10.2	9.5	5.5	17.0	6.8
2	30.9	2.9	2.9	3.2	3.8	6.5	4.5	3.0	1.3	3.0	8.1
3 or More	4.1	0.4	0.3	0.3	0.5	1.0	0.4	0.6	Q	0.4	19.5
Half Bathrooms											
None	71.5	3.1	3.1	3.5	5.9	13.6	10.4	9.7	5.5	16.7	5.7
1	23.9	1.3	1.6	2.0	2.4	4.3	4.3	3.3	1.3	3.5	9.6
2 or More	1.2	Q	Q	Q	0.2	0.2	0.4	Q	Q	Q	29.6

See footnotes at end of table.

Table 3.2b. Household Characteristics by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.9	1.0	0.9	1.2	0.7	
Type and Ownership of Housing Unit											
Single-Family Detached	61.7	60.8	57.4	50.8	47.5	51.0	62.5	80.6	71.0	65.2	4.4
Owned	53.1	57.8	53.8	45.0	42.6	46.7	55.4	67.3	58.2	51.8	4.9
Rented	8.5	3.0	3.6	5.9	4.9	4.3	7.1	13.3	12.7	13.4	15.5
Single-Family Attached	7.5	8.7	11.5	11.9	14.0	6.1	5.5	4.9	8.9	6.3	19.6
Owned	4.6	6.4	8.6	8.4	8.7	3.5	2.9	2.6	4.6	3.8	24.6
Rented	2.9	2.3	2.9	3.6	5.3	2.5	2.6	2.3	4.2	2.4	24.8
Multifamily (2 to 4 units)	8.3	2.3	6.9	3.2	5.9	6.3	6.6	6.1	9.8	16.2	19.6
Owned	1.5	Q	Q	Q	Q	Q	Q	1.5	Q	4.0	29.4
Rented	6.7	Q	5.1	2.4	5.3	5.9	5.9	4.5	8.1	12.2	20.8
Multifamily (5 or more units)	16.8	17.5	10.9	21.2	21.5	25.6	21.6	7.5	9.6	11.9	13.8
Owned	1.6	Q	Q	Q	2.5	3.8	1.9	Q	Q	Q	40.7
Rented	15.2	16.8	10.3	18.9	19.0	21.9	19.7	6.9	8.4	11.7	14.2
Mobile Home	5.8	10.6	13.3	12.8	11.0	11.0	3.7	Q	Q	Q	14.6
Owned	4.6	9.6	11.5	9.4	8.7	8.7	3.0	Q	Q	Q	16.5
Rented	1.2	Q	Q	3.4	2.3	2.3	Q	Q	Q	Q	26.4
Observed Location of Household											
City	46.2	38.0	30.8	36.9	41.8	41.4	49.3	50.2	49.5	54.4	6.1
Town	16.3	12.1	16.3	12.4	12.7	13.6	13.1	14.7	20.8	24.2	13.7
Suburbs	20.6	28.0	29.2	32.3	26.3	23.2	23.0	24.7	17.3	6.0	10.7
Rural or Open Country	16.8	21.9	23.6	18.4	19.3	21.9	14.6	10.3	12.4	15.4	11.5
Total Number of Rooms (Excluding Bathrooms)											
1 or 2	3.3	Q	Q	Q	2.5	4.1	3.8	Q	Q	5.2	24.5
3 to 5	49.0	48.0	46.9	50.3	58.1	53.2	47.6	44.6	54.4	44.0	5.0
6 to 8	41.6	41.7	44.1	38.7	36.9	36.6	43.0	47.9	40.0	43.7	5.8
9 or More	6.0	7.8	7.4	9.0	2.5	6.1	5.6	5.9	3.8	7.1	18.4
Bedrooms											
None or 1	13.4	8.3	6.6	10.2	14.2	14.5	16.5	8.1	10.9	17.6	14.2
2	31.1	23.4	27.2	28.6	31.8	32.9	27.2	29.1	43.6	32.2	7.6
3	39.8	51.0	44.6	43.1	41.7	35.8	41.1	49.6	32.6	33.4	5.4
4 or More	15.7	17.3	21.6	18.2	12.2	16.8	15.3	13.1	12.9	16.9	10.7
Other Rooms (Excluding Bathrooms)											
None or 1	4.6	7.4	5.0	4.5	3.1	5.7	4.4	1.8	3.1	5.8	20.0
2	36.8	33.6	34.6	37.2	48.3	43.4	36.7	34.1	37.2	29.0	6.5
3	32.8	31.8	34.4	32.0	30.1	25.9	33.8	36.2	35.7	36.3	6.4
4	16.8	17.7	16.4	15.7	13.1	16.5	16.9	18.5	16.5	18.0	9.9
5 or More	9.0	9.5	9.6	10.6	5.5	8.5	8.2	9.4	7.5	10.8	14.7
Full Bathrooms											
None or 1	63.8	25.9	31.3	35.7	49.7	58.8	67.8	72.5	80.0	83.4	4.2
2	32.0	64.2	62.0	58.6	44.3	35.8	29.6	22.8	18.7	14.5	6.1
3 or More	4.2	9.8	6.7	5.7	5.9	5.5	2.6	4.7	Q	2.1	19.2
Half Bathrooms											
None	74.0	69.6	65.2	63.8	69.4	75.1	69.1	74.4	80.1	81.9	3.0
1	24.8	29.4	34.2	35.6	28.4	23.6	28.4	25.0	18.9	17.4	8.1
2 or More	1.2	Q	Q	Q	2.2	1.2	2.6	Q	Q	Q	28.0

See footnotes at end of table.

Table 3.2a. Household Characteristics by Year of Construction, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.8	1.4	1.4	1.1	0.8	0.9	0.9	1.2	0.8	
Number of Stories											
Single-Family Homes	66.8	3.1	3.2	3.4	5.2	10.4	10.2	11.2	5.5	14.5	6.0
1 Story	40.6	1.7	1.8	1.7	3.0	6.7	7.9	8.5	3.6	5.8	7.6
2 Stories	22.4	1.3	1.2	1.6	1.9	2.7	1.7	2.3	1.8	7.9	10.5
3 Stories	1.6	0.1	0.1	0.1	Q	Q	Q	Q	Q	0.8	29.6
Split-Level	2.2	0.1	0.1	0.1	0.2	0.8	0.5	0.3	Q	Q	26.6
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.6	0.5	0.6	0.7	0.9	2.0	0.6	Q	Q	Q	15.4
Multi-Story Apartment Building	24.2	0.9	0.8	1.3	2.3	5.8	4.2	1.8	1.3	5.7	12.0
Outside Wall Material											
Brick	26.6	0.9	0.9	1.1	2.6	5.3	6.3	3.1	1.8	4.6	10.2
Wood	27.6	1.4	1.4	1.6	2.5	4.7	2.8	3.4	2.1	7.7	10.1
Siding	22.9	1.6	1.8	1.8	1.8	4.5	2.6	2.5	1.6	4.9	9.9
Stucco	10.3	0.5	0.4	0.7	1.1	2.3	1.5	1.9	0.7	1.2	15.2
Composition	4.1	Q	0.1	Q	Q	0.3	0.6	0.9	0.5	1.4	20.9
Concrete/Block	4.3	Q	Q	0.2	0.4	1.0	1.0	1.0	0.2	0.3	28.0
Other	0.8	Q	Q	Q	Q	Q	0.2	Q	Q	0.3	46.9
Foundation/Basement (More than one may apply)											
Basement	33.8	1.2	1.2	1.2	1.3	4.2	4.6	4.7	2.8	12.6	9.6
Crawlspace	24.8	0.7	0.9	0.9	1.3	3.5	3.8	5.0	2.7	6.1	10.3
Enclosed	19.4	0.6	0.7	0.8	1.1	2.9	3.1	3.7	1.9	4.6	11.1
Open to Outside	5.6	0.1	0.2	0.1	0.2	0.6	0.7	1.3	0.8	1.5	21.1
Concrete Slab	23.4	1.6	1.7	1.8	3.4	4.8	3.9	3.1	1.2	1.9	10.5
Other	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	104.7
Not Asked (Mobile Homes and Buildings with 5 or More Units)	21.8	1.3	1.1	1.9	2.8	6.7	3.8	1.1	0.7	2.5	12.2
Garage/Carport											
Yes	46.7	2.7	2.7	2.8	4.2	8.3	7.7	7.6	3.1	7.5	7.6
1-Car Garage	14.4	0.3	0.5	0.6	0.9	1.6	2.2	3.4	1.5	3.5	13.6
2-Car Garage	24.7	2.1	1.7	1.7	2.7	5.1	3.9	3.3	1.1	3.1	10.1
3-Car Garage	2.1	0.3	0.3	0.2	0.2	0.2	0.2	Q	Q	0.5	22.8
Covered Carport	6.3	0.1	0.3	0.3	0.5	1.4	1.6	1.0	0.5	0.6	17.6
No	26.9	0.9	1.2	1.4	2.1	4.3	3.4	3.9	2.6	7.1	8.4
Not Asked (Apartments)	24.2	0.9	0.8	1.3	2.3	5.8	4.2	1.8	1.3	5.7	12.0
Fuels Used For Any Use (more than one often used)											
Electricity	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.3	5.3
Natural Gas	58.4	2.3	2.1	2.6	4.0	8.6	9.8	9.4	4.9	14.7	7.4
Fuel Oil	10.9	0.1	0.2	0.2	0.3	1.4	1.3	1.9	1.2	4.3	16.5
LPG ²	8.6	0.4	0.5	0.5	0.7	1.6	1.2	0.9	0.6	2.3	16.8
Kerosene	3.7	0.1	0.2	0.2	0.2	0.6	0.7	0.4	0.2	1.2	22.6
Wood	22.2	1.3	1.6	1.6	2.4	5.0	3.2	3.0	1.2	2.8	9.8
Solar	1.2	Q	Q	0.1	0.2	0.3	0.3	0.2	Q	Q	33.2
Coal	0.6	Q	Q	Q	Q	Q	Q	Q	Q	0.3	90.0
Natural Gas Available in Neighborhood											
Yes	69.0	2.6	2.6	3.3	4.9	11.2	11.6	10.7	5.6	16.3	6.6
No	27.6	1.8	2.1	2.2	3.5	6.9	3.4	2.4	1.3	4.1	10.5

See footnotes at end of table.

Table 3.2b. Household Characteristics by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.9	1.0	0.9	1.2	0.7	
Number of Stories											
Single-Family Homes	69.1	69.5	68.9	62.8	61.5	57.1	68.0	85.5	79.8	71.4	3.6
1 Story	42.0	37.5	37.9	30.7	35.0	37.0	52.6	64.9	51.6	28.5	6.2
2 Stories	23.2	28.2	26.4	28.6	22.7	15.0	11.5	17.4	25.5	38.9	9.1
3 Stories	1.7	2.1	2.0	2.0	Q	Q	Q	Q	Q	3.8	28.4
Split-Level	2.2	1.8	2.1	1.4	2.3	4.5	3.4	2.1	Q	Q	26.3
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.8	10.6	13.3	12.8	11.0	11.0	3.7	Q	Q	Q	14.6
Multi-Story Apartment Building	25.1	19.9	17.8	24.4	27.5	31.9	28.2	13.5	19.4	28.1	10.5
Outside Wall Material											
Brick	27.5	21.1	19.1	19.3	30.7	29.2	41.9	24.0	25.6	22.6	8.8
Wood	28.6	30.7	29.6	29.2	29.3	25.7	18.9	26.2	31.0	37.9	8.8
Siding	23.7	35.8	38.5	32.2	20.7	24.6	17.1	19.5	22.7	23.8	8.4
Stucco	10.7	10.7	9.0	13.6	12.8	12.8	10.0	14.6	9.6	5.9	14.7
Composition	4.2	Q	1.7	Q	Q	1.8	4.3	7.0	7.7	6.7	20.8
Concrete/Block	4.4	Q	Q	4.5	4.8	5.5	6.8	7.5	2.5	1.6	27.1
Other	0.9	Q	Q	Q	Q	Q	1.1	Q	Q	1.5	45.0
Foundation/Basement (More than one may apply)											
Basement	35.0	25.8	24.8	22.3	15.8	23.2	30.4	36.2	41.1	61.9	8.1
Crawlspace	25.7	16.6	18.4	16.3	14.9	19.2	25.1	38.3	39.1	29.8	9.5
Enclosed	20.1	13.7	14.9	14.4	13.0	15.9	20.5	28.4	27.3	22.8	10.6
Open to Outside	5.8	2.9	3.5	2.3	2.1	3.6	4.9	9.9	11.9	7.2	20.7
Concrete Slab	24.2	34.8	35.9	33.5	40.5	26.3	26.2	23.8	16.8	9.3	9.2
Other	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	92.6
Not Asked (Mobile Homes and Buildings with 5 or More Units)	22.6	28.1	24.2	33.7	32.6	36.7	25.3	8.4	10.4	12.4	10.8
Garage/Carport											
Yes	48.3	61.2	58.0	50.3	50.0	45.7	51.3	58.0	44.9	36.9	5.6
1-Car Garage	14.9	6.7	9.9	11.3	10.5	8.9	14.4	25.8	21.5	17.1	12.4
2-Car Garage	25.6	46.0	36.9	31.3	31.6	28.2	26.0	25.4	15.9	15.2	8.5
3-Car Garage	2.2	7.1	5.9	3.4	2.6	1.3	1.2	Q	Q	2.3	22.5
Covered Carport	6.5	2.5	6.0	5.4	6.0	7.9	10.4	7.6	7.1	3.0	17.5
No	27.8	20.3	25.9	26.3	24.4	23.5	22.3	29.8	38.1	35.0	7.8
Not Asked (Apartments)	25.1	19.9	17.8	24.4	27.5	31.9	28.2	13.5	19.4	28.1	10.5
Fuels Used For Any Use (more than one often used)											
Electricity	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8	99.7	NE
Natural Gas	60.4	51.4	44.6	48.2	46.9	47.4	65.3	71.6	71.1	72.2	5.2
Fuel Oil	11.3	2.9	4.8	3.0	3.6	7.6	8.7	14.2	17.5	21.3	16.0
LPG ²	8.9	9.3	10.3	9.0	7.7	9.0	7.7	6.9	8.2	11.4	16.7
Kerosene	3.8	1.2	3.5	3.2	2.7	3.5	4.5	3.0	3.1	5.8	22.8
Wood	23.0	28.2	34.9	28.9	27.9	27.7	21.4	23.3	18.1	13.8	8.7
Solar	1.2	Q	Q	1.7	2.0	1.5	1.7	1.5	Q	Q	31.9
Coal	0.6	Q	Q	Q	Q	Q	Q	Q	Q	1.3	86.3
Natural Gas Available in Neighborhood											
Yes	71.4	58.9	55.2	60.4	58.5	61.9	77.5	82.0	81.3	80.0	4.0
No	28.6	41.1	44.8	39.6	41.5	38.1	22.5	18.0	18.7	20.0	9.2

See footnotes at end of table.

Table 3.2a. Household Characteristics by Year of Construction, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.8	1.4	1.4	1.1	0.8	0.9	0.9	1.2	0.8	
1993 Family Income Category											
Less than \$5,000	4.1	0.1	Q	0.1	0.4	0.8	0.5	0.4	0.5	1.1	19.8
\$5,000 to \$9,999	10.6	0.2	0.2	0.5	0.9	2.0	1.8	1.2	0.9	2.9	14.5
\$10,000 to \$14,999	11.1	0.3	0.4	0.4	0.8	2.0	1.7	1.7	1.0	2.9	11.7
\$15,000 to \$19,999	9.6	0.2	0.4	0.5	0.9	1.5	1.8	1.2	0.8	2.3	13.1
\$20,000 to \$24,999	8.7	0.2	0.3	0.6	0.5	1.7	1.3	1.2	0.6	2.3	13.3
\$25,000 to \$34,999	14.1	0.7	0.7	0.7	1.1	2.9	2.1	2.1	0.8	2.9	11.2
\$35,000 to \$49,999	17.5	1.2	1.0	1.2	1.5	3.1	2.8	2.3	1.2	3.1	10.2
\$50,000 to \$74,999	12.6	1.0	1.0	0.9	1.2	2.4	1.8	1.8	0.6	1.9	11.6
\$75,000 or More	8.3	0.5	0.6	0.7	1.0	1.7	1.3	1.2	0.4	1.1	14.3
Below Poverty Line											
100 Percent	14.4	0.3	0.4	0.6	1.3	2.7	2.0	1.8	1.3	3.8	11.7
125 Percent	19.4	0.5	0.6	0.9	1.7	3.6	2.7	2.5	1.9	5.1	10.2
Eligible for Federal Assistance ³ ...	30.7	0.7	0.9	1.3	2.5	5.6	4.6	4.0	2.8	8.3	8.3
Payment Method for Fuel and Electricity											
All Paid by Household	83.1	4.3	4.5	5.2	7.7	15.4	12.0	11.8	5.7	16.6	5.6
Some Paid, Some in Rent	8.3	0.1	0.2	0.2	0.4	1.8	2.0	0.6	0.8	2.1	19.1
All Included in Rent	4.1	Q	Q	Q	0.3	0.8	0.9	0.5	0.2	1.1	27.5
Other Method	1.1	Q	Q	Q	Q	Q	0.2	Q	Q	0.5	37.1
Age of Householder											
Under 25 Years	5.7	0.3	0.2	0.4	0.5	1.3	0.7	0.6	0.3	1.2	18.8
25 to 34 Years	19.9	1.3	1.3	1.5	2.1	3.6	2.8	2.2	1.2	4.0	9.5
35 to 44 Years	21.4	1.2	1.6	1.7	2.2	4.0	2.2	3.0	1.2	4.2	8.6
45 to 59 Years	21.9	0.9	0.8	1.1	1.9	4.5	4.1	3.0	1.5	4.0	8.8
60 Years and Over	27.8	0.7	0.7	0.9	1.7	4.8	5.2	4.2	2.7	7.0	9.1
Race of Householder											
White	80.2	4.0	4.1	4.8	6.9	15.0	12.4	10.9	5.3	16.8	5.9
Black	10.9	0.2	0.4	0.4	0.8	2.1	1.7	1.5	1.2	2.6	14.9
Other ⁴	5.5	0.2	0.2	0.3	0.8	1.1	0.9	0.6	0.4	0.9	16.9
Householder of Hispanic Descent											
Yes	7.9	0.3	0.3	0.4	0.7	1.4	1.1	1.4	0.6	1.7	14.8
No	88.7	4.2	4.4	5.1	7.7	16.7	13.9	11.7	6.4	18.7	5.6
Household Size											
1 Person	23.5	0.8	0.7	1.0	1.8	4.8	4.1	2.7	1.7	5.8	10.2
2 Persons	31.7	1.6	1.4	1.6	2.8	5.6	5.5	4.4	2.5	6.3	7.2
3 Persons	16.6	0.9	0.9	1.0	1.5	3.0	2.4	2.1	1.2	3.5	9.8
4 Persons	14.6	0.6	1.0	1.2	1.5	2.7	1.9	2.1	0.8	2.8	10.1
5 Persons	6.8	0.3	0.4	0.5	0.6	1.3	0.6	1.3	0.4	1.3	14.3
6 or More Persons	3.5	0.1	0.2	0.2	0.3	0.7	0.4	0.6	0.2	0.7	20.6
Household Owns or Has Regular Use of a Motor Vehicle											
No	11.9	Q	0.2	0.4	0.6	2.1	1.7	1.3	1.3	4.1	15.5
Yes	84.7	4.2	4.5	5.1	7.8	16.1	13.3	11.8	5.6	16.2	5.6
1 Vehicle	34.2	1.4	1.4	1.8	2.8	6.4	5.6	4.7	2.5	7.6	7.5
2 Vehicles	36.4	2.2	2.3	2.6	3.6	6.5	5.2	5.0	2.4	6.6	7.1
3 Vehicles	10.8	0.5	0.5	0.5	1.1	2.4	2.0	1.6	0.6	1.6	12.4
4 or More Vehicles	3.2	Q	0.3	0.2	0.3	0.7	0.5	0.5	0.2	0.5	20.7

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.2b. Household Characteristics by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.9	1.0	0.9	1.2	0.7	
1993 Family Income Category											
Less than \$5,000	4.2	2.4	Q	2.7	4.6	4.5	3.2	3.3	7.6	5.3	19.8
\$5,000 to \$9,999	11.0	5.1	5.0	8.8	10.4	11.0	11.9	9.5	12.5	14.2	13.8
\$10,000 to \$14,999	11.5	7.1	8.3	6.4	10.0	11.1	11.2	12.6	14.5	14.1	10.9
\$15,000 to \$19,999	10.0	5.5	8.7	9.1	10.5	8.3	12.2	9.0	11.1	11.3	12.5
\$20,000 to \$24,999	9.1	5.4	6.4	10.4	6.1	9.6	8.6	9.0	9.0	11.2	12.1
\$25,000 to \$34,999	14.5	15.2	15.6	12.5	13.1	16.1	14.0	16.4	11.7	14.0	9.7
\$35,000 to \$49,999	18.1	27.5	20.9	21.6	18.2	17.2	18.8	17.4	18.0	15.1	8.7
\$50,000 to \$74,999	13.1	21.6	21.5	16.1	14.8	13.2	11.9	13.9	9.2	9.3	10.0
\$75,000 or More	8.6	10.2	11.8	12.3	12.3	9.1	8.4	9.0	6.4	5.4	13.8
Below Poverty Line											
100 Percent	14.9	7.4	9.2	10.4	15.4	15.0	13.6	14.2	18.7	18.9	11.3
125 Percent	20.0	10.2	11.7	15.7	19.9	20.1	18.1	19.1	27.0	25.1	9.6
Eligible for Federal Assistance³ ...											
	31.7	16.4	19.4	22.9	29.6	31.0	30.3	30.4	39.9	41.0	7.1
Payment Method for Fuel and Electricity											
All Paid by Household	86.0	96.1	96.0	93.9	90.7	84.8	79.7	90.0	82.9	81.8	1.9
Some Paid, Some in Rent	8.6	3.3	3.6	3.9	5.2	9.9	13.1	5.0	11.4	10.4	18.5
All Included in Rent	4.2	Q	Q	Q	4.0	4.7	6.1	4.2	3.5	5.3	26.8
Other Method	1.2	Q	Q	Q	Q	Q	1.1	Q	Q	2.5	35.2
Age of Householder											
Under 25 Years	5.9	7.6	4.9	7.6	6.4	7.4	4.8	4.8	5.0	5.7	18.3
25 to 34 Years	20.6	29.2	26.7	26.8	24.8	19.9	18.5	17.1	16.9	19.5	7.5
35 to 44 Years	22.1	26.9	34.9	30.1	26.1	21.9	14.9	23.1	17.7	20.8	7.2
45 to 59 Years	22.6	20.8	17.6	19.6	22.7	24.6	27.4	22.8	21.5	19.9	7.5
60 Years and Over	28.7	15.5	15.9	15.9	20.0	26.2	34.4	32.2	38.9	34.2	7.5
Race of Householder											
White	83.0	90.2	87.2	88.1	81.4	82.4	82.4	83.5	76.5	82.5	2.0
Black	11.3	5.1	8.2	6.5	9.4	11.3	11.4	11.6	17.9	12.9	14.3
Other ⁴	5.7	4.7	4.6	5.4	9.2	6.3	6.2	5.0	5.6	4.6	16.5
Householder of Hispanic Descent											
Yes	8.2	6.2	7.0	7.8	8.8	7.7	7.5	10.5	8.0	8.2	14.6
No	91.8	93.8	93.0	92.2	91.2	92.3	92.5	89.5	92.0	91.8	1.2
Household Size											
1 Person	24.3	18.9	15.2	19.0	21.0	26.4	27.4	20.3	24.9	28.7	8.2
2 Persons	32.8	35.7	30.1	29.6	32.7	31.0	36.6	33.4	36.7	30.8	5.5
3 Persons	17.2	20.7	20.1	18.9	18.0	16.5	16.2	15.9	17.1	17.0	8.3
4 Persons	15.1	14.4	21.7	21.0	17.4	14.9	13.0	15.7	11.9	13.7	9.0
5 Persons	7.0	7.2	9.3	8.5	7.2	7.2	4.1	10.1	6.2	6.2	13.6
6 or More Persons	3.6	3.1	3.6	3.0	3.7	3.9	2.8	4.5	3.3	3.6	20.6
Household Owns or Has Regular Use of a Motor Vehicle											
No	12.3	Q	3.7	6.9	7.7	11.4	11.6	9.7	18.5	20.4	14.8
Yes	87.7	95.0	96.3	93.1	92.3	88.6	88.4	90.3	81.5	79.6	1.7
1 Vehicle	35.4	31.5	30.6	32.0	33.6	35.5	37.2	36.2	36.0	37.1	5.5
2 Vehicles	37.7	50.3	49.3	47.7	42.1	35.8	34.5	38.2	34.6	32.4	4.9
3 Vehicles	11.2	12.1	9.8	9.4	13.0	13.4	13.5	12.0	8.6	7.8	11.5
4 or More Vehicles	3.3	Q	6.5	3.9	3.7	3.9	3.3	3.9	2.3	2.3	19.9

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.3a. Household Characteristics by Type and Ownership of Housing Unit, Million U.S. Households, 1993

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	1.9	1.3	0.9	2.6	1.0	1.3	1.5	1.9	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.9
Census Region and Division														
Northeast	19.5	11.9	10.6	1.3	2.9	0.9	2.1	4.1	0.4	3.7	0.5	0.4	0.1	10.6
New England	5.1	3.1	2.7	0.4	0.9	0.2	0.7	0.8	Q	0.8	0.2	0.2	Q	17.8
Middle Atlantic	14.4	8.8	7.9	0.9	2.0	0.6	1.4	3.3	0.3	3.0	0.3	0.2	Q	11.2
Midwest	23.3	16.6	14.4	2.2	1.8	0.3	1.5	3.5	0.3	3.2	1.4	1.2	0.2	12.5
East North Central	16.4	11.4	10.0	1.4	1.5	0.2	1.2	2.5	0.2	2.3	0.9	0.8	Q	13.6
West North Central	6.9	5.2	4.5	0.7	0.4	Q	0.3	0.9	Q	0.9	0.5	0.4	Q	24.6
South	33.5	24.8	20.3	4.6	1.6	0.2	1.5	4.4	Q	4.0	2.6	2.0	0.6	10.1
South Atlantic	17.4	12.2	9.9	2.3	1.0	0.2	0.8	2.7	Q	2.3	1.4	1.0	0.4	14.1
East South Central	6.0	4.7	4.0	0.7	0.2	Q	0.2	0.4	Q	0.4	0.7	0.6	0.1	12.1
West South Central	10.1	8.0	6.4	1.6	0.4	Q	0.4	1.3	Q	1.3	0.5	0.4	Q	17.3
West	20.4	13.5	10.5	3.0	1.6	0.1	1.5	4.3	0.5	3.8	1.0	0.8	0.2	12.7
Mountain	5.4	3.6	2.9	0.7	0.3	Q	0.3	0.8	Q	0.6	0.7	0.6	0.1	20.0
Pacific	15.0	9.9	7.6	2.3	1.3	Q	1.2	3.5	0.3	3.1	0.4	Q	Q	15.3
Urban Status														
Urban	75.8	50.5	42.0	8.5	6.9	1.3	5.6	15.3	1.4	13.9	3.1	2.6	0.5	7.3
Central City	30.6	16.9	13.0	4.0	4.1	0.9	3.2	8.7	0.7	8.1	0.8	0.7	0.1	9.6
Suburban	45.2	33.5	29.0	4.5	2.8	0.5	2.3	6.6	0.8	5.8	2.3	2.0	0.3	9.9
Rural	20.8	16.3	13.8	2.6	1.1	0.2	0.9	1.0	Q	0.8	2.5	1.8	0.7	11.9
Climate Zone														
Under 2,000 CDD and--														
Over 7,000 HDD	8.7	6.6	5.7	0.9	0.7	0.2	0.5	0.7	Q	0.6	0.7	0.5	0.2	26.5
5,500 to 7,000 HDD	26.5	17.5	15.1	2.4	2.9	0.7	2.2	4.6	0.4	4.3	1.4	1.3	0.2	16.4
4,000 to 5,499 HDD	22.5	15.2	13.3	1.9	2.0	0.4	1.6	4.5	0.4	4.1	0.8	0.5	0.3	16.1
Under 4,000 HDD	17.8	12.3	9.2	3.1	1.3	Q	1.2	3.4	Q	3.1	0.9	0.6	0.2	20.0
2,000 CDD or More and --														
Under 4,000 HDD	21.2	15.2	12.4	2.8	1.1	0.2	0.9	3.1	Q	2.6	1.8	1.5	0.3	15.1
Heated Floorspace Category (square feet)														
Fewer than 600	7.5	1.6	0.8	0.9	1.2	Q	1.2	4.1	0.2	3.9	0.6	0.3	0.3	15.4
600 to 999	21.8	7.4	4.5	2.9	3.4	0.3	3.1	7.8	0.6	7.2	3.2	2.5	0.8	9.5
1,000 to 1,599	27.8	20.2	16.3	4.0	2.3	0.5	1.8	3.7	0.5	3.3	1.5	1.4	Q	9.4
1,600 to 1,999	12.4	11.4	9.8	1.6	0.4	0.2	0.2	0.4	0.2	0.2	0.2	0.1	Q	18.5
2,000 to 2,399	9.6	9.1	8.4	0.8	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	15.8
2,400 to 2,999	8.2	8.0	7.5	0.6	0.1	Q	Q	Q	Q	Q	Q	Q	Q	17.0
3,000 or More	9.3	9.0	8.6	0.4	0.2	Q	Q	Q	Q	Q	Q	Q	Q	19.8
Year of Construction														
1939 or Before	20.4	14.5	11.3	3.2	3.3	0.8	2.5	2.4	Q	2.4	Q	Q	Q	11.1
1940 to 1949	6.9	5.5	4.3	1.2	0.7	Q	0.6	0.7	Q	0.6	Q	Q	Q	19.2
1950 to 1959	13.1	11.2	9.1	2.0	0.8	0.2	0.6	1.0	Q	0.9	Q	Q	Q	14.6
1960 to 1969	15.0	10.2	8.8	1.5	1.0	Q	0.9	3.2	0.3	3.0	0.6	0.4	Q	15.4
1970 to 1979	18.1	10.4	9.1	1.2	1.1	Q	1.1	4.7	0.7	4.0	2.0	1.6	0.4	12.6
1980 to 1984	8.5	5.2	4.3	0.9	0.5	Q	0.5	1.8	0.2	1.6	0.9	0.7	0.2	15.8
1985 to 1987	5.5	3.4	2.9	0.5	0.2	Q	0.1	1.2	Q	1.0	0.7	0.5	0.2	23.0
1988 to 1990	4.7	3.2	2.9	0.3	0.3	Q	0.2	0.5	Q	0.5	0.6	0.5	Q	21.0
1991 to 1993 ¹	4.5	3.1	2.9	0.2	0.1	Q	Q	0.8	Q	0.8	0.5	0.4	Q	28.7
Observed Location of Household														
City	44.7	26.4	20.8	5.7	5.4	1.0	4.4	11.6	1.2	10.4	1.3	1.0	0.2	9.2
Town	15.8	12.1	9.9	2.2	1.3	0.2	1.1	1.6	Q	1.5	0.8	0.6	0.2	15.7
Suburbs	19.9	15.3	13.8	1.5	1.1	0.3	0.8	2.9	0.2	2.7	0.7	0.6	Q	16.9
Rural or Open Country	16.2	13.0	11.3	1.7	0.3	Q	0.2	0.1	Q	0.1	2.8	2.2	0.7	17.8

See footnotes at end of table.

Table 3.3b. Household Characteristics by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993

Housing Unit and Household Characteristics	Total	Type and Ownership of Housing Unit											RSE Row Factors		
		Single-Family			Multifamily						Mobile Home				
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent	
					Total	Own	Rent	Total	Own	Rent					
RSE Column Factor:	0.4	0.4	0.4	0.9	1.1	1.9	1.3	0.9	2.5	1.0	1.2	1.4	1.8		
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Census Region and Division															
Northeast	20.2	17.8	19.0	11.7	36.5	57.8	31.7	25.3	24.5	25.3	9.7	9.4	10.9	10.5	
New England	5.2	4.6	4.8	3.8	11.3	15.2	10.3	5.2	Q	5.2	4.0	4.4	Q	17.7	
Middle Atlantic	14.9	13.2	14.2	7.9	25.3	42.5	21.3	20.1	19.4	20.1	5.7	5.0	Q	12.0	
Midwest	24.1	24.8	25.8	19.6	23.1	22.1	23.3	21.3	17.2	21.8	25.4	27.0	19.4	11.6	
East North Central	16.9	17.1	17.9	13.0	18.6	16.7	19.1	15.5	14.9	15.6	17.0	18.2	Q	13.4	
West North Central	7.2	7.7	8.0	6.6	4.4	Q	4.2	5.8	Q	6.2	8.4	8.7	Q	24.3	
South	34.7	37.2	36.3	41.4	20.5	11.8	22.5	27.2	28.1	27.1	46.8	45.9	50.2	9.1	
South Atlantic	18.0	18.3	17.7	21.0	12.4	11.0	12.7	16.9	Q	15.8	25.8	23.2	35.8	12.6	
East South Central	6.2	7.0	7.2	6.1	2.7	Q	3.3	2.6	Q	2.7	12.3	12.9	10.1	13.8	
West South Central	10.5	11.9	11.4	14.3	5.4	Q	6.5	7.7	Q	8.5	8.7	9.8	Q	16.6	
West	21.1	20.2	18.8	27.3	19.9	8.4	22.5	26.2	30.1	25.8	18.1	17.8	19.5	11.7	
Mountain	5.5	5.5	5.2	6.5	3.6	Q	3.9	4.8	Q	4.4	11.7	12.6	8.6	20.3	
Pacific	15.5	14.8	13.5	20.8	16.3	Q	18.7	21.4	21.7	21.4	6.4	Q	Q	14.0	
Urban Status															
Urban	78.4	75.5	75.3	76.7	86.3	89.9	85.5	94.2	92.6	94.3	56.0	60.1	41.0	2.8	
Central City	31.7	25.3	23.2	36.0	51.3	59.2	49.6	53.7	42.9	54.9	14.6	15.4	11.6	8.3	
Suburban	46.8	50.2	52.0	40.8	34.9	30.7	35.9	40.4	49.8	39.4	41.4	44.6	29.3	7.5	
Rural	21.6	24.5	24.7	23.3	13.7	10.1	14.5	5.8	Q	5.7	44.0	39.9	59.0	11.2	
Climate Zone															
Under 2,000 CDD and--															
Over 7,000 HDD	9.0	9.9	10.3	7.8	9.1	12.2	8.4	4.3	Q	4.4	11.8	11.3	13.6	26.5	
5,500 to 7,000 HDD	27.4	26.2	27.1	21.3	36.5	45.7	34.5	28.5	23.8	29.0	26.0	28.9	15.3	15.0	
4,000 to 5,499 HDD	23.2	22.8	23.8	17.5	24.7	26.2	24.3	27.6	24.9	27.9	13.6	10.7	24.2	16.1	
Under 4,000 HDD	18.4	18.4	16.5	28.3	15.6	Q	18.5	20.6	Q	21.0	15.6	14.4	20.0	18.7	
2,000 CDD or More and --															
Under 4,000 HDD	21.9	22.7	22.2	25.0	14.0	12.5	14.3	19.0	31.7	17.6	33.1	34.7	27.0	14.5	
Heated Floorspace Category (square feet)															
Fewer than 600	7.8	2.4	1.3	7.8	15.4	Q	18.1	25.2	11.5	26.7	10.3	7.2	21.8	14.8	
600 to 999	22.6	11.1	8.0	26.3	42.6	19.7	47.8	47.9	38.0	48.9	57.9	55.9	65.5	6.7	
1,000 to 1,599	28.8	30.3	29.2	35.8	28.8	35.8	27.2	23.1	29.1	22.4	26.9	32.0	Q	7.4	
1,600 to 1,999	12.8	17.0	17.6	14.2	5.2	11.3	3.8	2.6	15.8	1.2	3.3	3.3	Q	17.9	
2,000 to 2,399	10.0	13.7	15.0	6.8	3.8	12.9	Q	Q	Q	Q	Q	Q	Q	14.6	
2,400 to 2,999	8.5	12.0	13.4	5.0	1.9	Q	Q	Q	Q	Q	Q	Q	Q	15.7	
3,000 or More	9.6	13.5	15.4	3.9	2.4	Q	Q	Q	Q	Q	Q	Q	Q	18.6	
Year of Construction															
1939 or Before	21.1	21.8	20.3	29.1	41.2	54.2	38.2	14.9	Q	16.3	Q	Q	Q	10.1	
1940 to 1949	7.1	8.3	7.8	10.6	8.4	Q	8.6	4.1	Q	3.9	Q	Q	Q	17.8	
1950 to 1959	13.5	16.7	16.4	18.5	9.9	13.5	9.1	6.0	Q	6.2	Q	Q	Q	14.0	
1960 to 1969	15.5	15.3	15.7	13.1	12.5	Q	13.6	20.0	18.5	20.1	10.1	10.2	Q	14.0	
1970 to 1979	18.8	15.5	16.3	11.3	14.2	Q	16.5	28.6	43.9	27.0	35.9	36.1	35.2	10.5	
1980 to 1984	8.8	7.8	7.8	7.8	6.3	Q	6.9	11.2	13.6	11.0	16.8	16.8	16.5	15.2	
1985 to 1987	5.7	5.2	5.3	4.7	2.2	Q	2.0	7.2	8.3	7.1	12.6	11.8	15.7	21.2	
1988 to 1990	4.9	4.9	5.3	2.8	4.1	Q	3.7	3.2	Q	3.3	11.3	12.3	Q	20.0	
1991 to 1993 ¹	4.6	4.7	5.2	2.1	1.3	Q	Q	4.8	Q	5.1	8.5	9.7	Q	27.1	
Observed Location of Household															
City	46.2	39.6	37.2	51.3	67.1	64.6	67.7	71.5	77.7	70.8	22.7	23.4	19.8	6.7	
Town	16.3	18.1	17.7	19.7	15.9	13.9	16.4	9.8	Q	10.2	14.9	14.3	17.3	14.9	
Suburbs	20.6	22.8	24.8	13.2	13.7	18.0	12.7	18.0	15.7	18.3	11.7	13.0	Q	15.9	
Rural or Open Country	16.8	19.5	20.3	15.8	3.3	Q	3.2	0.7	Q	0.7	50.7	49.3	55.9	16.0	

See footnotes at end of table.

Table 3.3a. Household Characteristics by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	1.9	1.3	0.9	2.6	1.0	1.3	1.5	1.9	
Total Number of Rooms (Excluding Bathrooms)														
1 or 2	3.2	0.3	Q	0.2	0.6	Q	0.6	2.3	Q	2.2	Q	Q	Q	25.8
3 to 5	47.4	23.0	16.5	6.4	6.3	0.8	5.4	13.4	1.3	12.1	4.7	3.6	1.1	7.7
6 to 8	40.2	37.8	33.8	4.0	1.1	0.6	0.5	0.4	Q	0.4	0.8	0.7	Q	11.7
9 or More	5.8	5.7	5.3	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	23.4
Bedrooms														
None or 1	12.9	2.1	1.0	1.1	2.4	Q	2.2	8.2	0.5	7.8	0.2	0.2	Q	14.9
2	30.0	15.7	11.7	4.1	4.1	0.8	3.3	7.0	0.9	6.0	3.3	2.4	0.9	9.3
3	38.5	34.1	29.6	4.5	1.5	0.6	1.0	0.8	Q	0.7	2.0	1.8	0.2	9.3
4 or More	15.2	14.8	13.4	1.4	Q	Q	Q	0.2	Q	0.2	0.1	Q	Q	19.6
Other Rooms (Excluding Bathrooms)														
None or 1	4.4	0.9	0.5	0.4	0.7	Q	0.6	2.3	Q	2.2	0.5	0.4	0.2	20.5
2	35.6	17.1	12.0	5.2	4.2	0.4	3.8	10.6	0.7	9.9	3.6	2.8	0.8	8.6
3	31.7	24.9	21.2	3.8	2.6	0.7	1.9	3.0	0.6	2.4	1.2	1.0	0.2	10.0
4	16.3	15.4	14.2	1.2	0.5	0.3	0.2	Q	Q	Q	0.2	0.2	Q	15.4
5 or More	8.7	8.5	7.9	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	17.2
Full Bathrooms														
None or 1	61.6	37.3	28.9	8.5	7.2	1.1	6.0	13.7	0.7	12.9	3.4	2.5	0.9	6.6
2	30.9	25.4	23.0	2.4	0.8	0.3	0.5	2.6	0.8	1.8	2.1	1.9	0.2	11.9
3 or More	4.1	4.0	3.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	22.2
Half Bathrooms														
None	71.5	44.8	35.9	9.0	7.2	1.3	5.9	14.5	1.3	13.2	5.0	3.9	1.1	6.2
1	23.9	20.8	18.8	2.0	0.8	0.2	0.6	1.7	0.3	1.4	0.6	0.5	Q	14.4
2 or More	1.2	1.1	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	37.0
Number of Stories														
Single-Family Homes	66.8	66.8	55.8	11.0	--	--	--	--	--	--	--	--	--	4.5
1 Story	40.6	40.6	33.1	7.5	--	--	--	--	--	--	--	--	--	6.9
2 Stories	22.4	22.4	19.2	3.2	--	--	--	--	--	--	--	--	--	10.1
3 Stories	1.6	1.6	1.4	0.2	--	--	--	--	--	--	--	--	--	38.0
Split-Level	2.2	2.2	2.0	0.1	--	--	--	--	--	--	--	--	--	33.3
Other	Q	Q	Q	Q	--	--	--	--	--	--	--	--	--	NF
Mobile Homes	5.6	--	--	--	--	--	--	--	--	--	5.6	4.4	1.2	9.1
Multi-Story	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Apartment Building	24.2	--	--	--	8.0	1.5	6.5	16.2	1.6	14.7	--	--	--	6.9
Outside Wall Material														
Brick	26.6	15.5	13.3	2.1	2.8	0.4	2.4	8.3	0.5	7.7	Q	Q	Q	10.3
Wood	27.6	21.8	17.3	4.5	2.5	0.4	2.1	2.6	0.2	2.4	0.7	0.6	Q	13.1
Siding	22.9	16.2	14.6	1.6	1.1	0.3	0.8	0.9	0.1	0.8	4.7	3.6	1.1	12.9
Stucco	10.3	6.6	5.2	1.3	0.8	Q	0.6	3.0	0.4	2.6	Q	Q	Q	18.1
Composition	4.1	3.4	2.6	0.8	0.4	Q	0.3	Q	Q	Q	0.2	0.2	Q	23.9
Concrete/Block	4.3	2.7	2.1	0.5	0.3	Q	0.2	1.3	Q	1.0	Q	Q	Q	26.2
Other	0.8	0.7	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.0

See footnotes at end of table.

Table 3.3b. Household Characteristics by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.4	0.9	1.1	1.9	1.3	0.9	2.5	1.0	1.2	1.4	1.8	
Total Number of Rooms (Excluding Bathrooms)														
1 or 2	3.3	0.5	Q	2.1	7.3	Q	8.6	14.0	Q	14.7	Q	Q	Q	24.8
3 to 5	49.0	34.4	29.6	58.3	78.2	55.5	83.3	82.7	85.3	82.4	84.6	82.7	91.8	3.5
6 to 8	41.6	56.6	60.6	36.4	14.3	41.9	8.1	2.6	Q	2.5	14.7	16.4	Q	10.8
9 or More	6.0	8.5	9.6	3.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	21.5
Bedrooms														
None or 1	13.4	3.2	1.9	9.9	29.4	Q	34.4	50.7	29.2	53.0	3.7	3.9	Q	13.2
2	31.1	23.5	20.9	36.8	50.8	53.0	50.3	42.9	60.6	41.0	58.4	54.2	74.2	6.0
3	39.8	51.1	53.1	40.8	18.9	37.5	14.6	5.1	Q	4.5	36.0	40.1	20.5	8.2
4 or More	15.7	22.2	24.1	12.6	Q	Q	Q	1.3	Q	1.5	1.8	Q	Q	18.4
Other Rooms (Excluding Bathrooms)														
None or 1	4.6	1.3	0.8	3.4	8.8	Q	9.8	14.2	Q	14.7	9.8	8.9	13.2	20.3
2	36.8	25.7	21.5	46.8	52.2	24.5	58.5	65.2	42.8	67.6	65.5	64.7	68.6	5.5
3	32.8	37.3	38.0	34.1	32.2	47.3	28.8	18.6	40.4	16.3	21.2	22.1	17.8	8.2
4	16.8	23.1	25.5	10.7	6.0	19.9	2.8	Q	Q	Q	3.3	4.2	Q	14.4
5 or More	9.0	12.7	14.2	5.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	15.6
Full Bathrooms														
None or 1	63.8	55.9	51.8	76.9	89.8	77.0	92.7	84.0	48.2	87.8	61.6	56.7	80.1	3.4
2	32.0	38.1	41.3	21.9	9.7	21.8	7.0	15.8	51.8	12.0	38.3	43.2	19.9	10.1
3 or More	4.2	6.0	7.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	19.5
Half Bathrooms														
None	74.0	67.1	64.3	81.3	90.2	86.3	91.0	89.0	81.7	89.8	89.1	88.9	89.7	2.4
1	24.8	31.2	33.8	18.0	9.8	13.7	9.0	10.5	18.3	9.7	10.9	11.1	Q	13.0
2 or More	1.2	1.7	1.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.5
Number of Stories														
Single-Family Homes	69.1	100.0	100.0	100.0	--	--	--	--	--	--	--	--	--	3.9
1 Story	42.0	60.7	59.4	67.6	--	--	--	--	--	--	--	--	--	4.8
2 Stories	23.2	33.5	34.4	29.0	--	--	--	--	--	--	--	--	--	8.5
3 Stories	1.7	2.4	2.5	2.2	--	--	--	--	--	--	--	--	--	35.5
Split-Level	2.2	3.2	3.6	1.2	--	--	--	--	--	--	--	--	--	30.4
Other	Q	Q	Q	Q	--	--	--	--	--	--	--	--	--	NF
Mobile Homes	5.8	--	--	--	--	--	--	--	--	--	100.0	100.0	100.0	22.9
Multi-Story	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Apartment Building	25.1	--	--	--	100.0	100.0	100.0	100.0	100.0	100.0	--	--	--	10.8
Outside Wall Material														
Brick	27.5	23.2	23.9	19.3	35.3	27.8	37.0	50.9	34.2	52.7	Q	Q	Q	9.3
Wood	28.6	32.7	31.1	40.8	31.2	29.5	31.6	16.0	12.0	16.5	12.5	14.0	Q	11.6
Siding	23.7	24.2	26.1	14.4	14.3	22.8	12.4	5.7	7.8	5.5	84.0	82.3	90.4	9.8
Stucco	10.7	9.8	9.4	12.1	9.4	Q	9.7	18.4	24.5	17.7	Q	Q	Q	17.0
Composition	4.2	5.1	4.6	7.3	5.5	Q	5.3	Q	Q	Q	3.0	3.7	Q	23.0
Concrete/Block	4.4	4.0	3.8	4.7	3.9	Q	3.8	8.0	21.5	6.6	Q	Q	Q	23.7
Other	0.9	1.1	1.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.6

See footnotes at end of table.

Table 3.3a. Household Characteristics by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	1.9	1.3	0.9	2.6	1.0	1.3	1.5	1.9	
Foundation/Basement (More than one may apply)														
Basement	33.8	29.9	26.6	3.3	3.9	1.1	2.9	--	--	--	--	--	--	8.9
Crawlspace	24.8	23.6	19.3	4.3	1.2	0.1	1.1	--	--	--	--	--	--	11.4
Enclosed	19.4	18.4	15.1	3.3	1.0	Q	0.9	--	--	--	--	--	--	11.7
Open to Outside	5.6	5.3	4.3	1.0	0.3	Q	0.2	--	--	--	--	--	--	24.0
Concrete Slab	23.4	20.3	16.2	4.1	3.1	0.3	2.8	--	--	--	--	--	--	11.8
Other	0.3	Q	Q	Q	Q	Q	Q	--	--	--	--	--	--	116.7
Not Asked (Mobile Homes and Buildings with 5 or More Units)	21.8	--	--	--	--	--	--	16.2	1.6	14.7	5.6	4.4	1.2	7.1
Garage/Carport														
Yes	46.7	45.6	40.6	5.0	--	--	--	--	--	--	1.0	0.9	0.2	9.1
1-Car Garage	14.4	14.2	11.8	2.4	--	--	--	--	--	--	0.2	0.2	Q	15.8
2-Car Garage	24.7	24.5	22.7	1.8	--	--	--	--	--	--	0.2	0.2	Q	13.4
3-Car Garage	2.1	2.0	2.0	Q	--	--	--	--	--	--	Q	Q	Q	28.7
Covered Carport	6.3	5.7	4.9	0.8	--	--	--	--	--	--	0.6	0.5	Q	21.8
No	26.9	22.3	16.1	6.1	--	--	--	--	--	--	4.6	3.6	1.0	8.5
Not Asked (Apartments)	24.2	--	--	--	8.0	1.5	6.5	16.2	1.6	14.7	--	--	--	6.9
Fuels Used For Any Use (more than one often used)														
Electricity	96.6	66.7	55.7	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.9
Natural Gas	58.4	41.3	34.2	7.1	5.5	1.1	4.4	9.7	0.8	8.9	1.8	1.6	0.3	8.7
Fuel Oil	10.9	8.1	7.1	1.0	0.9	0.3	0.6	1.6	0.2	1.4	0.3	0.2	0.1	16.3
LPG ²	8.6	6.5	5.5	1.0	0.2	Q	0.1	Q	Q	Q	1.9	1.4	0.5	18.8
Kerosene	3.7	2.7	2.1	0.6	0.2	Q	Q	Q	Q	Q	0.7	0.4	0.3	22.3
Wood	22.2	20.4	18.5	1.9	0.6	0.2	0.4	0.5	Q	0.4	0.7	0.6	Q	17.6
Solar	1.2	1.1	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	41.7
Coal	0.6	0.5	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	129.4
Natural Gas Available in Neighborhood														
Yes	69.0	47.7	39.4	8.3	6.3	1.2	5.1	12.4	0.9	11.5	2.6	2.2	0.4	7.5
No	27.6	19.1	16.3	2.8	1.7	0.3	1.4	3.9	0.7	3.2	3.0	2.2	0.8	13.4
1993 Family Income Category														
Less than \$5,000	4.1	1.8	0.9	0.8	0.5	Q	0.5	1.5	Q	1.5	0.2	Q	0.2	18.4
\$5,000 to \$9,999	10.6	5.3	3.6	1.7	1.3	Q	1.2	3.1	Q	3.0	0.9	0.6	0.3	13.2
\$10,000 to \$14,999	11.1	6.3	4.7	1.6	1.3	Q	1.2	2.7	0.3	2.4	0.9	0.6	0.2	12.3
\$15,000 to \$19,999	9.6	6.0	4.6	1.4	1.1	0.2	0.9	1.6	Q	1.5	0.9	0.7	0.2	14.0
\$20,000 to \$24,999	8.7	5.8	4.6	1.2	0.9	Q	0.7	1.5	Q	1.5	0.6	0.5	Q	15.0
\$25,000 to \$34,999	14.1	9.9	8.5	1.5	0.8	0.2	0.6	2.2	0.3	1.9	1.1	0.9	0.1	12.4
\$35,000 to \$49,999	17.5	13.3	11.9	1.4	1.3	0.5	0.8	2.2	0.4	1.8	0.7	0.7	Q	11.7
\$50,000 to \$74,999	12.6	11.0	10.1	1.0	0.6	0.2	0.4	0.8	0.2	0.6	0.2	0.2	Q	15.4
\$75,000 or More	8.3	7.4	6.9	0.5	0.2	Q	Q	0.7	Q	0.5	Q	Q	Q	20.6
Below Poverty Line														
100 Percent	14.4	7.2	4.2	3.0	1.9	0.1	1.8	4.2	Q	4.1	1.1	0.6	0.5	11.4
125 Percent	19.4	10.1	6.5	3.7	2.4	0.2	2.2	5.1	Q	5.0	1.7	1.1	0.6	9.9
Eligible for Federal Assistance³ ...														
Eligible for Federal Assistance ³ ...	30.7	16.9	11.8	5.1	3.6	0.4	3.2	7.9	0.4	7.5	2.2	1.5	0.7	8.5
Payment Method for Fuel and Electricity														
All Paid by Household	83.1	65.6	55.4	10.2	4.7	1.2	3.6	7.6	0.9	6.7	5.2	4.1	1.1	7.0
Some Paid, Some in Rent	8.3	0.4	Q	0.3	1.7	Q	1.7	6.1	0.6	5.5	Q	Q	Q	15.3
All Included in Rent	4.1	0.5	Q	0.5	1.0	Q	1.0	2.4	Q	2.4	0.1	Q	Q	22.1
Other Method	1.1	0.3	Q	Q	0.6	0.3	0.3	Q	Q	Q	Q	Q	Q	31.1

See footnotes at end of table.

Table 3.3b. Household Characteristics by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.4	0.9	1.1	1.9	1.3	0.9	2.5	1.0	1.2	1.4	1.8	
Foundation/Basement (More than one may apply)														
Basement	35.0	44.7	47.6	30.2	49.3	72.4	44.0	--	--	--	--	--	--	7.2
Crawlspace	25.7	35.3	34.5	39.2	15.2	8.6	16.6	--	--	--	--	--	--	10.0
Enclosed	20.1	27.6	27.1	29.9	12.5	Q	14.0	--	--	--	--	--	--	10.6
Open to Outside	5.8	7.9	7.7	9.3	3.2	Q	3.5	--	--	--	--	--	--	22.2
Concrete Slab	24.2	30.4	29.0	37.3	38.2	20.3	42.3	--	--	--	--	--	--	9.2
Other	0.3	Q	Q	Q	Q	Q	Q	--	--	--	--	--	--	103.9
Not Asked (Mobile Homes and Buildings with 5 or More Units)	22.6	--	--	--	--	--	--	99.9	100.0	99.9	100.0	100.0	100.0	11.2
Garage/Carport														
Yes	48.3	68.3	72.9	45.2	--	--	--	--	--	--	18.3	19.8	12.8	7.6
1-Car Garage	14.9	21.3	21.1	22.1	--	--	--	--	--	--	3.6	3.7	Q	14.9
2-Car Garage	25.6	36.6	40.8	15.9	--	--	--	--	--	--	4.2	4.6	Q	12.4
3-Car Garage	2.2	3.1	3.6	Q	--	--	--	--	--	--	Q	Q	Q	25.6
Covered Carport	6.5	8.6	8.9	7.1	--	--	--	--	--	--	10.0	11.1	Q	20.7
No	27.8	33.4	28.9	55.6	--	--	--	--	--	--	83.0	81.8	87.4	5.0
Not Asked (Apartments)	25.1	--	--	--	100.0	100.0	100.0	100.0	100.0	100.0	--	--	--	10.8
Fuels Used For Any Use (more than one often used)														
Electricity	99.9	99.9	99.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Natural Gas	60.4	61.9	61.4	64.2	69.1	74.7	67.9	59.6	49.8	60.7	33.1	35.4	24.6	6.9
Fuel Oil	11.3	12.1	12.8	8.7	10.9	19.5	9.0	10.0	12.8	9.7	5.7	4.2	11.1	16.3
LPG ²	8.9	9.7	9.9	9.0	2.6	Q	1.9	Q	Q	Q	33.4	31.9	39.0	18.2
Kerosene	3.8	4.1	3.8	5.3	2.3	Q	Q	Q	Q	Q	12.5	9.5	23.5	20.5
Wood	23.0	30.6	33.2	17.2	7.5	11.2	6.6	3.2	Q	3.0	11.7	13.4	Q	16.3
Solar	1.2	1.6	1.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	37.3
Coal	0.6	0.7	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	117.4
Natural Gas Available in Neighborhood														
Yes	71.4	71.4	70.7	74.8	79.3	82.5	78.6	76.2	55.8	78.4	45.9	49.0	34.3	5.3
No	28.6	28.6	29.3	25.2	20.7	17.5	21.4	23.8	44.2	21.6	54.1	51.0	65.7	11.2
1993 Family Income Category														
Less than \$5,000	4.2	2.6	1.6	7.7	6.9	Q	7.8	9.2	Q	10.2	4.5	Q	13.6	18.1
\$5,000 to \$9,999	11.0	8.0	6.5	15.3	15.9	Q	18.1	19.2	Q	20.6	15.3	13.6	21.4	12.1
\$10,000 to \$14,999	11.5	9.4	8.4	14.4	15.7	Q	18.0	16.8	19.2	16.5	15.7	14.3	20.7	10.3
\$15,000 to \$19,999	10.0	9.0	8.3	12.4	14.0	14.1	14.0	9.7	Q	10.2	17.0	16.0	20.9	12.9
\$20,000 to \$24,999	9.1	8.7	8.3	10.8	10.8	Q	11.4	9.3	Q	10.1	10.2	11.7	Q	13.7
\$25,000 to \$34,999	14.5	14.9	15.2	13.3	10.3	13.8	9.5	13.5	21.8	12.6	19.5	21.3	12.8	10.9
\$35,000 to \$49,999	18.1	19.9	21.3	12.8	16.5	32.3	12.9	13.3	26.6	11.9	12.5	15.6	Q	10.3
\$50,000 to \$74,999	13.1	16.5	18.1	8.6	7.7	13.8	6.3	4.9	10.3	4.3	3.5	3.9	Q	14.4
\$75,000 or More	8.6	11.1	12.4	4.6	2.1	Q	Q	4.1	Q	3.5	Q	Q	Q	19.5
Below Poverty Line														
100 Percent	14.9	10.7	7.5	27.0	23.6	8.1	27.1	25.9	Q	28.0	20.4	14.5	42.4	10.5
125 Percent	20.0	15.2	11.6	33.4	29.8	13.7	33.4	31.7	Q	34.0	30.4	25.8	47.7	8.7
Eligible for Federal Assistance ³ ...	31.7	25.3	21.2	46.1	45.3	29.3	48.9	48.5	26.7	50.8	40.4	34.7	61.6	6.5
Payment Method for Fuel and Electricity														
All Paid by Household	86.0	98.2	99.3	92.3	59.3	79.2	54.7	46.8	60.4	45.4	93.1	94.1	89.7	3.6
Some Paid, Some in Rent	8.6	0.6	Q	2.9	20.9	Q	25.4	37.3	35.8	37.4	Q	Q	Q	14.4
All Included in Rent	4.2	0.7	Q	4.2	12.8	Q	15.8	15.0	Q	16.4	2.5	Q	Q	21.0
Other Method	1.2	0.5	Q	Q	6.9	19.3	4.1	Q	Q	Q	Q	Q	Q	28.5

See footnotes at end of table.

Table 3.3a. Household Characteristics by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home			
		Single-Family			Two to Four Units			Five or More Units			Mobile Home			
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent	Total	Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	1.9	1.3	0.9	2.6	1.0	1.3	1.5	1.9	
Age of Householder														
Under 25 Years	5.7	1.9	0.7	1.2	1.0	Q	1.0	2.3	Q	2.2	0.6	0.3	0.3	18.1
25 to 34 Years	19.9	11.3	8.3	3.0	2.4	0.4	2.0	4.8	0.2	4.6	1.4	1.0	0.4	9.9
35 to 44 Years	21.4	16.2	13.1	3.1	1.4	0.2	1.1	2.8	0.2	2.6	1.1	0.8	0.2	10.4
45 to 59 Years	21.9	16.7	14.8	2.0	1.5	0.3	1.1	2.3	0.4	1.9	1.3	1.2	0.2	11.1
60 Years and Over	27.8	20.7	18.9	1.7	1.8	0.6	1.3	4.1	0.7	3.4	1.1	1.0	Q	10.2
Race of Householder														
White	80.2	58.1	49.6	8.5	5.8	1.1	4.7	11.1	1.4	9.8	5.1	4.1	1.0	6.7
Black	10.9	5.9	4.1	1.8	1.5	0.3	1.3	3.2	Q	3.1	0.3	0.2	Q	15.2
Other ⁴	5.5	2.8	2.0	0.8	0.7	Q	0.5	1.9	Q	1.8	0.2	Q	Q	20.0
Householder of Hispanic Descent														
Yes	7.9	4.2	3.1	1.1	1.0	0.1	0.8	2.2	Q	2.1	0.5	0.4	0.2	17.4
No	88.7	62.6	52.7	9.9	7.0	1.3	5.7	14.0	1.5	12.5	5.1	4.0	1.0	6.3
Household Size														
1 Person	23.5	12.0	9.9	2.2	2.7	0.4	2.3	7.5	0.8	6.7	1.3	1.1	0.3	9.6
2 Persons	31.7	22.9	20.0	2.9	2.1	0.5	1.7	4.9	0.5	4.4	1.7	1.4	0.3	8.9
3 Persons	16.6	12.0	10.0	2.0	1.6	0.2	1.3	1.9	0.2	1.7	1.1	0.8	0.3	11.9
4 Persons	14.6	11.7	9.8	1.9	0.9	0.2	0.7	1.1	Q	1.1	0.9	0.7	0.2	12.2
5 Persons	6.8	5.5	4.2	1.3	0.4	Q	0.3	0.5	Q	0.5	0.4	0.3	Q	15.8
6 or More Persons	3.5	2.7	2.0	0.7	0.3	Q	0.3	0.3	Q	0.3	0.1	0.1	Q	21.7
Household Owns or Has Regular Use of a Motor Vehicle														
No	11.9	4.3	2.7	1.6	1.8	0.1	1.7	5.3	0.2	5.1	0.5	0.3	0.2	13.7
Yes	84.7	62.6	53.1	9.5	6.2	1.4	4.8	10.9	1.3	9.6	5.1	4.1	0.9	6.5
1 Vehicle	34.2	20.5	16.1	4.4	3.8	0.7	3.1	7.7	0.9	6.7	2.2	1.6	0.6	8.3
2 Vehicles	36.4	29.3	25.4	3.8	2.0	0.6	1.4	3.0	0.3	2.6	2.2	1.9	0.3	9.1
3 Vehicles	10.8	9.8	8.8	1.0	0.3	Q	0.3	0.2	Q	0.2	0.5	0.5	Q	18.0
4 or More Vehicles	3.2	3.0	2.7	0.3	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	23.9

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.3b. Household Characteristics by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.4	0.9	1.1	1.9	1.3	0.9	2.5	1.0	1.2	1.4	1.8	
Age of Householder														
Under 25 Years	5.9	2.8	1.2	10.9	12.2	Q	14.9	13.9	Q	15.0	10.4	7.4	21.5	16.5
25 to 34 Years	20.6	16.9	14.9	26.9	29.8	23.8	31.1	29.3	11.6	31.2	25.9	23.3	35.7	8.4
35 to 44 Years	22.1	24.2	23.4	28.4	16.9	16.2	17.1	17.1	12.4	17.6	19.2	19.3	19.1	9.1
45 to 59 Years	22.6	25.1	26.5	18.0	18.1	22.5	17.1	14.3	27.4	12.9	23.9	26.8	13.1	9.6
60 Years and Over	28.7	30.9	33.9	15.7	23.0	37.5	19.7	25.4	44.6	23.4	20.6	23.3	Q	8.7
Race of Householder														
White	83.0	87.0	89.0	77.2	72.4	71.9	72.5	68.6	89.2	66.4	91.7	92.3	89.3	2.6
Black	11.3	8.8	7.4	15.9	19.1	18.4	19.3	19.8	Q	21.4	4.6	4.7	Q	14.5
Other ⁴	5.7	4.1	3.6	6.9	8.5	Q	8.2	11.6	Q	12.2	3.7	Q	Q	19.0
Householder of Hispanic Descent														
Yes	8.2	6.3	5.5	10.3	11.9	9.8	12.4	13.6	Q	14.6	9.4	8.2	13.8	16.8
No	91.8	93.7	94.5	89.7	88.1	90.2	87.6	86.4	96.1	85.4	90.6	91.8	86.2	1.8
Household Size														
1 Person	24.3	18.0	17.7	19.8	33.5	26.9	35.0	46.1	51.2	45.6	23.6	24.0	21.8	7.2
2 Persons	32.8	34.3	35.8	26.6	26.9	32.1	25.6	30.4	31.8	30.2	30.4	30.8	28.9	6.4
3 Persons	17.2	18.0	17.9	18.4	19.9	16.5	20.7	11.4	12.1	11.3	19.7	19.2	21.5	10.7
4 Persons	15.1	17.5	17.5	17.6	10.9	14.4	10.2	6.9	Q	7.2	16.1	15.6	18.2	11.3
5 Persons	7.0	8.2	7.5	11.8	4.6	Q	4.7	3.1	Q	3.3	7.7	7.6	Q	15.1
6 or More Persons	3.6	4.0	3.6	5.9	4.3	Q	3.9	2.1	Q	2.3	2.5	2.8	Q	21.2
Household Owns or Has Regular Use of a Motor Vehicle														
No	12.3	6.4	4.8	14.1	23.0	8.7	26.2	32.9	15.5	34.7	8.7	5.9	19.3	13.1
Yes	87.7	93.6	95.2	85.9	77.0	91.3	73.8	67.1	84.5	65.3	91.3	94.1	80.7	2.4
1 Vehicle	35.4	30.7	29.0	39.8	47.6	46.3	47.9	47.1	58.4	45.9	40.2	37.1	51.9	5.6
2 Vehicles	37.7	43.8	45.6	34.8	24.8	40.9	21.1	18.2	22.1	17.7	39.9	42.9	28.8	7.1
3 Vehicles	11.2	14.6	15.8	8.6	4.0	Q	4.0	1.4	Q	1.1	8.8	11.2	Q	17.2
4 or More Vehicles	3.3	4.4	4.8	2.6	Q	Q	Q	Q	Q	Q	2.3	3.0	Q	22.9

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.4. Household Characteristics by Average Floorspace, 1993

Housing Unit and Household Characteristics	Total Households (millions)	Average Square Feet per Housing Unit		Average Heated Square Feet per Household Member				Average Heated Square Feet per Housing Unit			RSE Row Factors
		Total	Heated	All Households	Single-Family	Multi-family	Mobile Home	Single-Family	Multi-family	Mobile Home	
		1.2	0.6	0.6	0.7	0.8	1.6	2.2	0.7	1.1	
Total	96.6	1,875	1,630	624	698	432	354	1,947	917	938	1.8
Census Region and Division											
Northeast	19.5	2,056	1,752	670	780	449	428	2,231	1,005	911	4.2
New England	5.1	2,101	1,735	677	773	497	378	2,171	1,080	825	6.5
Middle Atlantic	14.4	2,041	1,758	667	783	433	466	2,252	981	972	5.1
Midwest	23.3	2,170	1,882	734	825	474	368	2,259	955	954	3.1
East North Central	16.4	2,160	1,895	735	831	469	374	2,303	955	968	3.7
West North Central	6.9	2,194	1,851	733	810	493	356	2,161	955	926	4.8
South	33.5	1,706	1,515	585	636	454	322	1,738	856	923	2.9
South Atlantic	17.4	1,721	1,526	599	664	461	316	1,793	899	889	4.5
East South Central	6.0	1,796	1,594	614	672	451	336	1,796	825	929	3.8
West South Central	10.1	1,626	1,451	545	574	437	321	1,621	773	1,017	5.5
West	20.4	1,644	1,415	523	588	360	394	1,697	841	971	4.6
Mountain	5.4	1,730	1,565	605	682	419	383	1,876	845	1,001	5.7
Pacific	15.0	1,613	1,361	496	556	350	417	1,630	840	914	7.0
Urban Status											
Urban	75.8	1,854	1,613	617	695	425	364	1,966	906	933	2.2
Central City	30.6	1,540	1,360	535	626	392	422	1,750	873	928	3.0
Suburban	45.2	2,067	1,783	670	729	474	348	2,074	952	934	2.5
Rural	20.8	1,952	1,695	649	710	513	341	1,889	1,041	946	3.0
Climate Zone											
Under 2,000 CDD and--											
Over 7,000 HDD	8.7	2,218	1,916	735	799	527	370	2,209	1,018	917	5.6
5,500 to 7,000 HDD	26.5	2,085	1,804	711	813	476	402	2,214	1,007	1,010	3.7
4,000 to 5,499 HDD	22.5	1,961	1,705	654	740	422	356	2,092	892	859	4.1
Under 4,000 HDD	17.8	1,603	1,412	520	586	354	327	1,657	852	916	5.1
2,000 CDD or More and --											
Under 4,000 HDD	21.2	1,611	1,400	533	577	435	327	1,613	834	933	3.8
Heated Floorspace Category (square feet)											
Fewer than 600	7.5	591	412	219	129	260	201	313	441	420	6.2
600 to 999	21.8	907	815	368	357	390	331	847	792	823	2.2
1,000 to 1,599	27.8	1,513	1,272	475	481	478	394	1,298	1,206	1,198	2.0
1,600 to 1,999	12.4	2,110	1,788	638	637	683	534	1,790	1,777	1,705	3.1
2,000 to 2,399	9.6	2,501	2,187	748	747	866	Q	2,189	2,149	Q	2.9
2,400 to 2,999	8.2	2,982	2,661	901	904	751	Q	2,662	2,642	Q	4.4
3,000 or More	9.3	4,335	3,902	1273	1,273	1,345	Q	3,909	3,657	Q	3.3
Ownership of Unit											
Owned	63.2	2,271	1,949	719	749	644	369	2,057	1,371	977	2.1
Rented	33.4	1,128	1,027	423	466	401	297	1,388	852	794	2.8
Type and Ownership of Housing Unit											
Single-Family Detached	59.6	2,336	1,990	708	708	Q	Q	1,990	Q	Q	1.8
Owned	51.3	2,440	2,081	751	751	Q	Q	2,081	Q	Q	1.8
Rented	8.2	1,689	1,424	465	465	Q	Q	1,424	Q	Q	4.7
Single-Family Attached	7.2	1,801	1,591	614	614	Q	Q	1,591	Q	Q	5.3
Owned	4.4	2,041	1,788	716	716	Q	Q	1,788	Q	Q	6.0
Rented	2.8	1,423	1,282	469	469	Q	Q	1,282	Q	Q	9.0
Multifamily (2 to 4 units)	8.0	1,199	1,075	445	Q	445	Q	Q	1,075	Q	4.4
Owned	1.5	1,942	1,632	639	Q	639	Q	Q	1,632	Q	7.7
Rented	6.5	1,030	948	398	Q	398	Q	Q	948	Q	3.7
Multifamily (5 or more units)	16.2	861	840	424	Q	424	Q	Q	840	Q	3.3
Owned	1.6	1,210	1,120	653	Q	653	Q	Q	1,120	Q	11.3
Rented	14.7	824	810	403	Q	403	Q	Q	810	Q	3.2
Mobile Home	5.6	975	938	354	Q	Q	354	Q	Q	938	3.4
Owned	4.4	1,014	977	369	Q	Q	369	Q	Q	977	4.0
Rented	1.2	833	794	297	Q	Q	297	Q	Q	794	6.8

See footnotes at end of table.

Table 3.4. Household Characteristics by Average Floorspace, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households (millions)	Average Square Feet per Housing Unit		Average Heated Square Feet per Household Member				Average Heated Square Feet per Housing Unit			RSE Row Factors
		Total	Heated	All Households	Single-Family	Multi-family	Mobile Home	Single-Family	Multi-family	Mobile Home	
		1.2	0.6	0.6	0.7	0.8	1.6	2.2	0.7	1.1	
Year of Construction											
1939 or Before	20.4	1,993	1,705	676	775	413	Q	1,997	981	Q	3.4
1940 to 1949	6.9	1,675	1,487	594	641	391	Q	1,637	895	Q	4.6
1950 to 1959	13.1	1,890	1,619	578	603	400	Q	1,739	931	Q	4.6
1960 to 1969	15.0	1,811	1,579	656	738	435	368	1,921	864	745	4.5
1970 to 1979	18.1	1,746	1,545	597	697	449	331	2,045	891	842	3.4
1980 to 1984	8.5	1,740	1,526	562	612	482	374	1,902	907	974	4.1
1985 to 1987	5.5	1,959	1,708	610	722	384	379	2,158	870	1,100	5.3
1988 to 1990	4.7	2,118	1,844	630	717	468	346	2,201	1,014	1,106	5.7
1991 to 1993 ¹	4.5	2,244	1,942	725	807	530	415	2,336	958	1,199	7.0
Observed Location of Household											
City	44.7	1,640	1,443	575	662	418	372	1,829	885	883	2.9
Town	15.8	1,898	1,614	625	676	445	378	1,811	969	989	4.1
Suburbs	19.9	2,157	1,861	683	731	474	420	2,131	990	915	4.0
Rural or Open Country	16.2	2,155	1,877	672	752	515	329	2,096	1,202	953	4.4
Total Number of Rooms (Excluding Bathrooms)											
1 or 2	3.2	531	503	358	365	357	Q	465	506	Q	8.2
3 to 5	47.4	1,259	1,125	491	573	428	341	1,361	914	857	2.1
6 to 8	40.2	2,431	2,081	700	716	504	408	2,115	1,591	1,428	2.7
9 or More	5.8	3,791	3,248	951	957	Q	Q	3,271	Q	Q	4.9
Bedrooms											
None or 1	12.9	733	687	440	570	412	403	951	635	622	4.5
2	30.0	1,365	1,212	547	666	448	359	1,410	1,049	810	2.5
3	38.5	2,174	1,869	640	678	420	349	1,939	1,462	1,148	2.4
4 or More	15.2	3,100	2,653	755	767	427	303	2,677	1,815	1,544	5.9
Other Rooms (Excluding Bathrooms)											
None or 1	4.4	794	713	383	469	355	355	1,112	586	793	6.6
2	35.6	1,240	1,111	453	520	397	325	1,383	858	860	2.4
3	31.7	1,935	1,666	635	664	531	416	1,807	1,148	1,144	2.4
4	16.3	2,666	2,286	777	792	531	469	2,328	1,541	1,566	4.3
5 or More	8.7	3,332	2,865	957	964	647	Q	2,889	1,833	Q	6.3
Full Bathrooms											
None or 1	61.6	1,500	1,312	541	618	411	323	1,616	854	790	2.0
2	30.9	2,358	2,038	699	742	532	394	2,210	1,280	1,175	2.6
3 or More	4.1	3,882	3,342	1052	1,052	Q	Q	3,353	Q	Q	6.5
Half Bathrooms											
None	71.5	1,638	1,423	564	638	424	358	1,740	879	936	1.8
1	23.9	2,518	2,191	760	801	490	326	2,341	1,237	955	3.7
2 or More	1.2	3,207	2,788	1044	1,100	Q	Q	2,869	Q	Q	9.7
Number of Stories											
Single-Family Homes	66.8	2,278	1,947	698	698	Q	Q	1,947	Q	Q	1.7
1 Story	40.6	1,938	1,653	627	627	Q	Q	1,653	Q	Q	1.9
2 Stories	22.4	2,797	2,384	796	796	Q	Q	2,384	Q	Q	2.9
3 Stories	1.6	3,181	2,833	892	892	Q	Q	2,833	Q	Q	7.7
Split-Level	2.2	2,602	2,226	723	723	Q	Q	2,226	Q	Q	7.4
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.6	975	938	354	Q	Q	354	Q	Q	938	3.4
Multi-Story Apartment Building	24.2	972	917	432	Q	432	Q	Q	917	Q	2.8

See footnotes at end of table.

Table 3.4. Household Characteristics by Average Floorspace, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households (millions)	Average Square Feet per Housing Unit		Average Heated Square Feet per Household Member				Average Heated Square Feet per Housing Unit			RSE Row Factors
		Total	Heated	All Households	Single-Family	Multi-family	Mobile Home	Single-Family	Multi-family	Mobile Home	
		1.2	0.6	0.6	0.7	0.8	1.6	2.2	0.7	1.1	
Outside Wall Material											
Brick	26.6	1,819	1,619	677	803	433	Q	2,175	844	Q	2.8
Wood	27.6	1,969	1,671	618	663	426	376	1,847	983	1,171	3.8
Siding	22.9	1,957	1,722	633	723	486	350	2,039	1,112	899	3.1
Stucco	10.3	1,664	1,439	533	585	405	Q	1,754	886	Q	5.1
Composition	4.1	1,943	1,650	605	638	499	331	1,713	1,403	1,110	7.4
Concrete/Block	4.3	1,548	1,326	524	589	392	Q	1,604	878	Q	7.1
Other	0.8	2,298	1,961	777	793	Q	Q	2,124	Q	Q	16.1
Foundation/Basement (More than one may apply)											
Basement	33.8	2,730	2,298	832	871	498	Q	2,437	1,248	Q	2.5
Crawlspace	24.8	1,842	1,611	597	603	453	Q	1,643	996	Q	3.4
Enclosed	19.4	1,892	1,656	612	620	434	Q	1,691	1,004	Q	3.9
Open to Outside	5.6	1,665	1,454	542	543	491	Q	1,484	842	Q	7.4
Concrete Slab	23.4	1,864	1,604	576	602	366	Q	1,713	882	Q	3.0
Other	0.3	886	733	364	Q	Q	Q	687	Q	Q	46.4
Not Asked (Mobile Homes and Buildings with 5 or More Units)	21.8	890	865	402	Q	424	354	Q	840	938	2.5
Garage/Carport											
Yes	46.7	2,469	2,076	745	751	Q	416	2,100	Q	998	2.3
1-Car Garage	14.4	2,116	1,769	677	681	Q	390	1,781	Q	884	3.7
2-Car Garage	24.7	2,751	2,295	781	785	Q	397	2,305	Q	1,229	3.1
3-Car Garage	2.1	3,628	3,057	1004	1,013	Q	Q	3,104	Q	Q	7.7
Covered Carport	6.3	1,793	1,614	653	671	Q	440	1,680	Q	947	5.5
No	26.9	1,652	1,494	542	583	Q	342	1,611	Q	927	2.6
Not Asked (Apartments)	24.2	972	917	432	Q	432	Q	Q	917	Q	2.8
Fuels Used For Any Use (more than one often used)											
Electricity	96.6	1,876	1,631	624	699	432	354	1,948	917	938	1.8
Natural Gas	58.4	1,911	1,668	629	699	417	392	1,972	926	971	2.4
Fuel Oil	10.9	2,265	1,917	714	797	446	335	2,227	1,059	768	4.5
LPG ²	8.6	1,845	1,627	591	675	528	309	1,867	1,115	864	4.9
Kerosene	3.7	1,821	1,555	537	610	373	303	1,798	969	859	7.8
Wood	22.2	2,589	2,239	750	772	541	386	2,322	1,277	1,295	3.7
Solar	1.2	2,541	2,083	733	759	Q	Q	2,177	Q	Q	11.0
Coal	0.6	1,895	1,821	718	764	Q	Q	1,945	Q	Q	40.3
Natural Gas Available in Neighborhood											
Yes	69.0	1,868	1,629	621	694	416	383	1,950	903	948	2.3
No	27.6	1,893	1,634	632	709	492	332	1,938	968	930	3.1
1993 Family Income Category											
Less than \$5,000	4.1	1,123	1,015	443	540	374	295	1,289	800	838	6.7
\$5,000 to \$9,999	10.6	1,216	1,079	565	724	415	379	1,357	805	745	4.0
\$10,000 to \$14,999	11.1	1,437	1,244	527	661	370	312	1,548	841	895	3.9
\$15,000 to \$19,999	9.6	1,596	1,390	571	660	414	378	1,687	896	922	3.7
\$20,000 to \$24,999	8.7	1,644	1,442	612	702	427	331	1,743	839	896	4.3
\$25,000 to \$34,999	14.1	1,879	1,642	621	686	462	359	1,917	970	992	3.8
\$35,000 to \$49,999	17.5	2,146	1,862	644	687	498	364	2,102	1,090	1,154	3.5
\$50,000 to \$74,999	12.6	2,368	2,042	654	673	486	395	2,179	1,093	1,124	4.1
\$75,000 or More	8.3	2,911	2,491	810	836	539	Q	2,648	1,247	Q	4.8
Below Poverty Line											
100 Percent	14.4	1,228	1,097	392	472	320	255	1,371	827	830	3.5
125 Percent	19.4	1,293	1,150	414	496	331	266	1,433	841	828	3.1
Eligible for Federal Assistance ³	30.7	1,387	1,216	464	551	358	287	1,517	848	835	2.5

See footnotes at end of table.

Table 3.4. Household Characteristics by Average Floorspace, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households (millions)	Average Square Feet per Housing Unit		Average Heated Square Feet per Household Member				Average Heated Square Feet per Housing Unit			RSE Row Factors
		Total	Heated	All Households	Single-Family	Multi-family	Mobile Home	Single-Family	Multi-family	Mobile Home	
		1.2	0.6	0.6	0.7	0.8	1.6	2.2	0.7	1.1	
Payment Method for Fuel and Electricity											
All Paid by Household	83.1	2,034	1,756	652	701	472	354	1,959	1,018	951	2.0
Some Paid, Some in Rent	8.3	881	847	385	427	382	362	1,207	831	749	6.6
All Included in Rent	4.1	790	758	400	493	386	353	1,170	699	839	7.6
Other Method	1.1	1,451	1,269	539	831	456	Q	1,578	1,182	Q	15.4
Age of Householder											
Under 25 Years	5.7	1,129	1,050	414	529	356	301	1,494	825	857	5.5
25 to 34 Years	19.9	1,596	1,404	466	543	354	271	1,803	879	880	2.8
35 to 44 Years	21.4	2,001	1,741	526	566	372	311	2,001	912	1,003	3.0
45 to 59 Years	21.9	2,127	1,847	706	767	462	429	2,112	965	1,018	3.1
60 Years and Over	27.8	1,934	1,655	919	978	710	567	1,890	987	901	2.8
Race of Householder											
White	80.2	1,978	1,717	674	740	481	363	2,012	940	944	1.9
Black	10.9	1,394	1,262	465	516	395	285	1,563	908	869	5.6
Other ⁴	5.5	1,333	1,096	327	376	268	253	1,402	786	890	7.6
Householder of Hispanic Descent											
Yes	7.9	1,412	1,228	382	459	285	258	1,576	821	888	5.4
No	88.7	1,917	1,666	651	719	463	367	1,972	932	944	1.8
Household Size											
1 Person	23.5	1,366	1,185	1185	1,562	787	811	1,562	787	811	2.6
2 Persons	31.7	1,954	1,706	853	997	475	481	1,994	950	962	2.3
3 Persons	16.6	1,950	1,715	572	661	346	302	1,982	1,039	905	2.6
4 Persons	14.6	2,220	1,908	477	526	288	253	2,106	1,152	1,012	3.2
5 Persons	6.8	2,213	1,923	385	424	217	220	2,121	1,085	1,100	4.6
6 or More Persons	3.5	2,149	1,821	268	303	154	153	2,063	1,019	1,137	9.4
Household Owns or Has Regular Use of a Motor Vehicle											
No	11.9	1,100	979	492	648	399	355	1,370	766	710	4.7
Yes	84.7	1,985	1,722	638	701	444	354	1,986	981	960	1.9
1 Vehicle	34.2	1,592	1,377	660	782	470	406	1,692	913	863	2.7
2 Vehicles	36.4	2,145	1,869	635	691	422	328	2,063	1,107	1,016	2.3
3 Vehicles	10.8	2,475	2,156	639	673	332	326	2,264	1,209	1,056	4.4
4 or More Vehicles	3.2	2,689	2,258	534	556	277	303	2,343	1,218	1,327	8.3

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.5. Household Characteristics by Total Floorspace, 1993

Housing Unit and Household Characteristics	Total Households		Total Square Footage				RSE Row Factors
	(millions)	(percent)	Total		Heated		
			(billions)	(percent)	(billions)	(percent)	
	RSE Column Factor:	0.9	0.9	1.0	1.0	1.0	
Total	96.6	100.0	181.2	100.0	157.5	100.0	1.1
Census Region and Main Heating Fuel							
Northeast	19.5	20.2	40.1	22.1	34.1	21.7	2.2
Fuel Oil	7.0	7.3	15.5	8.6	13.1	8.3	8.5
Kerosene	0.3	0.4	0.4	0.2	0.3	0.2	33.3
Natural Gas	9.4	9.7	19.0	10.5	16.4	10.4	9.7
Electricity	1.9	2.0	3.2	1.8	2.7	1.7	15.7
Wood	0.5	0.5	1.3	0.7	1.0	0.7	15.8
Other	0.3	0.3	0.6	0.4	0.6	0.4	36.1
Midwest	23.3	24.1	50.6	27.9	43.9	27.8	1.8
Natural Gas	16.8	17.3	36.1	19.9	31.6	20.0	6.0
Electricity	3.0	3.1	5.6	3.1	4.7	3.0	22.1
Fuel Oil	1.3	1.4	3.6	2.0	3.1	1.9	18.8
LPG	1.8	1.8	4.2	2.3	3.7	2.3	16.0
Wood	0.4	0.4	1.1	0.6	0.8	0.5	32.3
Other	Q	Q	Q	Q	Q	Q	NF
South	33.5	34.7	57.1	31.5	50.8	32.2	1.8
Natural Gas	12.7	13.1	22.9	12.6	20.4	12.9	6.1
Electricity	14.7	15.2	24.2	13.3	21.5	13.6	4.3
Fuel Oil	1.4	1.5	3.1	1.7	2.7	1.7	12.8
Kerosene	0.6	0.6	0.6	0.3	0.5	0.3	21.8
LPG	2.4	2.5	3.6	2.0	3.3	2.1	16.8
Wood	1.2	1.2	2.3	1.3	2.2	1.4	19.5
Other/None	0.5	0.5	0.5	0.3	Q	Q	46.0
West	20.4	21.1	33.5	18.5	28.8	18.3	3.3
Natural Gas	11.9	12.4	21.6	11.9	18.8	11.9	4.1
Electricity	5.7	5.9	7.5	4.1	6.8	4.3	6.9
Wood	1.1	1.1	1.9	1.0	1.7	1.1	9.5
Other/None	1.6	1.7	2.5	1.4	1.5	1.0	18.7
Urban Status							
Urban	75.8	78.4	140.5	77.5	122.2	77.6	1.5
Central City	30.6	31.7	47.1	26.0	41.6	26.4	1.9
Suburban	45.2	46.8	93.4	51.6	80.6	51.2	1.4
Rural	20.8	21.6	40.7	22.5	35.3	22.4	2.7
Climate Zone							
Under 2,000 CDD and--							
Over 7,000 HDD	8.7	9.0	19.3	10.6	16.7	10.6	19.6
5,500 to 7,000 HDD	26.5	27.4	55.2	30.5	47.8	30.3	9.2
4,000 to 5,499 HDD	22.5	23.2	44.0	24.3	38.3	24.3	9.2
Under 4,000 HDD	17.8	18.4	28.5	15.7	25.1	16.0	10.3
2,000 CDD or More and --							
Under 4,000 HDD	21.2	21.9	34.2	18.8	29.7	18.8	6.8
Heated Floorspace Category (square feet)							
Fewer than 600	7.5	7.8	4.4	2.5	3.1	2.0	7.0
600 to 999	21.8	22.6	19.8	10.9	17.8	11.3	3.2
1,000 to 1,599	27.8	28.8	42.0	23.2	35.4	22.4	2.6
1,600 to 1,999	12.4	12.8	26.2	14.4	22.2	14.1	4.2
2,000 to 2,399	9.6	10.0	24.1	13.3	21.1	13.4	4.4
2,400 to 2,999	8.2	8.5	24.5	13.5	21.8	13.9	4.1
3,000 or More	9.3	9.6	40.3	22.2	36.2	23.0	5.8

See footnotes at end of table.

Table 3.5. Household Characteristics by Total Floorspace, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households		Total Square Footage				RSE Row Factors
	(millions)	(percent)	Total		Heated		
			(billions)	(percent)	(billions)	(percent)	
	RSE Column Factor:	0.9	0.9	1.0	1.0	1.0	
Ownership of Unit							
Owned	63.2	65.4	143.5	79.2	123.2	78.2	1.6
Rented	33.4	34.6	37.7	20.8	34.3	21.8	2.8
Type and Ownership of Housing Unit							
Single-Family Detached	59.6	61.7	139.2	76.8	118.6	75.3	1.6
Owned	51.3	53.1	125.3	69.1	106.8	67.8	1.8
Rented	8.2	8.5	13.9	7.7	11.7	7.4	5.9
Single-Family Attached	7.2	7.5	13.0	7.2	11.5	7.3	8.9
Owned	4.4	4.6	9.0	5.0	7.9	5.0	10.2
Rented	2.8	2.9	4.0	2.2	3.6	2.3	10.4
Multifamily (2 to 4 units)	8.0	8.3	9.6	5.3	8.6	5.5	7.5
Owned	1.5	1.5	2.9	1.6	2.4	1.5	13.8
Rented	6.5	6.7	6.7	3.7	6.2	3.9	8.2
Multifamily (5 or more units)	16.2	16.8	14.0	7.7	13.6	8.7	6.0
Owned	1.6	1.6	1.9	1.0	1.7	1.1	24.1
Rented	14.7	15.2	12.1	6.7	11.9	7.6	5.8
Mobile Home	5.6	5.8	5.4	3.0	5.2	3.3	8.7
Owned	4.4	4.6	4.5	2.5	4.3	2.7	9.7
Rented	1.2	1.2	1.0	0.5	0.9	0.6	12.6
Year of Construction							
1939 or Before	20.4	21.1	40.6	22.4	34.7	22.0	5.0
1940 to 1949	6.9	7.1	11.6	6.4	10.3	6.5	7.9
1950 to 1959	13.1	13.5	24.7	13.6	21.1	13.4	5.4
1960 to 1969	15.0	15.5	27.2	15.0	23.7	15.1	5.1
1970 to 1979	18.1	18.8	31.7	17.5	28.0	17.8	4.2
1980 to 1984	8.5	8.8	14.7	8.1	12.9	8.2	5.3
1985 to 1987	5.5	5.7	10.8	5.9	9.4	6.0	8.5
1988 to 1990	4.7	4.9	10.0	5.5	8.7	5.5	8.0
1991 to 1993 ¹	4.5	4.6	10.0	5.5	8.7	5.5	10.7
Observed Location of Household							
City	44.7	46.2	73.3	40.4	64.5	40.9	2.7
Town	15.8	16.3	29.9	16.5	25.5	16.2	6.8
Suburbs	19.9	20.6	43.0	23.7	37.1	23.6	5.1
Rural or Open Country	16.2	16.8	35.0	19.3	30.5	19.3	6.8
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	3.2	3.3	1.7	0.9	1.6	1.0	10.5
3 to 5	47.4	49.0	59.6	32.9	53.3	33.8	2.4
6 to 8	40.2	41.6	97.7	53.9	83.7	53.1	2.4
9 or More	5.8	6.0	22.1	12.2	19.0	12.0	8.2
Bedrooms							
None or 1	12.9	13.4	9.5	5.2	8.9	5.6	5.3
2	30.0	31.1	41.0	22.6	36.4	23.1	3.2
3	38.5	39.8	83.6	46.1	71.9	45.6	2.2
4 or More	15.2	15.7	47.2	26.0	40.4	25.6	4.2
Other Rooms (Excluding Bathrooms)							
None or 1	4.4	4.6	3.5	1.9	3.1	2.0	8.6
2	35.6	36.8	44.1	24.3	39.5	25.1	2.8
3	31.7	32.8	61.4	33.9	52.8	33.5	2.6
4	16.3	16.8	43.4	23.9	37.2	23.6	3.4
5 or More	8.7	9.0	28.9	15.9	24.8	15.7	6.2
Full Bathrooms							
None or 1	61.6	63.8	92.4	51.0	80.9	51.3	1.8
2	30.9	32.0	72.9	40.2	63.0	40.0	2.6
3 or More	4.1	4.2	15.9	8.8	13.7	8.7	8.6

See footnotes at end of table.

Table 3.5. Household Characteristics by Total Floorspace, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households		Total Square Footage				RSE Row Factors
	(millions)	(percent)	Total		Heated		
			(billions)	(percent)	(billions)	(percent)	
	RSE Column Factor:	0.9	0.9	1.0	1.0	1.0	
Half Bathrooms							
None	71.5	74.0	117.1	64.6	101.7	64.6	1.6
1	23.9	24.8	60.3	33.3	52.5	33.3	3.6
2 or More	1.2	1.2	3.9	2.1	3.4	2.1	13.6
Number of Stories							
Single-Family Homes	66.8	69.1	152.2	84.0	130.1	82.6	1.6
1 Story	40.6	42.0	78.6	43.4	67.1	42.6	2.4
2 Stories	22.4	23.2	62.7	34.6	53.4	33.9	3.6
3 Stories	1.6	1.7	5.2	2.9	4.6	2.9	14.7
Split-Level	2.2	2.2	5.6	3.1	4.8	3.0	11.4
Other	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.6	5.8	5.4	3.0	5.2	3.3	8.7
Multi-Story Apartment Building	24.2	25.1	23.6	13.0	22.2	14.1	4.6
Outside Wall Material							
Brick	26.6	27.5	48.4	26.7	43.0	27.3	4.0
Wood	27.6	28.6	54.4	30.0	46.2	29.3	4.9
Siding	22.9	23.7	44.9	24.8	39.5	25.1	3.9
Stucco	10.3	10.7	17.1	9.5	14.8	9.4	6.8
Composition	4.1	4.2	7.9	4.3	6.7	4.2	9.2
Concrete/Block	4.3	4.4	6.6	3.7	5.7	3.6	13.0
Other	0.8	0.9	1.9	1.1	1.7	1.0	25.0
Foundation/Basement (More than one may apply)							
Basement	33.8	35.0	92.3	51.0	77.7	49.3	3.3
Crawlspace	24.8	25.7	45.7	25.2	40.0	25.4	4.7
Enclosed	19.4	20.1	36.7	20.3	32.1	20.4	5.1
Open to Outside	5.6	5.8	9.3	5.1	8.1	5.1	9.8
Concrete Slab	23.4	24.2	43.6	24.0	37.5	23.8	4.3
Other	0.3	0.3	0.2	0.1	0.2	0.1	42.2
Not Asked (Mobile Homes and Buildings with 5 or More Units)	21.8	22.6	19.4	10.7	18.9	12.0	4.5
Garage/Carport							
Yes	46.7	48.3	115.2	63.6	96.8	61.5	2.1
1-Car Garage	14.4	14.9	30.5	16.8	25.5	16.2	4.4
2-Car Garage	24.7	25.6	68.0	37.5	56.7	36.0	3.6
3-Car Garage	2.1	2.2	7.6	4.2	6.4	4.1	11.3
Covered Carport	6.3	6.5	11.3	6.2	10.1	6.4	7.9
No	26.9	27.8	44.4	24.5	40.2	25.5	3.4
Not Asked (Apartments)	24.2	25.1	23.6	13.0	22.2	14.1	4.6
Fuels Used For Any Use (more than one often used)							
Electricity	96.6	99.9	181.2	100.0	157.5	100.0	1.1
Natural Gas	58.4	60.4	111.6	61.6	97.4	61.8	2.9
Fuel Oil	10.9	11.3	24.7	13.6	20.9	13.3	7.0
LPG ²	8.6	8.9	15.9	8.8	14.0	8.9	9.4
Kerosene	3.7	3.8	6.8	3.7	5.8	3.7	12.6
Wood	22.2	23.0	57.5	31.7	49.7	31.5	4.2
Solar	1.2	1.2	3.0	1.6	2.4	1.5	15.4
Coal	0.6	0.6	1.1	0.6	1.0	0.7	43.3
Natural Gas Available in Neighborhood							
Yes	69.0	71.4	128.9	71.1	112.4	71.3	2.3
No	27.6	28.6	52.3	28.9	45.2	28.7	5.4

See footnotes at end of table.

Table 3.5. Household Characteristics by Total Floorspace, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households		Total Square Footage				RSE Row Factors
	(millions)	(percent)	Total		Heated		
			(billions)	(percent)	(billions)	(percent)	
	RSE Column Factor:	0.9	0.9	1.0	1.0	1.0	
1993 Family Income Category							
Less than \$5,000	4.1	4.2	4.6	2.5	4.1	2.6	7.8
\$5,000 to \$9,999	10.6	11.0	12.9	7.1	11.4	7.3	4.7
\$10,000 to \$14,999	11.1	11.5	16.0	8.8	13.8	8.8	4.2
\$15,000 to \$19,999	9.6	10.0	15.4	8.5	13.4	8.5	5.2
\$20,000 to \$24,999	8.7	9.1	14.4	7.9	12.6	8.0	5.2
\$25,000 to \$34,999	14.1	14.5	26.4	14.6	23.1	14.6	3.7
\$35,000 to \$49,999	17.5	18.1	37.5	20.7	32.5	20.6	3.8
\$50,000 to \$74,999	12.6	13.1	29.9	16.5	25.8	16.4	4.1
\$75,000 or More	8.3	8.6	24.3	13.4	20.8	13.2	6.3
Below Poverty Line							
100 Percent	14.4	14.9	17.7	9.7	15.8	10.0	3.9
125 Percent	19.4	20.0	25.0	13.8	22.3	14.1	3.3
Eligible for Federal Assistance ³	30.7	31.7	42.5	23.5	37.3	23.7	2.5
Payment Method for Fuel and Electricity							
All Paid by Household	83.1	86.0	169.1	93.3	146.0	92.7	1.3
Some Paid, Some in Rent	8.3	8.6	7.3	4.0	7.0	4.5	6.4
All Included in Rent	4.1	4.2	3.2	1.8	3.1	2.0	8.5
Other Method	1.1	1.2	1.6	0.9	1.4	0.9	17.6
Age of Householder							
Under 25 Years	5.7	5.9	6.4	3.6	6.0	3.8	8.4
25 to 34 Years	19.9	20.6	31.8	17.5	28.0	17.7	3.6
35 to 44 Years	21.4	22.1	42.8	23.6	37.2	23.6	2.9
45 to 59 Years	21.9	22.6	46.5	25.6	40.4	25.6	3.5
60 Years and Over	27.8	28.7	53.7	29.6	46.0	29.2	2.7
Race of Householder							
White	80.2	83.0	158.6	87.5	137.7	87.4	1.5
Black	10.9	11.3	15.2	8.4	13.8	8.7	6.4
Other ⁴	5.5	5.7	7.4	4.1	6.1	3.9	7.7
Householder of Hispanic Descent							
Yes	7.9	8.2	11.2	6.2	9.7	6.2	7.7
No	88.7	91.8	170.1	93.8	147.8	93.8	1.3
Household Size							
1 Person	23.5	24.3	32.1	17.7	27.9	17.7	2.0
2 Persons	31.7	32.8	61.9	34.2	54.1	34.3	2.1
3 Persons	16.6	17.2	32.3	17.8	28.4	18.0	3.7
4 Persons	14.6	15.1	32.4	17.9	27.8	17.7	3.1
5 Persons	6.8	7.0	15.0	8.3	13.0	8.3	5.8
6 or More Persons	3.5	3.6	7.5	4.1	6.3	4.0	9.7
Household Owns or Has Regular Use of a Motor Vehicle							
No	11.9	12.3	13.1	7.2	11.7	7.4	5.7
Yes	84.7	87.7	168.1	92.8	145.9	92.6	1.4
1 Vehicle	34.2	35.4	54.5	30.1	47.2	29.9	2.3
2 Vehicles	36.4	37.7	78.2	43.1	68.1	43.2	2.4
3 Vehicles	10.8	11.2	26.8	14.8	23.3	14.8	5.5
4 or More Vehicles	3.2	3.3	8.7	4.8	7.3	4.6	7.8

¹ Does not include all new construction for 1993.

² Excludes 22.1 million households that use LPG only for outdoor grills.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.6a. Household Characteristics by Family Income, Million U.S. Households, 1993

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eli-gible for Federal Assist-ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per-cent	125 Per-cent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Total	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.4
Census Region and Division												
Northeast	19.5	1.0	2.0	2.0	3.1	2.6	3.8	4.8	3.0	3.9	6.3	6.6
New England	5.1	0.1	0.5	0.6	0.9	0.6	1.0	1.4	0.6	0.8	1.6	8.9
Middle Atlantic	14.4	0.9	1.5	1.5	2.2	2.1	2.8	3.5	2.4	3.1	4.6	8.1
Midwest	23.3	0.7	2.3	2.8	4.9	3.6	4.4	4.6	2.6	4.0	7.1	7.3
East North Central	16.4	0.4	1.6	2.0	3.4	2.4	3.0	3.5	1.8	2.7	4.9	9.4
West North Central	6.9	0.3	0.7	0.8	1.5	1.2	1.4	1.0	0.8	1.4	2.2	11.6
South	33.5	1.7	4.4	3.6	6.4	4.9	5.8	6.7	5.9	7.6	10.9	5.9
South Atlantic	17.4	1.0	2.0	1.8	3.2	2.5	3.0	3.9	2.8	3.7	5.7	8.6
East South Central	6.0	0.3	0.9	0.7	1.1	1.1	0.9	1.0	1.2	1.6	2.0	9.4
West South Central	10.1	0.4	1.4	1.1	2.1	1.4	1.9	1.9	1.8	2.4	3.2	10.7
West	20.4	0.7	1.9	2.6	4.0	2.9	3.4	4.9	2.9	3.8	6.4	7.7
Mountain	5.4	0.2	0.5	0.7	1.3	0.8	0.7	1.0	0.8	1.0	1.6	11.3
Pacific	15.0	0.4	1.4	1.9	2.6	2.1	2.7	3.8	2.1	2.8	4.7	9.5
Urban Status												
Urban	75.8	3.2	7.5	8.3	13.5	10.6	14.4	18.3	10.7	14.0	22.6	4.2
Central City	30.6	2.1	4.0	4.3	5.6	4.1	5.0	5.5	6.3	7.7	11.9	5.7
Suburban	45.2	1.1	3.5	3.9	7.9	6.6	9.4	12.8	4.3	6.3	10.7	5.5
Rural	20.8	0.9	3.1	2.9	4.9	3.4	3.1	2.7	3.7	5.4	8.1	6.3
Climate Zone												
Under 2,000 CDD and--												
Over 7,000 HDD	8.7	0.2	0.9	1.1	2.1	1.5	1.5	1.5	1.0	1.6	2.8	20.8
5,500 to 7,000 HDD	26.5	1.0	2.6	3.2	5.0	3.9	4.9	6.0	3.3	4.6	8.1	11.5
4,000 to 5,499 HDD	22.5	0.9	2.3	2.1	4.1	3.3	4.3	5.4	3.0	4.1	6.6	11.3
Under 4,000 HDD	17.8	0.9	2.4	2.3	2.9	2.3	3.0	3.9	3.5	4.5	6.3	13.1
2,000 CDD or More and --												
Under 4,000 HDD	21.2	1.0	2.4	2.4	4.3	3.1	3.8	4.2	3.6	4.5	6.8	10.9
Heated Floorspace Category (square feet)												
Fewer than 600	7.5	0.8	1.9	1.3	1.6	0.7	0.6	0.6	2.4	2.9	4.2	12.9
600 to 999	21.8	1.9	3.9	4.0	5.1	2.7	2.7	1.6	5.6	7.3	10.5	6.7
1,000 to 1,599	27.8	1.0	3.2	3.2	6.1	4.4	5.0	4.8	4.4	5.9	9.4	6.2
1,600 to 1,999	12.4	Q	0.8	1.1	2.3	2.2	2.6	3.3	0.9	1.4	2.8	9.9
2,000 to 2,399	9.6	Q	0.4	0.5	1.1	1.7	2.5	3.3	0.5	0.9	1.5	12.4
2,400 to 2,999	8.2	Q	0.2	0.7	1.2	1.1	1.9	3.0	0.4	0.7	1.5	13.0
3,000 or More	9.3	Q	0.2	0.3	1.0	1.2	2.1	4.5	0.3	0.4	0.8	15.2
Observed Location of Household												
City	44.7	2.4	5.9	5.9	8.4	5.9	7.7	8.4	8.3	10.4	16.1	5.7
Town	15.8	0.7	2.0	1.9	3.4	2.5	2.5	2.7	2.3	3.3	5.6	10.4
Suburbs	19.9	0.4	1.2	1.6	3.1	2.8	4.0	6.7	1.5	2.2	4.1	10.4
Rural or Open Country	16.2	0.6	1.5	1.7	3.4	2.8	3.2	3.1	2.2	3.4	4.9	10.6
Ownership of Unit												
Owned	63.2	1.0	4.4	5.7	10.9	10.0	13.4	17.8	5.0	8.0	14.2	4.7
Rented	33.4	3.0	6.1	5.4	7.5	4.1	4.0	3.2	9.4	11.4	16.5	5.9

See footnotes at end of table.

Table 3.6b. Household Characteristics by Family Income, Percent of Households, 1993

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eli-gible for Federal Assist-ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per-cent	125 Per-cent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	0.9	0.9	1.1	1.0	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Census Region and Division												
Northeast	20.2	25.8	18.8	18.4	16.9	18.7	21.8	23.1	20.9	20.2	20.5	6.3
New England	5.2	3.4	4.9	5.0	4.8	4.1	5.8	6.6	4.4	4.3	5.3	9.6
Middle Atlantic	14.9	22.4	13.9	13.4	12.1	14.6	16.0	16.5	16.5	15.9	15.2	7.8
Midwest	24.1	16.4	21.7	25.4	26.7	25.9	25.3	21.7	18.1	20.7	23.2	6.6
East North Central	16.9	9.5	15.3	17.8	18.3	17.3	17.4	16.9	12.3	13.7	16.1	8.8
West North Central	7.2	6.8	6.3	7.6	8.4	8.6	7.9	4.8	5.7	7.0	7.1	11.6
South	34.7	41.5	41.2	32.4	34.9	35.1	33.2	32.0	40.9	39.4	35.6	4.7
South Atlantic	18.0	24.1	19.0	16.5	17.4	17.7	17.2	18.4	19.7	19.0	18.5	7.8
East South Central	6.2	7.4	8.9	6.3	5.9	7.8	5.3	4.6	8.4	8.1	6.5	9.6
West South Central	10.5	10.0	13.3	9.6	11.6	9.6	10.7	9.1	12.8	12.3	10.6	10.2
West	21.1	16.3	18.3	23.8	21.5	20.3	19.7	23.2	20.2	19.7	20.7	7.0
Mountain	5.5	5.9	5.0	6.6	7.2	5.6	4.2	4.8	5.3	5.1	5.3	11.7
Pacific	15.5	10.4	13.3	17.2	14.3	14.6	15.6	18.3	14.9	14.6	15.5	8.9
Urban Status												
Urban	78.4	78.7	70.8	74.2	73.6	75.7	82.2	87.3	74.3	72.2	73.6	1.9
Central City	31.7	50.9	37.8	38.9	30.6	29.0	28.7	26.2	44.1	39.5	38.8	4.6
Suburban	46.8	27.8	33.1	35.3	43.0	46.7	53.6	61.1	30.2	32.7	34.8	4.4
Rural	21.6	21.3	29.2	25.8	26.4	24.3	17.8	12.7	25.7	27.8	26.4	6.1
Climate Zone												
Under 2,000 CDD and--												
Over 7,000 HDD	9.0	6.2	8.5	9.7	11.3	10.5	8.4	6.9	6.9	8.5	9.2	20.9
5,500 to 7,000 HDD	27.4	23.6	24.2	29.0	27.3	27.5	28.0	28.6	22.9	23.6	26.5	11.1
4,000 to 5,499 HDD	23.2	23.2	21.9	19.0	22.1	23.7	24.4	25.9	21.0	21.3	21.5	10.9
Under 4,000 HDD	18.4	22.7	22.4	20.9	16.0	16.3	17.3	18.7	24.4	23.1	20.6	12.6
2,000 CDD or More and --												
Under 4,000 HDD	21.9	24.3	23.0	21.5	23.4	22.0	21.9	19.8	24.9	23.5	22.1	10.2
Heated Floorspace Category (square feet)												
Fewer than 600	7.8	18.5	18.3	11.9	8.8	5.1	3.6	2.6	16.4	14.8	13.7	11.9
600 to 999	22.6	46.4	36.7	35.8	27.8	19.4	15.2	7.5	38.8	37.4	34.2	5.6
1,000 to 1,599	28.8	25.5	30.2	28.8	33.4	31.6	28.7	22.8	30.4	30.2	30.8	5.4
1,600 to 1,999	12.8	Q	7.6	10.0	12.5	15.5	15.1	15.7	6.1	7.3	9.1	9.6
2,000 to 2,399	10.0	Q	3.6	4.8	5.9	12.2	14.1	15.8	3.7	4.4	5.0	11.9
2,400 to 2,999	8.5	Q	1.8	6.2	6.4	8.0	11.0	14.3	2.5	3.8	4.8	12.9
3,000 or More	9.6	Q	1.9	2.4	5.3	8.2	12.3	21.3	2.1	2.0	2.6	14.9
Observed Location of Household												
City	46.2	59.7	55.7	53.2	45.7	42.3	44.1	40.1	57.9	53.6	52.6	4.4
Town	16.3	16.2	18.8	17.0	18.7	18.0	14.6	13.0	16.3	17.2	18.2	10.2
Suburbs	20.6	10.1	10.9	14.8	17.1	20.0	23.1	32.1	10.6	11.6	13.4	9.8
Rural or Open Country	16.8	14.1	14.6	15.1	18.5	19.7	18.1	14.7	15.3	17.7	15.9	10.3
Ownership of Unit												
Owned	65.4	25.7	41.9	51.1	59.2	70.9	77.0	84.7	34.9	41.1	46.3	3.6
Rented	34.6	74.3	58.1	48.9	40.8	29.1	23.0	15.3	65.1	58.9	53.7	4.4

See footnotes at end of table.

Table 3.6a. Household Characteristics by Family Income, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Type and Ownership of Housing Unit												
Single-Family Detached	59.6	1.4	4.6	5.7	10.4	8.9	11.8	16.7	6.0	8.7	14.9	4.6
Owned	51.3	0.9	3.4	4.4	8.6	7.7	10.7	15.6	3.9	6.0	11.1	5.5
Rented	8.2	0.6	1.2	1.3	1.9	1.2	1.1	1.1	2.1	2.6	3.8	10.7
Single-Family Attached	7.2	0.3	0.8	0.6	1.3	1.0	1.5	1.7	1.1	1.5	2.1	14.3
Owned	4.4	Q	0.3	0.2	0.6	0.7	1.1	1.4	0.2	0.4	0.7	21.7
Rented	2.8	0.3	0.5	0.3	0.7	0.3	0.4	0.4	0.9	1.0	1.3	18.3
Multifamily (2 to 4 units)	8.0	0.5	1.3	1.3	2.0	0.8	1.3	0.8	1.9	2.4	3.6	12.4
Owned	1.5	Q	Q	Q	0.3	0.2	0.5	0.2	0.1	0.2	0.4	24.5
Rented	6.5	0.5	1.2	1.2	1.7	0.6	0.8	0.5	1.8	2.2	3.2	13.7
Multifamily (5 or more units)	16.2	1.5	3.1	2.7	3.1	2.2	2.2	1.5	4.2	5.1	7.9	9.7
Owned	1.6	Q	Q	0.3	Q	0.3	0.4	0.3	Q	Q	0.4	35.8
Rented	14.7	1.5	3.0	2.4	3.0	1.9	1.8	1.2	4.1	5.0	7.5	9.9
Mobile Home	5.6	0.2	0.9	0.9	1.5	1.1	0.7	0.3	1.1	1.7	2.2	14.9
Owned	4.4	Q	0.6	0.6	1.2	0.9	0.7	0.2	0.6	1.1	1.5	17.7
Rented	1.2	0.2	0.3	0.2	0.3	0.1	Q	Q	0.5	0.6	0.7	20.7
Year of Construction												
1939 or Before	20.4	1.1	2.9	2.9	4.6	2.9	3.1	3.0	3.8	5.1	8.3	7.5
1940 to 1949	6.9	0.5	0.9	1.0	1.4	0.8	1.2	1.1	1.3	1.9	2.8	13.3
1950 to 1959	13.1	0.4	1.2	1.7	2.3	2.1	2.3	3.0	1.8	2.5	4.0	10.3
1960 to 1969	15.0	0.5	1.8	1.7	3.1	2.1	2.8	3.0	2.0	2.7	4.6	9.8
1970 to 1979	18.1	0.8	2.0	2.0	3.2	2.9	3.1	4.0	2.7	3.6	5.6	8.2
1980 to 1984	8.5	0.4	0.9	0.8	1.4	1.1	1.5	2.3	1.3	1.7	2.5	11.7
1985 to 1987	5.5	0.1	0.5	0.4	1.1	0.7	1.2	1.6	0.6	0.9	1.3	15.7
1988 to 1990	4.7	Q	0.2	0.4	0.7	0.7	1.0	1.6	0.4	0.6	0.9	15.2
1991 to 1993 ²	4.5	0.1	0.2	0.3	0.5	0.7	1.2	1.4	0.3	0.5	0.7	21.2
Total Number of Rooms (Excluding Bathrooms)												
1 or 2	3.2	0.3	0.8	0.5	0.6	0.4	0.4	0.2	0.8	1.0	1.6	21.9
3 to 5	47.4	3.0	7.5	7.4	10.7	7.0	6.6	5.2	9.7	12.9	19.9	5.0
6 to 8	40.2	0.7	2.1	3.0	6.5	5.9	9.2	12.7	3.6	5.1	8.5	6.4
9 or More	5.8	Q	Q	0.2	0.5	0.8	1.2	2.9	0.3	0.4	0.7	18.3
Bedrooms												
None or 1	12.9	1.1	3.0	2.3	2.8	1.5	1.4	0.8	3.3	4.0	6.3	10.0
2	30.0	1.8	4.4	4.6	6.9	4.6	4.3	3.5	5.7	7.8	12.1	6.0
3	38.5	0.9	2.6	3.3	6.8	6.0	8.8	10.1	4.2	5.8	9.3	6.0
4 or More	15.2	0.3	0.6	1.0	1.9	2.0	2.9	6.6	1.2	1.8	2.9	10.4
Other Rooms (Excluding Bathrooms)												
None or 1	4.4	0.4	0.9	0.7	0.9	0.5	0.5	0.4	1.1	1.4	2.1	16.6
2	35.6	2.3	5.8	5.3	7.9	5.3	5.0	4.0	7.8	10.3	15.4	5.9
3	31.7	0.9	2.9	3.9	6.4	4.8	6.3	6.5	4.1	5.5	9.4	5.8
4	16.3	0.3	0.8	0.9	2.1	2.5	3.7	6.0	1.1	1.6	2.7	10.8
5 or More	8.7	Q	0.2	0.4	1.0	1.0	1.9	4.1	0.4	0.6	1.1	14.7
Full Bathrooms												
None or 1	61.6	3.6	9.5	9.3	13.9	8.9	8.9	7.6	12.5	16.7	25.9	4.1
2	30.9	0.5	1.1	1.7	4.3	4.7	7.7	10.9	1.8	2.6	4.6	7.2
3 or More	4.1	Q	Q	Q	0.2	0.4	0.8	2.5	Q	Q	0.2	20.1

See footnotes at end of table.

Table 3.6b. Household Characteristics by Family Income, Percent of Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	0.9	0.9	1.1	1.0	0.8	
Type and Ownership of Housing Unit												
Single-Family Detached	61.7	34.9	43.0	51.3	56.9	63.6	67.6	79.7	41.9	44.7	48.5	3.6
Owned	53.1	21.0	32.0	39.8	46.8	55.1	61.5	74.4	27.3	31.1	36.2	4.6
Rented	8.5	14.0	11.0	11.6	10.1	8.5	6.1	5.3	14.5	13.7	12.3	10.4
Single-Family Attached	7.5	8.5	7.4	5.0	7.3	7.2	8.4	8.2	7.9	7.6	6.7	14.0
Owned	4.6	Q	2.4	2.2	3.4	5.2	6.4	6.5	1.6	2.3	2.3	21.5
Rented	2.9	6.9	5.0	2.7	3.9	2.0	2.0	1.7	6.2	5.4	4.4	18.1
Multifamily (2 to 4 units)	8.3	13.6	12.0	11.3	10.8	5.9	7.6	3.7	13.1	12.3	11.8	11.9
Owned	1.5	Q	Q	Q	1.8	1.5	2.8	1.2	0.8	1.1	1.4	24.5
Rented	6.7	12.6	11.1	10.6	9.0	4.4	4.8	2.6	12.3	11.2	10.4	13.1
Multifamily (5 or more units)	16.8	36.9	29.5	24.5	16.8	15.6	12.4	6.9	29.3	26.6	25.7	8.7
Owned	1.6	Q	Q	2.7	Q	2.4	2.4	1.4	Q	Q	1.4	35.2
Rented	15.2	36.9	28.6	21.9	16.2	13.2	10.0	5.5	28.6	25.8	24.4	8.9
Mobile Home	5.8	6.1	8.0	7.8	8.3	7.7	4.0	1.4	7.9	8.8	7.3	14.7
Owned	4.6	Q	5.7	5.7	6.6	6.7	3.9	1.1	4.4	5.9	5.0	17.3
Rented	1.2	3.9	2.4	2.2	1.7	1.1	Q	Q	3.5	2.9	2.4	20.7
Year of Construction												
1939 or Before	21.1	26.7	27.2	25.9	25.0	20.3	17.6	14.3	26.7	26.3	27.2	7.2
1940 to 1949	7.1	13.0	8.1	9.0	7.6	5.8	7.1	5.1	9.0	9.6	9.0	12.7
1950 to 1959	13.5	10.5	11.7	14.8	12.8	15.3	13.0	14.2	12.9	12.9	12.9	9.8
1960 to 1969	15.5	11.7	16.8	15.1	17.0	14.9	16.1	14.5	14.2	14.0	14.9	9.1
1970 to 1979	18.8	19.9	18.8	18.1	17.7	20.9	17.9	19.3	18.9	18.8	18.3	7.7
1980 to 1984	8.8	9.7	8.3	7.6	7.7	7.9	8.8	10.9	9.1	8.7	8.2	11.1
1985 to 1987	5.7	3.7	4.6	3.2	5.8	4.9	6.8	7.4	4.0	4.4	4.1	15.2
1988 to 1990	4.9	Q	2.2	3.5	3.9	5.2	5.6	7.5	3.0	2.8	3.0	15.1
1991 to 1993 ²	4.6	2.7	2.2	2.8	2.6	4.8	7.0	6.8	2.3	2.3	2.4	20.9
Total Number of Rooms (Excluding Bathrooms)												
1 or 2	3.3	6.3	7.8	4.6	3.5	2.6	2.4	0.9	5.4	5.1	5.1	21.5
3 to 5	49.0	73.0	70.9	66.4	58.3	50.1	37.8	24.7	67.4	66.5	64.8	3.5
6 to 8	41.6	18.1	20.3	27.0	35.5	41.9	52.6	60.7	25.0	26.2	27.9	5.6
9 or More	6.0	Q	Q	2.1	2.8	5.5	7.1	13.7	2.2	2.2	2.2	18.2
Bedrooms												
None or 1	13.4	26.5	28.1	21.0	15.3	10.7	8.2	3.8	22.8	20.8	20.4	9.0
2	31.1	43.9	42.0	40.9	37.5	32.9	24.4	16.5	39.6	40.1	39.6	4.9
3	39.8	21.7	24.5	29.4	37.1	42.5	50.5	48.2	29.0	29.8	30.5	5.1
4 or More	15.7	8.0	5.5	8.6	10.1	13.9	16.9	31.5	8.5	9.4	9.5	10.1
Other Rooms (Excluding Bathrooms)												
None or 1	4.6	9.8	8.5	6.7	5.0	3.5	3.1	2.0	7.4	7.0	6.8	16.4
2	36.8	57.4	55.2	47.4	43.1	37.4	28.4	19.0	54.0	53.0	50.1	4.6
3	32.8	23.0	26.9	34.7	35.0	34.2	36.2	31.0	28.3	28.3	30.8	5.3
4	16.8	7.0	7.4	7.7	11.6	17.7	21.3	28.6	7.4	8.5	8.9	10.1
5 or More	9.0	Q	2.0	3.5	5.3	7.1	11.0	19.3	2.9	3.3	3.4	14.4
Full Bathrooms												
None or 1	63.8	88.6	89.4	83.7	75.4	63.5	51.0	36.0	86.7	86.2	84.3	2.0
2	32.0	11.4	10.0	15.6	23.6	33.3	44.3	52.1	12.8	13.3	15.1	6.6
3 or More	4.2	Q	Q	Q	1.0	3.2	4.7	11.9	Q	Q	0.6	19.7

See footnotes at end of table.

Table 3.6a. Household Characteristics by Family Income, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Half Bathrooms												
None	71.5	3.3	9.3	9.2	14.8	10.7	12.1	12.1	12.2	16.4	25.7	4.0
1	23.9	0.7	1.2	1.9	3.5	3.2	5.1	8.4	2.1	2.9	4.7	8.7
2 or More	1.2	Q	Q	Q	Q	0.2	0.3	0.5	Q	Q	0.2	26.8
Number of Stories												
Single-Family Homes	66.8	1.8	5.3	6.3	11.8	9.9	13.3	18.4	7.2	10.1	16.9	4.3
1 Story	40.6	1.1	4.1	4.5	8.3	6.3	7.8	8.5	5.2	7.3	11.8	5.6
2 Stories	22.4	0.6	1.1	1.5	3.2	3.2	4.7	8.1	1.8	2.5	4.5	8.9
3 Stories	1.6	Q	Q	Q	0.2	Q	0.3	0.8	0.1	0.2	0.4	31.1
Split-Level	2.2	Q	Q	Q	Q	0.3	0.5	1.0	Q	Q	0.2	22.7
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.6	0.2	0.9	0.9	1.5	1.1	0.7	0.3	1.1	1.7	2.2	14.9
Multi-Story Apartment Building	24.2	2.0	4.4	4.0	5.1	3.0	3.5	2.2	6.1	7.5	11.5	7.7
Outside Wall Material												
Brick	26.6	1.4	3.8	2.9	4.4	3.8	4.8	5.5	4.7	6.0	8.7	6.7
Wood	27.6	1.2	2.9	3.1	5.3	3.9	5.2	6.0	4.4	5.8	8.9	7.6
Siding	22.9	0.7	1.8	2.6	4.8	3.8	4.2	5.1	2.4	3.8	6.4	7.5
Stucco	10.3	0.3	1.0	1.3	1.8	1.4	1.8	2.6	1.5	1.9	3.3	12.6
Composition	4.1	0.1	0.6	0.6	0.8	0.5	0.6	0.7	0.7	1.0	1.7	16.0
Concrete/Block	4.3	0.3	0.3	0.5	0.9	0.6	0.7	0.9	0.7	0.9	1.4	17.6
Other	0.8	Q	Q	Q	0.3	Q	Q	0.2	Q	Q	0.2	36.7
Foundation/Basement (More than one may apply)												
Basement	33.8	0.7	2.3	3.3	6.0	4.9	7.1	9.6	2.7	4.3	8.2	7.1
Crawlspace	24.8	0.9	2.6	2.8	5.0	3.3	4.2	5.9	3.7	5.0	7.7	7.4
Enclosed	19.4	0.7	1.9	2.1	3.9	2.7	3.4	4.8	2.6	3.7	5.8	8.6
Open to Outside	5.6	0.3	0.8	0.7	1.2	0.7	0.8	1.1	1.1	1.4	2.0	14.7
Concrete Slab	23.4	0.7	2.0	2.1	4.0	3.6	4.6	6.4	3.1	4.0	6.1	8.2
Other	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	81.0
Not Asked (Mobile Homes and Buildings with 5 or More Units)	21.8	1.7	4.0	3.6	4.6	3.3	2.9	1.7	5.3	6.8	10.1	8.1
Garage/Carport												
Yes	46.7	0.7	2.7	3.6	7.6	7.1	10.2	14.9	3.3	5.0	9.1	5.9
1-Car Garage	14.4	0.3	1.3	1.6	3.0	2.4	3.2	2.7	1.4	2.0	4.0	9.4
2-Car Garage	24.7	0.2	0.7	1.3	3.0	3.6	5.6	10.3	1.1	1.7	3.1	10.0
3-Car Garage	2.1	Q	Q	Q	0.3	0.2	0.5	1.0	Q	0.1	0.3	24.0
Covered Carport	6.3	Q	0.7	0.7	1.4	1.0	1.1	1.2	0.8	1.1	1.8	14.1
No	26.9	1.3	3.6	3.7	5.9	4.1	4.0	4.1	5.1	7.1	10.5	6.7
Not Asked (Apartments)	24.2	2.0	4.4	4.0	5.1	3.0	3.5	2.2	6.1	7.5	11.5	7.7
Fuels Used For Any Use (more than one often used)												
Electricity	96.6	4.0	10.6	11.1	18.4	14.1	17.4	21.0	14.4	19.4	30.6	3.4
Natural Gas	58.4	2.4	6.3	7.0	10.8	7.7	10.4	13.7	8.8	11.6	18.5	5.3
Fuel Oil	10.9	0.4	1.0	1.0	1.9	1.7	2.4	2.5	1.3	1.9	3.1	11.6
LPG ³	8.6	0.5	1.1	1.0	1.9	1.6	1.2	1.3	1.7	2.4	3.3	13.3
Kerosene	3.7	0.2	0.5	0.4	0.8	0.5	0.6	0.7	0.8	1.1	1.5	17.7
Wood	22.2	0.3	0.8	1.2	2.9	2.9	5.0	9.0	1.3	2.0	3.4	9.9
Solar	1.2	Q	Q	Q	0.2	0.2	0.2	0.5	Q	Q	Q	30.6
Coal	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	102.9
Natural Gas Available in Neighborhood												
Yes	69.0	2.8	7.7	8.2	13.1	9.6	12.3	15.3	10.3	13.8	22.0	4.6
No	27.6	1.3	2.9	2.9	5.2	4.4	5.2	5.7	4.0	5.6	8.6	8.6

See footnotes at end of table.

Table 3.6b. Household Characteristics by Family Income, Percent of Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	0.9	0.9	1.1	1.0	0.8	
Half Bathrooms												
None	74.0	82.1	88.0	82.4	80.5	76.0	69.5	57.5	84.8	84.5	83.9	2.1
1	24.8	16.9	11.7	17.2	18.8	22.8	29.0	40.0	14.7	14.9	15.5	8.3
2 or More	1.2	Q	Q	Q	Q	1.2	1.5	2.5	Q	Q	0.7	26.6
Number of Stories												
Single-Family Homes	69.1	43.4	50.4	56.3	64.1	70.8	76.0	87.9	49.7	52.4	55.2	3.1
1 Story	42.0	28.2	38.6	40.3	45.0	44.8	44.5	40.7	36.0	37.9	38.5	4.8
2 Stories	23.2	14.3	10.5	13.6	17.4	22.9	26.9	38.7	12.5	12.8	14.7	8.3
3 Stories	1.7	Q	Q	Q	0.9	Q	1.8	3.6	1.0	1.1	1.2	31.0
Split-Level	2.2	Q	Q	Q	Q	2.4	2.9	4.7	Q	Q	0.7	22.4
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	5.8	6.1	8.0	7.8	8.3	7.7	4.0	1.4	7.9	8.8	7.3	14.7
Multi-Story Apartment Building	25.1	50.5	41.5	35.9	27.6	21.5	20.0	10.7	42.4	38.9	37.5	6.5
Outside Wall Material												
Brick	27.5	33.6	36.1	26.0	24.2	26.9	27.3	26.2	32.7	31.1	28.5	6.1
Wood	28.6	30.8	27.1	28.1	29.0	27.5	30.0	28.4	30.3	29.8	29.0	6.5
Siding	23.7	16.2	17.2	23.1	26.0	27.0	24.2	24.3	16.7	19.4	20.9	7.0
Stucco	10.7	7.2	9.9	11.8	9.8	10.1	10.6	12.3	10.2	9.7	10.8	12.1
Composition	4.2	3.6	6.0	5.8	4.3	3.8	3.2	3.5	4.7	4.9	5.4	15.9
Concrete/Block	4.4	8.2	3.1	4.3	5.1	4.1	4.1	4.4	5.0	4.8	4.6	17.5
Other	0.9	Q	Q	Q	1.5	Q	Q	0.9	Q	Q	0.8	36.2
Foundation/Basement (More than one may apply)												
Basement	35.0	16.8	22.0	29.4	32.7	34.7	40.7	45.6	19.1	22.1	26.7	6.5
Crawlspace	25.7	23.3	25.0	24.7	27.4	23.7	24.1	28.1	25.5	26.1	25.2	6.6
Enclosed	20.1	17.3	18.2	18.5	21.0	18.9	19.4	23.0	18.3	19.2	18.7	8.0
Open to Outside	5.8	6.3	7.1	6.3	6.5	4.9	4.8	5.4	7.5	7.2	6.6	14.2
Concrete Slab	24.2	18.3	19.1	18.9	21.9	25.5	26.1	30.3	21.6	20.7	19.9	7.7
Other	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	74.0
Not Asked (Mobile Homes and Buildings with 5 or More Units)	22.6	43.1	37.5	32.4	25.0	23.3	16.4	8.3	37.2	35.3	33.0	7.0
Garage/Carport												
Yes	48.3	17.1	25.1	32.1	41.3	50.5	58.4	70.8	23.2	25.6	29.6	5.1
1-Car Garage	14.9	7.3	12.0	14.2	16.3	16.8	18.1	13.1	9.6	10.5	13.1	9.1
2-Car Garage	25.6	5.8	6.2	11.6	16.6	25.5	32.2	49.0	7.8	8.9	10.0	9.4
3-Car Garage	2.2	Q	Q	Q	1.8	1.5	2.6	4.5	Q	0.7	0.8	23.6
Covered Carport	6.5	Q	7.1	6.0	7.6	7.4	6.6	5.6	5.5	5.9	6.0	14.0
No	27.8	33.2	34.5	33.3	32.3	29.5	23.1	19.5	35.3	36.8	34.2	5.9
Not Asked (Apartments)	25.1	50.5	41.5	35.9	27.6	21.5	20.0	10.7	42.4	38.9	37.5	6.5
Fuels Used For Any Use (more than one often used)												
Electricity	99.9	99.7	99.7	100.0	100.0	100.0	99.9	100.0	99.9	99.9	99.8	NE
Natural Gas	60.4	59.7	59.9	63.2	58.5	55.1	59.8	65.1	61.0	60.1	60.4	4.1
Fuel Oil	11.3	10.3	9.0	9.1	10.2	12.3	13.6	12.1	9.0	9.6	9.9	11.3
LPG ³	8.9	11.8	10.7	9.4	10.4	11.5	6.8	6.0	11.7	12.5	10.9	13.0
Kerosene	3.8	4.0	4.9	3.9	4.6	3.4	3.3	3.3	5.5	5.5	4.8	17.5
Wood	23.0	8.3	7.7	10.6	16.0	20.4	28.8	43.0	9.1	10.3	11.2	9.3
Solar	1.2	Q	Q	Q	1.2	1.3	1.2	2.4	Q	Q	Q	30.1
Coal	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	94.0
Natural Gas Available in Neighborhood												
Yes	71.4	68.6	72.4	73.6	71.5	68.6	70.2	73.0	71.9	71.3	71.9	3.2
No	28.6	31.4	27.6	26.4	28.5	31.4	29.8	27.0	28.1	28.7	28.1	8.0

See footnotes at end of table.

Table 3.6a. Household Characteristics by Family Income, Million U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Below Poverty Line												
100 Percent	14.4	4.1	7.4	2.4	0.4	Q	Q	Q	14.4	14.4	14.4	5.9
125 Percent	19.4	4.1	9.3	4.3	1.7	Q	Q	Q	14.4	19.4	19.4	4.8
Eligible for Federal Assistance ¹	30.7	4.1	10.6	9.5	5.6	0.9	Q	Q	14.4	19.4	30.7	4.6
Payment Method for Fuel and Electricity												
All Paid by Household	83.1	2.9	7.7	8.9	15.7	12.5	15.7	19.8	10.6	14.7	23.8	3.8
Some Paid, Some in Rent	8.3	0.6	1.6	1.4	1.7	0.9	1.2	0.8	2.2	2.7	4.0	12.6
All Included in Rent	4.1	0.5	1.1	0.7	0.8	0.4	0.3	0.2	1.4	1.7	2.5	17.0
Other Method	1.1	Q	Q	Q	0.2	Q	0.3	0.2	0.1	0.2	0.4	32.2
Age of Householder												
Under 25 Years	5.7	0.9	1.0	1.0	1.5	0.6	0.5	0.4	1.7	2.0	3.0	14.1
25 to 34 Years	19.9	1.0	1.6	2.0	3.9	3.0	4.5	3.8	3.5	4.3	6.3	7.3
35 to 44 Years	21.4	0.5	1.1	1.6	3.3	3.7	4.7	6.5	2.2	3.3	5.0	7.6
45 to 59 Years	21.9	0.5	1.3	1.6	3.6	3.4	4.5	6.9	2.3	2.9	4.5	8.0
60 Years and Over	27.8	1.2	5.6	4.9	6.1	3.4	3.2	3.4	4.8	6.9	11.9	6.2
Race of Householder												
White	80.2	2.6	7.3	8.5	15.5	12.2	15.5	18.5	9.0	12.9	22.0	3.9
Black	10.9	1.1	2.5	1.7	1.9	1.2	1.1	1.4	3.8	4.6	6.1	10.2
Other ⁴	5.5	0.3	0.8	1.0	0.9	0.6	0.8	1.1	1.5	1.8	2.6	13.8
Householder of Hispanic Descent												
Yes	7.9	0.4	1.0	1.4	1.5	0.9	1.2	1.4	2.0	2.5	3.5	12.4
No	88.7	3.6	9.6	9.7	16.8	13.1	16.3	19.6	12.4	16.8	27.1	3.6
Household Size												
1 Person	23.5	1.7	5.7	4.0	5.0	3.1	2.5	1.5	4.7	6.3	10.2	6.6
2 Persons	31.7	1.0	2.4	3.4	7.0	4.9	6.0	7.1	2.9	4.0	7.3	6.4
3 Persons	16.6	0.5	1.2	1.5	2.9	2.4	3.3	4.7	2.1	2.9	4.8	7.6
4 Persons	14.6	0.6	0.8	0.9	2.0	2.1	3.5	4.7	2.2	2.7	4.1	8.8
5 Persons	6.8	0.2	0.3	0.7	1.0	1.1	1.5	1.9	1.4	2.0	2.5	11.7
6 or More Persons	3.5	Q	0.2	0.5	0.5	0.5	0.7	1.0	1.1	1.5	1.8	15.5
Household Owns or Has Regular Use of a Motor Vehicle												
No	11.9	1.9	4.7	2.2	1.3	0.6	0.6	0.6	5.7	6.9	9.0	10.7
Yes	84.7	2.1	5.9	8.9	17.1	13.5	16.9	20.4	8.7	12.5	21.7	3.7
1 Vehicle	34.2	1.5	4.7	6.1	8.7	5.4	4.5	3.3	6.0	8.2	13.6	5.3
2 Vehicles	36.4	0.4	1.0	2.4	6.9	6.1	8.7	11.0	2.0	3.4	6.4	6.4
3 Vehicles	10.8	Q	0.2	0.4	1.2	1.6	3.0	4.3	0.4	0.7	1.3	13.0
4 or More Vehicles	3.2	Q	Q	Q	0.2	0.4	0.7	1.7	0.1	0.2	0.3	21.0

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

² Does not include all new construction for 1993.

³ Excludes 22.1 million households that use LPG only for outdoor grills.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.6b. Household Characteristics by Family Income, Percent of Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	1.0	1.1	0.9	0.9	1.1	1.0	0.8	
Below Poverty Line												
100 Percent	14.9	100.0	70.3	21.7	2.4	Q	Q	Q	100.0	74.3	46.9	5.3
125 Percent	20.0	100.0	87.5	38.4	9.0	Q	Q	Q	100.0	100.0	63.2	4.4
Eligible for Federal Assistance¹	31.7	100.0	100.0	85.8	30.2	6.3	Q	Q	100.0	100.0	100.0	4.8
Payment Method for Fuel and Electricity												
All Paid by Household	86.0	71.7	72.8	80.3	85.2	88.9	89.8	94.2	74.0	76.0	77.5	1.9
Some Paid, Some in Rent	8.6	14.9	15.1	12.9	9.2	6.7	6.9	4.0	15.1	14.2	13.2	11.9
All Included in Rent	4.2	12.5	10.8	6.1	4.3	3.2	1.7	1.1	10.1	8.9	8.1	16.8
Other Method	1.2	Q	Q	Q	1.3	Q	1.6	0.8	0.9	0.9	1.2	31.8
Age of Householder												
Under 25 Years	5.9	21.3	9.0	8.6	8.0	4.5	2.7	1.8	11.7	10.1	9.9	13.7
25 to 34 Years	20.6	23.7	15.5	18.0	21.2	21.6	26.1	18.2	24.1	22.4	20.5	6.5
35 to 44 Years	22.1	12.5	10.0	14.7	18.1	26.0	26.8	31.1	15.5	16.9	16.3	7.0
45 to 59 Years	22.6	13.0	12.7	14.6	19.5	23.9	25.9	32.9	15.7	14.9	14.5	7.2
60 Years and Over	28.7	29.6	52.7	44.1	33.2	24.1	18.6	16.0	33.1	35.7	38.8	5.4
Race of Householder												
White	83.0	65.0	68.9	76.4	84.5	87.2	88.8	88.0	62.8	66.8	71.7	2.1
Black	11.3	27.4	23.3	15.0	10.4	8.3	6.5	6.9	26.6	23.9	19.7	9.6
Other ⁴	5.7	7.6	7.8	8.6	5.0	4.5	4.7	5.1	10.5	9.3	8.6	13.2
Householder of Hispanic Descent												
Yes	8.2	10.0	9.7	12.9	8.3	6.7	6.9	6.5	14.0	13.1	11.5	11.8
No	91.8	90.0	90.3	87.1	91.7	93.3	93.1	93.5	86.0	86.9	88.5	1.3
Household Size												
1 Person	24.3	41.0	53.7	36.4	27.1	22.3	14.2	7.4	32.6	32.6	33.2	5.4
2 Persons	32.8	23.8	22.2	30.6	38.1	34.6	34.5	33.8	20.0	20.9	23.9	5.4
3 Persons	17.2	12.9	11.4	13.6	15.8	17.1	18.7	22.6	14.4	14.8	15.5	7.3
4 Persons	15.1	14.6	7.7	8.3	10.7	14.7	19.9	22.6	15.4	13.9	13.4	8.2
5 Persons	7.0	4.5	3.3	6.2	5.5	7.9	8.8	9.0	9.7	10.2	8.2	11.3
6 or More Persons	3.6	Q	1.7	4.8	2.9	3.3	3.9	4.6	7.9	7.6	5.8	15.2
Household Owns or Has Regular Use of a Motor Vehicle												
No	12.3	47.1	44.1	20.0	7.2	4.3	3.4	2.8	39.8	35.4	29.2	9.1
Yes	87.7	52.9	55.9	80.0	92.8	95.7	96.6	97.2	60.2	64.6	70.8	2.5
1 Vehicle	35.4	38.2	44.4	54.5	47.5	38.1	25.9	15.9	42.0	42.2	44.4	4.1
2 Vehicles	37.7	10.9	9.6	21.2	37.4	43.3	49.6	52.4	14.2	17.3	20.9	5.7
3 Vehicles	11.2	Q	1.6	4.0	6.6	11.2	17.1	20.7	3.0	3.8	4.3	13.0
4 or More Vehicles	3.3	Q	Q	Q	1.3	3.1	4.0	8.1	1.0	1.2	1.1	20.8

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

² Does not include all new construction for 1993.

³ Excludes 22.1 million households that use LPG only for outdoor grills.

⁴ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.7a. Space Heating by Census Region and Climate Zone,
Million U.S. Households, 1993**

Space Heating Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	1.1	0.8	0.8	1.6	1.3	1.2	1.2	1.1	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	7.7
Main Heating Fuel and Equipment											
Natural Gas	50.8	9.4	16.8	12.7	11.9	4.3	17.5	10.1	10.2	8.7	7.5
Central Warm-Air Furnace	34.9	4.7	13.4	8.7	8.2	3.2	12.7	6.5	6.3	6.3	9.1
For One Housing Unit	34.1	4.4	13.1	8.6	8.0	3.1	12.4	6.2	6.3	6.2	9.4
For Two or More Units	0.9	0.4	0.3	Q	Q	Q	0.3	0.3	Q	Q	30.0
Steam or Hot-Water System	8.7	4.3	2.9	0.7	0.8	1.0	4.2	3.0	0.4	Q	15.0
For One Housing Unit	5.1	2.7	1.6	0.4	0.5	0.6	2.7	1.5	0.2	Q	18.6
For Two or More Units	3.6	1.6	1.3	0.4	0.3	0.4	1.6	1.5	Q	Q	20.6
Floor, Wall, or Pipeless Furnace	4.3	0.2	Q	1.4	2.6	Q	0.3	0.3	2.7	1.0	19.2
Room Heater/Other	2.8	0.2	0.3	1.9	0.4	Q	0.3	0.3	0.8	1.3	24.6
Electricity	25.3	1.9	3.0	14.7	5.7	0.9	4.0	6.0	4.8	9.5	10.7
Built-In Electric Units	7.0	1.2	1.4	1.9	2.6	0.6	2.1	2.1	1.5	0.7	16.7
Central Warm-Air Furnace	9.5	0.1	1.1	6.3	2.0	0.2	1.1	1.2	1.7	5.2	19.4
For One Housing Unit	9.3	0.1	1.1	6.2	1.9	0.2	1.1	1.2	1.7	5.1	19.6
Heat Pump	7.5	0.5	0.4	5.9	0.7	Q	0.7	2.4	1.2	3.2	18.5
Other	1.3	Q	Q	0.6	0.5	Q	Q	0.2	0.4	0.5	23.7
Fuel Oil	10.2	7.0	1.3	1.4	0.4	1.9	3.3	4.5	0.4	0.2	17.4
Steam or Hot-Water System	5.3	4.7	0.2	0.4	Q	0.6	1.9	2.8	Q	Q	16.4
For One Housing Unit	3.5	2.9	0.2	0.3	Q	0.6	1.6	1.4	Q	Q	19.6
For Two or More Units	1.8	1.8	Q	Q	Q	Q	0.3	1.4	Q	Q	15.6
Central Warm-Air Furnace	4.5	2.2	1.0	0.9	Q	1.2	1.3	1.5	0.3	Q	17.3
Other	0.4	0.1	Q	Q	Q	Q	Q	Q	Q	Q	40.4
Wood	3.1	0.5	0.4	1.2	1.1	0.7	0.3	0.9	0.8	0.5	17.0
Heating Stove	2.4	0.4	0.2	1.0	0.8	0.5	0.2	0.7	0.6	0.3	19.3
Other	0.7	Q	0.2	0.2	0.3	0.2	Q	0.2	0.2	0.1	29.4
LPG	4.8	0.2	1.8	2.4	0.4	0.7	1.0	0.7	0.9	1.4	26.2
Central Warm-Air Furnace	3.1	0.1	1.5	1.2	0.3	0.6	0.8	0.6	0.4	0.7	28.0
Room Heater	1.1	Q	Q	1.0	Q	Q	Q	Q	Q	0.6	30.4
Other	0.6	Q	Q	0.3	Q	Q	Q	Q	0.2	Q	35.1
Kerosene	1.0	0.3	Q	0.6	Q	0.1	Q	Q	0.3	0.2	26.5
Other	0.4	Q	Q	Q	0.1	0.1	Q	Q	Q	Q	30.6
None	0.9	Q	Q	Q	0.7	Q	Q	Q	0.3	0.6	23.5
Amount of Heat Provided by Main Heating Equipment											
All or Almost All	87.3	17.9	22.3	30.2	16.9	7.7	24.9	20.6	15.2	18.8	5.0
About Three-Fourths	5.4	1.0	0.6	2.0	1.8	0.7	1.0	1.2	1.4	1.2	14.5
Closer to One-Half	3.1	0.6	0.4	1.1	0.9	0.3	0.6	0.6	0.9	0.7	16.8
No Main Equipment	0.9	Q	Q	Q	0.7	Q	Q	Q	0.3	0.6	23.5
Age of Main Heating Equipment											
Less than 2 Years	9.0	1.7	2.1	3.8	1.4	1.0	2.2	1.8	1.6	2.4	12.1
2 to 4 Years	10.6	1.8	2.5	4.6	1.8	1.2	2.8	1.9	2.1	2.6	11.3
5 to 9 Years	17.7	2.9	4.2	7.5	3.2	1.5	4.4	4.5	2.7	4.7	9.6
10 to 19 Years	21.6	4.0	5.4	7.6	4.5	2.3	5.8	5.1	3.2	5.2	7.3
20 Years or More	21.5	5.2	5.6	5.0	5.7	1.9	7.0	4.9	5.1	2.7	8.0
Don't Know	15.3	3.9	3.5	4.8	3.1	0.7	4.3	4.3	2.8	3.1	9.8
No Main Equipment	0.9	Q	Q	Q	0.7	Q	Q	Q	0.3	0.6	23.5

See footnotes at end of table.

Table 3.7b. Space Heating by Census Region and Climate Zone, Percent of Households, 1993

Space Heating Characteristics	Total	Census Region				Climate Zone					RSE Row Factors	
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	1.2	0.9	0.8	1.4	1.2	1.1	1.0	1.1		
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating Fuel and Equipment												
Natural Gas	52.6	48.3	71.9	37.9	58.6	49.3	66.2	44.9	57.2	41.1	5.8	
Central Warm-Air Furnace	36.2	24.4	57.3	25.9	40.0	36.6	47.9	29.0	35.4	29.5	7.2	
For One Housing Unit	35.3	22.4	56.0	25.8	39.5	35.3	46.7	27.6	35.3	29.0	7.5	
For Two or More Units	0.9	2.0	1.3	Q	Q	Q	1.2	1.3	Q	Q	29.8	
Steam or Hot-Water System	9.0	22.1	12.6	2.1	3.8	11.2	16.0	13.5	2.0	Q	15.0	
For One Housing Unit	5.3	13.7	6.8	1.1	2.4	6.8	10.1	6.8	1.2	Q	17.9	
For Two or More Units	3.8	8.4	5.8	1.1	1.4	Q	5.9	6.6	Q	Q	19.3	
Floor, Wall, or Pipeless Furnace	4.4	0.9	Q	4.2	12.7	Q	1.1	1.3	15.1	4.6	19.0	
Room Heater/Other	2.9	1.0	1.4	5.7	2.1	Q	1.3	1.1	4.7	6.2	23.0	
Electricity	26.2	9.9	12.8	43.9	28.1	10.9	15.2	26.6	27.2	45.0	9.4	
Built-In Electric Units	7.2	6.0	6.1	5.5	12.6	7.2	8.1	9.5	8.2	3.1	16.4	
Central Warm-Air Furnace	9.8	0.6	4.6	18.9	9.7	2.3	4.3	5.4	9.8	24.5	17.9	
For One Housing Unit	9.6	0.6	4.6	18.5	9.4	2.3	4.3	5.2	9.8	23.8	18.1	
Heat Pump	7.8	2.7	1.9	17.6	3.4	Q	2.7	10.7	6.7	15.2	17.8	
Other	1.4	Q	Q	1.9	2.4	Q	Q	1.0	2.5	2.2	23.4	
Fuel Oil	10.6	36.1	5.8	4.3	2.0	21.6	12.5	19.9	2.0	1.0	16.9	
Steam or Hot-Water System	5.5	24.4	1.0	1.1	Q	7.2	7.1	12.5	Q	Q	16.5	
For One Housing Unit	3.6	15.1	1.0	1.0	Q	6.6	5.9	6.1	Q	Q	19.3	
For Two or More Units	1.9	9.3	Q	Q	Q	Q	1.2	6.4	Q	Q	16.8	
Central Warm-Air Furnace	4.7	11.1	4.5	2.8	Q	13.3	5.1	6.8	1.7	Q	16.3	
Other	0.4	0.7	Q	Q	Q	Q	Q	Q	Q	Q	36.8	
Wood	3.2	2.3	1.7	3.5	5.4	7.8	1.2	3.8	4.4	2.3	17.7	
Heating Stove	2.5	1.9	1.0	2.9	4.0	6.0	0.9	3.1	3.5	1.6	20.2	
Other	0.8	Q	0.7	0.6	1.4	1.9	Q	0.7	1.0	0.7	30.1	
LPG	5.0	1.2	7.5	7.3	1.9	7.9	3.9	3.1	5.3	6.8	24.5	
Central Warm-Air Furnace	3.2	0.8	6.5	3.5	1.4	6.5	3.2	2.6	2.4	3.2	26.4	
Room Heater	1.2	Q	Q	2.9	Q	Q	Q	Q	2.0	2.9	31.9	
Other	0.6	Q	Q	0.9	Q	Q	Q	Q	1.0	Q	33.5	
Kerosene	1.0	1.7	Q	1.7	Q	1.6	Q	Q	1.9	1.1	27.3	
Other	0.4	Q	Q	Q	0.3	0.8	Q	Q	Q	Q	33.7	
None	0.9	Q	Q	Q	3.3	Q	Q	Q	1.8	2.7	24.1	
Amount of Heat Provided by Main Heating Equipment												
All or Almost All	90.3	91.7	95.7	90.1	83.2	89.1	94.1	91.8	85.3	88.6	1.4	
About Three-Fourths	5.6	5.2	2.7	5.9	8.8	7.6	3.6	5.5	7.7	5.5	14.3	
Closer to One-Half	3.2	3.2	1.6	3.4	4.7	3.3	2.3	2.7	5.1	3.2	17.0	
No Main Equipment	0.9	Q	Q	Q	3.3	Q	Q	Q	1.8	2.7	24.1	
Age of Main Heating Equipment												
Less than 2 Years	9.3	8.5	9.2	11.4	6.8	12.0	8.3	7.8	9.2	11.2	10.4	
2 to 4 Years	11.0	9.2	10.7	13.7	8.6	14.0	10.4	8.7	11.7	12.4	9.5	
5 to 9 Years	18.3	14.7	17.9	22.5	15.5	17.2	16.6	20.0	15.0	21.9	7.3	
10 to 19 Years	22.4	20.8	23.0	22.8	22.3	27.0	21.8	22.8	17.8	24.5	5.1	
20 Years or More	22.2	26.5	24.2	14.8	28.0	21.3	26.5	21.7	28.6	12.6	6.4	
Don't Know	15.8	20.2	15.0	14.2	15.4	8.6	16.4	19.0	15.9	14.7	8.6	
No Main Equipment	0.9	Q	Q	Q	3.3	Q	Q	Q	1.8	2.7	24.1	

See footnotes at end of table.

**Table 3.7a. Space Heating by Census Region and Climate Zone,
Million U.S. Households, 1993 (Continued)**

Space Heating Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	1.1	0.8	0.8	1.6	1.3	1.2	1.2	1.1	
Secondary Heating Fuel and Equipment (more than one may apply)											
No	60.8	13.8	15.9	19.5	11.6	5.2	18.6	13.8	10.3	12.9	5.7
Yes	35.9	5.7	7.4	14.0	8.7	3.5	7.9	8.7	7.5	8.3	7.7
Natural Gas	4.1	0.3	0.7	1.8	1.2	0.3	0.6	0.5	1.3	1.2	19.8
Fireplace	1.8	Q	0.4	0.6	0.7	0.2	0.3	0.1	0.5	0.6	22.1
Room Heater	1.0	Q	Q	0.6	Q	Q	Q	Q	0.2	0.5	25.2
Central Warm-Air Furnace	0.6	Q	0.1	0.2	0.2	Q	Q	0.2	0.2	Q	31.6
Other Equipment	0.9	Q	Q	0.4	0.3	Q	0.1	Q	0.4	0.1	33.3
Electricity	14.6	2.3	3.3	6.0	3.0	1.4	3.3	3.4	3.0	3.5	10.4
Portable Heater	9.8	1.5	2.4	3.9	2.0	0.8	2.2	2.3	2.2	2.3	11.9
Built-in Electric Units	4.0	0.8	0.7	1.7	0.8	0.5	1.0	0.9	0.7	1.0	18.0
Other Equipment	0.8	Q	Q	0.3	0.3	Q	Q	Q	0.2	0.2	19.3
Fuel Oil	0.4	0.2	Q	Q	Q	0.1	Q	Q	Q	Q	21.6
Wood	19.0	3.1	3.8	6.7	5.4	1.7	4.4	4.9	3.6	4.3	9.9
Fireplace	15.9	2.2	3.3	5.9	4.5	1.0	3.6	4.0	3.2	4.1	10.7
Heating Stove	3.4	1.0	0.7	0.9	0.9	0.7	1.0	1.0	0.4	0.3	15.8
Other Equipment	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.8
LPG	1.2	Q	0.2	0.8	0.2	0.2	0.1	0.2	0.5	0.4	29.7
Kerosene	2.6	0.4	0.9	1.3	Q	0.2	0.7	0.9	0.5	0.3	22.7
Other	0.4	Q	Q	Q	0.1	Q	Q	Q	Q	Q	47.5

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.7b. Space Heating by Census Region and Climate Zone, Percent of Households, 1993 (Continued)

Space Heating Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	1.2	0.9	0.8	1.4	1.2	1.1	1.0	1.1	
Secondary Heating Fuel and Equipment (more than one may apply)											
No	62.9	70.8	68.2	58.1	57.1	59.7	70.2	61.4	57.8	61.0	3.5
Yes	37.1	29.2	31.8	41.9	42.9	40.3	29.8	38.6	42.2	39.0	5.9
Natural Gas	4.2	1.7	3.1	5.3	6.1	4.0	2.4	2.3	7.4	5.9	18.9
Fireplace	1.9	Q	1.5	1.9	3.6	2.5	1.3	0.6	2.9	2.8	22.1
Room Heater	1.0	Q	Q	1.9	Q	Q	Q	Q	1.0	2.4	23.8
Central Warm-Air Furnace	0.6	Q	0.6	0.7	1.0	Q	Q	0.9	1.3	Q	30.4
Other Equipment	0.9	Q	Q	1.1	1.5	Q	0.5	Q	2.5	0.6	32.5
Electricity	15.1	11.8	14.0	17.9	15.0	16.6	12.4	15.0	17.1	16.3	8.8
Portable Heater	10.1	7.7	10.2	11.7	9.8	9.2	8.3	10.4	12.2	10.9	10.5
Built-in Electric Units	4.1	4.3	2.9	5.0	4.0	5.9	3.7	3.9	3.7	4.5	17.0
Other Equipment	0.8	Q	Q	1.0	1.6	Q	Q	Q	1.1	1.2	18.4
Fuel Oil	0.4	1.2	Q	Q	Q	1.5	Q	Q	Q	Q	23.0
Wood	19.7	16.0	16.4	20.0	26.3	20.0	16.7	22.0	20.2	20.2	8.9
Fireplace	16.5	11.2	14.1	17.6	22.3	11.7	13.5	17.9	18.0	19.3	9.7
Heating Stove	3.6	5.2	2.8	2.7	4.2	8.3	3.8	4.6	2.2	1.3	15.4
Other Equipment	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.7
LPG	1.3	Q	0.8	2.4	1.0	1.8	0.3	0.7	2.6	1.8	28.9
Kerosene	2.7	2.0	3.8	3.8	Q	2.2	2.6	3.9	3.0	1.4	21.6
Other	0.4	Q	Q	Q	0.7	Q	Q	Q	Q	Q	43.4

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.8a. Space Heating by Year of Construction,
Million U.S. Households, 1993**

Space Heating Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.5	1.3	1.5	1.1	0.9	0.9	1.0	1.2	0.8	
Total	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.3
Main Heating Fuel and Equipment											
Natural Gas	50.8	2.1	1.8	2.2	3.4	7.6	8.9	8.1	4.3	12.4	7.9
Central Warm-Air Furnace	34.9	2.0	1.6	2.0	3.0	5.9	6.2	5.5	2.4	6.4	9.1
For One Housing Unit	34.1	2.0	1.6	1.9	2.9	5.8	6.0	5.4	2.3	6.0	9.3
For Two or More Units	0.9	Q	Q	Q	Q	Q	Q	Q	Q	0.4	39.3
Steam or Hot-Water System	8.7	Q	0.1	Q	0.3	1.0	1.8	0.9	0.7	3.6	21.0
For One Housing Unit	5.1	Q	0.1	Q	0.2	0.3	0.9	0.8	0.4	2.2	25.1
For Two or More Units	3.6	Q	Q	Q	Q	0.7	0.9	Q	0.3	1.4	25.3
Floor, Wall, or Pipeless Furnace	4.3	Q	Q	Q	0.1	0.5	0.6	1.3	0.7	1.0	20.8
Room Heater/Other	2.8	Q	Q	Q	Q	0.2	0.3	0.4	0.5	1.4	23.9
Electricity	25.3	1.9	2.2	2.8	4.0	7.0	3.5	1.9	0.7	1.4	10.6
Built-In Electric Units	7.0	Q	0.3	0.3	0.8	2.3	1.4	0.6	0.4	0.7	19.6
Central Warm-Air Furnace	9.5	0.8	0.9	1.1	1.7	2.8	1.2	0.7	Q	0.2	16.4
For One Housing Unit	9.3	0.8	0.9	1.1	1.7	2.7	1.1	0.6	Q	0.2	16.3
Heat Pump	7.5	0.8	1.0	1.3	1.3	1.7	0.7	0.5	Q	0.2	19.2
Other	1.3	Q	Q	Q	0.1	0.3	0.3	Q	Q	0.2	30.0
Fuel Oil	10.2	0.1	0.2	0.2	0.3	1.2	1.2	1.8	1.2	4.1	16.7
Steam or Hot-Water System	5.3	0.1	0.1	0.1	0.1	0.6	0.5	1.0	0.6	2.2	21.0
For One Housing Unit	3.5	0.1	0.1	0.1	0.1	0.5	0.4	0.7	0.3	1.3	23.8
For Two or More Units	1.8	Q	Q	Q	Q	Q	Q	0.3	0.4	0.9	21.8
Central Warm-Air Furnace	4.5	Q	0.1	0.1	0.2	0.5	0.6	0.7	0.5	1.7	23.1
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.2	42.2
Wood	3.1	Q	0.2	0.1	0.3	0.8	0.4	0.4	0.2	0.7	20.7
Heating Stove	2.4	Q	0.2	0.1	0.2	0.5	0.4	0.3	0.1	0.6	23.3
Other	0.7	Q	Q	Q	0.1	0.2	Q	Q	Q	Q	35.8
LPG	4.8	0.3	0.2	0.2	0.3	1.0	0.6	0.5	0.4	1.2	20.4
Central Warm-Air Furnace	3.1	0.3	0.2	0.2	0.3	0.7	0.5	0.2	Q	0.6	23.4
Room Heater	1.1	Q	Q	Q	Q	0.2	Q	0.3	0.2	0.4	33.7
Other	0.6	Q	Q	Q	Q	Q	Q	Q	Q	0.2	46.4
Kerosene	1.0	Q	Q	0.1	Q	0.3	Q	Q	Q	0.2	34.7
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.2	74.3
None	0.9	Q	Q	Q	Q	0.2	0.2	0.2	Q	Q	40.6
Amount of Heat Provided by Main Heating Equipment											
All or Almost All	87.3	4.2	4.3	5.1	7.9	16.4	13.5	11.7	6.1	18.2	5.6
About Three-Fourths	5.4	0.2	0.3	0.2	0.3	1.0	0.9	0.9	0.4	1.1	17.0
Closer to One-Half	3.1	0.1	0.1	0.1	0.2	0.5	0.4	0.3	0.4	0.9	22.3
No Main Equipment	0.9	Q	Q	Q	Q	0.2	0.2	0.2	Q	Q	40.6
Age of Main Heating Equipment											
Less than 2 Years	9.0	2.7	Q	0.1	0.4	1.1	1.2	1.4	0.5	1.5	14.9
2 to 4 Years	10.6	1.5	2.1	0.2	0.4	1.5	1.2	1.4	0.9	1.6	14.4
5 to 9 Years	17.7	Q	2.2	4.4	1.3	1.5	1.9	1.8	1.3	3.2	9.5
10 to 19 Years	21.6	Q	Q	0.2	5.0	6.9	1.8	2.6	1.2	3.9	9.2
20 Years or More	21.5	Q	Q	Q	Q	3.8	5.9	3.7	1.9	6.1	8.3
Don't Know	15.3	0.3	0.3	0.6	1.2	3.1	2.8	2.0	1.0	4.0	12.5
No Main Equipment	0.9	Q	Q	Q	Q	0.2	0.2	0.2	Q	Q	40.6

See footnotes at end of table.

**Table 3.8b. Space Heating by Year of Construction,
Percent of Households, 1993**

Space Heating Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.4	1.3	1.4	1.1	0.9	0.9	1.0	1.2	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating Fuel and Equipment											
Natural Gas	52.6	46.4	38.0	39.2	40.4	42.1	59.3	62.1	62.2	61.0	5.9
Central Warm-Air Furnace	36.2	44.6	34.8	36.2	35.2	32.4	41.0	42.0	34.3	31.6	7.4
For One Housing Unit	35.3	44.2	34.8	35.3	34.4	31.8	40.1	41.6	33.8	29.7	7.6
For Two or More Units	0.9	Q	Q	Q	Q	Q	Q	Q	Q	1.9	37.5
Steam or Hot-Water System	9.0	Q	2.6	Q	3.3	5.6	12.3	7.1	10.8	17.8	19.6
For One Housing Unit	5.3	Q	1.7	Q	2.3	1.6	6.0	6.4	6.0	11.0	23.7
For Two or More Units	3.8	Q	Q	Q	Q	4.1	6.3	Q	4.9	6.8	24.0
Floor, Wall, or Pipeless Furnace	4.4	Q	Q	Q	1.6	2.8	4.1	9.9	9.9	4.9	20.4
Room Heater/Other	2.9	Q	Q	Q	Q	1.3	1.8	3.0	7.1	6.7	23.6
Electricity	26.2	42.6	46.1	50.3	46.9	38.7	23.1	14.9	10.4	6.7	8.8
Built-In Electric Units	7.2	Q	6.1	6.2	9.3	12.8	9.1	4.8	5.5	3.4	19.1
Central Warm-Air Furnace	9.8	18.5	18.8	20.1	20.1	15.2	7.7	5.5	Q	1.0	15.4
For One Housing Unit	9.6	18.5	18.8	20.1	20.1	15.0	7.6	4.7	Q	1.0	15.3
Heat Pump	7.8	18.9	20.3	23.4	15.7	9.1	4.4	3.5	Q	1.2	17.8
Other	1.4	Q	Q	Q	1.7	1.6	1.8	Q	Q	1.1	29.0
Fuel Oil	10.6	2.9	4.5	3.0	3.2	6.6	8.0	13.6	17.1	20.1	16.2
Steam or Hot-Water System	5.5	2.2	2.1	1.3	1.3	3.5	3.5	7.4	9.2	10.8	20.7
For One Housing Unit	3.6	1.7	1.8	1.3	1.0	2.8	2.7	5.4	3.8	6.5	23.8
For Two or More Units	1.9	Q	Q	Q	Q	Q	Q	2.0	5.4	4.4	21.0
Central Warm-Air Furnace	4.7	Q	2.4	1.7	1.9	2.9	4.1	5.7	7.4	8.4	22.3
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.9	40.6
Wood	3.2	Q	4.2	1.8	3.9	4.2	2.8	3.1	3.1	3.3	21.0
Heating Stove	2.5	Q	3.6	1.5	2.8	2.9	2.4	2.3	2.0	2.8	23.4
Other	0.8	Q	Q	Q	1.1	1.3	Q	Q	Q	Q	34.4
LPG	5.0	7.6	5.2	4.4	3.7	5.3	4.3	4.0	5.2	5.9	20.5
Central Warm-Air Furnace	3.2	7.1	4.7	3.8	3.7	3.7	3.1	1.4	Q	3.1	23.1
Room Heater	1.2	Q	Q	Q	Q	1.0	Q	2.1	3.0	1.9	33.4
Other	0.6	Q	Q	Q	Q	Q	Q	Q	Q	0.9	45.2
Kerosene	1.0	Q	Q	1.3	Q	1.4	Q	Q	Q	1.2	34.0
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	1.1	70.5
None	0.9	Q	Q	Q	Q	1.2	1.4	1.3	Q	Q	38.8
Amount of Heat Provided by Main Heating Equipment											
All or Almost All	90.3	93.9	90.3	93.3	92.8	90.3	89.7	89.9	87.7	89.3	1.3
About Three-Fourths	5.6	4.4	6.8	4.5	3.9	5.7	6.0	6.7	5.4	5.6	16.7
Closer to One-Half	3.2	1.8	2.4	2.2	2.7	2.9	2.9	2.1	5.7	4.5	22.0
No Main Equipment	0.9	Q	Q	Q	Q	1.2	1.4	1.3	Q	Q	38.8
Age of Main Heating Equipment											
Less than 2 Years	9.3	60.1	Q	2.6	5.2	6.0	7.9	10.9	7.6	7.2	13.0
2 to 4 Years	11.0	33.2	43.6	2.8	4.3	8.4	8.3	10.5	12.5	7.7	12.9
5 to 9 Years	18.3	Q	45.9	80.4	15.9	8.4	12.7	14.1	18.4	15.9	7.8
10 to 19 Years	22.4	Q	Q	3.2	59.5	38.1	11.7	19.8	17.2	19.2	7.7
20 Years or More	22.2	Q	Q	Q	Q	21.0	39.0	28.3	28.2	29.8	6.2
Don't Know	15.8	6.2	7.0	11.0	14.0	16.9	18.9	15.2	14.9	19.6	11.9
No Main Equipment	0.9	Q	Q	Q	Q	1.2	1.4	1.3	Q	Q	38.8

See footnotes at end of table.

**Table 3.8a. Space Heating by Year of Construction,
Million U.S. Households, 1993 (Continued)**

Space Heating Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.5	1.3	1.5	1.1	0.9	0.9	1.0	1.2	0.8	
Secondary Heating Fuel and Equipment (more than one may apply)											
No	60.8	2.7	2.6	3.1	5.0	11.3	9.7	8.3	4.6	13.5	6.7
Yes	35.9	1.8	2.2	2.3	3.4	6.8	5.3	4.7	2.4	6.9	7.6
Natural Gas	4.1	0.4	0.3	0.3	0.3	0.5	0.6	0.6	0.3	0.9	20.7
Fireplace	1.8	0.4	0.1	0.2	Q	0.2	0.2	0.2	Q	0.2	30.0
Room Heater	1.0	Q	Q	Q	Q	Q	Q	0.2	Q	0.3	27.0
Central Warm-Air Furnace	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.5
Other Equipment	0.9	Q	Q	Q	Q	Q	Q	0.1	Q	0.4	38.3
Electricity	14.6	0.4	0.6	0.8	1.3	2.4	2.2	2.1	1.0	3.8	10.8
Portable Heater	9.8	0.3	0.3	0.5	0.9	1.5	1.5	1.5	0.7	2.7	13.8
Built-in Electric Units	4.0	0.1	0.2	0.3	0.4	0.6	0.6	0.6	0.2	1.0	20.0
Other Equipment	0.8	Q	Q	Q	Q	0.2	Q	Q	Q	Q	27.2
Fuel Oil	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.2	43.8
Wood	19.0	1.2	1.5	1.5	2.0	4.3	2.8	2.6	1.0	2.1	10.7
Fireplace	15.9	1.2	1.3	1.4	1.8	3.6	2.4	2.2	0.7	1.3	11.7
Heating Stove	3.4	0.1	0.1	0.1	0.2	0.9	0.4	0.5	0.3	0.7	20.3
Other Equipment	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	72.6
LPG	1.2	Q	0.1	Q	0.1	0.3	Q	Q	Q	0.3	31.6
Kerosene	2.6	Q	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.9	27.3
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.0

¹ Does not include all new construction for 1993.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.8b. Space Heating by Year of Construction,
Percent of Households, 1993 (Continued)**

Space Heating Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.4	1.3	1.4	1.1	0.9	0.9	1.0	1.2	0.8	
Secondary Heating Fuel and Equipment (more than one may apply)											
No	62.9	59.3	54.3	57.3	59.6	62.4	64.6	63.7	65.9	66.2	3.9
Yes	37.1	40.7	45.7	42.7	40.4	37.6	35.4	36.3	34.1	33.8	6.2
Natural Gas	4.2	8.7	6.0	5.9	3.2	2.5	3.9	4.4	4.8	4.2	20.7
Fireplace	1.9	8.1	3.1	4.0	Q	1.2	1.3	1.4	Q	0.7	29.9
Room Heater	1.0	Q	Q	Q	Q	Q	Q	1.5	Q	1.5	26.6
Central Warm-Air Furnace	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	45.1
Other Equipment	0.9	Q	Q	Q	Q	Q	Q	1.1	Q	1.8	37.5
Electricity	15.1	8.2	12.3	14.0	15.8	13.3	14.7	16.4	15.2	18.4	10.0
Portable Heater	10.1	5.8	6.8	9.3	10.3	8.2	9.9	11.1	9.9	13.4	12.8
Built-in Electric Units	4.1	1.4	4.0	4.7	5.2	3.5	3.8	4.9	3.2	4.8	20.2
Other Equipment	0.8	Q	Q	Q	Q	1.3	Q	Q	Q	Q	26.1
Fuel Oil	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.7
Wood	19.7	27.8	30.8	27.3	23.9	23.8	18.5	20.0	14.6	10.1	9.4
Fireplace	16.5	26.2	28.0	25.0	21.1	20.0	16.1	16.6	10.8	6.5	10.5
Heating Stove	3.6	2.2	3.1	2.4	2.9	5.1	2.7	3.7	3.7	3.7	20.1
Other Equipment	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.5
LPG	1.3	Q	1.7	Q	1.2	1.7	Q	Q	Q	Q	1.4
Kerosene	2.7	Q	2.0	1.9	1.5	2.0	3.3	2.5	2.8	4.3	27.2
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.8

¹ Does not include all new construction for 1993.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.9a. Space Heating by Type and Ownership of Housing Unit, Million U.S. Households, 1993

Space Heating Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Multifamily									Mobile Home			
		Single-Family			Two to Four Units			Five or More Units			Total	Own	Rent	
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.4	0.9	1.1	1.8	1.1	0.9	2.5	1.0	1.2	1.3	2.0	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.9
Main Heating Fuel and Equipment														
Natural Gas	50.8	37.3	31.1	6.3	4.7	0.9	3.7	7.0	0.6	6.4	1.8	1.5	0.3	9.2
Central Warm-Air Furnace	34.9	28.8	24.6	4.1	1.7	0.3	1.4	2.8	0.3	2.5	1.7	1.4	0.2	12.9
For One Housing Unit	34.1	28.7	24.6	4.1	1.3	0.3	1.0	2.4	0.3	2.1	1.7	1.4	0.2	13.4
For Two or More Units	0.9	Q	Q	Q	0.4	Q	0.4	0.4	Q	0.4	Q	Q	Q	31.8
Steam or Hot-Water System	8.7	3.6	3.3	0.3	1.9	0.6	1.4	3.1	Q	2.9	Q	Q	Q	16.0
For One Housing Unit	5.1	3.6	3.3	0.3	0.9	0.4	0.5	0.6	Q	0.6	Q	Q	Q	20.7
For Two or More Units	3.6	Q	Q	Q	1.0	Q	0.9	2.5	Q	2.4	Q	Q	Q	16.7
Floor, Wall, or														
Pipeless Furnace	4.3	2.9	1.8	1.1	0.5	Q	0.5	0.8	Q	0.7	Q	Q	Q	23.3
Room Heater/Other	2.8	2.0	1.3	0.7	0.5	Q	0.5	0.3	Q	0.3	Q	Q	Q	27.4
Electricity	25.3	14.3	11.7	2.6	2.3	0.2	2.1	7.2	0.7	6.5	1.5	1.2	0.3	13.4
Built-In Electric Units	7.0	3.3	2.6	0.7	1.1	Q	1.1	2.5	Q	2.3	0.1	0.1	Q	22.5
Central Warm-Air Furnace	9.5	4.5	3.7	0.8	0.7	Q	0.6	3.2	0.3	2.9	1.2	0.9	0.2	17.7
For One Housing Unit	9.3	4.5	3.7	0.8	0.7	Q	0.6	3.0	0.3	2.7	1.2	0.9	0.2	17.9
Heat Pump	7.5	5.8	5.1	0.7	0.3	Q	0.2	1.3	Q	1.1	0.1	0.1	Q	24.8
Other	1.3	0.7	0.4	0.3	0.2	Q	0.2	0.3	Q	0.3	0.2	Q	Q	30.6
Fuel Oil	10.2	7.6	6.7	0.9	0.9	0.3	0.6	1.5	0.2	1.3	0.3	0.2	Q	16.4
Steam or Hot-Water System	5.3	3.3	3.0	0.3	0.6	0.2	0.4	1.4	0.2	1.2	Q	Q	Q	17.8
For One Housing Unit	3.5	3.3	3.0	0.3	0.2	Q	0.1	Q	Q	Q	Q	Q	Q	27.9
For Two or More Units	1.8	Q	Q	Q	0.4	Q	0.3	1.4	0.2	1.2	Q	Q	Q	15.7
Central Warm-Air Furnace	4.5	4.0	3.5	0.6	0.2	Q	Q	Q	Q	Q	0.3	0.2	Q	25.4
Other	0.4	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.7
Wood	3.1	2.8	2.5	0.3	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	23.6
Heating Stove	2.4	2.1	1.8	0.3	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	27.2
Other	0.7	0.7	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	39.0
LPG	4.8	3.5	3.1	0.4	Q	Q	Q	Q	Q	Q	1.2	0.9	0.3	19.2
Central Warm-Air Furnace	3.1	2.1	1.8	0.2	Q	Q	Q	Q	Q	Q	1.0	0.8	0.2	22.6
Room Heater	1.1	1.0	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	45.7
Other	0.6	0.4	0.3	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.7
Kerosene	1.0	0.5	0.2	0.2	Q	Q	Q	Q	Q	Q	0.4	0.3	0.1	30.5
Other	0.4	Q	Q	Q	Q	Q	Q	0.1	Q	0.1	Q	Q	Q	65.0
None	0.9	0.5	0.3	0.2	Q	Q	Q	0.3	Q	0.2	Q	Q	Q	41.0
Amount of Heat Provided by Main Heating Equipment														
All or Almost All	87.3	59.1	49.4	9.7	7.5	1.3	6.1	15.5	1.5	14.1	5.1	4.1	1.0	6.2
About Three-Fourths	5.4	4.8	4.1	0.6	0.2	Q	Q	0.2	Q	0.2	0.2	0.2	Q	22.1
Closer to One-Half	3.1	2.5	2.0	0.5	0.3	Q	0.3	0.2	Q	0.2	0.1	0.1	Q	25.2
No Main Equipment	0.9	0.5	0.3	0.2	Q	Q	Q	0.3	Q	0.2	Q	Q	Q	41.0
Age of Main Heating Equipment														
Less than 2 Years	9.0	6.9	6.0	0.9	0.4	Q	0.3	1.1	Q	1.0	0.5	0.4	Q	17.7
2 to 4 Years	10.6	8.5	7.6	0.9	0.6	0.2	0.4	0.6	Q	0.5	0.9	0.8	0.1	17.5
5 to 9 Years	17.7	13.9	12.0	1.9	1.1	0.3	0.8	1.4	0.2	1.2	1.4	1.2	0.2	13.3
10 to 19 Years	21.6	16.4	14.5	1.9	1.4	0.3	1.1	2.3	0.3	2.0	1.5	1.3	0.2	11.3
20 Years or More	21.5	15.9	13.4	2.5	1.9	0.4	1.4	3.0	0.5	2.5	0.6	0.5	0.2	11.5
Don't Know	15.3	4.7	1.9	2.7	2.5	Q	2.5	7.6	0.2	7.4	0.5	0.2	0.3	12.3
No Main Equipment	0.9	0.5	0.3	0.2	Q	Q	Q	0.3	Q	0.2	Q	Q	Q	41.0

See footnotes at end of table.

Table 3.9b. Space Heating by Type and Ownership of Housing Unit, Percent of Households, 1993

Space Heating Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Multifamily									Mobile Home			
		Single-Family			Two to Four Units			Five or More Units						
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent	Total	Own		Rent
RSE Column Factor:	0.4	0.4	0.5	0.9	1.1	1.8	1.1	0.9	2.3	1.0	1.1	1.3	2.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating Fuel and Equipment														
Natural Gas	52.6	55.9	55.7	56.7	58.1	63.3	56.9	43.2	36.9	43.9	32.4	34.5	24.6	7.8
Central Warm-Air Furnace	36.2	43.0	44.2	37.4	21.7	21.0	21.9	17.2	19.7	16.9	29.7	32.5	19.0	11.8
For One Housing Unit	35.3	43.0	44.1	37.1	16.4	19.7	15.6	14.7	19.7	14.2	29.7	32.5	19.0	12.4
For Two or More Units	0.9	Q	Q	Q	5.3	Q	6.2	2.4	Q	2.7	Q	Q	Q	31.5
Steam or Hot-Water System	9.0	5.4	5.9	3.0	23.9	37.6	20.8	19.4	Q	20.0	Q	Q	Q	15.3
For One Housing Unit	5.3	5.4	5.9	2.6	10.8	27.1	7.1	3.8	Q	3.9	Q	Q	Q	20.1
For Two or More Units	3.8	Q	Q	Q	13.1	Q	13.7	15.6	Q	16.1	Q	Q	Q	16.0
Floor, Wall, or														
Pipeless Furnace	4.4	4.4	3.2	10.4	6.3	Q	7.2	4.9	Q	5.0	Q	Q	Q	22.5
Room Heater/Other	2.9	3.0	2.4	6.0	6.2	Q	7.1	1.8	Q	1.9	Q	Q	Q	26.3
Electricity	26.2	21.4	21.0	23.5	28.1	13.4	31.5	44.6	45.5	44.5	27.4	28.2	24.5	11.2
Built-In Electric Units	7.2	5.0	4.7	6.4	13.8	Q	16.2	15.2	Q	15.3	2.0	2.0	Q	21.4
Central Warm-Air Furnace	9.8	6.7	6.6	7.5	8.2	Q	9.5	19.5	17.7	19.7	20.7	20.7	20.5	15.7
For One Housing Unit	9.6	6.7	6.6	7.5	8.2	Q	9.5	18.5	17.7	18.6	20.7	20.7	20.5	15.9
Heat Pump	7.8	8.7	9.1	6.8	3.8	Q	3.0	8.2	Q	7.7	1.8	2.3	Q	23.9
Other	1.4	1.0	0.7	2.9	2.3	Q	2.8	1.7	Q	1.8	2.9	Q	Q	30.3
Fuel Oil	10.6	11.4	12.0	8.4	10.8	19.5	8.8	9.0	11.8	8.7	5.3	4.0	Q	16.6
Steam or Hot-Water System	5.5	5.0	5.4	2.6	7.8	12.4	6.8	8.6	11.8	8.2	Q	Q	Q	17.7
For One Housing Unit	3.6	4.9	5.4	2.6	2.4	Q	1.8	Q	Q	Q	Q	Q	Q	27.4
For Two or More Units	1.9	Q	Q	Q	5.5	Q	5.0	8.4	11.8	8.1	Q	Q	Q	16.3
Central Warm-Air Furnace	4.7	6.0	6.2	5.2	2.2	Q	Q	Q	Q	Q	4.8	3.8	Q	25.3
Other	0.4	0.4	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.5
Wood	3.2	4.2	4.5	3.0	Q	Q	Q	Q	Q	Q	4.1	4.4	Q	23.5
Heating Stove	2.5	3.2	3.3	2.8	Q	Q	Q	Q	Q	Q	3.6	3.7	Q	27.1
Other	0.8	1.0	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	36.9
LPG	5.0	5.3	5.5	3.9	Q	Q	Q	Q	Q	Q	21.6	21.2	23.0	18.6
Central Warm-Air Furnace	3.2	3.1	3.3	1.9	Q	Q	Q	Q	Q	Q	18.2	18.6	16.8	21.7
Room Heater	1.2	1.5	1.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	42.8
Other	0.6	0.6	0.6	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.2
Kerosene	1.0	0.7	0.4	1.9	Q	Q	Q	Q	Q	Q	7.7	6.6	11.9	28.8
Other	0.4	Q	Q	Q	Q	Q	Q	0.9	Q	1.0	Q	Q	Q	63.9
None	0.9	0.7	0.5	2.0	Q	Q	Q	1.7	Q	1.3	Q	Q	Q	39.9
Amount of Heat Provided by Main Heating Equipment														
All or Almost All	90.3	88.5	88.5	88.1	93.4	90.1	94.2	95.7	93.5	95.9	92.2	93.7	86.3	1.5
About Three-Fourths	5.6	7.1	7.4	5.6	2.3	Q	Q	1.4	Q	1.5	4.3	3.4	Q	21.5
Closer to One-Half	3.2	3.7	3.5	4.3	3.6	Q	4.3	1.2	Q	1.3	2.4	1.9	Q	24.6
No Main Equipment	0.9	0.7	0.5	2.0	Q	Q	Q	1.7	Q	1.3	Q	Q	Q	39.9
Age of Main Heating Equipment														
Less than 2 Years	9.3	10.4	10.8	8.1	5.3	Q	5.0	6.7	Q	6.5	9.7	9.8	Q	17.1
2 to 4 Years	11.0	12.7	13.6	8.1	8.0	15.9	6.1	3.6	Q	3.1	16.4	17.5	12.2	16.2
5 to 9 Years	18.3	20.7	21.5	16.9	13.7	20.6	12.1	8.4	12.3	8.0	25.0	26.5	19.1	11.9
10 to 19 Years	22.4	24.6	26.0	17.4	17.3	22.3	16.2	14.2	19.4	13.6	26.5	29.8	14.3	9.7
20 Years or More	22.2	23.8	24.0	22.7	23.5	29.7	22.1	18.7	33.8	17.1	11.6	10.8	14.6	10.3
Don't Know	15.8	7.0	3.5	24.8	31.5	Q	38.1	46.7	11.8	50.4	9.7	4.6	28.8	10.8
No Main Equipment	0.9	0.7	0.5	2.0	Q	Q	Q	1.7	Q	1.3	Q	Q	Q	39.9

See footnotes at end of table.

**Table 3.9a. Space Heating by Type and Ownership of Housing Unit,
Million U.S. Households, 1993 (Continued)**

Space Heating Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.4	0.4	0.4	0.9	1.1	1.8	1.1	0.9	2.5	1.0	1.2	1.3	2.0	
Secondary Heating Fuel and Equipment														
(more than one may apply)														
No	60.8	36.0	28.5	7.5	6.5	1.1	5.4	14.3	1.4	12.9	3.9	3.2	0.8	6.9
Yes	35.9	30.8	27.2	3.5	1.5	0.4	1.1	1.9	0.1	1.8	1.6	1.2	0.4	11.3
Natural Gas	4.1	3.6	3.2	0.4	0.1	Q	Q	0.3	Q	0.3	Q	Q	Q	26.4
Fireplace	1.8	1.7	1.5	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.4
Room Heater	1.0	0.9	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	37.6
Central Warm-Air Furnace	0.6	0.6	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	49.1
Other Equipment	0.9	0.6	0.4	0.2	Q	Q	Q	0.2	Q	0.2	Q	Q	Q	41.3
Electricity	14.6	11.8	10.3	1.5	0.8	0.2	0.6	1.2	Q	1.1	0.8	0.6	0.2	13.5
Portable Heater	9.8	7.6	6.5	1.1	0.6	0.2	0.4	0.9	Q	0.9	0.7	0.4	0.2	14.9
Built-in Electric Units	4.0	3.6	3.3	0.3	0.2	Q	0.1	0.1	Q	0.1	Q	Q	Q	29.7
Other Equipment	0.8	0.5	0.4	Q	Q	Q	Q	0.1	Q	0.1	0.1	Q	Q	37.0
Fuel Oil	0.4	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	47.5
Wood	19.0	17.5	16.0	1.5	0.5	0.2	Q	0.5	Q	0.4	0.4	0.4	Q	17.5
Fireplace	15.9	14.6	13.3	1.3	0.5	0.1	Q	0.5	Q	0.4	0.3	0.3	Q	19.4
Heating Stove	3.4	3.3	3.0	0.3	0.1	Q	Q	Q	Q	Q	0.1	0.1	Q	23.3
Other Equipment	0.2	0.2	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	74.8
LPG	1.2	1.1	0.9	0.1	Q	Q	Q	Q	Q	Q	0.2	0.1	Q	35.1
Kerosene	2.6	2.2	1.8	0.4	Q	Q	Q	Q	Q	Q	0.3	0.1	Q	30.5
Other	0.4	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	64.6

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.9b. Space Heating by Type and Ownership of Housing Unit, Percent of Households, 1993 (Continued)

Space Heating Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.5	0.9	1.1	1.8	1.1	0.9	2.3	1.0	1.1	1.3	2.1	
Secondary Heating Fuel and Equipment (more than one may apply)														
No	62.9	53.9	51.1	68.0	81.0	73.4	82.8	88.2	90.4	88.0	70.6	71.9	65.7	3.3
Yes	37.1	46.1	48.9	32.0	19.0	26.6	17.2	11.8	9.6	12.0	29.4	28.1	34.3	9.9
Natural Gas	4.2	5.4	5.7	3.8	1.5	Q	Q	2.0	Q	2.2	Q	Q	Q	25.2
Fireplace	1.9	2.5	2.8	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.2
Room Heater	1.0	1.4	1.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	35.1
Central Warm-Air Furnace	0.6	0.8	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	46.5
Other Equipment	0.9	0.9	0.8	1.7	Q	Q	Q	1.1	Q	1.2	Q	Q	Q	39.8
Electricity	15.1	17.7	18.5	13.7	10.2	13.5	9.4	7.2	Q	7.5	14.8	13.5	19.7	12.8
Portable Heater	10.1	11.4	11.7	9.8	7.8	11.6	6.9	5.6	Q	5.9	11.9	10.2	18.2	14.1
Built-in Electric Units	4.1	5.4	5.9	3.1	2.1	Q	2.1	0.9	Q	1.0	Q	Q	Q	29.2
Other Equipment	0.8	0.7	0.6	Q	Q	Q	Q	0.8	Q	0.8	2.4	Q	Q	36.8
Fuel Oil	0.4	0.5	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.8
Wood	19.7	26.2	28.7	13.8	6.6	11.2	5.6	3.2	Q	3.0	7.5	9.0	Q	17.8
Fireplace	16.5	21.9	23.9	11.6	5.9	9.0	Q	3.2	Q	3.0	5.5	6.9	Q	18.2
Heating Stove	3.6	4.9	5.3	2.5	0.9	Q	Q	Q	Q	Q	1.9	2.2	Q	23.2
Other Equipment	0.2	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	70.5
LPG	1.3	1.6	1.7	1.3	Q	Q	Q	Q	Q	Q	2.9	2.8	Q	34.8
Kerosene	2.7	3.3	3.2	3.4	Q	Q	Q	Q	Q	Q	4.6	3.2	Q	29.9
Other	0.4	0.4	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.9

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.10. Space Heating by Average Floorspace,
U.S. Households, 1993**

Space Heating Characteristics	Total Households (mil-lions)	Average Square Feet per Housing Unit		Average Heated Square Feet per Household Member				Average Heated Square Feet per Housing Unit			RSE Row Factors
		Total	Heated	All Households	Single-Family	Multi-family	Mobile Home	Single-Family	Multi-family	Mobile Home	
		1.3	0.7	0.6	0.7	0.8	1.5	2.0	0.6	1.3	
Total	96.6	1,875	1,630	624	698	432	354	1,947	917	938	1.8
Main Heating Fuel and Equipment											
Natural Gas	50.8	1,959	1,714	649	712	435	394	1,992	939	972	2.5
Central Warm-Air Furnace	34.9	2,160	1,884	695	735	479	407	2,072	1,012	995	2.9
For One Housing Unit	34.1	2,190	1,908	701	735	496	407	2,073	1,038	995	2.9
For Two or More Units	0.9	973	917	421	Q	409	Q	Q	896	Q	13.1
Steam or Hot-Water System	8.7	1,745	1,538	650	852	453	Q	2,391	934	Q	5.4
For One Housing Unit	5.1	2,397	2,066	768	858	522	Q	2,398	1,298	Q	6.4
For Two or More Units	3.6	827	794	416	Q	415	Q	Q	783	Q	4.4
Floor, Wall, or Pipeless Furnace	4.3	1,220	1,093	424	471	319	Q	1,245	763	Q	7.1
Room Heater/Other	2.8	1,261	1,101	405	446	316	Q	1,219	840	Q	7.5
Electricity	25.3	1,597	1,409	578	666	442	378	1,803	881	999	2.9
Built-In Electric Units	7.0	1,346	1,174	525	607	429	351	1,569	812	1,025	7.0
Central Warm-Air Furnace	9.5	1,510	1,358	542	623	471	379	1,799	944	1,005	4.0
For One Housing Unit	9.3	1,521	1,367	545	623	474	379	1,799	950	1,005	3.9
Heat Pump	7.5	2,039	1,770	708	764	464	474	2,019	926	1,175	6.5
Other	1.3	1,021	951	359	423	270	331	1,133	719	824	11.4
Fuel Oil	10.2	2,268	1,917	714	797	445	349	2,216	1,084	768	4.8
Steam or Hot-Water System	5.3	2,212	1,870	698	859	411	Q	2,373	1,047	Q	5.0
For One Housing Unit	3.5	2,828	2,333	857	867	690	Q	2,377	1,712	Q	6.4
For Two or More Units	1.8	1,027	981	377	Q	379	Q	Q	970	Q	6.5
Central Warm-Air Furnace	4.5	2,409	2,035	754	768	969	363	2,142	1,592	775	7.4
Other	0.4	1,415	1,206	454	481	Q	Q	1,390	Q	Q	15.4
Wood	3.1	2,097	1,843	589	627	Q	304	1,900	Q	1,144	8.4
Heating Stove	2.4	2,001	1,744	558	594	Q	329	1,792	Q	1,195	8.7
Other	0.7	2,416	2,170	692	726	Q	Q	2,228	Q	Q	14.7
LPG	4.8	1,823	1,630	606	708	Q	319	1,904	Q	886	5.0
Central Warm-Air Furnace	3.1	2,034	1,809	634	776	Q	332	2,255	Q	914	6.6
Room Heater	1.1	1,359	1,227	530	560	Q	Q	1,279	Q	Q	9.5
Other	0.6	1,620	1,476	578	657	Q	Q	1,713	Q	Q	19.9
Kerosene	1.0	1,107	935	363	412	Q	322	1,044	Q	868	11.0
Other	0.4	1,455	1,403	713	Q	521	Q	Q	785	Q	27.3
None	0.9	1,092	--	--	--	--	--	--	--	--	16.9
Amount of Heat Provided by Main Heating Equipment											
All or Almost All	87.3	1,852	1,619	628	705	439	368	1,947	926	947	1.8
About Three-Fourths	5.4	2,254	1,979	681	717	522	263	2,097	1,231	930	6.8
Closer to One-Half	3.1	2,088	1,811	644	718	356	289	2,038	880	1,056	8.3
No Main Equipment	0.9	1,092	--	--	--	--	--	--	--	--	16.9
Age of Main Heating Equipment											
Less than 2 Years	9.0	2,087	1,831	665	715	481	371	2,078	1,002	989	4.6
2 to 4 Years	10.6	2,134	1,833	664	722	472	340	2,034	1,075	970	4.4
5 to 9 Years	17.7	2,069	1,802	651	703	476	371	2,011	1,061	1,038	3.3
10 to 19 Years	21.6	1,997	1,744	641	690	467	371	1,989	966	959	3.1
20 Years or More	21.5	1,946	1,679	716	794	469	340	1,940	952	798	3.6
Don't Know	15.3	1,122	1,038	428	489	394	334	1,484	846	801	4.0
No Main Equipment	0.9	1,092	--	--	--	--	--	--	--	--	16.9

See footnotes at end of table.

**Table 3.10. Space Heating by Average Floorspace,
U.S. Households, 1993 (Continued)**

Space Heating Characteristics	Total Households (millions)	Average Square Feet per Housing Unit		Average Heated Square Feet per Household Member				Average Heated Square Feet per Housing Unit			RSE Row Factors
		Total	Heated	All Households	Single-Family	Multi-family	Mobile Home	Single-Family	Multi-family	Mobile Home	
		1.3	0.7	0.6	0.7	0.8	1.5	2.0	0.6	1.3	
Secondary Heating Fuel and Equipment (more than one may apply)											
No	60.8	1,606	1,403	563	646	426	356	1,751	896	904	2.0
Yes	35.9	2,332	2,015	716	757	467	349	2,176	1,045	1,020	2.7
Natural Gas	4.1	2,258	1,960	741	763	503	Q	2,082	1,000	Q	8.1
Fireplace	1.8	2,764	2,383	879	885	Q	Q	2,475	Q	Q	9.0
Room Heater	1.0	2,027	1,817	692	693	Q	Q	1,828	Q	Q	11.7
Central Warm-Air Furnace	0.6	2,400	2,016	695	687	Q	Q	2,007	Q	Q	16.8
Other Equipment	0.9	1,412	1,216	534	611	311	Q	1,461	624	Q	13.0
Electricity	14.6	2,122	1,838	685	745	424	347	2,047	979	925	4.1
Portable Heater	9.8	1,980	1,693	654	717	436	332	1,916	946	850	4.7
Built-in Electric Units	4.0	2,424	2,146	759	790	420	Q	2,246	1,109	Q	8.3
Other Equipment	0.8	1,796	1,711	549	679	327	358	2,121	1,028	1,095	14.3
Fuel Oil	0.4	2,590	2,083	712	740	Q	Q	2,155	Q	Q	12.6
Wood	19.0	2,673	2,304	779	796	568	443	2,391	1,241	1,374	3.7
Fireplace	15.9	2,686	2,306	778	795	555	486	2,400	1,207	1,411	4.1
Heating Stove	3.4	2,640	2,326	796	816	728	345	2,374	1,726	1,267	8.3
Other Equipment	0.2	3,130	2,535	898	898	Q	Q	2,535	Q	Q	30.0
LPG	1.2	1,937	1,719	608	685	Q	253	1,836	Q	954	10.0
Kerosene	2.6	2,043	1,756	611	666	Q	276	1,906	Q	838	7.1
Other	0.4	2,458	2,312	872	949	Q	Q	2,594	Q	Q	22.3

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.11. Space Heating by Total Floorspace,
U.S. Households, 1993**

Space Heating Characteristics	Total Households		Total Square Footage				RSE Row Factors
	(millions)	(percent)	Total		Heated		
			(billions)	(percent)	(billions)	(percent)	
	RSE Column Factor:	0.9	0.9	1.1	1.0	1.0	
Total	96.6	100.0	181.2	100.0	157.5	100.0	1.1
Main Heating Fuel and Equipment							
Natural Gas	50.8	52.6	99.5	54.9	87.1	55.3	3.2
Central Warm-Air Furnace	34.9	36.2	75.5	41.6	65.8	41.8	3.7
For One Housing Unit	34.1	35.3	74.6	41.2	65.0	41.3	3.7
For Two or More Units	0.9	0.9	0.8	0.5	0.8	0.5	21.1
Steam or Hot-Water System	8.7	9.0	15.3	8.4	13.4	8.5	7.5
For One Housing Unit	5.1	5.3	12.3	6.8	10.6	6.7	9.0
For Two or More Units	3.6	3.8	3.0	1.7	2.9	1.8	9.3
Floor, Wall, or Pipeless Furnace	4.3	4.4	5.2	2.9	4.7	3.0	9.8
Room Heater/Other	2.8	2.9	3.6	2.0	3.1	2.0	11.9
Electricity	25.3	26.2	40.5	22.3	35.7	22.7	4.3
Built-In Electric Units	7.0	7.2	9.4	5.2	8.2	5.2	9.0
Central Warm-Air Furnace	9.5	9.8	14.3	7.9	12.9	8.2	8.3
For One Housing Unit	9.3	9.6	14.2	7.8	12.7	8.1	8.5
Heat Pump	7.5	7.8	15.4	8.5	13.4	8.5	7.0
Other	1.3	1.4	1.3	0.7	1.2	0.8	13.6
Fuel Oil	10.2	10.6	23.2	12.8	19.6	12.5	6.8
Steam or Hot-Water System	5.3	5.5	11.8	6.5	10.0	6.3	8.9
For One Housing Unit	3.5	3.6	9.9	5.5	8.2	5.2	10.9
For Two or More Units	1.8	1.9	1.9	1.0	1.8	1.1	13.5
Central Warm-Air Furnace	4.5	4.7	10.8	6.0	9.2	5.8	8.8
Other	0.4	0.4	0.6	0.3	0.5	0.3	20.8
Wood	3.1	3.2	6.5	3.6	5.8	3.7	9.4
Heating Stove	2.4	2.5	4.8	2.6	4.2	2.7	10.3
Other	0.7	0.8	1.8	1.0	1.6	1.0	17.2
LPG	4.8	5.0	8.8	4.8	7.8	5.0	10.7
Central Warm-Air Furnace	3.1	3.2	6.3	3.5	5.6	3.5	11.7
Room Heater	1.1	1.2	1.6	0.9	1.4	0.9	18.7
Other	0.6	0.6	0.9	0.5	0.8	0.5	26.3
Kerosene	1.0	1.0	1.1	0.6	0.9	0.6	17.6
Other	0.4	0.4	0.6	0.3	0.6	0.4	41.3
None	0.9	0.9	1.0	0.5	--	--	21.0
Amount of Heat Provided by Main Heating Equipment							
All or Almost All	87.3	90.3	161.7	89.2	141.3	89.7	1.3
About Three-Fourths	5.4	5.6	12.2	6.7	10.7	6.8	7.7
Closer to One-Half	3.1	3.2	6.4	3.5	5.6	3.5	10.1
No Main Equipment	0.9	0.9	1.0	0.5	--	--	21.0
Age of Main Heating Equipment							
Less than 2 Years	9.0	9.3	18.8	10.4	16.5	10.5	5.3
2 to 4 Years	10.6	11.0	22.7	12.5	19.5	12.4	5.6
5 to 9 Years	17.7	18.3	36.7	20.2	31.9	20.3	4.2
10 to 19 Years	21.6	22.4	43.1	23.8	37.7	23.9	3.1
20 Years or More	21.5	22.2	41.8	23.1	36.1	22.9	3.4
Don't Know	15.3	15.8	17.2	9.5	15.9	10.1	4.9
No Main Equipment	0.9	0.9	1.0	0.5	--	--	21.0

See footnotes at end of table.

**Table 3.11. Space Heating by Total Floorspace,
U.S. Households, 1993 (Continued)**

Space Heating Characteristics	Total Households		Total Square Footage				RSE Row Factors
	(millions)	(percent)	Total		Heated		
			(billions)	(percent)	(billions)	(percent)	
	RSE Column Factor:	0.9	0.9	1.1	1.0	1.0	
Secondary Heating Fuel and Equipment							
(more than one may apply)							
No	60.8	62.9	97.6	53.9	85.3	54.1	2.3
Yes	35.9	37.1	83.6	46.1	72.3	45.9	3.3
Natural Gas	4.1	4.2	9.2	5.1	8.0	5.1	9.4
Fireplace	1.8	1.9	5.0	2.8	4.3	2.7	12.7
Room Heater	1.0	1.0	1.9	1.1	1.7	1.1	15.9
Central Warm-Air Furnace	0.6	0.6	1.4	0.8	1.2	0.8	23.8
Other Equipment	0.9	0.9	1.2	0.7	1.1	0.7	21.1
Electricity	14.6	15.1	31.0	17.1	26.9	17.1	5.0
Portable Heater	9.8	10.1	19.4	10.7	16.6	10.5	5.6
Built-in Electric Units	4.0	4.1	9.7	5.3	8.6	5.4	9.3
Other Equipment	0.8	0.8	1.4	0.8	1.4	0.9	14.1
Fuel Oil	0.4	0.4	0.9	0.5	0.8	0.5	17.8
Wood	19.0	19.7	50.8	28.0	43.8	27.8	4.6
Fireplace	15.9	16.5	42.8	23.6	36.7	23.3	4.9
Heating Stove	3.4	3.6	9.1	5.0	8.0	5.1	8.1
Other Equipment	0.2	0.2	0.5	0.3	0.4	0.3	32.0
LPG	1.2	1.3	2.4	1.3	2.1	1.3	15.1
Kerosene	2.6	2.7	5.3	2.9	4.5	2.9	14.7
Other	0.4	0.4	0.9	0.5	0.8	0.5	26.6

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.12a. Space Heating by Family Income,
Million U.S. Households, 1993**

Space Heating Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
		0.5	1.9	1.3	1.1	0.9	1.0	0.9	0.9	1.1		
Total	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.5
Main Heating Fuel and Equipment												
Natural Gas	50.8	2.0	5.2	6.0	9.6	6.9	9.0	12.1	7.1	9.5	15.5	5.7
Central Warm-Air Furnace	34.9	0.8	2.7	3.6	6.2	5.3	6.8	9.6	3.4	4.9	8.4	7.1
For One Housing Unit	34.1	0.8	2.6	3.4	5.9	5.2	6.7	9.5	3.3	4.7	8.1	7.4
For Two or More Units	0.9	Q	Q	Q	0.3	Q	Q	Q	Q	Q	0.3	37.8
Steam or Hot-Water System	8.7	0.6	1.2	1.1	1.8	0.9	1.5	1.6	1.6	2.0	3.4	12.4
For One Housing Unit	5.1	0.2	0.5	0.5	1.1	0.5	0.9	1.3	0.7	1.0	1.6	17.1
For Two or More Units	3.6	0.3	0.7	0.6	0.7	0.4	0.5	0.3	0.8	1.0	1.8	19.5
Floor, Wall, or Pipeless Furnace	4.3	0.2	0.6	0.8	1.0	0.5	0.6	0.6	1.0	1.2	1.9	18.1
Room Heater/Other	2.8	0.3	0.7	0.6	0.6	0.2	0.2	0.2	1.1	1.4	1.7	18.5
Electricity	25.3	1.2	3.2	2.8	4.7	4.0	4.5	5.0	4.0	5.3	8.4	8.0
Built-In Electric Units	7.0	0.5	1.3	1.1	1.4	1.0	1.0	0.7	1.6	2.1	3.2	15.0
Central Warm-Air Furnace	9.5	0.4	0.9	1.0	2.0	1.6	1.9	1.6	1.4	1.8	2.8	13.1
For One Housing Unit	9.3	0.4	0.9	1.0	2.0	1.6	1.9	1.6	1.3	1.7	2.7	13.4
Heat Pump	7.5	0.3	0.6	0.5	1.0	1.2	1.4	2.6	0.6	0.9	1.6	18.0
Other	1.3	Q	0.3	0.3	0.3	0.1	Q	Q	0.4	0.5	0.8	23.7
Fuel Oil	10.2	0.4	0.9	0.9	1.7	1.6	2.3	2.4	1.2	1.8	2.8	11.5
Steam or Hot-Water System	5.3	0.2	0.5	0.5	0.8	0.7	1.2	1.4	0.8	1.0	1.5	14.6
For One Housing Unit	3.5	Q	0.2	0.3	0.5	0.5	0.8	1.1	0.2	0.3	0.6	21.0
For Two or More Units	1.8	0.2	0.3	0.3	0.3	0.2	0.4	0.2	0.5	0.7	0.9	17.8
Central Warm-Air Furnace	4.5	Q	0.3	0.4	0.9	0.9	1.0	1.0	0.4	0.6	1.1	16.7
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.1	0.2	35.9
Wood	3.1	Q	0.3	0.4	0.5	0.4	0.7	0.7	0.5	0.8	1.1	16.7
Heating Stove	2.4	Q	0.3	0.4	0.3	0.3	0.6	0.4	0.5	0.7	1.0	18.2
Other	0.7	Q	Q	Q	0.2	Q	0.1	0.2	Q	Q	0.1	34.1
LPG	4.8	0.2	0.7	0.6	1.1	0.9	0.7	0.6	1.0	1.4	1.8	15.5
Central Warm-Air Furnace	3.1	Q	0.2	0.3	0.8	0.7	0.5	0.5	0.4	0.5	0.8	20.3
Room Heater	1.1	Q	0.3	0.2	0.3	0.2	Q	Q	0.4	0.6	0.7	26.4
Other	0.6	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	0.3	29.7
Kerosene	1.0	Q	0.2	0.1	0.3	Q	Q	Q	0.3	0.4	0.6	25.1
Other	0.4	Q	Q	Q	0.1	Q	Q	Q	Q	Q	Q	57.6
None	0.9	Q	Q	0.1	0.2	Q	0.1	Q	0.2	0.2	0.3	23.3
Amount of Heat Provided by Main Heating Equipment												
All or Almost All	87.3	3.7	9.9	10.2	16.6	12.7	15.7	18.5	13.2	17.9	28.1	3.6
About Three-Fourths	5.4	0.2	0.3	0.3	0.9	0.9	1.0	1.7	0.4	0.6	1.2	15.7
Closer to One-Half	3.1	0.2	0.3	0.4	0.6	0.3	0.6	0.6	0.6	0.7	1.1	17.9
No Main Equipment	0.9	Q	Q	0.1	0.2	Q	0.1	Q	0.2	0.2	0.3	23.3
Age of Main Heating Equipment												
Less than 2 Years	9.0	0.2	1.0	0.7	1.5	1.3	1.9	2.4	1.2	1.6	2.4	12.4
2 to 4 Years	10.6	0.2	0.8	1.0	1.7	1.8	2.2	2.9	1.1	1.6	2.6	11.2
5 to 9 Years	17.7	0.5	1.3	1.8	3.4	2.6	3.6	4.5	1.8	2.7	4.5	8.2
10 to 19 Years	21.6	0.8	2.3	2.1	3.8	3.3	4.1	5.2	2.8	4.2	6.4	7.2
20 Years or More	21.5	1.0	2.4	2.9	4.5	3.3	3.4	4.1	3.1	4.2	7.2	7.3
Don't Know	15.3	1.3	2.8	2.5	3.3	1.6	2.1	1.7	4.2	5.0	7.2	8.1
No Main Equipment	0.9	Q	Q	0.1	0.2	Q	0.1	Q	0.2	0.2	0.3	23.3

See footnotes at end of table.

Table 3.12b. Space Heating by Family Income, Percent of U.S. Households, 1993

Space Heating Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	0.9	1.1	0.9	0.9	1.1	0.9	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating Fuel and Equipment												
Natural Gas	52.6	48.6	48.8	54.1	52.3	49.1	51.8	57.7	49.5	49.1	50.4	4.6
Central Warm-Air Furnace	36.2	20.4	25.3	32.1	33.8	37.5	38.8	45.8	24.0	25.3	27.5	6.6
For One Housing Unit	35.3	20.1	24.1	30.8	32.1	36.9	38.3	45.4	23.1	24.5	26.4	6.8
For Two or More Units	0.9	Q	Q	Q	1.7	Q	Q	Q	Q	Q	1.1	37.4
Steam or Hot-Water System	9.0	14.4	11.4	10.2	9.7	6.7	8.4	7.7	10.8	10.4	11.2	11.9
For One Housing Unit	5.3	6.0	5.0	4.9	5.8	3.5	5.3	6.2	5.0	5.1	5.4	16.8
For Two or More Units	3.8	8.3	6.4	5.3	3.9	3.2	3.1	1.5	5.9	5.2	5.9	19.1
Floor, Wall, or Pipeless Furnace	4.4	5.7	5.7	6.8	5.4	3.2	3.5	3.1	6.7	6.3	6.1	17.8
Room Heater/Other	2.9	8.1	6.4	5.1	3.3	1.7	1.1	1.1	8.0	7.2	5.6	18.0
Electricity	26.2	29.1	29.8	25.4	25.8	28.3	25.7	23.8	27.6	27.2	27.3	7.1
Built-In Electric Units	7.2	11.1	12.0	9.6	7.8	7.4	5.9	3.4	10.8	10.8	10.5	14.7
Central Warm-Air Furnace	9.8	10.1	8.9	8.9	10.9	11.5	10.9	7.7	9.6	9.4	9.2	12.7
For One Housing Unit	9.6	9.2	8.6	8.9	10.8	11.2	10.8	7.6	9.1	9.0	8.9	13.1
Heat Pump	7.8	6.3	6.0	4.1	5.6	8.4	8.1	12.3	4.2	4.5	5.2	17.4
Other	1.4	Q	2.8	2.7	1.4	1.1	Q	Q	2.9	2.6	2.5	23.2
Fuel Oil	10.6	9.8	8.7	8.3	9.5	11.7	12.9	11.2	8.6	9.1	9.3	11.2
Steam or Hot-Water System	5.5	5.3	5.1	4.6	4.3	5.1	7.0	6.5	5.3	5.1	5.0	14.5
For One Housing Unit	3.6	Q	1.8	2.2	2.7	3.7	4.8	5.5	1.6	1.5	2.1	20.9
For Two or More Units	1.9	3.8	3.2	2.3	1.6	1.4	2.2	1.0	3.7	3.6	2.9	17.7
Central Warm-Air Furnace	4.7	Q	3.2	3.2	4.8	6.1	5.5	4.7	2.6	3.2	3.6	16.5
Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.7	0.7	35.0
Wood	3.2	Q	2.7	3.8	2.7	2.7	4.2	3.2	3.5	4.0	3.7	16.4
Heating Stove	2.5	Q	2.4	3.6	1.8	1.9	3.4	2.0	3.3	3.6	3.2	17.8
Other	0.8	Q	Q	Q	0.9	Q	0.8	1.2	Q	Q	0.5	34.0
LPG	5.0	6.1	6.3	5.4	6.2	6.4	3.8	2.8	6.7	7.1	5.9	15.3
Central Warm-Air Furnace	3.2	Q	2.1	2.8	4.2	4.7	3.1	2.5	2.5	2.8	2.6	20.2
Room Heater	1.2	Q	3.1	1.8	1.4	1.2	Q	Q	3.1	3.1	2.4	26.0
Other	0.6	Q	Q	Q	Q	Q	Q	Q	1.1	1.2	0.9	29.7
Kerosene	1.0	Q	2.0	1.3	1.7	Q	Q	Q	2.2	2.0	1.8	24.6
Other	0.4	Q	Q	Q	0.7	Q	Q	Q	Q	Q	Q	56.1
None	0.9	Q	Q	1.1	1.1	Q	0.8	Q	1.2	1.0	0.9	23.1
Amount of Heat Provided by Main Heating Equipment												
All or Almost All	90.3	90.9	93.7	91.9	90.3	90.2	89.8	88.1	91.9	92.2	91.7	1.2
About Three-Fourths	5.6	3.8	2.9	3.1	5.1	6.6	6.0	8.0	2.9	3.2	3.9	15.5
Closer to One-Half	3.2	4.3	3.0	3.8	3.4	2.2	3.5	3.0	4.0	3.6	3.5	17.7
No Main Equipment	0.9	Q	Q	1.1	1.1	Q	0.8	Q	1.2	1.0	0.9	23.1
Age of Main Heating Equipment												
Less than 2 Years	9.3	5.5	9.0	6.5	8.2	9.5	10.8	11.4	8.7	8.1	8.0	11.8
2 to 4 Years	11.0	5.6	7.3	9.0	9.1	13.1	12.6	13.8	7.4	8.2	8.4	10.6
5 to 9 Years	18.3	12.3	12.3	15.8	18.7	18.4	20.6	21.7	12.6	13.7	14.7	7.7
10 to 19 Years	22.4	18.9	22.0	19.2	20.5	23.5	23.6	24.7	19.4	21.4	21.0	6.4
20 Years or More	22.2	25.0	22.9	25.7	24.3	23.3	19.4	19.4	21.4	21.8	23.5	6.4
Don't Know	15.8	31.7	26.0	22.7	18.0	11.3	12.2	8.2	29.3	25.8	23.5	7.7
No Main Equipment	0.9	Q	Q	1.1	1.1	Q	0.8	Q	1.2	1.0	0.9	23.1

See footnotes at end of table.

**Table 3.12a. Space Heating by Family Income,
Million U.S. Households, 1993 (Continued)**

Space Heating Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.5	1.9	1.3	1.1	0.9	1.0	0.9	0.9	1.1	0.9	0.8	
Secondary Heating Fuel and Equipment (more than one may apply)												
No	60.8	3.2	8.2	8.5	12.3	9.1	10.2	9.3	10.9	14.6	22.9	4.3
Yes	35.9	0.9	2.4	2.6	6.1	4.9	7.2	11.6	3.4	4.8	7.8	6.8
Natural Gas	4.1	Q	0.3	0.2	0.7	0.6	0.9	1.2	0.4	0.5	0.8	18.5
Fireplace	1.8	Q	Q	Q	0.3	0.3	0.4	0.8	Q	Q	0.1	23.6
Room Heater	1.0	Q	Q	Q	0.2	0.2	0.2	0.2	Q	0.2	0.2	32.7
Central Warm-Air Furnace	0.6	Q	Q	Q	Q	Q	0.2	0.2	Q	Q	Q	36.5
Other Equipment	0.9	Q	0.1	Q	0.2	Q	0.2	Q	0.2	0.2	0.4	30.8
Electricity	14.6	0.5	1.3	1.5	2.9	1.9	2.5	3.9	1.9	2.5	4.0	8.9
Portable Heater	9.8	0.4	1.0	1.1	2.2	1.3	1.5	2.3	1.4	1.9	3.1	10.3
Built-in Electric Units	4.0	Q	0.2	0.3	0.7	0.5	0.9	1.3	0.3	0.4	0.6	20.0
Other Equipment	0.8	Q	0.1	Q	0.1	Q	Q	0.2	0.2	0.3	0.3	22.9
Fuel Oil	0.4	Q	Q	Q	Q	Q	Q	0.1	Q	Q	0.1	42.2
Wood	19.0	0.2	0.5	0.7	2.5	2.5	4.2	8.4	0.8	1.2	2.2	11.5
Fireplace	15.9	0.2	0.4	0.4	1.9	2.0	3.5	7.6	0.6	0.8	1.6	13.4
Heating Stove	3.4	Q	Q	0.4	0.6	0.5	0.9	1.0	0.2	0.4	0.7	17.4
Other Equipment	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.9
LPG	1.2	Q	0.2	Q	0.2	0.2	0.2	0.3	0.2	0.3	0.4	27.4
Kerosene	2.6	Q	0.3	0.3	0.6	0.4	0.5	0.5	0.4	0.6	0.9	22.2
Other	0.4	Q	Q	Q	Q	Q	Q	0.1	Q	Q	Q	44.1

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.12b. Space Heating by Family Income, Percent of U.S. Households, 1993 (Continued)

Space Heating Characteristics	Total	1993 Family Income							Below Poverty Line		Eli-gible for Federal Assist-ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per-cent	125 Per-cent		
RSE Column Factor:	0.5	1.9	1.3	1.1	0.9	1.1	0.9	0.9	1.1	0.9	0.8	
Secondary Heating Fuel and Equipment (more than one may apply)												
No	62.9	77.8	77.1	76.3	66.7	65.0	58.7	44.5	76.1	75.3	74.5	2.6
Yes	37.1	22.2	22.9	23.7	33.3	35.0	41.3	55.5	23.9	24.7	25.5	6.0
Natural Gas	4.2	Q	3.2	2.1	3.7	4.2	5.4	5.7	2.8	2.6	2.6	18.3
Fireplace	1.9	Q	Q	Q	1.6	1.9	2.2	3.8	Q	Q	0.5	23.2
Room Heater	1.0	Q	Q	Q	0.8	1.4	1.1	0.8	Q	1.0	0.8	32.6
Central Warm-Air Furnace	0.6	Q	Q	Q	Q	Q	1.2	0.8	Q	Q	Q	36.4
Other Equipment	0.9	Q	1.3	Q	1.2	Q	1.1	Q	1.3	1.1	1.2	30.6
Electricity	15.1	13.2	11.9	13.5	16.0	13.9	14.3	18.7	13.1	13.0	13.2	8.4
Portable Heater	10.1	10.0	9.3	9.5	12.0	9.4	8.6	11.1	9.6	9.6	10.0	9.8
Built-in Electric Units	4.1	Q	1.7	2.7	4.0	3.7	5.2	6.1	2.4	2.3	2.1	19.9
Other Equipment	0.8	Q	1.0	Q	0.7	Q	Q	1.0	1.6	1.3	1.1	23.2
Fuel Oil	0.4	Q	Q	Q	Q	Q	Q	0.5	Q	Q	0.4	41.4
Wood	19.7	5.2	4.8	6.4	13.5	17.5	24.3	40.1	5.4	6.2	7.3	10.9
Fireplace	16.5	3.9	3.8	3.4	10.4	14.4	20.0	36.1	4.2	4.1	5.3	12.8
Heating Stove	3.6	Q	Q	3.2	3.1	3.8	4.9	4.6	1.3	2.2	2.1	17.3
Other Equipment	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.7
LPG	1.3	Q	1.6	Q	1.1	1.8	1.2	1.4	1.6	1.7	1.3	27.2
Kerosene	2.7	Q	2.6	2.7	3.3	2.6	2.7	2.4	2.9	3.1	3.0	22.1
Other	0.4	Q	Q	Q	Q	Q	Q	0.6	Q	Q	Q	43.5

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.13. Total Air-Conditioning in U.S. Households, 1993

Housing Unit and Household Characteristics	Total Households (millions)	Cooled Floorspace (square feet per household)	Number of Cooling Degree-Days per Household		Air-Conditioner Use in Summer 1993 ¹ (percent of households)					RSE Row Factors
			1993	Normal	Total	Not at All	Only a Few Times	Quite a Bit	All Summer	
RSE Column Factor:	0.8	0.6	0.6	0.6		3.5	0.9	1.4	1.2	
Total	66.1	1,416	1,536	1,438	100.0	3.4	38.3	22.2	36.1	2.7
Type of Air-Conditioning²										
Central Air-Conditioning	42.1	1,756	1,679	1,587	100.0	2.4	30.5	21.2	45.9	3.4
Electric	41.9	1,758	1,682	1,589	100.0	2.3	30.4	21.3	45.9	3.4
Without a Heat Pump	30.1	1,777	1,551	1,480	100.0	2.4	32.1	22.0	43.4	3.8
With a Heat Pump	11.9	1,710	2,015	1,867	100.0	2.2	26.1	19.4	52.3	6.0
Gas ³	0.1	1,151	848	789	100.0	Q	Q	Q	Q	44.1
Room Air-Conditioning	25.7	877	1,326	1,219	100.0	5.5	50.1	24.2	20.3	4.6
1 Unit	17.3	741	1,282	1,187	100.0	7.3	51.9	21.6	19.2	4.7
2 Units	6.3	1,053	1,385	1,261	100.0	Q	47.7	28.8	22.2	9.3
3 or More Units	2.2	1,469	1,509	1,355	100.0	Q	42.8	31.4	23.1	12.0
Census Region and Division										
Northeast	11.3	1,220	931	726	100.0	3.3	54.5	28.3	13.9	5.3
New England	2.3	1,116	755	543	100.0	5.5	55.9	23.3	15.3	8.8
Middle Atlantic	9.0	1,246	975	771	100.0	2.7	54.2	29.5	13.6	6.1
Midwest	17.1	1,607	816	834	100.0	4.2	50.4	23.9	21.5	5.4
East North Central	11.2	1,613	794	768	100.0	4.0	50.8	24.3	20.9	6.5
West North Central	5.9	1,596	858	959	100.0	4.5	49.7	23.0	22.7	8.6
South	29.9	1,431	2,211	2,064	100.0	1.7	20.8	19.7	57.7	3.7
South Atlantic	15.2	1,433	2,225	2,003	100.0	1.7	21.7	20.6	56.0	5.2
East South Central	5.3	1,536	1,772	1,654	100.0	Q	21.3	22.1	55.2	6.8
West South Central	9.4	1,369	2,437	2,397	100.0	1.9	19.2	16.9	62.0	6.7
West	7.8	1,224	1,408	1,399	100.0	8.4	55.1	19.4	17.2	8.3
Mountain	2.2	1,271	2,323	2,259	100.0	4.6	43.3	20.8	31.3	14.4
Pacific	5.6	1,205	1,047	1,059	100.0	9.9	59.7	18.8	11.6	10.8
Urban Status										
Urban	52.1	1,413	1,580	1,463	100.0	3.7	38.2	22.7	35.3	3.1
Central City	19.7	1,142	1,750	1,625	100.0	4.1	37.1	23.0	35.8	4.6
Suburban	32.4	1,577	1,477	1,364	100.0	3.5	38.9	22.6	35.0	3.9
Rural	14.0	1,428	1,372	1,348	100.0	2.2	38.7	20.3	38.8	5.4
Cooling Degree-Days (CDD)-1993										
2,000 or More	17.3	1,359	2,845	2,709	100.0	1.7	19.9	16.7	61.7	5.6
1,000 to 1,999	25.2	1,438	1,454	1,314	100.0	2.9	31.6	26.9	38.6	5.1
500 to 999	18.2	1,402	772	696	100.0	4.3	54.7	23.7	17.4	5.6
Fewer than 500	5.5	1,539	334	479	100.0	8.3	72.2	13.2	6.3	8.2
Year of Construction										
1939 or Before	10.3	1,201	1,137	1,066	100.0	4.2	53.7	22.6	19.5	6.6
1940 to 1949	3.9	1,204	1,400	1,281	100.0	Q	41.7	26.1	29.5	9.1
1950 to 1959	8.7	1,376	1,519	1,402	100.0	4.3	40.5	23.1	32.1	6.8
1960 to 1969	11.0	1,409	1,491	1,381	100.0	3.6	39.5	20.9	36.1	6.5
1970 to 1979	12.8	1,379	1,624	1,544	100.0	3.8	35.7	22.0	38.4	5.9
1980 to 1984	6.9	1,433	1,853	1,747	100.0	2.3	31.5	18.8	47.5	6.9
1985 to 1987	4.7	1,622	1,824	1,697	100.0	Q	27.3	28.1	43.8	9.4
1988 to 1990	3.9	1,722	1,554	1,459	100.0	3.2	33.1	19.7	44.1	8.3
1991 to 1993 ⁴	3.9	1,835	1,677	1,593	100.0	3.7	24.9	21.3	50.2	9.8
Number of Rooms Air-Conditioned in Summer 1993										
None	1.8	--	1,182	1,134	100.0	94.4	--	--	--	6.5
One or Two	11.3	432	1,288	1,161	100.0	3.1	59.7	21.3	15.9	4.8
Three	7.5	769	1,521	1,402	100.0	Q	47.4	25.1	26.6	5.6
Four	9.7	1,066	1,647	1,543	100.0	Q	41.3	25.3	32.8	6.1
Five or More	35.8	2,015	1,607	1,522	100.0	Q	30.5	22.1	47.1	3.4

See footnotes at end of table.

Table 3.13. Total Air-Conditioning in U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households (millions)	Cooled Floorspace (square feet per household)	Number of Cooling Degree-Days per Household		Air-Conditioner Use in Summer 1993 ¹ (percent of households)					RSE Row Factors
			1993	Normal	Total	Not at All	Only a Few Times	Quite a Bit	All Summer	
RSE Column Factor:	0.8	0.6	0.6	0.6		3.5	0.9	1.4	1.2	
Type and Ownership of Housing Unit										
Single-Family Detached	41.2	1,725	1,508	1,428	100.0	3.1	36.7	21.0	39.2	3.4
Owned	36.6	1,794	1,478	1,398	100.0	3.0	36.6	21.1	39.2	3.5
Rented	4.6	1,179	1,748	1,667	100.0	3.8	37.2	19.8	39.2	8.6
Single-Family Attached	5.3	1,327	1,600	1,438	100.0	3.7	35.0	24.4	36.9	9.0
Owned	3.5	1,473	1,585	1,428	100.0	Q	37.0	24.0	34.6	9.9
Rented	1.7	1,030	1,629	1,460	100.0	Q	30.8	25.0	41.6	13.3
Multifamily (2 to 4 units)	4.1	800	1,496	1,358	100.0	4.2	43.4	26.5	25.8	9.6
Owned	0.9	1,138	1,390	1,254	100.0	Q	47.7	20.6	25.0	19.3
Rented	3.1	698	1,528	1,389	100.0	Q	42.2	28.3	26.0	10.7
Multifamily (5 or more units)	11.6	760	1,612	1,482	100.0	3.6	45.4	24.0	27.0	7.3
Owned	1.3	1,067	1,656	1,559	100.0	Q	48.2	19.1	29.2	27.1
Rented	10.3	720	1,606	1,472	100.0	3.6	45.1	24.6	26.7	6.7
Mobile Home	3.9	860	1,567	1,501	100.0	4.8	32.9	22.6	39.7	9.3
Owned	3.2	912	1,558	1,505	100.0	3.5	31.7	23.8	41.1	10.2
Rented	0.7	611	1,608	1,486	100.0	Q	38.3	17.1	33.4	16.3
1993 Family Income Category										
Less than \$5,000	2.5	742	1,740	1,596	100.0	Q	33.3	21.8	40.1	9.5
\$5,000 to \$9,999	6.4	813	1,598	1,504	100.0	5.1	44.8	20.8	29.3	7.2
\$10,000 to \$14,999	6.7	957	1,593	1,490	100.0	5.8	45.6	18.6	30.0	6.8
\$15,000 to \$19,999	6.1	1,174	1,615	1,517	100.0	2.5	42.7	21.9	32.9	8.0
\$20,000 to \$24,999	5.7	1,188	1,525	1,450	100.0	2.7	40.4	22.1	34.8	7.1
\$25,000 to \$34,999	10.0	1,414	1,520	1,429	100.0	3.8	39.4	20.6	36.2	5.8
\$35,000 to \$49,999	12.8	1,564	1,519	1,430	100.0	2.8	36.2	23.1	37.9	5.2
\$50,000 to \$74,999	9.3	1,836	1,464	1,366	100.0	2.7	31.8	23.0	42.5	5.4
\$75,000 or More	6.6	2,265	1,436	1,312	100.0	Q	32.0	27.6	38.5	7.2
Below Poverty Line										
100 Percent	8.2	787	1,707	1,599	100.0	5.2	42.6	20.7	31.5	6.0
125 Percent	11.5	833	1,639	1,538	100.0	5.2	43.7	21.2	29.8	5.2
Eligible for Federal Assistance⁵	18.5	926	1,607	1,499	100.0	4.7	44.3	20.1	30.9	4.6

¹ "Air-Conditioner Use" refers to the central air-conditioner or (if the household has only room air-conditioners) to the most-used room air-conditioner.

² An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

³ Gas includes LPG and natural gas.

⁴ Does not include all new construction for 1993.

⁵ Below 150 percent of poverty line or 60 percent of median State income.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.14. Central Air-Conditioning in U.S. Households, 1993

Housing Unit and Household Characteristics	Total Households (millions)	Cooled Floorspace (square feet per household)	Number of Cooling Degree-Days per Household		Air-Conditioner Use in Summer 1993 ¹ (percent of households)					RSE Row Factors
			1993	Normal	Total	Not at All	Only a Few Times	Quite a Bit	All Summer	
RSE Column Factor:	1.0	0.5	0.6	0.6		4.1	1.1	1.5	1.0	
Total	42.1	1,756	1,679	1,587	100.0	2.4	30.5	21.2	45.9	3.4
Type of Central Air-Conditioning²										
Electric	41.9	1,758	1,682	1,589	100.0	2.3	30.4	21.3	45.9	3.4
Without a Heat Pump	30.1	1,777	1,551	1,480	100.0	2.4	32.1	22.0	43.4	3.8
With a Heat Pump	11.9	1,710	2,015	1,867	100.0	2.2	26.1	19.4	52.3	6.0
Gas ³	0.1	1,151	848	789	100.0	Q	Q	Q	Q	46.3
Census Region and Division										
Northeast	3.9	2,059	899	690	100.0	Q	43.1	30.9	23.5	7.8
New England	0.6	2,210	736	525	100.0	Q	38.4	32.2	27.9	15.5
Middle Atlantic	3.3	2,030	929	721	100.0	Q	43.9	30.6	22.7	8.5
Midwest	10.8	2,017	845	867	100.0	2.0	45.1	25.0	27.9	7.3
East North Central	6.9	2,027	811	794	100.0	Q	45.0	26.0	26.8	7.7
West North Central	3.9	1,997	905	997	100.0	Q	45.2	23.3	29.8	12.6
South	21.8	1,644	2,259	2,115	100.0	1.6	16.4	17.3	64.7	4.6
South Atlantic	11.3	1,658	2,284	2,072	100.0	1.7	17.7	19.4	61.2	6.4
East South Central	3.5	1,815	1,793	1,670	100.0	Q	15.2	18.7	64.9	9.2
West South Central	7.0	1,537	2,450	2,405	100.0	Q	14.9	13.3	70.2	7.5
West	5.5	1,476	1,573	1,544	100.0	6.4	48.8	22.3	22.5	9.3
Mountain	1.7	1,474	2,737	2,620	100.0	Q	37.5	22.1	38.5	13.2
Pacific	3.8	1,478	1,048	1,059	100.0	8.4	53.9	22.4	15.3	12.1
Urban Status										
Urban	34.5	1,740	1,724	1,617	100.0	2.5	30.6	21.9	45.0	3.9
Central City	11.7	1,455	1,975	1,865	100.0	2.1	30.2	19.0	48.6	6.5
Suburban	22.8	1,886	1,595	1,490	100.0	2.7	30.8	23.3	43.2	4.6
Rural	7.6	1,830	1,478	1,451	100.0	1.9	30.2	18.3	49.6	6.1
Cooling Degree-Days (CDD)-1993										
2,000 or More	13.6	1,524	2,854	2,724	100.0	1.1	16.5	14.2	68.1	5.7
1,000 to 1,999	16.5	1,752	1,456	1,324	100.0	2.4	26.8	24.7	46.2	5.7
500 to 999	8.7	2,019	762	713	100.0	2.4	45.5	27.5	24.6	6.8
Fewer than 500	3.2	2,049	336	490	100.0	7.5	68.1	16.6	7.8	9.4
Year of Construction										
1939 or Before	2.6	2,131	1,197	1,165	100.0	Q	40.1	17.3	39.9	11.6
1940 to 1949	1.5	1,771	1,287	1,195	100.0	Q	40.6	25.7	33.7	14.5
1950 to 1959	4.8	1,826	1,571	1,469	100.0	Q	36.8	19.8	39.7	8.4
1960 to 1969	6.9	1,807	1,566	1,482	100.0	Q	32.5	20.0	45.6	7.9
1970 to 1979	9.1	1,629	1,789	1,701	100.0	3.1	29.3	22.3	45.3	6.8
1980 to 1984	5.8	1,537	1,945	1,839	100.0	Q	27.3	18.4	51.8	7.7
1985 to 1987	4.2	1,723	1,866	1,738	100.0	Q	24.0	27.8	47.9	10.1
1988 to 1990	3.5	1,842	1,614	1,522	100.0	2.8	30.2	20.5	46.6	8.7
1991 to 1993 ⁴	3.7	1,921	1,692	1,604	100.0	2.3	23.6	21.4	52.7	10.2
Number of Rooms Air-Conditioned in Summer 1993										
None	0.9	--	1,252	1,208	100.0	100.0	--	--	--	19.2
One or Two	0.8	586	2,106	1,969	100.0	Q	44.2	Q	41.6	16.4
Three	3.3	747	1,864	1,737	100.0	Q	43.5	22.0	34.5	8.7
Four	6.2	1,063	1,823	1,708	100.0	Q	36.5	25.2	38.0	7.4
Five or More	30.7	2,078	1,634	1,549	100.0	Q	28.5	21.2	50.2	3.7
Central Air-Conditioner Age (excludes systems for more than one housing unit)										
Less than 2 Years	5.5	1,859	1,691	1,602	100.0	3.1	25.5	22.0	49.4	7.5
2 to 4 Years	6.4	1,929	1,608	1,514	100.0	Q	28.6	19.7	50.8	6.8
5 to 9 Years	10.6	1,904	1,694	1,595	100.0	1.5	27.2	23.6	47.6	6.4
10 to 19 Years	10.2	1,822	1,677	1,595	100.0	1.9	30.6	21.7	45.8	6.1
20 Years or More	3.6	1,720	1,446	1,382	100.0	9.8	38.3	15.8	36.1	11.0
Don't Know	4.8	1,101	1,943	1,830	100.0	Q	38.1	20.0	40.5	8.1

See footnotes at end of table.

Table 3.14. Central Air-Conditioning in U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households (millions)	Cooled Floorspace (square feet per household)	Number of Cooling Degree-Days per Household		Air-Conditioner Use in Summer 1993 ¹ (percent of households)					RSE Row Factors
			1993	Normal	Total	Not at All	Only a Few Times	Quite a Bit	All Summer	
RSE Column Factor:	1.0	0.5	0.6	0.6		4.1	1.1	1.5	1.0	
Type and Ownership of Housing Unit										
Single-Family Detached	27.3	2,103	1,604	1,526	100.0	2.3	28.3	20.4	48.9	4.2
Owned	25.0	2,144	1,583	1,504	100.0	2.3	28.5	20.7	48.6	4.3
Rented	2.3	1,654	1,829	1,770	100.0	Q	26.9	17.2	52.9	12.1
Single-Family Attached	3.8	1,611	1,704	1,573	100.0	Q	27.2	24.4	46.6	10.8
Owned	2.6	1,784	1,713	1,582	100.0	Q	28.2	24.0	45.6	11.9
Rented	1.2	1,242	1,685	1,553	100.0	Q	25.1	25.3	48.8	16.9
Multifamily (2 to 4 units)	1.4	1,050	1,871	1,774	100.0	Q	24.8	25.9	45.3	14.2
Owned	0.3	1,554	2,002	1,878	100.0	Q	Q	Q	58.1	33.0
Rented	1.1	906	1,834	1,744	100.0	Q	27.0	26.6	41.6	15.8
Multifamily (5 or more units)	7.2	898	1,903	1,760	100.0	1.9	43.0	21.5	33.6	9.1
Owned	0.8	1,223	2,068	1,941	100.0	Q	41.8	Q	43.1	31.6
Rented	6.3	854	1,881	1,735	100.0	2.2	43.2	22.4	32.3	8.7
Mobile Home	2.4	1,016	1,725	1,679	100.0	Q	26.0	21.9	47.3	12.5
Owned	2.1	1,050	1,717	1,673	100.0	Q	25.8	22.7	47.9	12.7
Rented	0.3	730	1,785	1,731	100.0	Q	Q	Q	Q	28.0
1993 Family Income Category										
Less than \$5,000	1.1	967	1,949	1,806	100.0	Q	35.6	21.1	39.2	15.1
\$5,000 to \$9,999	2.8	1,075	1,836	1,735	100.0	Q	40.0	17.8	39.8	11.6
\$10,000 to \$14,999	3.3	1,221	1,748	1,643	100.0	6.1	38.8	17.7	37.4	9.6
\$15,000 to \$19,999	3.4	1,418	1,759	1,675	100.0	Q	33.9	21.1	42.8	8.6
\$20,000 to \$24,999	3.5	1,447	1,664	1,598	100.0	Q	37.3	17.7	42.7	8.7
\$25,000 to \$34,999	7.0	1,647	1,684	1,593	100.0	3.2	30.8	19.8	46.2	6.5
\$35,000 to \$49,999	8.6	1,845	1,710	1,634	100.0	2.2	26.5	21.8	49.6	5.8
\$50,000 to \$74,999	7.2	2,099	1,600	1,506	100.0	Q	24.9	23.4	50.6	6.3
\$75,000 or More	5.3	2,576	1,508	1,388	100.0	Q	26.5	25.7	46.8	8.5
Below Poverty Line										
100 Percent	3.3	1,047	1,898	1,794	100.0	5.1	39.4	20.7	34.8	9.1
125 Percent	4.8	1,113	1,787	1,686	100.0	4.4	42.1	19.6	33.8	8.0
Eligible for Federal Assistance⁵	8.5	1,211	1,793	1,684	100.0	4.3	39.2	18.0	38.4	7.1
Pays for Electricity for Central Air-Conditioning										
Yes	40.6	1,785	1,679	1,587	100.0	2.4	30.0	21.2	46.4	3.5
No	1.3	947	1,780	1,652	100.0	Q	43.3	24.6	32.1	19.6

¹ "Air-Conditioner Use" refers to the central air-conditioner or (if the household has only room air-conditioners) to the most-used room air-conditioner.

² An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

³ Gas includes LPG and natural gas.

⁴ Does not include all new construction for 1993.

⁵ Below 150 percent of poverty line or 60 percent of median State income.

-- = 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 1993 Residential Energy Consumption Survey.

(For specific titles of forms, see Appendix D.)

Table 3.15. Room Air-Conditioning in U.S. Households, 1993

Housing Unit and Household Characteristics	Total Households (millions)	Cooled Floorspace (square feet per household)	Number of Cooling Degree-Days per Household		Air-Conditioner Use in Summer 1993 ¹ (percent of households)					RSE Row Factors
			1993	Normal	Total	Not at All	Only a Few Times	Quite a Bit	All Summer	
RSE Column Factor:	0.9	0.7	0.6	0.6		2.6	0.8	1.4	1.5	
Total	25.7	877	1,326	1,219	100.0	5.9	52.1	23.5	18.5	4.5
Number of Room Air-Conditioners										
1 Unit	17.3	741	1,282	1,187	100.0	7.8	54.6	20.9	16.7	4.7
2 Units	6.3	1,053	1,385	1,261	100.0	Q	48.5	28.3	21.4	9.0
3 or More Units	2.2	1,469	1,509	1,355	100.0	Q	42.2	31.2	24.5	11.4
Census Region and Division										
Northeast	7.6	803	953	748	100.0	3.5	60.1	27.2	9.1	6.5
New England	1.7	705	763	550	100.0	6.9	62.3	20.3	10.5	8.4
Middle Atlantic	5.9	830	1,006	803	100.0	Q	59.5	29.1	8.8	6.9
Midwest	6.6	963	777	786	100.0	7.8	59.3	22.0	10.9	7.0
East North Central	4.5	996	773	733	100.0	6.7	60.4	21.3	11.6	9.1
West North Central	2.1	891	783	898	100.0	10.3	57.0	23.5	9.2	10.6
South	9.0	926	2,123	1,971	100.0	3.7	34.8	25.2	36.3	6.9
South Atlantic	4.2	834	2,131	1,880	100.0	Q	35.2	23.2	37.9	10.4
East South Central	2.1	1,025	1,747	1,639	100.0	Q	35.7	27.5	34.8	8.4
West South Central	2.7	994	2,399	2,371	100.0	Q	33.3	26.8	35.0	12.5
West	2.6	711	1,070	1,104	100.0	15.2	70.2	10.9	Q	14.0
Mountain	0.6	719	1,192	1,282	100.0	Q	62.3	Q	Q	27.8
Pacific	2.0	709	1,034	1,052	100.0	14.2	72.5	10.0	Q	17.1
Urban Status										
Urban	19.0	841	1,345	1,207	100.0	6.7	52.9	24.0	16.3	5.5
Central City	8.3	707	1,440	1,294	100.0	7.0	46.8	28.7	17.4	7.1
Suburban	10.7	945	1,272	1,141	100.0	6.5	57.6	20.4	15.5	7.0
Rural	6.8	980	1,272	1,251	100.0	3.4	49.9	22.1	24.6	7.8
Cooling Degree-Days (CDD)--1993										
2,000 or More	4.2	861	2,861	2,704	100.0	5.8	36.1	24.5	33.6	9.7
1,000 to 1,999	9.5	924	1,459	1,304	100.0	4.5	41.2	30.5	23.8	6.8
500 to 999	9.7	842	780	681	100.0	6.1	63.2	20.2	10.4	6.5
Fewer than 500	2.4	865	330	468	100.0	10.2	78.0	7.9	3.9	11.2
Year of Construction										
1939 or Before	7.9	903	1,116	1,032	100.0	4.8	58.3	24.6	12.3	7.3
1940 to 1949	2.5	887	1,460	1,326	100.0	Q	43.5	26.0	26.4	11.1
1950 to 1959	4.5	964	1,551	1,410	100.0	6.4	46.1	26.7	20.9	10.0
1960 to 1969	4.5	831	1,401	1,251	100.0	7.0	51.9	21.7	19.5	10.3
1970 to 1979	4.0	813	1,277	1,221	100.0	7.0	51.1	20.5	21.5	9.4
1980 to 1984	1.1	864	1,353	1,255	100.0	Q	55.9	19.8	21.8	15.6
1985 to 1987	0.6	907	1,640	1,534	100.0	Q	54.4	27.3	14.7	20.9
1988 to 1990	0.4	731	1,071	953	100.0	Q	59.8	Q	Q	19.7
1991 to 1993 ²	0.3	559	1,496	1,474	100.0	Q	39.5	Q	Q	31.8
Number of Rooms Air-Conditioned in Summer 1993										
None	1.0	--	1,192	1,135	100.0	86.0	--	--	--	10.7
One or Two	10.5	420	1,230	1,104	100.0	3.1	61.0	21.9	14.0	4.8
Three	4.3	789	1,269	1,156	100.0	Q	50.3	27.9	19.7	7.3
Four	3.6	1,070	1,337	1,254	100.0	Q	50.2	25.7	22.8	8.7
Five or More	6.3	1,727	1,541	1,446	100.0	3.5	45.5	25.5	25.5	8.3
Age of Most-Used Room Air-Conditioner										
Less than 2 Years	3.0	820	1,585	1,456	100.0	5.1	49.8	18.9	26.1	10.0
2 to 4 Years	4.8	880	1,356	1,224	100.0	4.1	46.4	27.8	21.7	8.5
5 to 9 Years	7.6	944	1,342	1,229	100.0	3.4	51.1	26.0	19.6	7.2
10 to 19 Years	5.4	893	1,193	1,103	100.0	6.1	55.4	21.5	17.0	7.7
20 Years or More	2.1	1,006	1,166	1,103	100.0	13.1	57.8	22.1	7.0	14.3
Don't Know	2.9	641	1,327	1,236	100.0	10.3	56.3	19.9	13.5	9.5

See footnotes at end of table.

Table 3.15. Room Air-Conditioning in U.S. Households, 1993 (Continued)

Housing Unit and Household Characteristics	Total Households (millions)	Cooled Floorspace (square feet per household)	Number of Cooling Degree-Days per Household		Air-Conditioner Use in Summer 1993 ¹ (percent of households)					RSE Row Factors
			1993	Normal	Total	Not at All	Only a Few Times	Quite a Bit	All Summer	
RSE Column Factor:	0.9	0.7	0.6	0.6		2.6	0.8	1.4	1.5	
Type and Ownership of Housing Unit										
Single-Family Detached	15.3	1,068	1,376	1,287	100.0	5.4	53.4	21.7	19.5	5.4
Owned	12.9	1,131	1,322	1,236	100.0	5.4	54.4	21.7	18.5	5.7
Rented	2.4	726	1,667	1,565	100.0	5.3	47.9	21.7	25.1	11.6
Single-Family Attached	1.6	592	1,364	1,134	100.0	Q	54.3	24.5	10.9	14.3
Owned	1.1	616	1,271	1,052	100.0	Q	60.0	24.8	Q	15.0
Rented	0.5	547	1,547	1,294	100.0	Q	43.3	23.9	24.9	20.0
Multifamily (2 to 4 units)	2.7	677	1,305	1,147	100.0	Q	52.5	27.2	15.9	11.5
Owned	0.6	941	1,101	960	100.0	Q	62.0	19.3	Q	19.1
Rented	2.1	595	1,368	1,205	100.0	Q	49.6	29.7	17.9	11.9
Multifamily (5 or more units)	4.5	551	1,133	1,031	100.0	6.5	50.0	27.5	16.1	10.9
Owned	0.5	896	863	849	100.0	Q	63.8	Q	Q	34.8
Rented	4.0	503	1,170	1,056	100.0	6.2	48.1	28.1	17.7	11.0
Mobile Home	1.6	601	1,394	1,302	100.0	Q	43.3	23.2	27.1	11.0
Owned	1.2	622	1,347	1,280	100.0	Q	43.4	25.2	25.7	13.8
Rented	0.4	546	1,517	1,360	100.0	Q	43.0	Q	Q	17.3
1993 Family Income Category										
Less than \$5,000	1.4	561	1,581	1,436	100.0	Q	31.9	22.2	40.6	11.2
\$5,000 to \$9,999	3.7	630	1,432	1,343	100.0	7.2	48.9	23.0	20.9	8.4
\$10,000 to \$14,999	3.5	721	1,443	1,343	100.0	6.6	51.9	19.4	22.2	8.8
\$15,000 to \$19,999	2.8	885	1,453	1,336	100.0	Q	52.4	23.5	21.0	12.6
\$20,000 to \$24,999	2.2	783	1,320	1,231	100.0	Q	45.7	28.7	21.2	10.0
\$25,000 to \$34,999	3.5	1,016	1,273	1,182	100.0	6.0	59.8	20.0	14.3	9.4
\$35,000 to \$49,999	4.5	1,014	1,189	1,073	100.0	4.8	56.2	26.3	12.6	9.4
\$50,000 to \$74,999	2.4	1,096	1,147	1,036	100.0	8.5	55.8	20.0	15.7	10.3
\$75,000 or More	1.5	1,174	1,160	1,014	100.0	Q	52.1	33.7	Q	12.1
Below Poverty Line										
100 Percent	5.0	621	1,582	1,472	100.0	5.7	45.2	20.3	28.8	7.3
125 Percent	7.0	652	1,541	1,441	100.0	6.3	45.2	22.0	26.4	6.2
Eligible for Federal Assistance³	10.3	701	1,458	1,351	100.0	5.3	48.8	21.9	24.0	5.5
Pays for Electricity for Air-Conditioning										
Yes	24.2	904	1,318	1,216	100.0	6.0	53.0	23.1	18.0	4.7
No	1.5	468	1,454	1,264	100.0	Q	38.1	30.9	26.7	15.8

¹ "Air-Conditioner Use" refers to the central air-conditioner or (if the household has only room air-conditioners) to the most-used room air-conditioner.

² Does not include all new construction for 1993.

³ Below 150 percent of poverty line or 60 percent of median State income.

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.16a. Appliances by Census Region and Climate Zone,
Million U.S. Households, 1993**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	6.7
Air-Conditioner	66.1	11.3	17.1	29.9	7.8	4.4	16.1	16.4	10.8	18.5	5.8
Central ¹	42.1	3.9	10.8	21.8	5.5	2.4	8.9	9.2	7.1	14.5	8.7
Electric	41.9	3.9	10.7	21.8	5.5	2.4	8.8	9.2	7.1	14.5	8.7
Without a Heat Pump	30.1	3.0	9.8	13.9	3.5	2.3	7.6	6.2	4.4	9.7	9.8
With a Heat Pump	11.9	1.0	1.0	7.9	2.0	Q	1.3	3.0	2.6	4.8	14.1
Gas ²	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	91.1
Room ¹	25.7	7.6	6.6	9.0	2.6	2.1	7.3	7.6	4.1	4.6	9.8
1 Unit	17.3	4.6	4.7	5.7	2.3	1.7	5.1	4.4	3.2	3.0	10.2
2 Units	6.3	2.3	1.6	2.2	0.2	0.4	1.9	2.3	0.7	1.1	17.2
3 or More Units	2.2	0.8	0.4	1.0	Q	Q	0.4	1.0	0.2	0.5	19.8
Clothes Washer	74.5	14.4	18.4	27.0	14.7	7.3	20.5	17.0	13.2	16.4	4.8
Clothes Dryer	68.8	12.5	18.0	24.6	13.6	6.9	19.6	15.5	11.7	15.1	4.9
Electric	54.7	9.0	13.2	22.5	10.0	5.7	14.4	12.7	9.0	12.8	6.6
Natural Gas	13.4	3.4	4.5	1.9	3.6	1.0	5.0	2.6	2.7	2.1	11.5
LPG	0.7	0.2	0.3	0.2	Q	0.2	0.1	0.2	Q	Q	37.3
Dishwasher	43.7	8.1	9.4	15.7	10.5	3.6	11.4	10.5	7.8	10.5	5.5
Fans	88.4	17.5	22.1	31.2	17.6	7.9	24.9	19.9	15.5	20.1	5.6
Ceiling	51.8	8.6	13.2	22.1	8.0	3.9	13.6	11.1	8.6	14.6	5.9
1	22.3	4.7	6.5	6.6	4.4	2.3	7.3	4.8	3.7	4.1	7.9
2	12.0	2.1	3.4	4.7	1.7	0.9	3.2	3.0	2.1	2.8	9.8
3 or more	17.6	1.8	3.3	10.7	1.9	0.7	3.1	3.4	2.8	7.7	10.2
Exhaust (attic)	9.0	2.2	2.0	3.4	1.4	0.3	2.4	2.8	1.4	2.1	13.2
Exhaust (other)	55.8	11.0	14.1	19.7	11.0	5.1	16.3	13.0	8.9	12.5	5.7
Portable	50.0	10.4	13.4	14.9	11.3	5.1	15.0	10.4	9.3	10.2	5.4
Whole-House	4.1	0.8	1.0	1.6	0.7	Q	1.2	1.0	0.6	1.1	15.2
Window	12.9	4.1	4.4	3.3	1.2	1.3	5.3	3.6	1.5	1.3	11.1
Freezer	33.4	5.0	10.2	12.5	5.7	4.6	9.2	7.0	5.6	6.9	8.0
1	29.5	4.6	9.3	10.5	5.1	4.0	8.5	6.0	4.9	6.0	7.7
2 or more	3.8	0.4	0.9	2.0	0.6	0.6	0.7	1.0	0.7	0.9	19.0
Defrost Method											
Frost-Free	11.2	1.7	2.6	4.9	2.0	1.1	2.5	2.9	2.2	2.5	10.5
Manual	22.1	3.3	7.6	7.5	3.8	3.5	6.7	4.2	3.4	4.4	10.1
Type											
Upright	16.9	3.1	4.4	5.6	3.8	2.0	4.9	3.6	2.7	3.6	8.8
Chest	16.5	1.9	5.8	6.9	1.9	2.5	4.3	3.4	2.9	3.3	12.2
Age											
Less than 2 Years	2.1	0.4	0.7	0.7	0.3	0.2	0.8	0.4	0.3	0.4	20.4
2 to 4 Years	3.4	0.5	1.1	1.3	0.5	0.6	0.9	0.7	0.5	0.8	13.7
5 to 9 Years	6.6	0.8	1.6	3.1	1.1	0.9	1.6	1.1	1.5	1.5	13.0
10 to 19 Years	12.6	1.9	3.8	4.8	2.2	1.6	3.6	3.0	1.8	2.7	9.9
20 Years or More	7.7	1.3	2.8	2.2	1.5	1.3	2.3	1.6	1.2	1.3	13.0
Don't Know	0.9	Q	0.3	0.4	0.2	Q	0.2	0.2	0.2	0.2	26.7

See footnotes at end of table.

**Table 3.16b. Appliances by Census Region and Climate Zone,
Percent of U.S. Households, 1993**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Air-Conditioner	68.4	58.0	73.5	89.2	38.4	50.9	60.6	72.9	60.7	87.1	3.6
Central ¹	43.5	20.2	46.3	65.1	27.2	27.8	33.6	40.8	39.8	68.5	6.7
Electric	43.4	20.1	46.0	65.1	27.0	27.5	33.3	40.8	39.7	68.4	6.7
Without a Heat Pump	31.1	15.2	41.9	41.4	17.1	26.3	28.6	27.4	24.8	45.6	7.7
With a Heat Pump	12.3	4.9	4.1	23.7	9.9	Q	4.8	13.3	14.9	22.9	13.1
Gas ²	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	76.2
Room ¹	26.6	39.0	28.4	26.7	12.7	23.8	27.7	33.9	23.1	21.8	7.7
1 Unit	17.9	23.5	20.1	17.1	11.5	19.1	19.1	19.4	18.0	14.3	8.0
2 Units	6.5	11.6	6.7	6.7	1.0	4.1	7.0	10.0	3.9	5.2	15.5
3 or More Units	2.2	3.9	1.6	2.9	Q	Q	1.6	4.4	1.1	2.3	18.9
Clothes Washer	77.1	74.0	79.0	80.5	72.1	84.1	77.4	75.7	74.2	77.5	2.1
Clothes Dryer	71.2	64.4	77.2	73.6	66.8	79.2	73.8	69.1	66.0	71.1	2.4
Electric	56.6	46.2	56.6	67.2	48.9	65.1	54.3	56.7	50.7	60.6	3.9
Natural Gas	13.9	17.4	19.4	5.7	17.7	12.0	19.0	11.5	15.0	10.1	11.2
LPG	0.7	0.8	1.1	0.7	Q	2.2	0.5	1.0	Q	Q	36.3
Dishwasher	45.2	41.5	40.4	46.9	51.6	41.0	43.0	46.6	43.8	49.5	4.0
Fans	91.5	89.9	94.8	93.2	86.5	91.0	94.2	88.8	87.2	94.8	1.3
Ceiling	53.6	44.2	56.6	65.9	39.1	44.7	51.4	49.6	48.5	68.7	3.6
1	23.0	24.3	28.0	19.8	21.5	26.4	27.7	21.2	21.0	19.5	5.8
2	12.4	10.8	14.6	14.1	8.5	10.4	12.1	13.5	11.7	13.0	7.5
3 or more	18.2	9.1	14.0	31.9	9.1	7.9	11.6	14.9	15.8	36.2	8.4
Exhaust (attic)	9.3	11.5	8.6	10.2	6.8	3.3	9.1	12.6	8.0	9.7	11.7
Exhaust (other)	57.8	56.6	60.5	58.8	54.1	59.1	61.7	57.8	49.8	58.9	3.3
Portable	51.8	53.5	57.7	44.5	55.5	59.1	56.6	46.5	52.0	48.2	3.3
Whole-House	4.2	4.1	4.3	4.7	3.4	Q	4.6	4.6	3.5	5.1	14.0
Window	13.4	21.2	18.7	9.8	5.7	14.6	19.8	16.0	8.3	6.4	9.1
Freezer	34.5	25.5	43.8	37.2	28.1	52.8	34.9	31.3	31.3	32.7	5.5
1	30.5	23.4	40.1	31.3	25.2	46.1	32.2	26.9	27.4	28.5	5.1
2 or more	4.0	2.1	3.7	5.9	2.9	6.6	2.7	4.4	3.9	4.2	17.5
Defrost Method											
Frost-Free	11.6	8.7	11.3	14.7	9.6	12.9	9.5	12.7	12.3	12.0	8.6
Manual	22.9	16.8	32.5	22.5	18.5	39.8	25.4	18.6	19.0	20.7	7.8
Type											
Upright	17.4	15.7	18.9	16.7	18.6	23.6	18.6	16.1	15.0	17.0	6.7
Chest	17.1	9.7	24.9	20.5	9.5	29.2	16.3	15.2	16.3	15.7	9.7
Age											
Less than 2 Years	2.2	1.8	3.2	2.2	1.4	2.3	3.0	1.7	1.8	2.0	19.3
2 to 4 Years	3.5	2.7	4.7	4.0	2.3	6.6	3.3	2.9	3.1	3.7	11.5
5 to 9 Years	6.8	4.3	6.8	9.1	5.5	9.8	5.9	5.0	8.6	7.2	11.0
10 to 19 Years	13.0	9.9	16.1	14.2	10.6	17.9	13.5	13.4	10.0	12.6	7.8
20 Years or More	8.0	6.5	11.9	6.5	7.4	15.0	8.6	7.3	6.5	6.3	10.9
Don't Know	0.9	Q	1.1	1.2	0.9	Q	0.6	0.9	1.3	0.9	24.9

See footnotes at end of table.

**Table 3.16a. Appliances by Census Region and Climate Zone,
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Freezer Size											
Very Small (Less than 11 cf)	2.8	0.5	0.9	0.9	0.5	0.5	0.8	0.5	0.5	0.6	16.7
Small (11-14 cf)	6.7	0.8	2.1	2.7	1.1	0.9	1.7	1.3	1.2	1.6	14.0
Medium (15-18 cf)	12.1	1.8	3.9	4.5	2.0	1.8	3.4	2.5	2.1	2.3	10.9
Large (19-22 cf)	9.5	1.5	2.8	3.6	1.7	1.2	2.7	2.2	1.4	2.1	11.6
Very Large (23 or More cf)	2.2	0.4	0.5	0.7	0.5	0.2	0.7	0.6	0.3	0.4	20.6
Heaters (other)											
Hot Tub or Spa	2.8	0.3	0.4	1.0	1.1	0.2	0.6	0.6	0.6	0.9	17.2
Electric	1.9	0.2	0.4	0.6	0.7	0.2	0.4	0.5	0.3	0.5	21.9
Natural Gas	0.7	Q	Q	0.2	0.4	Q	Q	Q	0.2	0.3	26.3
LPG/Other	0.2	Q	Q	0.1	Q	Q	Q	Q	Q	0.1	27.8
Portable Space	11.8	1.8	3.1	4.8	2.0	1.0	2.8	2.9	2.5	2.5	12.0
Electric	9.8	1.5	2.4	3.9	2.0	0.8	2.2	2.3	2.2	2.3	11.9
Kerosene	2.3	0.4	0.9	1.1	Q	0.2	0.7	0.8	0.4	0.3	24.1
Swimming Pool	0.8	Q	Q	0.4	0.3	Q	Q	0.1	0.2	0.4	30.8
Natural Gas	0.5	Q	Q	0.2	0.1	Q	Q	Q	Q	0.2	49.6
Electric/LPG/Other	0.4	Q	Q	0.1	Q	Q	Q	Q	Q	0.1	50.1
Waterbed Heaters	11.9	1.4	4.1	4.1	2.3	1.4	3.9	2.3	1.5	2.7	10.8
1	9.7	1.2	3.3	3.3	1.9	1.1	3.2	1.9	1.2	2.3	11.1
2 or More	2.2	0.2	0.8	0.8	0.4	0.3	0.7	0.4	0.3	0.5	21.6
Waterbed Heaters											
Used All Year	9.9	1.2	3.6	3.3	1.8	1.3	3.4	1.8	1.2	2.2	11.4
1	8.2	1.0	3.0	2.7	1.5	1.0	2.8	1.6	1.0	1.8	11.6
2 or More	1.7	0.2	0.6	0.7	0.3	0.3	0.6	0.3	0.2	0.4	23.2
Office Equipment											
Facsimile Machine	2.9	0.6	0.4	1.0	0.8	0.1	0.6	0.8	0.7	0.7	16.2
Laser Printer	5.3	0.9	1.0	1.8	1.6	0.3	1.2	1.4	1.2	1.1	10.5
Personal Computer	22.6	4.7	5.3	6.9	5.7	2.0	6.2	5.6	4.0	4.8	7.7
Photocopier	1.5	0.3	0.4	0.6	0.3	0.1	0.4	0.4	0.2	0.3	20.0
Oven											
Electric	59.4	9.2	13.5	23.8	12.9	6.0	15.3	13.3	11.1	13.9	6.3
Natural Gas	30.7	8.6	8.4	6.9	6.7	1.7	9.9	7.9	5.8	5.4	9.0
LPG	4.2	1.0	1.0	1.9	0.4	0.7	0.9	0.7	0.6	1.3	24.9
Pumps (Electric)											
Hot Tub or Spa	2.8	0.3	0.4	1.0	1.1	0.2	0.6	0.6	0.6	0.9	17.2
Swimming Pool	4.6	1.1	0.5	1.9	1.1	0.2	0.9	1.0	1.0	1.5	13.6
Well Water	13.0	3.0	4.0	4.5	1.4	2.4	4.0	2.8	1.4	2.4	13.5
Range											
Electric	59.3	9.3	13.6	23.9	12.6	6.2	15.3	13.2	10.9	13.8	6.5
Natural Gas	32.2	9.0	8.7	7.2	7.2	1.7	10.3	8.2	6.1	5.8	8.9
LPG	4.6	1.0	1.0	2.2	0.4	0.7	0.9	0.8	0.6	1.5	24.0

See footnotes at end of table.

**Table 3.16b. Appliances by Census Region and Climate Zone,
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Freezer Size											
Very Small (Less than 11 cf)	2.9	2.6	3.9	2.6	2.3	5.8	3.0	2.1	2.6	2.6	14.4
Small (11-14 cf)	6.9	4.0	9.2	8.2	5.3	10.1	6.5	5.8	7.0	7.3	11.8
Medium (15-18 cf)	12.6	9.3	16.6	13.4	9.7	20.8	12.7	11.2	11.9	11.0	8.4
Large (19-22 cf)	9.9	7.5	11.9	10.8	8.3	13.8	10.0	9.7	8.0	9.8	9.5
Very Large (23 or More cf)	2.3	2.1	2.2	2.2	2.6	2.2	2.6	2.5	1.8	1.9	19.5
Heaters (other)											
Hot Tub or Spa	2.9	1.3	1.9	3.0	5.6	2.7	2.1	2.5	3.3	4.3	16.7
Electric	2.0	1.2	1.6	1.9	3.5	2.5	1.7	2.0	1.9	2.3	21.4
Natural Gas	0.7	Q	Q	0.7	1.9	Q	Q	Q	1.4	1.3	24.3
LPG/Other	0.2	Q	Q	0.4	Q	Q	Q	Q	Q	0.7	25.3
Portable Space	12.2	9.5	13.3	14.3	10.0	11.0	10.6	12.9	14.3	11.9	10.6
Electric	10.1	7.7	10.2	11.7	9.8	9.2	8.3	10.4	12.2	10.9	10.5
Kerosene	2.4	1.9	3.7	3.2	Q	1.9	2.6	3.6	2.3	1.3	23.5
Swimming Pool	0.9	Q	Q	1.1	1.5	Q	Q	0.6	1.4	1.7	29.6
Natural Gas	0.5	Q	Q	0.6	0.7	Q	Q	Q	Q	1.1	42.8
Electric/LPG/Other	0.4	Q	Q	0.4	Q	Q	Q	Q	Q	0.6	44.7
Waterbed Heaters	12.3	7.1	17.8	12.2	11.1	16.6	14.8	10.1	8.4	12.9	8.6
1	10.0	6.0	14.3	9.8	9.1	12.9	12.0	8.3	6.9	10.7	9.2
2 or More	2.3	1.1	3.4	2.4	2.0	3.7	2.8	1.8	1.5	2.2	19.8
Waterbed Heaters											
Used All Year	10.3	6.1	15.3	9.9	8.9	14.9	12.8	8.2	6.8	10.3	9.1
1	8.5	5.1	12.8	8.0	7.5	11.5	10.7	6.9	5.8	8.3	9.5
2 or More	1.8	1.0	2.5	2.0	1.4	3.3	2.1	1.3	1.0	2.0	21.5
Office Equipment	24.2	24.8	23.6	21.4	28.7	23.9	24.1	26.1	23.2	23.1	6.6
Facsimile Machine	3.0	3.2	1.8	3.1	4.1	1.5	2.2	3.6	3.7	3.5	16.2
Laser Printer	5.5	4.8	4.5	5.3	7.7	3.9	4.7	6.1	6.8	5.4	9.7
Personal Computer	23.3	23.9	22.8	20.5	28.0	23.3	23.3	25.0	22.4	22.4	6.6
Photocopier	1.6	1.4	1.8	1.7	1.5	1.5	1.6	1.8	1.4	1.5	19.6
Oven	97.6	96.7	98.3	97.3	98.1	96.6	97.9	97.9	98.3	96.8	NE
Electric	61.5	47.2	58.1	71.2	63.2	68.7	57.6	59.2	62.3	65.4	4.2
Natural Gas	31.8	44.4	36.2	20.6	33.1	19.7	37.3	35.1	32.6	25.6	7.8
LPG	4.3	4.9	4.2	5.6	1.8	8.2	3.3	3.3	3.5	5.9	23.9
Pumps (Electric)	18.8	20.3	19.8	19.3	15.5	29.4	19.2	17.4	14.9	18.9	8.8
Hot Tub or Spa	2.9	1.3	1.9	3.0	5.6	2.7	2.1	2.5	3.3	4.3	16.7
Swimming Pool	4.8	5.5	2.3	5.6	5.4	2.5	3.4	4.3	5.8	6.9	13.2
Well Water	13.4	15.5	17.1	13.4	7.1	27.7	15.2	12.3	7.7	11.2	12.5
Range	99.4	99.2	99.8	99.4	99.3	99.5	99.6	99.5	99.4	99.2	NE
Electric	61.4	47.6	58.3	71.3	61.9	70.8	57.6	58.9	61.3	65.0	4.2
Natural Gas	33.3	46.1	37.5	21.6	35.5	20.1	38.9	36.6	34.5	27.3	7.8
LPG	4.7	5.3	4.2	6.5	1.9	8.5	3.4	3.7	3.6	7.0	23.1

See footnotes at end of table.

Table 3.16a. Appliances by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Refrigerators	96.5	19.4	23.3	33.4	20.3	8.7	26.5	22.4	17.8	21.1	6.7
1	82.1	16.8	18.8	29.4	17.2	6.8	22.0	19.5	15.2	18.6	4.0
2 or More	14.4	2.6	4.5	4.1	3.2	1.9	4.5	2.9	2.6	2.5	9.1
Defrost Method											
Frost-Free	81.8	16.1	19.3	29.4	17.0	7.1	22.3	18.6	14.9	19.0	4.6
Manual	14.7	3.4	4.0	4.0	3.4	1.6	4.2	3.8	2.9	2.2	9.8
Type											
2-Doors (top and bottom)	71.3	14.6	18.3	24.8	13.5	7.1	20.4	16.5	11.6	15.7	4.2
2-Doors (side-by-side)	16.6	2.9	3.2	6.1	4.4	0.8	4.0	3.7	3.9	4.2	8.0
Regular (single door)	7.9	1.8	1.7	2.3	2.1	0.8	1.9	2.0	2.1	1.1	11.2
Half-Size/Other	0.8	Q	Q	0.3	0.3	Q	0.1	0.2	0.3	Q	27.7
Age											
Less than 2 Years	11.9	2.3	2.8	4.2	2.5	1.0	3.3	2.3	2.3	2.9	10.7
2 to 4 Years	16.2	3.5	3.7	5.8	3.3	1.4	4.1	3.9	3.2	3.5	8.7
5 to 9 Years	28.1	5.9	6.4	10.2	5.6	2.5	7.5	6.9	4.8	6.4	7.0
10 to 19 Years	24.9	4.7	6.1	8.5	5.6	2.6	6.9	5.6	4.4	5.4	7.6
20 Years or More	7.0	1.7	2.3	1.7	1.4	0.7	2.3	1.9	1.3	0.8	12.3
Don't Know	8.3	1.4	2.0	3.0	1.9	0.5	2.4	1.7	1.7	2.0	12.8
Size											
Very Small (Less than 11 cf)	1.3	0.3	0.4	0.3	0.3	Q	0.4	0.3	0.3	0.2	29.8
Small (11-14 cf)	8.9	2.2	2.4	2.6	1.7	0.8	2.7	2.2	1.6	1.6	11.1
Medium (15-18 cf)	52.4	10.3	13.4	18.1	10.6	5.4	14.6	12.6	9.0	10.9	5.2
Large (19-22 cf)	30.0	5.7	6.5	11.0	6.8	2.2	8.0	6.3	6.1	7.3	6.6
Very Large (23 or More cf)	3.9	0.9	0.6	1.4	1.0	0.2	0.8	1.0	0.9	1.0	17.5
Through-the-Door Ice Service											
Yes	10.1	1.6	1.9	4.2	2.5	0.5	2.2	2.2	2.6	2.7	10.1
No	86.3	17.9	21.4	29.2	17.8	8.2	24.3	20.2	15.2	18.4	4.5
Television Sets	95.4	19.3	22.9	33.1	20.0	8.5	26.3	22.1	17.6	21.0	6.8
Color	94.4	19.1	22.8	32.7	19.9	8.3	26.0	21.9	17.4	20.8	6.8
1	39.2	7.4	9.4	13.8	8.5	4.0	10.6	8.2	7.7	8.7	6.5
2	35.2	7.7	8.4	12.0	7.2	2.8	10.1	8.5	6.3	7.6	5.9
3	14.3	2.8	3.4	5.1	3.1	1.1	3.8	3.6	2.6	3.3	8.5
4	4.2	0.8	1.2	1.2	0.9	0.4	1.2	1.1	0.5	0.9	11.4
5 or More	1.5	0.4	0.4	0.5	0.3	0.1	0.4	0.5	0.3	0.3	18.9
Black/White	19.0	3.9	5.5	6.5	3.1	1.7	5.9	4.6	2.9	3.9	7.8
1	16.9	3.5	4.7	5.8	2.8	1.6	5.1	4.1	2.6	3.6	8.2
2 or More	2.1	0.3	0.8	0.7	0.3	0.2	0.8	0.5	0.3	0.3	20.1

See footnotes at end of table.

Table 3.16b. Appliances by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Refrigerators	99.8	99.7	100.0	99.7	99.9	100.0	100.0	99.6	99.9	99.7	NE
1	85.0	86.4	80.5	87.6	84.3	78.0	83.1	86.6	85.5	87.9	1.2
2 or More	14.9	13.3	19.5	12.1	15.6	22.0	16.9	13.0	14.4	11.8	6.8
Defrost Method											
Frost-Free	84.6	82.4	83.0	87.7	83.4	81.4	84.0	82.6	83.8	89.4	1.6
Manual	15.2	17.3	17.0	12.0	16.5	18.6	16.0	16.9	16.1	10.4	8.2
Type											
2-Doors (top and bottom)	73.7	75.2	78.5	74.0	66.5	81.7	77.0	73.5	65.1	74.0	1.7
2-Doors (side-by-side)	17.1	14.8	13.8	18.1	21.6	9.3	15.1	16.3	21.7	20.0	6.6
Regular (single door)	8.2	9.1	7.2	6.9	10.4	8.8	7.4	9.0	11.6	5.1	10.4
Half-Size/Other	0.8	Q	Q	0.8	1.4	Q	0.5	0.8	1.5	Q	27.0
Age											
Less than 2 Years	12.3	11.8	12.2	12.6	12.3	11.5	12.4	10.4	13.1	13.7	9.1
2 to 4 Years	16.8	17.8	15.8	17.2	16.3	16.1	15.6	17.4	18.1	16.7	7.7
5 to 9 Years	29.1	30.5	27.5	30.4	27.4	28.6	28.5	30.6	27.2	30.1	4.8
10 to 19 Years	25.8	23.9	26.2	25.3	27.7	30.0	25.9	25.1	24.5	25.7	5.4
20 Years or More	7.3	8.6	9.8	5.2	6.7	8.4	8.7	8.4	7.1	4.0	10.6
Don't Know	8.6	7.1	8.6	9.1	9.5	5.4	8.9	7.7	9.8	9.6	11.7
Size											
Very Small (Less than 11 cf)	1.3	1.5	1.6	0.9	1.4	Q	1.6	1.2	1.5	1.1	27.9
Small (11-14 cf)	9.2	11.3	10.5	7.7	8.1	9.1	10.2	9.7	8.9	7.7	9.4
Medium (15-18 cf)	54.3	53.1	57.3	54.1	52.2	62.1	55.1	56.0	50.4	51.5	2.9
Large (19-22 cf)	31.0	29.3	27.8	32.7	33.5	25.8	30.1	28.2	34.3	34.6	4.7
Very Large (23 or More cf)	4.0	4.5	2.8	4.2	4.7	2.3	3.0	4.5	4.9	4.8	17.1
Through-the-Door Ice Service											
Yes	10.5	8.0	8.0	12.5	12.4	5.2	8.3	9.7	14.5	12.7	9.2
No	89.3	91.7	92.0	87.2	87.5	94.8	91.7	89.8	85.4	87.0	1.1
Television Sets	98.8	99.3	98.4	98.9	98.4	97.4	99.1	98.5	98.8	99.1	NE
Color	97.7	98.1	97.6	97.5	97.8	96.0	98.3	97.4	97.7	97.9	NE
1	40.5	38.2	40.3	41.3	41.9	46.3	40.0	36.6	43.1	41.0	4.0
2	36.4	39.3	35.9	35.8	35.2	32.1	38.0	37.7	35.4	35.7	4.0
3	14.8	14.5	14.4	15.1	15.1	12.2	14.2	16.0	14.5	15.7	7.2
4	4.3	4.2	5.3	3.7	4.2	4.4	4.6	5.0	2.9	4.3	10.2
5 or More	1.6	1.9	1.7	1.6	1.3	1.1	1.5	2.1	1.8	1.2	18.5
Black/White	19.6	19.9	23.4	19.5	15.3	19.9	22.3	20.5	16.1	18.2	6.0
1	17.5	18.2	20.1	17.3	14.0	18.0	19.2	18.2	14.5	16.9	6.3
2 or More	2.2	1.8	3.3	2.1	1.3	1.9	3.1	2.2	1.7	1.3	19.5

See footnotes at end of table.

Table 3.16a. Appliances by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Water Heaters³	95.5	18.8	23.3	33.1	20.3	8.4	26.3	22.1	17.8	21.1	6.8
Electric	37.1	4.5	6.9	19.2	6.5	3.8	7.4	8.8	6.3	10.8	9.7
For One Housing Unit	35.8	4.4	6.6	18.8	6.0	3.6	7.2	8.6	5.9	10.6	9.9
For Two or More Units ⁴	1.3	Q	0.3	0.4	0.5	Q	0.3	0.2	0.4	0.3	36.9
Natural Gas	51.2	10.1	15.3	12.6	13.2	3.7	16.7	10.4	10.9	9.3	7.5
For One Housing Unit	44.0	7.7	13.1	12.0	11.2	3.3	14.0	8.4	9.4	8.8	8.4
For Two or More Units ⁴	7.2	2.4	2.2	0.6	2.0	0.5	2.7	2.0	1.5	0.5	17.1
Fuel Oil	4.0	3.8	Q	Q	Q	0.3	1.4	2.3	Q	Q	13.1
For One Housing Unit	2.2	2.1	Q	Q	Q	0.2	1.1	0.8	Q	Q	15.9
For Two or More Units ⁴	1.8	1.7	Q	Q	Q	Q	0.2	1.5	Q	Q	22.7
LPG	2.8	0.4	1.0	1.0	0.4	0.5	0.6	Q	0.4	0.7	27.6
Other	0.4	0.1	Q	0.1	0.2	Q	Q	Q	Q	0.1	46.3
Water Heater (for one housing unit)											
Age											
Less than 2 Years	11.4	1.9	2.7	4.5	2.4	1.2	3.0	2.1	2.0	3.1	10.9
2 to 4 Years	13.9	2.5	3.3	5.3	2.8	1.4	3.8	2.8	2.7	3.2	9.2
5 to 9 Years	21.4	3.8	5.1	8.1	4.4	1.6	5.8	5.2	3.8	5.0	9.0
10 to 19 Years	19.5	3.3	5.2	7.0	4.0	2.0	5.2	4.5	3.5	4.3	8.6
20 Years or More	7.5	1.7	2.2	2.0	1.5	0.7	2.5	1.7	1.2	1.4	14.0
Don't Know	11.3	1.3	2.3	5.1	2.6	0.6	2.7	2.0	2.7	3.3	12.0
Size											
Small	17.7	2.8	3.8	7.8	3.4	1.2	4.3	3.4	3.3	5.4	8.9
Medium	44.1	7.3	11.5	16.7	8.6	4.0	12.3	9.5	8.0	10.3	7.1
Large	18.0	3.2	4.3	5.7	4.7	2.0	5.0	4.1	3.5	3.4	10.1
Don't Know	5.2	1.3	1.1	1.7	1.1	0.4	1.4	1.3	1.1	1.1	16.2
Other Appliances											
Electric											
Air Cleaner	5.4	1.1	1.8	1.4	1.0	0.5	2.1	1.2	0.6	1.0	13.8
Aquarium	4.1	0.9	1.4	1.1	0.8	0.5	1.5	0.8	0.6	0.7	14.9
Dehumidifier	9.1	2.5	5.1	1.2	0.2	2.1	4.3	2.0	0.3	0.3	16.1
Evaporative Cooler	2.7	Q	Q	0.5	2.2	Q	0.3	0.1	0.7	1.5	26.3
Humidifier	13.7	3.0	6.1	2.6	2.0	2.3	5.2	3.4	1.4	1.3	10.6
Microwave Oven	81.3	15.1	20.8	27.8	17.5	7.6	22.9	18.5	14.7	17.6	3.7
Toaster Oven	27.5	7.2	4.5	10.1	5.7	1.6	6.9	7.1	5.4	6.6	7.4
Outdoor Gas Light ²	0.5	Q	Q	0.3	Q	Q	Q	Q	Q	0.2	36.7
Outdoor Grill	27.5	7.0	7.4	8.5	4.7	3.3	9.1	6.5	3.5	5.2	7.2
Natural Gas	2.8	0.6	0.6	0.9	0.6	Q	0.9	0.4	0.6	0.8	20.0
LPG	24.8	6.4	6.8	7.6	4.0	3.3	8.2	6.1	2.9	4.4	7.9

¹ An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

² Gas includes LPG and natural gas.

³ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁴ An unknown number may be heated by the space-heating system.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.16b. Appliances by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Appliance Types and Characteristics	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.9	0.8	0.7	0.8	2.3	1.3	1.3	1.4	1.1	
Water Heaters³	98.9	96.5	100.0	99.0	99.7	96.5	99.1	98.2	99.9	99.3	NE
Electric	38.4	23.0	29.7	57.4	32.0	43.2	28.1	39.2	35.6	51.1	7.6
For One Housing Unit	37.0	22.6	28.2	56.2	29.4	41.0	27.1	38.1	33.3	49.8	7.9
For Two or More Units ⁴	1.4	Q	1.5	1.2	2.5	Q	1.0	1.0	2.2	1.2	35.3
Natural Gas	53.0	51.7	65.8	37.6	64.8	43.0	63.2	46.5	61.5	43.9	6.1
For One Housing Unit	45.5	39.3	56.4	35.7	55.0	37.6	53.0	37.6	53.0	41.5	6.7
For Two or More Units ⁴	7.5	12.4	9.4	1.9	9.7	5.4	10.3	8.9	8.5	2.4	17.8
Fuel Oil	4.1	19.3	Q	Q	Q	3.7	5.2	10.1	Q	Q	15.1
For One Housing Unit	2.3	10.7	Q	Q	Q	2.6	4.3	3.6	Q	Q	18.3
For Two or More Units ⁴	1.9	8.6	Q	Q	Q	Q	0.9	6.5	Q	Q	23.5
LPG	2.9	1.9	4.3	3.0	2.0	6.3	2.4	Q	2.3	3.5	27.0
Other	0.5	0.6	Q	0.4	0.9	Q	Q	Q	Q	0.7	39.6
Water Heater (for one housing unit)											
Age											
Less than 2 Years	11.8	9.6	11.4	13.4	11.7	13.6	11.5	9.5	11.1	14.5	9.0
2 to 4 Years	14.4	12.8	14.3	15.8	13.6	16.3	14.2	12.5	15.1	15.2	7.8
5 to 9 Years	22.2	19.7	21.8	24.2	21.6	18.9	21.8	23.1	21.6	23.6	6.9
10 to 19 Years	20.1	17.0	22.2	20.8	19.7	23.2	19.6	20.1	19.6	20.1	6.4
20 Years or More	7.8	9.0	9.5	6.0	7.6	8.5	9.5	7.5	6.6	6.6	12.4
Don't Know	11.7	6.6	9.8	15.1	13.0	6.8	10.2	8.8	15.1	15.6	10.6
Size											
Small	18.3	14.2	16.2	23.3	16.6	13.9	16.4	15.2	18.5	25.7	6.9
Medium	45.6	37.2	49.5	50.0	42.2	45.5	46.5	42.4	45.0	48.7	4.6
Large	18.6	16.7	18.5	17.0	23.0	23.0	18.7	18.2	19.7	16.0	8.4
Don't Know	5.4	6.5	4.8	5.2	5.5	4.7	5.2	5.7	6.0	5.2	15.3
Other Appliances											
Electric											
Air Cleaner	5.5	5.7	7.8	4.3	4.9	5.5	8.0	5.2	3.4	4.7	12.8
Aquarium	4.3	4.6	5.8	3.2	4.0	5.4	5.7	3.8	3.6	3.1	13.7
Dehumidifier	9.4	13.1	21.7	3.7	1.0	24.4	16.1	8.9	1.9	1.6	13.8
Evaporative Cooler	2.8	Q	Q	1.5	10.6	Q	1.2	0.5	3.7	7.2	26.1
Humidifier	14.1	15.5	26.1	7.7	9.7	27.0	19.7	15.0	7.7	6.3	8.5
Microwave Oven	84.1	77.7	89.4	83.1	86.0	87.4	86.3	82.3	82.8	83.0	1.4
Toaster Oven	28.5	36.8	19.4	30.2	28.2	17.9	26.1	31.7	30.2	31.1	6.4
Outdoor Gas Light ²	0.6	Q	Q	0.9	Q	Q	Q	Q	Q	Q	32.2
Outdoor Grill	28.5	35.7	31.7	25.5	22.9	38.5	34.2	29.0	19.5	24.3	5.4
Natural Gas	2.9	2.9	2.6	2.8	3.2	Q	3.3	1.9	3.4	3.7	18.9
LPG	25.7	32.8	29.1	22.7	19.8	37.6	31.0	27.1	16.1	20.7	6.2

¹ An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

² Gas includes LPG and natural gas.

³ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁴ An unknown number may be heated by the space-heating system.

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.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.17a. Appliances by Year of Construction,
Million U.S. Households, 1993**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
		0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	
Total	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.3
Air-Conditioner	66.1	3.9	3.9	4.7	6.9	12.8	11.0	8.7	3.9	10.3	6.1
Central ²	42.1	3.7	3.5	4.2	5.8	9.1	6.9	4.8	1.5	2.6	7.8
Electric	41.9	3.6	3.5	4.1	5.8	9.1	6.8	4.8	1.5	2.6	7.8
Without a Heat Pump	30.1	2.5	2.3	2.4	3.9	6.4	5.5	3.7	1.3	2.1	8.7
With a Heat Pump	11.9	1.2	1.3	1.7	2.0	2.7	1.3	1.1	0.2	0.4	15.0
Gas ³	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	105.4
Room ²	25.7	0.3	0.4	0.6	1.1	4.0	4.5	4.5	2.5	7.9	11.5
1 Unit	17.3	0.3	0.3	0.5	0.7	3.0	3.4	2.7	1.6	4.9	12.6
2 Units	6.3	Q	0.1	0.1	0.2	0.9	0.9	1.3	0.6	2.2	18.8
3 or More Units	2.2	Q	Q	Q	0.2	Q	0.2	0.5	0.3	0.8	25.3
Clothes Washer	74.5	3.8	4.1	4.5	6.6	13.2	10.8	11.3	5.5	14.8	6.0
Clothes Dryer	68.8	3.7	4.0	4.4	6.2	12.6	10.2	10.1	4.7	12.9	5.8
Electric	54.7	3.2	3.4	3.7	5.2	10.7	7.9	7.0	3.8	9.8	6.5
Natural Gas	13.4	0.5	0.6	0.6	0.9	1.8	2.2	3.0	1.0	2.9	14.2
LPG	0.7	0.1	Q	Q	Q	Q	Q	Q	Q	0.2	38.1
Dishwasher	43.7	3.3	3.4	3.8	5.0	9.2	6.3	5.7	1.9	5.2	7.3
Fans	88.4	4.4	4.5	5.2	7.9	16.8	13.9	12.0	6.0	17.6	5.4
Ceiling	51.8	3.2	3.2	3.5	4.8	9.9	7.8	6.7	3.5	9.3	6.3
1	22.3	1.3	1.0	1.3	2.0	4.5	3.2	2.7	1.8	4.5	9.1
2	12.0	0.5	0.9	0.8	1.2	2.1	2.0	1.4	0.9	2.2	11.5
3 or more	17.6	1.4	1.2	1.4	1.6	3.3	2.7	2.5	0.8	2.6	10.5
Exhaust (attic)	9.0	0.2	0.5	0.4	0.9	2.2	1.6	1.5	0.5	1.2	14.4
Exhaust (other)	55.8	3.9	3.7	4.2	6.1	12.0	9.2	6.7	2.8	7.3	6.3
Portable	50.0	1.3	1.9	2.2	4.4	9.5	8.3	6.7	3.9	11.8	6.6
Whole-House	4.1	0.1	0.2	0.2	0.5	1.0	0.7	0.8	0.2	0.5	19.2
Window	12.9	0.2	0.5	0.5	0.6	1.9	1.6	1.8	1.4	4.5	12.4
Freezer	33.4	1.2	1.7	1.7	2.1	6.4	5.0	5.1	2.8	7.3	7.0
1	29.5	1.1	1.5	1.4	2.0	5.7	4.5	4.6	2.5	6.2	7.1
2 or more	3.8	0.1	0.2	0.3	0.2	0.7	0.5	0.5	0.3	1.1	21.8
Defrost Method											
Frost-Free	11.2	0.4	0.7	0.8	0.9	2.1	1.6	1.7	0.9	2.2	11.2
Manual	22.1	0.8	0.9	1.0	1.3	4.3	3.4	3.4	1.9	5.1	8.9
Type											
Upright	16.9	0.7	0.8	1.0	1.1	3.2	2.5	2.6	1.4	3.4	10.1
Chest	16.5	0.4	0.9	0.7	1.0	3.2	2.4	2.5	1.4	3.9	10.0
Age											
Less than 2 Years	2.1	0.1	0.1	0.1	0.3	0.4	0.3	0.3	Q	0.4	24.7
2 to 4 Years	3.4	0.2	0.4	0.2	0.2	0.6	0.5	0.4	0.3	0.7	18.9
5 to 9 Years	6.6	0.4	0.4	0.5	0.6	1.2	0.9	0.9	0.6	1.1	14.2
10 to 19 Years	12.6	0.3	0.5	0.6	0.9	2.8	1.8	2.0	0.9	2.9	10.8
20 Years or More	7.7	0.1	0.2	0.2	0.2	1.2	1.3	1.4	0.9	2.1	14.6
Don't Know	0.9	Q	Q	Q	Q	0.2	Q	Q	0.2	0.2	31.1
Size											
Very Small (Less than 11 cf)	2.8	0.1	0.2	0.1	0.3	0.6	0.4	0.4	0.2	0.6	20.2
Small (11-14 cf)	6.7	0.3	0.4	0.4	0.3	1.2	1.0	1.2	0.6	1.3	15.6
Medium (15-18 cf)	12.1	0.4	0.7	0.7	0.7	2.3	1.8	1.7	1.2	2.6	10.9
Large (19-22 cf)	9.5	0.3	0.4	0.4	0.7	1.9	1.3	1.5	0.8	2.2	12.7
Very Large (23 or More cf)	2.2	Q	Q	Q	Q	0.5	0.5	0.4	Q	0.6	22.8

See footnotes at end of table.

**Table 3.17b. Appliances by Year of Construction,
Percent of U.S. Households, 1993**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors	
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before		
		0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3		0.8
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Air-Conditioner	68.4	87.9	83.3	85.9	81.0	70.7	73.0	66.7	56.6	50.5	2.9	
Central ²	43.5	82.3	74.7	75.6	68.9	50.3	45.6	36.8	21.7	12.7	5.1	
Electric	43.4	81.7	74.7	75.4	68.9	50.3	45.3	36.8	21.7	12.5	5.1	
Without a Heat Pump	31.1	55.5	48.0	43.7	45.7	35.5	36.9	28.3	18.4	10.4	7.0	
With a Heat Pump	12.3	26.1	26.6	31.7	23.2	14.8	8.4	8.5	3.4	2.1	13.4	
Gas ³	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	92.2	
Room ²	26.6	6.1	9.0	11.8	12.6	22.1	29.8	34.1	36.5	38.7	10.0	
1 Unit	17.9	5.7	6.9	9.2	8.2	16.3	22.7	20.6	22.5	24.3	11.3	
2 Units	6.5	Q	1.9	2.0	2.4	4.9	5.8	9.8	9.2	10.6	17.7	
3 or More Units	2.2	Q	Q	Q	2.1	Q	1.4	3.6	4.9	3.8	24.0	
Clothes Washer	77.1	84.1	87.6	82.3	77.7	72.6	71.9	86.2	79.3	72.6	2.6	
Clothes Dryer	71.2	83.1	85.5	80.7	72.9	69.2	67.7	77.0	68.6	63.5	3.0	
Electric	56.6	71.0	72.7	68.1	61.3	59.0	52.6	53.6	54.4	48.0	4.1	
Natural Gas	13.9	10.7	11.7	11.0	11.2	9.8	14.6	22.9	14.0	14.3	13.1	
LPG	0.7	1.4	Q	Q	Q	Q	Q	Q	Q	1.2	38.9	
Dishwasher	45.2	74.3	71.3	68.7	58.9	50.8	42.1	43.6	26.8	25.5	4.6	
Fans	91.5	97.4	96.1	95.5	93.9	92.7	92.6	91.6	87.0	86.7	1.2	
Ceiling	53.6	71.8	67.5	64.5	56.8	54.4	52.0	51.1	50.4	45.5	3.8	
1	23.0	28.2	21.8	23.6	23.6	24.8	21.3	21.0	25.5	22.0	7.5	
2	12.4	11.6	20.0	15.4	14.0	11.4	13.0	10.6	12.9	10.7	10.3	
3 or more	18.2	32.0	25.7	25.5	19.1	18.2	17.7	19.5	12.0	12.8	9.4	
Exhaust (attic)	9.3	5.3	11.3	7.6	10.6	12.1	10.7	11.3	6.9	5.9	13.7	
Exhaust (other)	57.8	86.2	79.2	76.6	71.5	66.3	60.9	51.6	39.9	35.8	3.3	
Portable	51.8	29.4	41.2	40.8	51.7	52.1	55.3	51.3	56.5	58.1	4.2	
Whole-House	4.2	2.5	3.4	3.5	5.7	5.3	4.9	5.9	2.3	2.3	19.4	
Window	13.4	5.6	9.8	8.7	7.2	10.3	10.4	13.8	19.9	22.3	11.5	
Freezer	34.5	26.0	35.4	31.1	25.4	35.3	33.2	39.3	40.5	36.1	5.7	
1	30.5	23.9	32.2	26.3	23.2	31.4	29.9	35.1	36.1	30.6	6.0	
2 or more	4.0	2.1	3.2	4.8	2.2	4.0	3.2	4.1	4.4	5.4	21.4	
Defrost Method												
Frost-Free	11.6	8.4	15.8	13.8	10.1	11.5	10.8	13.2	12.4	10.8	10.3	
Manual	22.9	17.7	19.6	17.3	15.3	23.9	22.4	26.1	28.1	25.3	8.1	
Type												
Upright	17.4	16.1	17.0	18.5	13.5	17.9	16.9	20.0	19.9	16.8	8.8	
Chest	17.1	10.0	18.4	12.6	11.9	17.5	16.3	19.2	20.6	19.3	9.6	
Age												
Less than 2 Years	2.2	3.2	2.7	2.0	3.2	2.3	2.2	2.2	Q	1.8	24.8	
2 to 4 Years	3.5	3.5	8.4	3.4	2.0	3.4	3.4	2.8	4.0	3.7	18.5	
5 to 9 Years	6.8	8.7	9.0	9.9	6.7	6.5	6.2	7.2	8.2	5.2	13.4	
10 to 19 Years	13.0	7.1	9.7	10.8	10.1	15.5	11.9	15.1	12.4	14.4	9.9	
20 Years or More	8.0	3.1	5.2	4.2	2.6	6.6	8.7	11.1	12.5	10.1	14.3	
Don't Know	0.9	Q	Q	Q	Q	1.1	Q	Q	2.2	0.9	30.0	
Size												
Very Small (Less than 11 cf)	2.9	2.0	3.5	2.0	3.5	3.0	2.7	2.8	2.7	3.0	19.8	
Small (11-14 cf)	6.9	6.5	7.9	7.5	4.1	6.6	6.9	8.8	8.3	6.6	14.9	
Medium (15-18 cf)	12.6	9.5	14.6	13.3	8.6	12.6	11.9	13.3	17.5	12.5	10.2	
Large (19-22 cf)	9.9	6.6	8.5	7.6	8.1	10.5	8.7	11.6	11.4	11.0	12.0	
Very Large (23 or More cf)	2.3	Q	Q	Q	Q	2.6	3.0	2.8	Q	3.0	21.6	

See footnotes at end of table.

**Table 3.17a. Appliances by Year of Construction,
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
Heaters (other)											
Hot Tub or Spa	2.8	0.2	0.3	0.5	0.4	0.6	0.3	0.3	Q	0.2	21.6
Electric	1.9	0.1	0.2	0.4	0.2	0.4	0.2	0.3	Q	Q	24.7
Natural Gas	0.7	0.1	0.1	Q	Q	0.2	Q	Q	Q	Q	32.7
LPG/Other	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.2
Portable Space	11.8	0.3	0.4	0.6	1.0	1.7	1.8	1.7	0.9	3.4	12.8
Electric	9.8	0.3	0.3	0.5	0.9	1.5	1.5	1.5	0.7	2.7	13.8
Kerosene	2.3	Q	0.1	0.1	0.1	0.4	0.4	0.3	0.2	0.8	29.0
Swimming Pool	0.8	Q	Q	Q	0.2	0.2	Q	Q	Q	Q	38.9
Natural Gas	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	70.7
Electric/LPG/Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.9
Waterbed Heaters	11.9	0.5	0.8	0.8	1.1	2.7	1.7	1.5	0.7	2.0	11.6
1	9.7	0.4	0.7	0.6	0.9	2.2	1.4	1.3	0.5	1.6	12.1
2 or More	2.2	0.1	0.1	0.2	0.2	0.5	0.3	0.2	Q	0.4	24.6
Waterbed Heaters Used All Year	9.9	0.4	0.7	0.6	1.0	2.3	1.5	1.3	0.6	1.5	12.3
1	8.2	0.3	0.6	0.5	0.7	2.0	1.3	1.1	0.5	1.3	13.0
2 or More	1.7	0.1	0.1	0.2	0.2	0.4	0.2	0.2	Q	0.3	27.8
Office Equipment											
Facsimile Machine	23.3	1.5	1.6	1.8	2.5	4.4	3.2	3.1	1.0	4.2	9.4
Laser Printer	2.9	0.2	0.2	0.2	0.4	0.5	0.3	0.5	Q	0.5	20.6
Personal Computer	5.3	0.3	0.4	0.4	0.6	1.0	0.6	0.9	0.3	0.8	17.1
Photocopier	22.6	1.4	1.6	1.8	2.4	4.3	3.2	2.9	0.9	4.0	9.6
Other	1.5	Q	0.1	0.1	0.1	0.3	0.2	0.3	Q	0.3	28.2
Oven											
Electric	94.3	4.4	4.6	5.4	8.3	17.8	14.7	12.7	6.7	19.7	5.3
Natural Gas	59.4	3.3	3.4	3.8	6.0	13.4	10.0	6.9	3.6	9.0	6.6
LPG	30.7	0.9	0.9	1.3	2.0	3.4	4.2	5.3	2.9	9.7	10.1
Other	4.2	0.2	0.3	0.2	0.3	0.9	0.6	0.4	0.2	1.1	21.9
Pumps (Electric)											
Hot Tub or Spa	18.2	0.9	1.1	1.2	1.6	3.7	3.0	2.6	0.9	3.2	10.1
Swimming Pool	2.8	0.2	0.3	0.5	0.4	0.6	0.3	0.3	Q	0.2	21.6
Well Water	4.6	0.1	0.3	0.2	0.6	1.2	0.8	0.9	0.2	0.4	19.1
Other	13.0	0.7	0.7	0.8	1.0	2.7	2.2	1.5	0.7	2.8	12.7
Range											
Electric	96.1	4.4	4.7	5.5	8.4	18.1	15.0	13.0	6.9	20.2	5.3
Natural Gas	59.3	3.3	3.4	3.8	6.0	13.4	9.9	6.9	3.6	9.0	6.6
LPG	32.2	0.9	0.9	1.4	2.1	3.7	4.4	5.7	3.0	10.0	9.8
Other	4.6	0.2	0.3	0.3	0.3	1.0	0.7	0.4	0.2	1.1	21.3

See footnotes at end of table.

**Table 3.17b. Appliances by Year of Construction,
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
Heaters (other)											
Hot Tub or Spa	2.9	3.6	6.8	8.3	5.2	3.2	1.9	2.5	Q	0.9	21.1
Electric	2.0	1.9	5.1	6.6	2.8	2.1	1.1	2.1	Q	Q	24.4
Natural Gas	0.7	1.5	1.1	Q	Q	0.9	Q	Q	Q	Q	32.7
LPG/Other	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.9
Portable Space	12.2	6.2	8.1	10.9	11.2	9.6	12.1	13.2	12.7	16.7	12.0
Electric	10.1	5.8	6.8	9.3	10.3	8.2	9.9	11.1	9.9	13.4	12.8
Kerosene	2.4	Q	1.5	1.8	1.2	1.9	2.8	2.4	2.7	3.8	28.9
Swimming Pool	0.9	Q	Q	Q	1.9	1.1	Q	Q	Q	Q	36.0
Natural Gas	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	61.9
Electric/LPG/Other	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.4
Waterbed Heaters	12.3	11.9	17.0	13.9	13.2	15.1	11.5	11.7	9.7	9.8	10.6
1	10.0	9.2	14.4	11.0	10.4	12.3	9.5	10.1	7.7	7.8	11.3
2 or More	2.3	2.7	2.6	2.9	2.7	2.9	2.0	1.6	Q	2.0	24.0
Waterbed Heaters Used All Year	10.3	9.7	14.4	11.8	11.3	12.9	9.8	9.9	8.4	7.5	11.5
1	8.5	7.2	12.2	9.0	8.8	10.9	8.4	8.5	6.7	6.2	12.4
2 or More	1.8	2.5	2.1	2.8	2.6	2.0	1.4	1.3	Q	1.4	27.2
Office Equipment											
Facsimile Machine	24.2	33.0	34.6	33.2	29.7	24.3	21.5	23.8	14.4	20.4	7.4
Laser Printer	3.0	4.3	5.2	4.0	4.9	2.5	2.0	4.2	Q	2.3	19.8
Personal Computer	5.5	6.7	8.1	8.2	7.4	5.3	4.2	6.9	4.0	3.9	16.2
Photocopier	23.3	32.0	34.0	32.5	28.8	23.7	21.0	22.3	13.6	19.6	7.6
Other	1.6	Q	2.5	2.3	1.7	1.6	1.0	2.1	Q	1.5	27.6
Oven											
Electric	97.6	97.7	98.0	98.0	97.8	98.0	98.0	97.1	97.7	96.9	NE
Natural Gas	61.5	74.0	72.5	69.6	71.4	74.1	66.2	52.9	51.7	44.1	4.1
LPG	31.8	19.1	19.2	24.5	23.6	18.9	27.8	40.9	42.7	47.7	8.6
Other	4.3	4.7	6.3	3.9	3.1	5.2	4.0	3.0	3.3	5.2	22.0
Pumps (Electric)											
Hot Tub or Spa	18.8	19.1	22.9	22.7	19.4	20.6	20.0	19.9	12.7	15.6	9.6
Swimming Pool	2.9	3.6	6.8	8.3	5.2	3.2	1.9	2.5	Q	0.9	21.1
Well Water	4.8	1.3	5.7	3.5	6.6	6.7	5.1	7.1	2.7	2.1	19.1
Other	13.4	15.3	14.0	14.4	11.8	14.8	14.8	11.5	9.6	13.5	12.4
Range											
Electric	99.4	99.2	99.4	100.0	99.1	99.5	99.8	99.4	99.4	99.3	NE
Natural Gas	61.4	73.3	73.2	69.1	70.6	73.9	66.0	52.6	52.3	44.4	4.2
LPG	33.3	20.9	19.9	25.9	25.0	20.2	29.4	43.3	43.6	49.2	8.3
Other	4.7	4.9	6.3	5.0	3.5	5.7	4.4	3.2	3.5	5.6	21.3

See footnotes at end of table.

**Table 3.17a. Appliances by Year of Construction,
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
Refrigerators	96.5	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.3	5.3
1	82.1	4.1	4.1	4.8	7.4	15.6	12.4	10.6	5.7	17.5	5.7
2 or More	14.4	0.4	0.6	0.7	1.1	2.5	2.6	2.4	1.2	2.8	11.1
Defrost Method											
Frost-Free	81.8	4.3	4.3	5.0	7.3	15.2	12.6	11.4	5.7	15.9	5.7
Manual	14.7	0.2	0.4	0.4	1.1	2.9	2.4	1.7	1.1	4.4	11.8
Type											
2-Doors (top and bottom)	71.3	3.2	3.5	4.4	6.4	13.6	11.1	9.2	4.9	15.0	6.0
2-Doors (side-by-side)	16.6	1.2	1.1	0.9	1.7	3.1	2.6	2.6	1.1	2.4	10.1
Regular (single door)	7.9	Q	0.2	0.2	0.4	1.2	1.2	1.2	0.9	2.6	16.0
Half-Size/Other	0.8	Q	Q	Q	Q	0.2	Q	Q	Q	0.2	41.7
Age											
Less than 2 Years	11.9	2.2	0.3	0.5	0.9	2.1	1.8	1.4	0.8	1.9	12.6
2 to 4 Years	16.2	1.2	1.8	0.5	1.0	2.6	3.0	2.1	1.2	2.9	10.2
5 to 9 Years	28.1	0.5	2.1	3.5	2.1	4.5	4.1	3.8	1.6	5.9	8.4
10 to 19 Years	24.9	0.3	0.3	0.5	3.5	5.4	3.5	3.8	2.1	5.5	9.5
20 Years or More	7.0	Q	Q	Q	0.2	1.4	1.3	1.0	0.6	2.4	15.6
Don't Know	8.3	0.2	0.3	0.4	0.8	2.0	1.4	1.0	0.4	1.7	16.0
Size											
Very Small (Less than 11 cf)	1.3	Q	Q	Q	Q	0.2	0.3	Q	Q	0.5	33.6
Small (11-14 cf)	8.9	0.3	0.2	0.4	0.7	1.4	1.4	1.1	0.8	2.6	15.7
Medium (15-18 cf)	52.4	2.4	2.7	3.2	4.7	10.0	8.5	6.6	3.5	10.9	6.2
Large (19-22 cf)	30.0	1.5	1.5	1.7	2.7	5.8	4.1	4.8	2.3	5.7	7.8
Very Large (23 or More cf)	3.9	0.3	0.3	0.2	0.4	0.7	0.6	0.5	0.2	0.6	21.2
Through-the-Door Ice Service											
Yes	10.1	0.9	0.8	0.7	1.2	1.9	1.4	1.4	0.5	1.2	12.6
No	86.3	3.5	3.9	4.8	7.2	16.2	13.6	11.7	6.4	19.1	5.6
Television Sets	95.4	4.4	4.7	5.5	8.4	18.1	14.8	12.9	6.8	19.9	5.3
Color	94.4	4.4	4.7	5.4	8.3	18.0	14.5	12.8	6.8	19.5	5.3
1	39.2	1.6	1.4	1.9	3.4	7.5	6.2	4.5	2.8	9.7	7.2
2	35.2	1.8	1.9	2.1	3.0	6.7	5.2	4.9	2.5	7.0	7.5
3	14.3	0.7	0.9	1.0	1.2	2.5	2.4	2.4	1.1	2.1	10.6
4	4.2	0.2	0.3	0.5	0.5	0.8	0.5	0.6	0.2	0.6	17.0
5 or More	1.5	Q	0.1	0.1	0.2	0.4	0.2	0.4	Q	Q	27.8
Black/White	19.0	0.6	0.9	0.8	1.8	3.1	3.1	2.8	1.5	4.3	9.3
1	16.9	0.6	0.8	0.8	1.6	2.8	2.8	2.5	1.3	3.7	9.6
2 or More	2.1	Q	0.1	(*)	0.2	0.3	0.4	0.3	0.2	0.5	27.1

See footnotes at end of table.

**Table 3.17b. Appliances by Year of Construction,
Percent of U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
Refrigerators	99.8	100.0	100.0	100.0	100.0	99.8	99.8	100.0	99.5	99.6	NE
1	85.0	91.9	86.9	87.2	87.0	85.8	82.3	81.3	82.5	85.9	1.8
2 or More	14.9	8.1	13.1	12.8	13.0	14.0	17.5	18.7	17.0	13.7	10.6
Defrost Method											
Frost-Free	84.6	96.0	91.8	91.9	86.5	83.7	83.6	87.2	83.2	78.1	1.6
Manual	15.2	4.0	8.2	8.1	13.5	16.2	16.2	12.8	16.3	21.5	11.3
Type											
2-Doors (top and bottom)	73.7	70.8	73.3	79.7	75.2	75.1	74.1	70.7	70.5	73.9	2.5
2-Doors (side-by-side)	17.1	27.1	22.3	16.5	19.6	17.0	17.4	19.8	15.7	11.7	8.8
Regular (single door)	8.2	Q	3.7	2.8	4.6	6.7	7.9	9.4	12.5	12.9	15.5
Half-Size/Other	0.8	Q	Q	Q	Q	1.1	Q	Q	Q	1.2	39.2
Age											
Less than 2 Years	12.3	49.8	5.6	10.0	10.7	11.4	11.7	10.5	12.1	9.2	11.0
2 to 4 Years	16.8	27.4	37.9	8.5	11.6	14.3	19.7	16.3	17.2	14.1	9.0
5 to 9 Years	29.1	11.0	44.2	64.5	25.0	24.9	27.1	28.8	23.8	29.0	6.4
10 to 19 Years	25.8	6.2	6.2	8.5	41.3	30.0	23.0	29.1	30.9	27.0	8.0
20 Years or More	7.3	Q	Q	Q	2.1	7.9	8.7	7.3	9.3	11.9	14.4
Don't Know	8.6	4.6	5.4	7.9	9.3	11.3	9.6	8.0	6.3	8.3	15.7
Size											
Very Small (Less than 11 cf)	1.3	Q	Q	Q	Q	1.2	1.9	Q	Q	2.5	31.1
Small (11-14 cf)	9.2	5.8	5.1	7.9	8.8	7.7	9.6	8.1	11.0	12.5	14.8
Medium (15-18 cf)	54.3	53.4	57.2	57.7	55.0	55.0	56.6	50.7	51.3	53.4	3.9
Large (19-22 cf)	31.0	32.6	31.0	30.2	31.6	31.8	27.6	36.4	33.3	28.2	6.1
Very Large (23 or More cf)	4.0	7.8	6.5	3.6	4.3	4.1	4.0	4.2	2.9	2.9	20.6
Through-the-Door Ice Service											
Yes	10.5	21.0	17.7	13.3	14.8	10.4	9.3	10.5	7.4	6.0	11.7
No	89.3	79.0	82.3	86.7	85.2	89.4	90.5	89.5	92.1	93.6	1.6
Television Sets	98.8	99.0	99.4	99.7	99.0	99.6	98.2	99.0	98.8	97.7	NE
Color	97.7	98.5	99.0	98.8	98.3	99.0	96.8	97.8	98.0	96.0	NE
1	40.5	35.5	30.5	33.7	40.7	41.6	41.4	34.8	41.0	47.7	5.5
2	36.4	41.4	39.6	37.5	36.0	37.1	34.5	37.4	36.8	34.5	5.3
3	14.8	15.5	19.8	17.7	14.3	13.8	16.0	18.2	16.4	10.2	9.3
4	4.3	5.0	6.0	8.3	5.5	4.5	3.5	4.5	2.8	3.0	16.7
5 or More	1.6	Q	3.1	1.5	1.8	2.0	1.4	2.8	Q	Q	27.2
Black/White	19.6	14.2	19.5	15.3	21.0	17.1	20.8	21.3	22.0	20.9	8.0
1	17.5	13.4	16.9	14.5	18.6	15.5	18.5	19.3	18.7	18.2	8.4
2 or More	2.2	Q	2.5	0.9	2.4	1.6	2.3	2.0	3.2	2.7	26.4

See footnotes at end of table.

**Table 3.17a. Appliances by Year of Construction,
Million U.S. Households, 1993 (Continued)**

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
Water Heaters⁴	95.5	4.5	4.7	5.5	8.5	17.9	14.8	12.9	6.9	19.9	5.3
Electric	37.1	2.1	2.7	2.9	4.5	9.3	4.9	3.6	2.0	5.2	8.6
For One Housing Unit	35.8	2.1	2.6	2.7	4.4	8.9	4.6	3.4	2.0	4.9	8.7
For Two or More Units ⁵	1.3	Q	Q	Q	Q	0.3	0.3	Q	Q	0.3	44.2
Natural Gas	51.2	2.1	1.8	2.3	3.7	7.5	9.0	8.3	4.2	12.3	8.0
For One Housing Unit	44.0	2.0	1.7	2.2	3.3	5.9	7.3	7.8	3.4	10.4	8.7
For Two or More Units ⁵	7.2	Q	0.1	Q	0.3	1.6	1.7	0.5	0.8	2.0	20.1
Fuel Oil	4.0	0.1	0.1	0.1	0.1	0.5	0.5	0.8	0.4	1.5	22.5
For One Housing Unit	2.2	0.1	0.1	0.1	Q	0.3	0.3	0.5	0.2	0.6	23.8
For Two or More Units ⁵	1.8	Q	Q	Q	Q	Q	0.2	0.3	0.2	0.9	33.2
LPG	2.8	0.2	0.1	0.2	0.2	0.5	0.4	0.3	0.2	0.8	24.4
Other	0.4	Q	Q	Q	Q	0.2	Q	Q	Q	Q	51.5
Water Heater (for one housing unit)											
Age											
Less than 2 Years	11.4	2.6	0.1	0.4	0.7	1.6	1.8	1.6	0.7	1.9	13.9
2 to 4 Years	13.9	1.5	2.0	0.2	0.9	2.1	1.8	1.9	0.8	2.7	11.6
5 to 9 Years	21.4	Q	2.1	4.0	1.4	2.5	2.8	3.2	1.6	3.8	9.1
10 to 19 Years	19.5	Q	Q	0.1	3.8	5.6	2.3	2.3	1.3	4.0	10.1
20 Years or More	7.5	Q	Q	Q	0.2	1.5	2.0	1.2	0.6	2.0	17.5
Don't Know	11.3	0.2	0.3	0.5	0.9	2.5	1.9	1.8	0.8	2.3	14.2
Size											
Small	17.7	0.6	0.7	1.0	1.5	3.6	2.4	2.6	1.4	4.0	10.2
Medium	44.1	2.4	2.6	2.8	4.4	7.7	7.2	6.1	2.9	7.9	7.3
Large	18.0	1.0	1.1	1.2	1.5	3.6	2.3	2.5	1.2	3.6	10.5
Don't Know	5.2	0.3	0.2	0.3	0.6	1.0	0.7	0.8	0.3	1.2	18.7
Other Appliances											
Electric											
Air Cleaner	5.4	0.3	0.4	0.2	0.5	1.2	1.0	0.6	0.3	0.8	17.2
Aquarium	4.1	0.2	0.2	0.2	0.4	0.8	0.7	0.6	0.2	0.9	19.3
Dehumidifier	9.1	0.3	0.4	0.4	0.5	1.4	1.8	1.4	0.7	2.0	15.8
Evaporative Cooler	2.7	Q	Q	0.1	0.3	0.6	0.5	0.7	0.2	0.2	27.0
Humidifier	13.7	0.6	0.7	0.8	1.3	2.3	2.2	1.9	0.8	2.9	10.8
Microwave Oven	81.3	4.1	4.3	4.9	7.5	15.8	12.7	10.9	5.5	15.6	5.6
Toaster Oven	27.5	1.1	1.3	1.7	3.0	5.2	4.1	3.9	2.0	5.3	8.4
Outdoor Gas Light ³	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.7
Outdoor Grill	27.5	1.8	1.9	2.0	2.6	5.1	4.1	4.0	1.5	4.5	8.5
Natural Gas	2.8	0.1	0.1	0.1	0.2	0.5	0.6	0.7	Q	0.2	24.3
LPG	24.8	1.6	1.8	1.9	2.4	4.7	3.5	3.4	1.4	4.2	8.9

¹ Does not include all new construction for 1993.

² An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

³ Gas includes LPG and natural gas.

⁴ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁵ An unknown number may be heated by the space-heating system.

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

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.17b. Appliances by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Appliance Types and Characteristics	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.7	1.4	1.4	1.1	0.8	1.0	0.9	1.3	0.8	
Water Heaters⁴	98.9	99.7	99.3	99.6	99.9	98.8	98.8	98.8	99.4	97.9	NE
Electric	38.4	47.4	56.4	52.4	53.2	51.0	32.7	27.3	29.6	25.6	6.8
For One Housing Unit	37.0	47.0	55.7	50.0	52.1	49.2	30.6	26.4	29.2	24.1	6.9
For Two or More Units ⁵	1.4	Q	Q	Q	Q	1.8	2.1	Q	Q	1.5	41.8
Natural Gas	53.0	46.4	37.9	42.7	43.1	41.5	59.8	63.2	61.0	60.6	5.9
For One Housing Unit	45.5	43.8	35.8	40.6	39.2	32.7	48.7	59.4	49.6	50.9	6.7
For Two or More Units ⁵	7.5	Q	2.1	Q	3.9	8.9	11.1	3.8	11.4	9.8	19.2
Fuel Oil	4.1	1.9	1.9	1.2	1.0	2.9	3.4	5.8	5.8	7.2	22.1
For One Housing Unit	2.3	1.4	1.6	1.2	Q	1.8	2.0	3.6	2.9	3.0	23.8
For Two or More Units ⁵	1.9	Q	Q	Q	Q	Q	1.3	2.2	2.9	4.2	31.2
LPG	2.9	3.9	3.1	2.9	2.3	2.5	2.4	2.2	2.4	4.1	24.6
Other	0.5	Q	Q	Q	Q	0.9	Q	Q	Q	Q	46.9
Water Heater (for one housing unit)											
Age											
Less than 2 Years	11.8	58.9	2.5	7.5	8.7	8.7	11.8	12.0	9.7	9.4	12.4
2 to 4 Years	14.4	32.6	42.2	4.0	11.2	11.5	12.3	14.2	12.0	13.2	10.3
5 to 9 Years	22.2	Q	44.8	71.9	16.7	13.8	18.8	24.8	22.7	18.8	7.0
10 to 19 Years	20.1	Q	Q	2.1	44.7	30.6	15.3	17.9	19.2	19.7	8.8
20 Years or More	7.8	Q	Q	Q	2.0	8.4	13.2	9.0	9.3	9.6	15.8
Don't Know	11.7	4.6	5.4	9.2	11.2	13.9	12.9	13.8	11.5	11.3	13.6
Size											
Small	18.3	12.5	15.3	17.6	17.7	19.8	16.2	19.6	20.2	19.5	8.9
Medium	45.6	54.1	54.5	50.3	52.5	42.2	48.2	47.0	42.6	39.0	5.1
Large	18.6	22.6	22.9	22.6	17.6	19.6	15.0	19.4	17.6	17.6	9.5
Don't Know	5.4	7.0	3.5	4.6	6.6	5.3	4.9	5.9	4.3	5.7	18.1
Other Appliances											
Electric											
Air Cleaner	5.5	5.8	9.3	3.8	6.4	6.4	6.7	4.6	4.6	4.0	16.7
Aquarium	4.3	3.6	5.0	4.0	4.3	4.1	4.5	4.8	2.6	4.5	18.6
Dehumidifier	9.4	6.8	8.4	7.3	6.2	7.8	12.2	10.9	10.7	9.9	15.2
Evaporative Cooler	2.8	Q	Q	2.3	3.0	3.6	3.1	5.3	2.6	1.0	26.5
Humidifier	14.1	14.2	14.9	15.2	15.3	12.8	14.9	14.5	11.3	14.5	9.6
Microwave Oven	84.1	91.7	92.3	88.4	88.1	87.1	84.4	83.3	80.1	76.8	1.6
Toaster Oven	28.5	24.9	26.8	31.0	35.1	28.6	27.3	29.9	28.6	26.1	6.7
Outdoor Gas Light ³	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	42.6
Outdoor Grill	28.5	39.7	40.7	35.8	31.1	28.3	27.4	30.7	22.2	21.9	6.7
Natural Gas	2.9	3.1	1.9	1.9	2.6	2.7	4.3	5.0	Q	1.2	24.0
LPG	25.7	36.7	38.8	33.9	28.5	25.6	23.1	25.7	19.6	20.7	7.2

¹ Does not include all new construction for 1993.

² An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

³ Gas includes LPG and natural gas.

⁴ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁵ An unknown number may be heated by the space-heating system.

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.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,
Million U.S. Households, 1993**

Appliance Type and Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own	Rent	
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.8
Air-Conditioner	66.1	46.5	40.2	6.3	4.1	0.9	3.1	11.6	1.3	10.3	3.9	3.2	0.7	7.4
Central ¹	42.1	31.1	27.6	3.5	1.4	0.3	1.1	7.2	0.8	6.3	2.4	2.1	0.3	11.2
Electric	41.9	31.0	27.6	3.5	1.4	0.3	1.1	7.2	0.8	6.3	2.4	2.1	0.3	11.2
Without a Heat Pump	30.1	22.2	19.7	2.5	1.0	0.2	0.8	4.7	0.4	4.4	2.1	1.9	0.2	11.9
With a Heat Pump	11.9	8.8	7.8	1.0	0.4	Q	0.3	2.4	Q	2.0	0.2	0.2	Q	21.1
Gas ²	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	130.1
Room ¹	25.7	16.9	14.0	2.9	2.7	0.6	2.1	4.5	0.5	4.0	1.6	1.2	0.4	10.2
1 Unit	17.3	10.4	8.4	2.1	2.0	0.4	1.6	3.6	0.4	3.3	1.3	0.9	0.4	11.9
2 Units	6.3	4.7	3.9	0.7	0.6	0.2	0.4	0.7	Q	0.6	0.3	0.2	Q	20.2
3 or More Units	2.2	1.8	1.6	0.1	Q	Q	Q	0.2	Q	Q	Q	Q	Q	37.9
Clothes Washer	74.5	62.4	53.6	8.8	3.9	1.2	2.7	3.5	0.8	2.7	4.7	3.9	0.8	7.6
Clothes Dryer	68.8	58.7	51.3	7.4	3.1	0.9	2.2	2.9	0.8	2.0	4.2	3.6	0.6	8.1
Electric	54.7	46.1	39.9	6.2	2.3	0.6	1.7	2.5	0.7	1.8	3.8	3.2	0.6	9.4
Natural Gas	13.4	12.0	10.9	1.1	0.8	0.3	0.5	0.4	Q	0.3	0.3	0.3	Q	20.1
LPG	0.7	0.6	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	70.1
Dishwasher	43.7	35.0	31.7	3.3	1.8	0.5	1.4	5.9	1.1	4.8	1.0	0.9	Q	10.0
Fans	88.4	62.5	52.7	9.8	6.9	1.4	5.6	13.7	1.3	12.4	5.3	4.2	1.0	6.1
Ceiling	51.8	41.3	36.9	4.4	2.9	0.9	2.0	4.6	0.8	3.8	3.0	2.7	0.4	8.3
1	22.3	15.6	13.4	2.1	1.9	0.4	1.5	3.3	0.4	2.9	1.6	1.4	0.2	10.5
2	12.0	9.7	8.6	1.0	0.6	0.3	0.4	0.8	0.2	0.6	0.8	0.7	Q	13.8
3 or more	17.6	16.1	14.8	1.3	0.4	0.2	0.2	0.5	Q	0.3	0.6	0.6	Q	17.3
Exhaust (attic)	9.0	8.6	8.0	0.5	0.2	Q	0.2	Q	Q	Q	0.1	0.1	Q	23.9
Exhaust (other)	55.8	40.6	36.0	4.5	3.2	0.7	2.5	8.4	0.8	7.6	3.7	3.0	0.7	7.8
Portable	50.0	33.9	27.4	6.5	4.3	0.7	3.6	8.5	0.7	7.8	3.3	2.6	0.7	7.2
Whole-House	4.1	3.9	3.6	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	24.0
Window	12.9	9.1	7.1	2.0	1.7	0.3	1.4	1.3	Q	1.2	0.8	0.6	0.1	13.4
Freezer	33.4	29.4	26.9	2.5	1.0	0.3	0.7	1.1	0.2	1.0	1.9	1.6	0.3	10.5
1	29.5	25.8	23.6	2.2	0.9	0.3	0.6	1.1	Q	0.9	1.7	1.5	0.2	10.7
2 or more	3.8	3.5	3.2	0.3	Q	Q	Q	Q	Q	Q	0.2	0.1	Q	26.9
Defrost Method														
Frost-Free	11.2	9.9	8.9	0.9	0.3	Q	0.2	0.4	Q	0.4	0.6	0.6	Q	17.9
Manual	22.1	19.5	17.9	1.5	0.7	0.2	0.5	0.7	Q	0.6	1.3	1.0	0.3	12.0
Type														
Upright	16.9	15.2	14.2	0.9	0.5	0.2	0.3	0.4	Q	0.4	0.8	0.7	Q	15.0
Chest	16.5	14.2	12.6	1.6	0.5	0.2	0.3	0.7	Q	0.6	1.1	0.9	0.2	13.8
Age														
Less than 2 Years	2.1	1.5	1.4	0.1	0.2	Q	0.2	0.3	Q	0.2	0.1	Q	Q	30.9
2 to 4 Years	3.4	2.7	2.4	0.3	0.2	Q	0.2	0.3	Q	0.2	0.3	0.3	Q	21.5
5 to 9 Years	6.6	5.6	5.0	0.6	0.2	Q	0.1	0.2	Q	0.2	0.6	0.5	Q	20.6
10 to 19 Years	12.6	11.6	10.6	1.0	0.2	Q	0.2	0.3	Q	0.3	0.5	0.4	Q	17.0
20 Years or More	7.7	7.3	6.9	0.4	Q	Q	Q	Q	Q	Q	0.3	0.2	Q	18.4
Don't Know	0.9	0.7	0.6	0.1	Q	Q	Q	Q	Q	Q	0.2	0.1	Q	38.4
Size														
Very Small (Less than 11 cf)	2.8	2.1	1.8	0.2	0.2	Q	Q	0.3	Q	0.2	0.3	0.2	Q	25.6
Small (11-14 cf)	6.7	5.3	4.8	0.5	0.4	Q	0.3	0.5	Q	0.4	0.6	0.4	Q	18.6
Medium (15-18 cf)	12.1	11.2	10.3	0.9	0.2	Q	0.1	0.3	Q	0.2	0.5	0.5	Q	17.7
Large (19-22 cf)	9.5	8.8	8.1	0.7	0.2	Q	Q	Q	Q	Q	0.4	0.4	Q	17.3
Very Large (23 or More cf)	2.2	2.0	1.8	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.1

See footnotes at end of table.

Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Air-Conditioner	68.4	69.6	72.1	57.4	50.9	63.5	48.0	71.5	86.0	70.0	69.9	73.1	57.9	4.3
Central ¹	43.5	46.6	49.6	31.5	17.0	20.4	16.3	44.3	54.6	43.2	42.8	48.4	21.9	9.1
Electric	43.4	46.5	49.4	31.5	17.0	20.4	16.3	44.0	53.7	43.0	42.8	48.4	21.9	9.1
Without a Heat Pump	31.1	33.3	35.4	22.6	12.5	13.2	12.3	29.0	22.7	29.7	38.5	43.6	19.5	10.8
With a Heat Pump	12.3	13.2	14.0	8.9	4.5	7.0	4.0	15.0	31.0	13.3	4.3	4.8	2.4	19.5
Gas ²	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	114.9
Room ¹	26.6	25.3	25.1	26.6	34.0	43.2	31.9	27.8	35.3	27.0	28.8	26.6	37.4	8.8
1 Unit	17.9	15.6	15.0	18.6	24.6	26.2	24.2	22.2	22.8	22.1	23.7	21.1	33.7	10.5
2 Units	6.5	7.0	7.1	6.7	8.0	13.3	6.7	4.3	Q	4.1	4.5	4.7	Q	19.8
3 or More Units	2.2	2.7	3.0	1.3	Q	Q	Q	1.3	Q	Q	Q	Q	Q	34.9
Clothes Washer	77.1	93.4	96.2	79.4	48.4	78.8	41.5	21.6	53.8	18.2	83.9	88.5	67.0	4.5
Clothes Dryer	71.2	87.8	91.9	67.0	38.6	58.5	34.1	17.5	54.2	13.7	74.8	81.2	50.8	5.4
Electric	56.6	69.0	71.6	56.1	28.6	38.8	26.3	15.2	45.8	12.0	67.7	73.0	47.9	6.5
Natural Gas	13.9	17.9	19.5	10.1	9.9	19.1	7.8	2.3	Q	1.7	5.1	6.0	Q	18.7
LPG	0.7	0.9	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	62.7
Dishwasher	45.2	52.4	56.9	29.6	22.6	30.7	20.8	36.4	73.4	32.5	18.0	21.0	Q	7.3
Fans	91.5	93.6	94.5	88.6	86.8	92.0	85.6	84.5	85.1	84.4	94.2	96.1	87.1	1.6
Ceiling	53.6	61.8	66.2	40.0	36.1	60.5	30.6	28.3	51.8	25.8	54.5	61.1	29.8	5.7
1	23.0	23.3	24.0	19.4	23.2	27.0	22.4	20.2	24.9	19.8	28.2	31.4	16.2	8.5
2	12.4	14.5	15.5	9.2	7.9	18.0	5.6	5.2	14.8	4.2	14.8	16.5	Q	12.1
3 or more	18.2	24.1	26.6	11.4	5.0	15.5	2.6	2.8	12.2	1.8	11.5	13.2	Q	16.4
Exhaust (attic)	9.3	12.8	14.4	4.8	3.0	Q	2.3	Q	Q	Q	2.4	3.0	Q	23.0
Exhaust (other)	57.8	60.7	64.6	41.2	39.8	48.2	37.9	51.6	49.3	51.8	66.0	68.7	55.8	5.1
Portable	51.8	50.8	49.2	58.9	53.8	48.2	55.0	52.1	43.2	53.0	59.9	59.1	62.8	4.5
Whole-House	4.2	5.8	6.5	2.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	21.7
Window	13.4	13.7	12.7	18.4	21.3	17.3	22.2	8.0	Q	8.4	14.1	14.6	12.2	11.9
Freezer	34.5	43.9	48.2	22.4	12.4	22.2	10.1	6.9	9.7	6.6	33.8	36.4	24.3	9.4
1	30.5	38.6	42.4	19.6	11.5	18.7	9.9	6.5	Q	6.4	30.7	33.3	21.0	9.2
2 or more	4.0	5.3	5.8	2.8	Q	Q	Q	Q	Q	Q	3.1	3.1	Q	26.7
Defrost Method														
Frost-Free	11.6	14.8	16.0	8.5	3.7	Q	2.9	2.5	Q	2.6	11.3	13.7	Q	16.9
Manual	22.9	29.2	32.2	14.0	8.6	14.8	7.2	4.4	Q	4.0	22.5	22.7	21.9	11.1
Type														
Upright	17.4	22.7	25.5	8.4	6.1	11.4	4.9	2.6	Q	2.4	13.8	15.4	Q	14.0
Chest	17.1	21.2	22.7	14.1	6.3	10.7	5.3	4.3	Q	4.2	20.0	21.0	16.2	12.9
Age														
Less than 2 Years	2.2	2.3	2.5	1.2	2.7	Q	2.3	1.7	Q	1.6	1.8	Q	Q	29.5
2 to 4 Years	3.5	4.0	4.3	2.7	2.5	Q	2.6	1.6	Q	1.4	5.2	5.7	Q	20.6
5 to 9 Years	6.8	8.4	9.0	5.2	3.0	Q	2.3	1.2	Q	1.1	10.6	11.2	Q	20.0
10 to 19 Years	13.0	17.3	19.0	8.7	3.1	Q	2.6	1.9	Q	2.1	8.1	9.1	Q	16.3
20 Years or More	8.0	10.9	12.4	3.5	Q	Q	Q	Q	Q	Q	5.2	5.3	Q	17.7
Don't Know	0.9	1.0	1.0	1.1	Q	Q	Q	Q	Q	Q	2.9	2.9	Q	37.4
Size														
Very Small (Less than 11 cf)	2.9	3.1	3.3	2.3	2.0	Q	Q	1.8	Q	1.6	4.5	5.2	Q	24.7
Small (11-14 cf)	6.9	7.9	8.5	4.8	5.0	Q	4.5	2.8	Q	2.9	10.3	9.7	Q	17.5
Medium (15-18 cf)	12.6	16.7	18.5	7.7	2.5	Q	1.9	1.6	Q	1.5	9.5	10.4	Q	16.6
Large (19-22 cf)	9.9	13.2	14.6	6.1	2.3	Q	Q	Q	Q	Q	7.7	8.7	Q	16.9
Very Large (23 or More cf)	2.3	3.0	3.3	1.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.0

See footnotes at end of table.

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Multifamily									Mobile Home			
		Single-Family			Two to Four Units			Five or More Units			Total	Own		Rent
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
Heaters (other)														
Hot Tub or Spa	2.8	2.8	2.6	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	27.1
Electric	1.9	1.9	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.9
Natural Gas	0.7	0.7	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	49.3
LPG/Other	0.2	0.2	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.2
Portable Space	11.8	9.2	7.8	1.4	0.8	0.2	0.5	0.9	Q	0.9	0.9	0.6	0.3	14.5
Electric	9.8	7.6	6.5	1.1	0.6	0.2	0.4	0.9	Q	0.9	0.7	0.4	0.2	15.1
Kerosene	2.3	1.9	1.6	0.3	Q	Q	Q	Q	Q	Q	0.3	0.1	Q	36.6
Swimming Pool	0.8	0.8	0.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	53.8
Natural Gas	0.5	0.5	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	79.1
Electric/LPG/Other	0.4	0.4	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	77.0
Waterbed Heaters	11.9	9.5	8.0	1.5	0.6	Q	0.5	0.8	Q	0.7	0.9	0.8	0.2	13.6
1	9.7	7.6	6.4	1.2	0.5	Q	0.4	0.8	Q	0.7	0.8	0.6	0.2	14.2
2 or More	2.2	1.9	1.6	0.3	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	30.9
Waterbed Heaters Used All Year	9.9	7.9	6.6	1.3	0.5	Q	0.4	0.7	Q	0.7	0.7	0.6	Q	14.7
1	8.2	6.4	5.4	1.0	0.4	Q	0.3	0.7	Q	0.6	0.6	0.5	Q	15.4
2 or More	1.7	1.5	1.2	0.3	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	34.2
Office Equipment														
Facsimile Machine	23.3	18.1	16.1	2.0	1.3	0.4	1.0	3.3	0.5	2.8	0.6	0.5	Q	11.5
Facsimile Machine	2.9	2.2	1.9	0.3	Q	Q	Q	0.5	Q	0.4	Q	Q	Q	25.1
Laser Printer	5.3	4.2	3.8	0.4	0.3	Q	0.2	0.7	Q	0.6	Q	Q	Q	19.1
Personal Computer	22.6	17.5	15.5	2.0	1.3	0.3	1.0	3.1	0.5	2.7	0.6	0.5	Q	11.7
Photocopier	1.5	1.4	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.3
Oven														
Electric	94.3	65.6	54.9	10.7	7.6	1.4	6.2	15.7	1.5	14.2	5.4	4.3	1.1	5.9
Electric	59.4	42.8	36.7	6.1	3.7	0.5	3.2	10.3	1.1	9.2	2.6	2.0	0.6	8.8
Natural Gas	30.7	20.2	16.0	4.1	3.8	0.9	3.0	5.4	0.4	5.0	1.3	1.2	0.1	10.6
LPG	4.2	2.7	2.1	0.5	Q	Q	Q	Q	Q	Q	1.4	1.1	0.4	21.7
Pumps (Electric)														
Hot Tub or Spa	18.2	16.7	15.2	1.5	0.2	Q	Q	Q	Q	Q	1.3	1.1	0.3	15.3
Hot Tub or Spa	2.8	2.8	2.6	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	27.1
Swimming Pool	4.6	4.5	4.3	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	27.0
Well Water	13.0	11.5	10.3	1.2	0.2	Q	Q	Q	Q	Q	1.2	0.9	0.3	17.6
Range														
Electric	96.1	66.7	55.7	11.0	7.9	1.5	6.4	16.0	1.6	14.4	5.5	4.4	1.2	5.8
Electric	59.3	42.5	36.4	6.1	3.8	0.5	3.3	10.5	1.2	9.3	2.6	2.0	0.6	8.7
Natural Gas	32.2	21.3	17.0	4.3	4.0	0.9	3.1	5.4	0.4	5.0	1.4	1.3	0.2	10.6
LPG	4.6	2.9	2.3	0.6	0.1	Q	Q	Q	Q	Q	1.5	1.1	0.4	21.9

See footnotes at end of table.

Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1	
Heaters (other)														
Hot Tub or Spa	2.9	4.1	4.6	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	25.3
Electric	2.0	2.8	3.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.2
Natural Gas	0.7	1.0	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.9
LPG/Other	0.2	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.2
Portable Space	12.2	13.7	14.0	12.5	9.6	14.8	8.4	5.6	Q	5.9	16.2	13.4	26.7	13.4
Electric	10.1	11.4	11.7	9.8	7.8	11.6	6.9	5.6	Q	5.9	11.9	10.2	18.2	14.2
Kerosene	2.4	2.9	2.9	3.1	Q	Q	Q	Q	Q	Q	4.6	3.2	Q	35.9
Swimming Pool	0.9	1.2	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.5
Natural Gas	0.5	0.7	0.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	71.5
Electric/LPG/Other	0.4	0.5	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	69.2
Waterbed Heaters	12.3	14.2	14.3	13.6	7.6	Q	8.0	5.2	Q	5.1	16.8	17.2	15.6	12.2
1	10.0	11.4	11.4	11.0	6.1	Q	6.1	4.7	Q	4.8	14.8	14.6	15.6	13.0
2 or More	2.3	2.8	2.9	2.6	Q	Q	Q	Q	Q	Q	2.0	2.6	Q	30.1
Waterbed Heaters Used All Year	10.3	11.9	11.9	11.8	6.4	Q	6.5	4.5	Q	4.5	13.4	13.9	Q	13.2
1	8.5	9.6	9.7	9.4	5.4	Q	5.3	4.2	Q	4.4	11.5	11.5	Q	14.1
2 or More	1.8	2.2	2.2	2.3	Q	Q	Q	Q	Q	Q	1.9	2.5	Q	33.4
Office Equipment														
Facsimile Machine	24.2	27.2	28.9	18.2	16.7	23.8	15.1	20.1	29.8	19.0	10.9	12.1	Q	9.6
Laser Printer	3.0	3.3	3.5	2.5	Q	Q	Q	3.3	Q	2.8	Q	Q	Q	22.8
Personal Computer	5.5	6.3	6.8	4.0	3.3	Q	2.4	4.3	Q	4.4	Q	Q	Q	17.7
Photocopier	23.3	26.2	27.9	18.0	16.0	22.1	14.6	19.3	29.8	18.2	10.7	12.0	Q	9.8
1	1.6	2.1	2.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	29.3
Oven														
Electric	97.6	98.2	98.4	97.2	94.9	94.8	95.0	96.9	98.4	96.8	96.6	97.4	93.6	NE
Natural Gas	61.5	64.1	65.9	55.1	46.1	34.9	48.7	63.5	73.8	62.4	47.0	46.1	50.4	5.7
LPG	31.8	30.2	28.7	37.5	48.1	59.4	45.5	32.9	24.6	33.8	24.2	27.3	12.6	9.3
1	4.3	4.0	3.8	4.6	Q	Q	Q	Q	Q	Q	25.8	24.5	30.6	21.0
Pumps (Electric)														
Hot Tub or Spa	18.8	25.0	27.2	13.5	2.6	Q	Q	Q	Q	Q	23.6	24.1	21.8	13.9
Swimming Pool	2.9	4.1	4.6	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	25.3
Well Water	4.8	6.7	7.7	Q	Q	Q	Q	Q	Q	Q	2.6	3.2	Q	26.7
1	13.4	17.3	18.5	11.1	2.6	Q	Q	Q	Q	Q	21.1	21.0	21.4	16.1
Range														
Electric	99.4	99.8	99.8	99.5	99.1	100.0	98.9	98.4	100.0	98.2	99.2	99.3	98.9	NE
Natural Gas	61.4	63.6	65.3	55.0	47.5	36.1	50.2	64.7	75.8	63.5	45.9	44.9	49.6	5.7
LPG	33.3	31.9	30.5	39.1	50.3	62.4	47.6	33.3	24.2	34.2	25.8	28.5	15.7	9.2
1	4.7	4.3	4.1	5.5	1.7	Q	Q	Q	Q	Q	27.5	25.8	33.6	21.0

See footnotes at end of table.

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
Refrigerators	96.5	66.7	55.7	11.0	8.0	1.5	6.5	16.2	1.6	14.6	5.6	4.4	1.2	5.8
1	82.1	53.3	43.3	10.0	7.7	1.3	6.4	15.8	1.5	14.4	5.3	4.2	1.1	5.9
2 or More	14.4	13.5	12.4	1.0	0.3	0.2	0.1	0.3	Q	0.2	0.2	0.2	Q	18.4
Defrost Method														
Frost-Free	81.8	60.3	51.6	8.7	5.9	1.3	4.6	11.4	1.5	9.9	4.2	3.3	0.8	6.3
Manual	14.7	6.4	4.2	2.3	2.1	0.2	1.9	4.8	Q	4.7	1.4	1.1	0.3	12.1
Type														
2-Doors (top and bottom)	71.3	47.9	39.3	8.6	6.1	1.1	5.0	12.5	1.2	11.4	4.7	3.8	1.0	6.6
2-Doors (side-by-side)	16.6	15.0	13.8	1.3	0.5	0.3	0.2	0.7	0.3	0.4	0.3	0.3	Q	15.3
Regular (single door)	7.9	3.4	2.3	1.1	1.3	Q	1.2	2.7	Q	2.7	0.5	0.3	0.2	15.5
Half-Size/Other	0.8	0.4	0.4	Q	Q	Q	Q	0.2	Q	0.2	Q	Q	Q	47.8
Age														
Less than 2 Years	11.9	8.3	7.0	1.3	0.6	Q	0.5	2.3	0.2	2.1	0.6	0.5	Q	14.2
2 to 4 Years	16.2	12.0	10.1	1.8	1.3	0.3	0.9	2.1	0.3	1.8	0.9	0.8	Q	11.5
5 to 9 Years	28.1	20.4	17.3	3.1	2.0	0.6	1.5	3.9	0.5	3.4	1.7	1.4	0.3	9.7
10 to 19 Years	24.9	18.9	16.0	3.0	2.0	0.4	1.6	2.6	0.4	2.3	1.3	0.9	0.4	10.5
20 Years or More	7.0	5.2	4.4	0.7	0.6	Q	0.6	0.8	Q	0.7	0.4	0.4	Q	16.8
Don't Know	8.3	1.9	0.9	1.1	1.4	Q	1.4	4.4	Q	4.3	0.6	0.3	0.3	15.2
Size														
Very Small (Less than 11 cf)	1.3	0.5	0.3	0.2	0.2	Q	0.2	0.5	Q	0.5	Q	Q	Q	37.9
Small (11-14 cf)	8.9	3.9	2.7	1.1	1.0	Q	0.9	3.5	0.2	3.3	0.6	0.5	0.1	14.7
Medium (15-18 cf)	52.4	33.5	27.1	6.4	5.0	0.9	4.1	10.3	0.9	9.3	3.6	2.8	0.8	7.4
Large (19-22 cf)	30.0	25.3	22.2	3.1	1.7	0.5	1.2	1.8	0.4	1.4	1.2	1.0	0.2	9.8
Very Large (23 or More cf)	3.9	3.6	3.4	0.2	0.1	Q	Q	0.1	Q	Q	Q	Q	Q	31.1
Through-the-Door Ice Service														
Yes	10.1	9.3	8.8	0.5	0.3	Q	Q	0.3	Q	0.2	0.2	0.1	Q	21.6
No	86.3	57.4	46.9	10.5	7.7	1.3	6.3	15.9	1.4	14.5	5.4	4.3	1.2	6.0
Television Sets	95.4	66.1	55.3	10.9	7.9	1.5	6.4	16.0	1.5	14.4	5.5	4.4	1.1	5.8
Color	94.4	65.7	55.0	10.6	7.8	1.5	6.3	15.5	1.5	14.0	5.4	4.4	1.0	5.9
1	39.2	21.9	16.9	5.0	4.4	0.5	4.0	9.7	0.6	9.1	3.2	2.3	0.8	7.5
2	35.2	26.0	22.1	3.9	2.7	0.8	1.9	4.8	0.8	4.0	1.7	1.6	0.2	9.0
3	14.3	12.5	11.0	1.5	0.6	0.2	0.4	0.8	Q	0.7	0.4	0.3	Q	14.7
4	4.2	3.8	3.6	0.2	Q	Q	Q	0.2	Q	Q	Q	Q	Q	23.4
5 or More	1.5	1.5	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	30.3
Black/White	19.0	14.3	11.9	2.4	1.2	0.2	1.0	2.4	0.2	2.2	1.1	0.8	0.3	10.6
1	16.9	12.5	10.4	2.1	1.1	0.2	1.0	2.3	0.2	2.1	1.0	0.7	0.3	11.0
2 or More	2.1	1.8	1.5	0.3	Q	Q	Q	0.1	Q	0.1	Q	Q	Q	33.7

See footnotes at end of table.

Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Appliance Type and Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own	Rent	
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1	
Refrigerators	99.8	99.9	99.9	99.7	99.5	100.0	99.4	99.7	100.0	99.6	100.0	100.0	100.0	NE
1	85.0	79.7	77.6	90.2	95.8	87.4	97.7	97.6	94.3	97.9	95.6	95.5	95.8	1.3
2 or More	14.9	20.2	22.3	9.5	3.7	12.6	1.7	2.1	Q	1.7	4.4	4.5	Q	17.1
Defrost Method														
Frost-Free	84.6	90.2	92.5	79.1	73.7	89.3	70.2	70.3	95.1	67.7	74.5	75.2	71.9	2.7
Manual	15.2	9.6	7.5	20.6	25.8	10.7	29.3	29.4	Q	32.0	25.5	24.8	28.1	10.1
Type														
2-Doors (top and bottom)	73.7	71.7	70.4	78.2	75.9	74.9	76.1	77.1	74.2	77.4	85.1	85.5	83.6	2.6
1	17.1	22.5	24.7	11.4	6.3	17.7	3.7	4.4	21.8	2.5	5.6	6.6	Q	14.8
Regular (single door)	8.2	5.0	4.1	9.9	16.2	Q	18.7	16.7	Q	18.1	8.9	7.4	14.9	14.3
Half-Size/Other	0.8	0.6	0.7	Q	Q	Q	Q	1.4	Q	1.5	Q	Q	Q	43.6
Age														
Less than 2 Years	12.3	12.5	12.5	12.1	7.8	Q	8.0	14.0	13.0	14.1	11.3	12.3	Q	13.2
2 to 4 Years	16.8	17.9	18.2	16.7	15.6	23.3	13.9	12.9	17.5	12.4	15.8	18.7	Q	10.9
5 to 9 Years	29.1	30.5	31.1	27.8	25.4	37.7	22.6	24.3	32.6	23.4	31.2	32.5	26.3	7.8
10 to 19 Years	25.8	28.3	28.6	26.8	25.3	26.1	25.1	16.3	24.6	15.4	23.0	20.9	30.8	8.8
20 Years or More	7.3	7.7	8.0	6.5	7.8	Q	8.5	5.0	Q	4.6	7.9	8.6	Q	15.3
Don't Know	8.6	2.9	1.5	9.8	17.6	Q	21.4	27.2	Q	29.6	10.8	6.8	25.5	13.0
Size														
Very Small (Less than 11 cf)	1.3	0.7	0.5	1.6	2.4	Q	2.6	3.1	Q	3.4	Q	Q	Q	35.9
Small (11-14 cf)	9.2	5.8	4.9	10.0	12.1	Q	13.7	21.3	11.1	22.4	11.0	10.7	12.1	13.9
Medium (15-18 cf)	54.3	50.2	48.6	57.9	62.5	59.0	63.3	63.3	60.4	63.6	65.4	64.6	68.3	4.1
Large (19-22 cf)	31.0	37.9	39.7	28.5	21.0	30.5	18.9	11.1	24.6	9.6	21.2	22.1	17.7	8.9
Very Large (23 or More cf)	4.0	5.4	6.1	1.7	1.5	Q	Q	0.9	Q	Q	Q	Q	Q	29.2
Through-the-Door Ice Service														
Yes	10.5	14.0	15.8	4.7	3.9	Q	Q	2.0	Q	1.2	3.0	3.3	Q	20.8
No	89.3	85.9	84.1	95.0	95.6	90.1	96.9	97.7	90.3	98.5	97.0	96.7	98.1	1.1
Television Sets	98.8	98.9	99.1	98.3	98.5	99.1	98.4	98.3	99.7	98.2	98.3	99.4	94.2	NE
Color	97.7	98.3	98.7	96.3	97.7	99.1	97.4	95.7	98.9	95.4	96.6	99.2	86.6	1.1
1	40.5	32.8	30.2	45.6	55.5	30.7	61.1	59.6	36.0	62.1	56.9	53.3	70.5	4.9
2	36.4	38.9	39.7	35.2	33.2	51.1	29.1	29.6	48.4	27.6	30.9	35.6	13.1	6.4
3	14.8	18.7	19.8	13.4	8.0	13.6	6.8	5.1	Q	4.8	6.3	7.5	Q	13.8
4	4.3	5.7	6.5	1.7	Q	Q	Q	1.4	Q	Q	Q	Q	Q	20.9
5 or More	1.6	2.2	2.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	27.0
Black/White	19.6	21.4	21.3	21.4	15.1	13.0	15.6	14.8	10.5	15.3	19.4	17.7	25.5	9.8
1	17.5	18.7	18.6	19.1	14.1	12.0	14.6	13.9	9.8	14.4	18.2	16.6	24.0	10.2
2 or More	2.2	2.7	2.8	2.4	Q	Q	Q	0.9	Q	0.9	Q	Q	Q	31.2

See footnotes at end of table.

**Table 3.18a. Appliances by Type and Ownership of Housing Unit,
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Multifamily									Mobile Home			
		Single-Family			Two to Four Units			Five or More Units			Total	Own	Rent	
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.3	0.9	1.2	2.0	1.4	1.0	3.0	1.1	1.2	1.3	2.1	
Water Heaters³	95.5	65.8	55.0	10.8	8.0	1.5	6.5	16.2	1.6	14.7	5.5	4.4	1.2	5.9
Electric	37.1	24.1	20.3	3.8	2.5	0.3	2.3	6.5	0.8	5.7	4.0	3.1	0.9	10.8
For One Housing Unit	35.8	24.0	20.2	3.8	2.3	0.2	2.0	5.5	0.8	4.7	4.0	3.1	0.9	11.2
For Two or More Units ⁴	1.3	Q	Q	Q	0.3	Q	0.2	1.0	Q	0.9	Q	Q	Q	28.0
Natural Gas	51.2	36.9	30.4	6.5	4.8	1.0	3.9	8.3	0.6	7.7	1.1	1.0	0.1	9.5
For One Housing Unit	44.0	36.8	30.4	6.4	2.9	0.8	2.1	3.2	0.3	2.9	1.1	1.0	0.1	11.4
For Two or More Units ⁴	7.2	0.1	Q	0.1	2.0	0.2	1.8	5.1	0.3	4.8	Q	Q	Q	18.4
Fuel Oil	4.0	2.1	1.9	0.2	0.6	0.2	0.3	1.3	Q	1.2	Q	Q	Q	21.7
For One Housing Unit	2.2	2.1	1.9	0.2	0.1	Q	Q	Q	Q	Q	Q	Q	Q	31.3
For Two or More Units ⁴	1.8	Q	Q	Q	0.4	Q	0.3	1.3	Q	1.2	Q	Q	Q	21.8
LPG	2.8	2.3	2.0	0.3	Q	Q	Q	Q	Q	Q	0.4	0.2	0.1	31.2
Other	0.4	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	73.3
Water Heater (for one housing unit)														
Age														
Less than 2 Years	11.4	8.9	7.8	1.1	0.5	Q	0.5	1.2	Q	1.1	0.8	0.7	Q	16.5
2 to 4 Years	13.9	11.7	10.4	1.3	0.7	0.3	0.5	0.6	Q	0.5	0.9	0.8	Q	13.7
5 to 9 Years	21.4	17.1	14.7	2.4	1.2	0.4	0.8	1.6	0.3	1.4	1.5	1.3	0.2	12.3
10 to 19 Years	19.5	15.6	13.5	2.0	1.0	0.2	0.8	1.8	0.3	1.5	1.1	0.9	0.2	12.7
20 Years or More	7.5	6.2	5.5	0.8	0.4	0.1	0.3	0.5	Q	0.4	0.4	0.3	Q	20.3
Don't Know	11.3	6.0	3.0	3.0	1.4	Q	1.3	3.0	Q	2.9	0.8	0.4	0.4	14.0
Size														
Small	17.7	10.9	8.7	2.2	1.5	0.3	1.3	2.9	Q	2.7	2.4	1.8	0.6	10.8
Medium	44.1	35.3	29.3	6.0	2.4	0.5	1.9	4.1	0.6	3.6	2.3	2.0	0.3	9.6
Large	18.0	16.0	14.7	1.4	0.7	0.2	0.4	0.7	Q	0.5	0.5	0.5	Q	16.3
Don't Know	5.2	3.2	2.2	1.0	0.7	Q	0.6	1.0	Q	0.9	0.3	0.2	Q	19.8
Other Appliances														
Electric														
Air Cleaner	5.4	4.2	3.9	0.3	0.3	Q	0.3	0.5	Q	0.4	0.3	0.3	Q	21.7
Aquarium	4.1	3.2	2.7	0.4	0.3	Q	0.2	0.4	Q	0.4	0.2	0.2	Q	21.9
Dehumidifier	9.1	8.6	8.2	0.4	0.2	Q	0.1	Q	Q	Q	Q	Q	Q	20.0
Evaporative Cooler	2.7	2.1	1.7	0.5	Q	Q	Q	Q	Q	Q	0.5	0.4	Q	32.2
Humidifier	13.7	10.8	9.5	1.2	0.8	0.2	0.6	1.4	0.3	1.2	0.6	0.5	Q	13.0
Microwave Oven	81.3	59.5	50.7	8.8	6.0	1.2	4.9	11.0	1.4	9.6	4.8	4.0	0.8	6.4
Toaster Oven	27.5	20.0	17.3	2.7	2.0	0.5	1.5	4.3	0.7	3.6	1.3	1.0	0.3	9.5
Outdoor Gas Light ²	0.5	0.5	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.3
Outdoor Grill	27.5	24.4	22.4	1.9	0.9	0.3	0.6	0.9	0.3	0.6	1.4	1.2	0.2	11.9
Natural Gas	2.8	2.7	2.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	29.5
LPG	24.8	21.6	19.7	1.9	0.9	0.3	0.6	0.9	0.3	0.6	1.4	1.2	0.2	12.2

¹ An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

² Gas includes LPG and natural gas.

³ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁴ An unknown number may be heated by the space-heating system.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.18b. Appliances by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Appliance Type and Characteristics	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Multifamily									Mobile Home			
		Single-Family			Two to Four Units			Five or More Units			Total	Own		Rent
		Total	Own	Rent	Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.4	0.4	0.9	1.2	2.0	1.4	1.1	2.5	1.1	1.0	1.1	2.1	
Water Heaters³	98.9	98.5	98.7	97.6	99.5	98.3	99.7	99.9	100.0	99.9	99.3	99.4	98.9	NE
Electric	38.4	36.1	36.4	34.6	31.6	16.9	34.9	39.9	51.4	38.7	72.1	71.2	75.3	8.0
For One Housing Unit	37.0	35.9	36.2	34.5	28.4	16.4	31.1	33.9	48.4	32.3	72.1	71.2	75.3	8.4
For Two or More Units ⁴	1.4	Q	Q	Q	3.2	Q	3.8	6.0	Q	6.3	Q	Q	Q	26.7
Natural Gas	53.0	55.3	54.6	59.1	60.3	65.2	59.2	51.0	38.8	52.3	20.1	22.5	11.2	8.1
For One Housing Unit	45.5	55.1	54.5	57.9	36.0	51.8	32.3	19.5	17.9	19.6	20.1	22.5	11.2	10.2
For Two or More Units ⁴	7.5	0.2	Q	1.2	24.4	13.3	26.9	31.5	20.9	32.6	Q	Q	Q	17.2
Fuel Oil	4.1	3.2	3.5	1.6	6.9	14.7	5.1	8.1	Q	8.0	Q	Q	Q	20.8
For One Housing Unit	2.3	3.1	3.4	1.5	1.4	Q	Q	Q	Q	Q	Q	Q	Q	29.3
For Two or More Units ⁴	1.9	Q	Q	Q	5.5	Q	4.2	8.1	Q	8.0	Q	Q	Q	21.4
LPG	2.9	3.4	3.7	2.3	Q	Q	Q	Q	Q	Q	6.7	5.4	11.5	30.8
Other	0.5	0.5	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	65.9
Water Heater (for one housing unit)														
Age														
Less than 2 Years	11.8	13.3	14.0	9.9	6.5	Q	7.6	7.5	Q	7.5	13.6	15.3	Q	14.9
2 to 4 Years	14.4	17.5	18.6	11.6	9.3	18.2	7.3	3.8	Q	3.6	15.5	17.6	Q	12.3
5 to 9 Years	22.2	25.6	26.4	21.6	14.6	24.2	12.4	10.1	18.2	9.2	27.2	29.2	19.7	10.6
10 to 19 Years	20.1	23.3	24.3	18.6	12.3	12.1	12.3	10.8	18.4	10.0	20.5	20.7	19.5	11.7
20 Years or More	7.8	9.3	9.8	6.9	5.2	9.0	4.3	2.9	Q	2.4	7.2	6.5	Q	19.3
Don't Know	11.7	9.0	5.3	27.6	17.9	Q	20.5	18.4	Q	19.4	15.0	10.1	33.6	12.1
Size														
Small	18.3	16.4	15.6	20.1	18.9	17.7	19.2	17.7	Q	18.6	42.7	39.9	53.2	8.7
Medium	45.6	52.9	52.5	54.5	29.9	32.6	29.3	25.4	35.6	24.3	41.0	44.3	28.2	7.3
Large	18.6	24.0	26.3	12.4	8.6	16.5	6.8	4.2	15.0	3.1	9.7	10.3	Q	15.1
Don't Know	5.4	4.8	4.0	9.1	8.5	Q	9.3	6.3	Q	6.2	5.5	4.8	Q	18.7
Other Appliances														
Electric														
Air Cleaner	5.5	6.3	6.9	2.8	4.0	Q	3.9	3.3	Q	2.7	5.8	6.5	Q	20.4
Aquarium	4.3	4.8	4.9	4.0	3.7	Q	3.8	2.5	Q	2.6	4.4	4.6	Q	20.6
Dehumidifier	9.4	12.9	14.6	3.9	2.5	Q	2.1	Q	Q	Q	Q	Q	Q	18.8
Evaporative Cooler	2.8	3.2	3.0	4.2	Q	Q	Q	Q	Q	Q	8.9	9.4	Q	31.2
Humidifier	14.1	16.2	17.1	11.3	10.1	16.4	8.7	8.8	16.5	8.0	11.0	11.9	Q	12.5
Microwave Oven	84.1	89.0	90.9	79.5	75.1	77.9	74.5	67.9	91.4	65.4	85.9	90.6	68.5	2.4
Toaster Oven	28.5	29.9	31.1	24.2	24.6	34.0	22.4	26.6	43.5	24.8	22.5	22.5	22.6	7.5
Outdoor Gas Light ²	0.6	0.8	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.9
Outdoor Grill	28.5	36.5	40.2	17.6	11.6	21.4	9.3	5.3	17.2	4.1	24.8	27.9	13.0	10.5
Natural Gas	2.9	4.1	4.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	26.1
LPG	25.7	32.4	35.4	17.3	11.4	20.5	9.3	5.3	16.8	4.1	24.8	27.9	13.0	10.8

¹ An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

² Gas includes LPG and natural gas.

³ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁴ An unknown number may be heated by the space-heating system.

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.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.19a. Appliances by Family Income, Million U.S. Households, 1993

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Total	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.4
Air-Conditioner	66.1	2.5	6.4	6.7	11.8	10.0	12.8	15.9	8.2	11.5	18.5	4.6
Central ²	42.1	1.1	2.8	3.3	6.9	7.0	8.6	12.4	3.3	4.8	8.5	7.0
Electric	41.9	1.1	2.7	3.3	6.9	7.0	8.6	12.4	3.3	4.7	8.4	7.0
Without a Heat Pump	30.1	0.8	1.9	2.5	5.2	5.0	6.1	8.6	2.4	3.4	5.9	8.0
With a Heat Pump	11.9	0.3	0.9	0.8	1.7	1.9	2.5	3.8	1.0	1.3	2.5	13.4
Gas ³	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	87.3
Room ²	25.7	1.4	3.7	3.5	5.1	3.5	4.5	4.0	5.0	7.0	10.3	6.7
1 Unit	17.3	1.1	3.0	2.6	3.3	2.5	2.8	2.2	3.8	5.2	7.6	7.8
2 Units	6.3	0.3	0.6	0.7	1.4	0.8	1.4	1.1	0.9	1.4	2.1	14.3
3 or More Units	2.2	Q	Q	0.2	0.4	0.2	0.4	0.7	0.3	0.4	0.6	23.2
Clothes Washer	74.5	1.9	5.9	7.1	13.6	11.8	14.9	19.3	8.2	11.6	19.2	4.0
Clothes Dryer	68.8	1.4	4.6	5.9	12.5	11.3	14.4	18.7	6.1	8.9	15.4	4.2
Electric	54.7	1.1	3.9	4.7	10.1	9.1	11.6	14.2	4.9	7.2	12.4	4.8
Natural Gas	13.4	0.3	0.7	1.1	2.3	2.0	2.6	4.5	1.1	1.6	2.9	12.2
LPG	0.7	Q	Q	Q	Q	0.2	0.2	Q	Q	Q	0.2	40.7
Dishwasher	43.7	0.7	1.2	2.7	6.3	7.0	10.3	15.5	2.1	3.2	6.1	6.5
Fans	88.4	3.3	9.2	10.1	16.5	13.0	16.5	19.8	12.4	16.8	27.1	3.6
Ceiling	51.8	1.2	3.7	5.1	9.5	8.3	10.9	13.3	5.0	7.4	12.8	5.1
1	22.3	0.8	2.2	2.6	4.3	3.6	4.1	4.6	3.0	4.2	6.8	7.3
2	12.0	0.2	0.8	1.2	2.3	1.6	2.8	3.0	0.9	1.6	2.9	9.9
3 or more	17.6	Q	0.7	1.2	2.8	3.0	4.0	5.7	1.0	1.7	3.0	9.6
Exhaust (attic)	9.0	Q	0.4	0.5	1.4	1.4	2.0	3.4	0.4	0.6	1.1	14.2
Exhaust (other)	55.8	1.5	4.3	5.1	9.4	8.9	11.9	14.7	5.6	7.8	13.5	5.1
Portable	50.0	2.3	6.2	6.5	9.6	7.1	8.5	9.7	8.5	11.5	17.5	4.7
Whole-House	4.1	Q	0.2	0.2	0.6	0.6	0.9	1.5	0.2	0.3	0.6	21.3
Window	12.9	0.8	1.4	1.7	2.9	1.8	2.2	2.2	2.4	3.4	5.0	8.9
Freezer	33.4	0.9	2.7	3.1	6.3	5.1	6.8	8.5	3.7	5.5	8.5	5.9
1	29.5	0.9	2.5	2.7	5.5	4.7	6.0	7.2	3.4	5.0	7.7	6.2
2 or more	3.8	Q	0.3	0.4	0.8	0.5	0.8	1.2	0.3	0.5	0.8	18.7
Defrost Method												
Frost-Free	11.2	0.2	0.7	0.9	1.8	1.5	2.6	3.4	1.0	1.4	2.5	10.4
Manual	22.1	0.7	2.0	2.2	4.5	3.6	4.2	5.1	2.7	4.0	6.0	7.4
Type												
Upright	16.9	0.3	1.0	1.3	3.0	2.5	3.6	5.2	1.2	2.1	3.6	9.3
Chest	16.5	0.6	1.7	1.8	3.3	2.6	3.2	3.3	2.5	3.4	4.9	7.9
Age												
Less than 2 Years	2.1	Q	0.2	0.2	0.4	0.2	0.5	0.5	0.4	0.5	0.7	21.4
2 to 4 Years	3.4	0.2	0.3	0.3	0.6	0.4	0.6	0.9	0.5	0.7	0.9	15.3
5 to 9 Years	6.6	0.2	0.6	0.7	1.2	1.1	1.4	1.5	0.7	1.0	1.7	13.9
10 to 19 Years	12.6	0.3	0.8	1.1	2.3	2.0	2.5	3.5	1.1	1.7	2.8	9.2
20 Years or More	7.7	0.2	0.7	0.8	1.6	1.1	1.5	1.8	0.9	1.4	2.0	13.2
Don't Know	0.9	Q	Q	Q	0.2	0.2	0.1	0.2	Q	0.2	0.3	29.2
Size												
Very Small (Less than 11 cf)	2.8	Q	0.4	0.3	0.5	0.4	0.5	0.6	0.4	0.5	0.9	19.0
Small (11-14 cf)	6.7	0.2	0.8	0.7	1.4	1.0	1.2	1.4	1.2	1.6	2.2	11.8
Medium (15-18 cf)	12.1	0.2	0.8	1.1	2.3	1.7	2.7	3.3	0.9	1.5	2.6	9.7
Large (19-22 cf)	9.5	0.3	0.7	0.8	1.6	1.6	1.9	2.7	1.0	1.5	2.3	11.8
Very Large (23 or More cf)	2.2	Q	Q	0.2	0.5	0.4	0.5	0.5	0.2	0.3	0.5	22.8

See footnotes at end of table.

**Table 3.19b. Appliances by Family Income,
Percent of U.S. Households, 1993**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Air-Conditioner	68.4	62.1	60.0	60.3	64.4	71.4	73.2	75.8	57.0	59.5	60.2	3.0
Central ²	43.5	27.7	26.0	29.7	37.6	49.5	49.2	59.2	23.3	24.6	27.6	5.9
Electric	43.4	27.7	25.8	29.5	37.5	49.5	49.1	59.0	23.1	24.5	27.4	5.9
Without a Heat Pump	31.1	19.4	17.6	22.2	28.5	35.8	34.8	41.1	16.5	17.8	19.4	7.3
With a Heat Pump	12.3	8.3	8.1	7.3	9.1	13.7	14.3	18.0	6.7	6.7	8.1	12.8
Gas ³	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	81.1
Room ²	26.6	34.7	35.0	31.4	27.6	25.1	26.0	19.0	34.6	35.9	33.6	5.7
1 Unit	17.9	26.0	28.4	23.1	18.0	17.5	15.9	10.3	26.1	26.9	24.8	7.0
2 Units	6.5	6.7	5.9	6.3	7.5	6.0	7.9	5.2	6.4	7.0	6.8	14.1
3 or More Units	2.2	Q	Q	2.0	2.2	1.6	2.3	3.5	2.0	2.0	2.0	22.7
Clothes Washer	77.1	47.9	55.6	63.6	74.2	83.8	85.1	92.0	57.0	59.7	62.6	2.6
Clothes Dryer	71.2	33.8	43.4	52.7	68.1	80.7	82.3	89.2	42.3	45.9	50.4	3.0
Electric	56.6	27.1	36.6	42.1	55.1	65.1	66.2	67.5	34.3	37.0	40.5	4.0
Natural Gas	13.9	6.5	6.8	10.1	12.4	14.3	14.7	21.3	7.7	8.3	9.4	11.8
LPG	0.7	Q	Q	Q	Q	1.3	1.4	Q	Q	Q	0.5	40.0
Dishwasher	45.2	17.1	11.4	24.1	34.4	49.8	58.9	74.1	14.8	16.5	19.8	5.5
Fans	91.5	81.4	87.2	90.9	89.8	92.5	94.3	94.4	85.9	86.8	88.3	1.3
Ceiling	53.6	28.5	35.0	45.6	51.5	58.9	62.3	63.3	34.6	38.1	41.6	3.9
1	23.0	20.4	21.0	23.4	23.6	25.8	23.4	21.8	20.8	21.5	22.3	6.6
2	12.4	5.3	7.2	11.0	12.5	11.7	16.3	14.2	6.5	8.0	9.5	9.3
3 or more	18.2	Q	6.8	11.1	15.3	21.4	22.6	27.3	7.2	8.5	9.7	9.0
Exhaust (attic)	9.3	Q	3.5	4.2	7.5	9.8	11.5	16.0	2.6	3.3	3.7	13.7
Exhaust (other)	57.8	37.1	40.9	45.9	51.1	63.5	68.1	70.0	39.2	40.4	44.0	3.8
Portable	51.8	57.8	58.7	58.3	52.2	50.6	48.9	46.5	59.1	59.6	57.2	3.4
Whole-House	4.2	Q	1.8	2.2	3.1	4.2	5.4	7.0	1.5	1.8	2.0	20.7
Window	13.4	19.0	12.8	15.4	15.6	12.5	12.9	10.6	17.0	17.3	16.4	8.3
Freezer	34.5	22.2	25.8	27.7	34.2	36.5	38.7	40.3	25.6	28.1	27.7	5.2
1	30.5	21.3	23.3	24.6	30.1	33.3	34.3	34.5	23.4	25.7	25.0	5.5
2 or more	4.0	Q	2.4	3.2	4.2	3.2	4.4	5.8	2.2	2.4	2.6	18.5
Defrost Method												
Frost-Free	11.6	6.0	6.9	8.3	9.9	10.9	14.6	16.2	7.1	7.4	8.0	10.1
Manual	22.9	16.2	18.9	19.4	24.3	25.5	24.1	24.1	18.5	20.7	19.6	6.7
Type												
Upright	17.4	8.2	9.6	11.3	16.1	17.9	20.7	24.6	8.5	10.6	11.6	8.7
Chest	17.1	14.0	16.2	16.4	18.1	18.6	18.1	15.7	17.1	17.5	16.0	7.5
Age												
Less than 2 Years	2.2	Q	2.2	2.2	1.9	1.7	2.8	2.4	2.6	2.5	2.3	21.3
2 to 4 Years	3.5	4.2	2.9	2.5	3.5	3.2	3.7	4.5	3.8	3.6	3.0	15.4
5 to 9 Years	6.8	4.0	5.3	5.9	6.3	7.9	8.3	7.2	4.9	5.4	5.7	13.4
10 to 19 Years	13.0	6.7	7.9	9.5	12.7	14.3	14.6	16.9	7.4	8.9	9.1	8.7
20 Years or More	8.0	5.6	6.8	6.8	8.6	7.9	8.5	8.7	6.1	7.0	6.6	12.8
Don't Know	0.9	Q	Q	Q	1.2	1.4	0.8	0.7	Q	0.8	1.0	29.3
Size												
Very Small (Less than 11 cf)	2.9	Q	3.4	2.7	2.8	2.9	3.0	2.7	2.8	2.8	2.9	18.6
Small (11-14 cf)	6.9	5.8	8.0	6.1	7.5	7.4	6.6	6.6	8.1	8.2	7.1	11.6
Medium (15-18 cf)	12.6	5.8	7.3	10.2	12.7	11.8	15.3	15.9	6.5	7.9	8.5	9.2
Large (19-22 cf)	9.9	6.6	6.4	6.8	8.7	11.5	11.1	12.7	7.1	7.8	7.6	11.4
Very Large (23 or More cf)	2.3	Q	Q	2.0	2.5	2.8	2.7	2.4	1.1	1.5	1.6	22.6

See footnotes at end of table.

**Table 3.19a. Appliances by Family Income,
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Heaters (other)												
Hot Tub or Spa	2.8	Q	Q	Q	0.2	0.3	0.6	1.6	Q	Q	0.2	21.0
Electric	1.9	Q	Q	Q	0.2	0.2	0.5	1.0	Q	Q	0.2	26.2
Natural Gas	0.7	Q	Q	Q	Q	Q	Q	0.5	Q	Q	Q	27.9
LPG/Other	0.2	Q	Q	Q	Q	Q	Q	0.1	Q	Q	Q	34.5
Portable Space	11.8	0.5	1.2	1.3	2.6	1.6	1.9	2.7	1.7	2.3	3.8	9.9
Electric	9.8	0.4	1.0	1.1	2.2	1.3	1.5	2.3	1.4	1.9	3.1	10.3
Kerosene	2.3	Q	0.2	0.2	0.5	0.3	0.5	0.5	0.3	0.5	0.8	24.1
Swimming Pool	0.8	Q	Q	Q	Q	0.1	0.1	0.5	Q	Q	Q	36.4
Natural Gas	0.5	Q	Q	Q	Q	Q	Q	0.3	Q	Q	Q	44.6
Electric/LPG/Other	0.4	Q	Q	Q	Q	Q	Q	0.2	Q	Q	Q	50.9
Waterbed Heaters	11.9	Q	0.5	0.8	2.4	2.2	2.9	3.0	0.8	1.3	2.3	11.0
1	9.7	Q	0.4	0.7	2.2	1.7	2.3	2.2	0.7	1.1	2.0	12.3
2 or More	2.2	Q	Q	Q	0.3	0.4	0.6	0.8	Q	0.2	0.3	21.3
Waterbed Heaters Used All Year	9.9	Q	0.4	0.7	2.0	1.7	2.6	2.5	0.6	1.0	1.9	12.0
1	8.2	Q	0.4	0.6	1.9	1.4	2.1	1.9	0.6	0.9	1.6	13.3
2 or More	1.7	Q	Q	Q	0.2	0.3	0.5	0.6	Q	0.2	0.3	24.6
Office Equipment	23.3	0.4	0.5	1.0	2.8	3.1	5.8	9.6	1.1	1.7	3.0	9.4
Facsimile Machine	2.9	Q	Q	Q	0.4	0.2	0.8	1.4	Q	Q	0.3	20.5
Laser Printer	5.3	Q	Q	0.2	0.7	0.5	1.2	2.5	0.3	0.3	0.8	16.7
Personal Computer	22.6	0.4	0.5	1.0	2.7	3.0	5.6	9.4	1.1	1.7	3.0	9.6
Photocopier	1.5	Q	Q	Q	0.3	0.2	0.3	0.6	Q	Q	0.3	24.9
Oven	94.3	3.9	10.1	10.6	17.9	13.8	17.2	20.7	13.8	18.7	29.7	3.4
Electric	59.4	2.0	5.5	5.7	10.9	9.4	11.7	14.4	6.7	9.4	15.8	5.0
Natural Gas	30.7	1.7	4.0	4.2	6.0	3.6	5.1	6.0	6.1	7.8	11.9	7.0
LPG	4.2	0.3	0.5	0.7	1.0	0.8	0.5	0.3	0.9	1.4	1.9	17.2
Pumps (Electric)	18.2	0.2	0.7	1.4	3.2	2.9	4.2	5.5	1.2	2.1	3.5	9.8
Hot Tub or Spa	2.8	Q	Q	Q	0.2	0.3	0.6	1.6	Q	Q	0.2	21.0
Swimming Pool	4.6	Q	Q	0.2	0.5	0.6	1.3	2.0	0.1	0.3	0.5	19.8
Well Water	13.0	0.2	0.7	1.2	2.7	2.3	2.9	3.1	1.0	1.8	3.0	11.7
Range	96.1	4.0	10.4	11.0	18.3	14.0	17.4	20.9	14.2	19.1	30.3	3.4
Electric	59.3	2.0	5.6	5.8	10.9	9.3	11.6	14.1	6.7	9.5	15.9	5.0
Natural Gas	32.2	1.8	4.2	4.4	6.3	3.8	5.4	6.4	6.4	8.1	12.3	6.8
LPG	4.6	0.3	0.6	0.8	1.1	0.9	0.5	0.4	1.0	1.5	2.0	16.5

See footnotes at end of table.

**Table 3.19b. Appliances by Family Income,
Percent of U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Heaters (other)												
Hot Tub or Spa	2.9	Q	Q	Q	1.2	2.1	3.5	7.7	Q	Q	0.7	21.1
Electric	2.0	Q	Q	Q	0.9	1.7	2.8	4.8	Q	Q	0.5	26.4
Natural Gas	0.7	Q	Q	Q	Q	Q	Q	2.2	Q	Q	Q	27.6
LPG/Other	0.2	Q	Q	Q	Q	Q	Q	0.7	Q	Q	Q	33.9
Portable Space	12.2	11.8	11.5	11.4	14.1	11.2	10.7	13.1	11.9	12.1	12.3	9.4
Electric	10.1	10.0	9.3	9.5	12.0	9.4	8.6	11.1	9.6	9.6	10.0	9.8
Kerosene	2.4	Q	2.2	2.2	2.9	2.4	2.6	2.2	2.4	2.8	2.7	23.8
Swimming Pool	0.9	Q	Q	Q	Q	1.0	0.8	2.2	Q	Q	Q	36.6
Natural Gas	0.5	Q	Q	Q	Q	Q	Q	1.3	Q	Q	Q	44.5
Electric/LPG/Other	0.4	Q	Q	Q	Q	Q	Q	0.8	Q	Q	Q	49.9
Waterbed Heaters	12.3	Q	4.5	7.3	13.3	15.3	16.6	14.3	5.4	6.5	7.5	10.5
1	10.0	Q	4.1	6.2	11.9	12.4	13.2	10.7	4.8	5.5	6.4	11.7
2 or More	2.3	Q	Q	Q	1.4	2.9	3.5	3.6	Q	0.9	1.1	21.2
Waterbed Heaters Used All Year	10.3	Q	3.7	6.0	11.1	12.1	14.6	11.8	4.4	5.2	6.0	11.4
1	8.5	Q	3.4	5.0	10.3	9.8	11.9	8.9	3.9	4.4	5.2	12.7
2 or More	1.8	Q	Q	Q	0.9	2.3	2.7	2.9	Q	0.8	0.9	24.6
Office Equipment												
Facsimile Machine	3.0	Q	Q	Q	2.0	1.6	4.6	6.5	Q	Q	0.9	20.2
Laser Printer	5.5	Q	Q	1.9	3.6	3.7	6.7	11.9	1.8	1.8	2.5	16.5
Personal Computer	23.3	10.0	4.8	8.9	14.5	21.1	32.0	45.0	7.7	8.7	9.7	8.9
Photocopier	1.6	Q	Q	Q	1.6	1.2	1.9	3.1	Q	Q	0.8	24.7
Oven												
Electric	97.6	96.8	95.3	95.6	97.6	98.3	98.7	98.6	95.7	96.3	96.7	NE
Electric	61.5	48.1	52.0	51.0	59.3	66.5	66.9	68.6	46.3	48.6	51.6	3.8
Natural Gas	31.8	42.0	38.1	38.1	32.7	25.9	29.3	28.4	42.7	40.3	38.9	6.0
LPG	4.3	6.7	5.1	6.3	5.6	6.0	2.8	1.6	6.4	7.2	6.1	17.2
Pumps (Electric)												
Hot Tub or Spa	18.8	5.4	6.7	12.8	17.3	20.8	24.3	26.3	8.4	11.0	11.6	9.5
Hot Tub or Spa	2.9	Q	Q	Q	1.2	2.1	3.5	7.7	Q	Q	0.7	21.1
Swimming Pool	4.8	Q	Q	1.5	2.6	4.3	7.5	9.4	1.0	1.4	1.6	19.6
Well Water	13.4	4.7	6.3	10.8	14.5	16.1	16.6	14.7	7.1	9.3	9.8	11.4
Range												
Electric	99.4	98.8	98.4	99.2	99.4	99.7	99.9	99.8	98.6	98.8	99.0	NE
Electric	61.4	48.1	53.1	52.2	59.4	66.1	66.7	67.3	46.8	49.0	52.0	3.7
Natural Gas	33.3	43.2	39.4	39.7	34.1	27.0	30.7	30.5	44.6	41.8	40.1	5.9
LPG	4.7	7.5	5.4	7.1	6.0	6.5	2.8	1.9	7.0	7.8	6.6	16.5

See footnotes at end of table.

**Table 3.19a. Appliances by Family Income,
Million U.S. Households, 1993 (Continued)**

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Refrigerators	96.5	4.0	10.5	11.1	18.3	14.0	17.5	21.0	14.3	19.3	30.6	3.4
1	82.1	3.8	9.6	9.9	16.2	12.0	14.6	16.0	13.2	17.6	27.4	3.6
2 or More	14.4	0.2	0.9	1.2	2.2	2.0	2.9	4.9	1.2	1.8	3.2	10.0
Defrost Method												
Frost-Free	81.8	2.8	7.0	8.8	15.2	12.5	15.7	19.7	9.9	13.9	22.7	3.8
Manual	14.7	1.3	3.5	2.3	3.1	1.5	1.8	1.2	4.4	5.4	7.9	8.2
Type												
2-Doors (top and bottom)	71.3	2.9	8.1	8.3	14.3	10.9	12.7	13.9	10.6	14.6	23.1	3.8
2-Doors (side-by-side)	16.6	0.2	0.5	1.3	2.4	2.3	3.7	6.1	1.0	1.5	2.9	9.6
Regular (single door)	7.9	0.8	1.8	1.4	1.4	0.7	0.9	0.8	2.5	3.0	4.3	10.5
Half-Size/Other	0.8	Q	Q	Q	0.2	Q	Q	0.1	0.2	0.2	0.3	32.2
Age												
Less than 2 Years	11.9	0.5	1.0	1.3	2.0	1.6	2.4	2.9	1.7	2.3	3.6	9.9
2 to 4 Years	16.2	0.5	1.3	1.4	3.1	2.4	3.4	4.0	2.1	2.8	4.4	8.8
5 to 9 Years	28.1	0.8	2.2	3.1	5.5	4.2	5.5	6.8	3.4	4.8	7.8	6.2
10 to 19 Years	24.9	1.0	3.0	3.1	4.4	3.9	4.1	5.4	3.7	5.0	8.0	6.9
20 Years or More	7.0	0.3	1.3	1.0	1.5	0.9	1.0	1.0	1.2	1.7	2.7	10.8
Don't Know	8.3	0.8	1.7	1.3	1.8	0.9	1.1	0.8	2.3	2.8	4.0	10.8
Size												
Very Small (Less than 11 cf)	1.3	0.2	0.2	0.3	0.3	Q	Q	Q	0.4	0.5	0.7	22.0
Small (11-14 cf)	8.9	0.7	1.8	1.4	2.0	1.0	1.1	0.9	2.2	2.8	4.2	10.8
Medium (15-18 cf)	52.4	2.2	6.3	6.7	10.8	7.7	9.3	9.3	8.3	11.2	17.9	4.4
Large (19-22 cf)	30.0	0.9	2.1	2.6	4.8	4.7	6.1	8.8	3.3	4.6	7.4	6.1
Very Large (23 or More cf)	3.9	Q	Q	0.1	0.5	0.5	0.9	1.8	0.1	0.2	0.4	21.9
Through-the-Door Ice Service												
Yes	10.1	Q	0.3	0.5	1.0	1.4	2.4	4.5	0.5	0.9	1.2	13.4
No	86.3	3.9	10.2	10.7	17.4	12.6	15.1	16.5	13.8	18.5	29.3	3.5
Television Sets	95.4	3.9	10.4	10.9	18.2	13.9	17.3	20.9	14.0	18.9	29.9	3.4
Color	94.4	3.7	9.8	10.7	18.1	13.9	17.2	20.8	13.4	18.1	29.1	3.4
1	39.2	2.6	6.9	5.9	8.8	5.3	5.3	4.4	8.4	11.0	16.6	5.1
2	35.2	0.9	2.3	3.8	6.9	6.0	7.1	8.3	3.7	5.3	9.3	5.5
3	14.3	0.2	0.4	0.9	2.0	1.8	3.7	5.2	1.0	1.5	2.5	10.7
4	4.2	Q	0.1	Q	0.4	0.6	0.8	2.1	0.2	0.3	0.5	17.9
5 or More	1.5	Q	Q	Q	Q	0.2	0.3	0.9	Q	Q	Q	22.2
Black/White	19.0	1.0	2.1	2.0	3.3	2.6	3.3	4.6	3.6	4.6	6.2	7.1
1	16.9	0.8	2.0	1.7	3.1	2.4	2.9	4.1	3.1	4.0	5.5	7.5
2 or More	2.1	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.6	0.7	19.6

See footnotes at end of table.

Table 3.19b. Appliances by Family Income, Percent of U.S. Households, 1993 (Continued)

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Refrigerators	99.8	99.5	99.3	100.0	99.8	99.8	100.0	100.0	99.7	99.7	99.7	NE
1	85.0	94.2	90.4	89.0	88.1	85.3	83.5	76.5	91.5	90.6	89.4	1.3
2 or More	14.9	5.2	8.9	11.0	11.7	14.4	16.5	23.5	8.2	9.1	10.3	9.6
Defrost Method												
Frost-Free	84.6	68.0	66.4	79.1	82.7	89.3	89.9	94.1	69.1	71.9	74.1	1.8
Manual	15.2	31.5	32.9	20.9	17.1	10.5	10.1	5.9	30.5	27.9	25.6	7.2
Type												
2-Doors (top and bottom)	73.7	71.9	76.8	75.0	77.8	77.7	72.9	66.4	73.6	75.2	75.2	1.9
2-Doors (side-by-side)	17.1	4.7	4.8	11.6	13.2	16.2	21.4	29.3	6.8	7.8	9.6	8.8
Regular (single door)	8.2	20.4	16.7	12.8	7.7	5.3	5.4	3.6	17.7	15.5	13.9	10.0
Half-Size/Other	0.8	Q	Q	Q	1.1	Q	Q	0.7	1.5	1.2	1.0	31.7
Age												
Less than 2 Years	12.3	13.4	9.5	11.6	11.1	11.6	13.8	14.0	11.7	12.0	11.7	9.0
2 to 4 Years	16.8	13.2	12.7	12.9	16.6	17.4	19.4	19.2	14.5	14.3	14.4	8.2
5 to 9 Years	29.1	20.2	21.2	27.6	30.0	30.2	31.2	32.3	23.4	24.8	25.4	5.6
10 to 19 Years	25.8	23.7	28.3	27.9	24.2	27.7	23.8	25.5	25.7	25.7	26.0	6.0
20 Years or More	7.3	8.2	11.9	8.6	8.4	6.7	5.5	5.0	8.5	8.7	8.9	10.4
Don't Know	8.6	20.7	15.7	11.3	9.5	6.2	6.4	4.0	15.9	14.3	13.2	10.5
Size												
Very Small (Less than 11 cf)	1.3	4.4	2.2	2.5	1.6	Q	Q	Q	2.6	2.5	2.4	21.8
Small (11-14 cf)	9.2	17.5	16.9	12.4	10.8	7.2	6.3	4.4	15.6	14.4	13.5	10.0
Medium (15-18 cf)	54.3	55.2	59.9	60.6	58.5	54.7	53.4	44.5	57.4	57.9	58.3	2.9
Large (19-22 cf)	31.0	22.3	19.4	23.2	26.3	33.2	34.9	42.1	22.9	23.8	24.2	5.4
Very Large (23 or More cf)	4.0	Q	Q	1.2	2.6	3.7	5.1	8.5	1.0	1.1	1.2	21.6
Through-the-Door Ice Service												
Yes	10.5	Q	2.8	4.1	5.2	10.2	13.7	21.4	3.6	4.5	4.0	12.9
No	89.3	97.2	96.5	95.9	94.6	89.5	86.3	78.6	96.1	95.3	95.7	1.2
Television Sets	98.8	95.9	97.9	97.7	98.8	99.3	99.1	99.6	97.5	97.5	97.6	NE
Color	97.7	92.3	92.8	96.4	98.6	99.2	98.7	99.3	93.2	93.7	94.8	NE
1	40.5	62.9	65.4	53.4	47.7	37.8	30.4	20.9	58.7	56.9	54.1	3.5
2	36.4	22.0	22.1	33.9	37.3	42.7	40.4	39.4	25.7	27.1	30.3	4.6
3	14.8	5.9	4.1	8.0	11.0	12.6	21.3	24.9	7.0	7.9	8.2	10.2
4	4.3	Q	1.1	Q	2.0	4.5	4.8	9.9	1.5	1.6	1.7	18.0
5 or More	1.6	Q	Q	Q	Q	1.6	1.8	4.2	Q	Q	Q	22.3
Black/White	19.6	24.7	20.3	17.7	17.8	18.6	19.1	22.0	25.2	23.7	20.3	6.5
1	17.5	19.2	18.8	15.5	16.8	16.9	16.3	19.4	21.9	20.7	18.1	6.9
2 or More	2.2	5.4	1.5	2.2	1.0	1.7	2.8	2.6	3.3	3.0	2.2	19.6

See footnotes at end of table.

Table 3.19a. Appliances by Family Income, Million U.S. Households, 1993 (Continued)

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Water Heaters⁴	95.5	4.0	10.4	10.9	18.2	13.9	17.3	20.8	14.1	19.1	30.1	3.4
Electric	37.1	1.6	4.1	4.3	7.8	6.1	6.6	6.7	5.4	7.6	11.9	6.3
For One Housing Unit	35.8	1.5	3.8	4.0	7.5	6.0	6.5	6.6	5.2	7.2	11.3	6.6
For Two or More Units ⁵	1.3	Q	0.3	0.3	0.3	Q	0.1	Q	0.3	0.4	0.7	27.3
Natural Gas	51.2	2.1	5.5	5.9	9.2	6.7	9.4	12.5	7.5	9.9	15.8	5.6
For One Housing Unit	44.0	1.6	4.2	4.8	7.6	5.7	8.3	11.8	5.9	7.9	12.5	6.2
For Two or More Units ⁵	7.2	0.5	1.3	1.1	1.5	1.0	1.1	0.7	1.6	2.0	3.3	14.6
Fuel Oil	4.0	0.2	0.4	0.4	0.6	0.5	0.8	1.1	0.6	0.8	1.2	14.9
For One Housing Unit	2.2	Q	Q	0.1	0.3	0.3	0.5	0.8	0.1	0.2	0.4	23.2
For Two or More Units ⁵	1.8	Q	0.3	0.3	0.3	0.2	0.3	0.2	0.5	0.7	0.8	20.4
LPG	2.8	0.1	0.4	0.3	0.6	0.5	0.4	0.4	0.5	0.8	1.1	20.4
Other	0.4	Q	Q	Q	Q	Q	Q	0.2	Q	Q	0.1	47.2
Water Heater (for one housing unit)												
Age												
Less than 2 Years	11.4	0.4	0.8	1.2	1.9	1.9	2.2	3.0	1.3	1.8	3.0	11.1
2 to 4 Years	13.9	0.4	1.1	1.3	2.3	1.9	2.9	3.8	1.6	2.3	3.5	8.7
5 to 9 Years	21.4	0.5	1.5	2.0	4.4	3.4	4.2	5.5	2.1	3.0	5.4	7.6
10 to 19 Years	19.5	0.7	2.2	1.9	3.4	3.0	3.6	4.7	2.7	3.8	5.5	7.9
20 Years or More	7.5	0.3	1.1	1.0	1.7	1.2	0.9	1.3	1.0	1.5	2.8	13.0
Don't Know	11.3	1.0	1.8	1.8	2.3	1.3	1.8	1.4	3.0	3.7	5.0	9.5
Size												
Small	17.7	1.1	2.7	2.6	4.2	2.4	2.6	2.1	3.5	4.6	7.2	7.7
Medium	44.1	1.3	3.8	4.7	8.2	7.1	8.7	10.2	5.2	7.5	12.0	5.7
Large	18.0	0.4	1.1	1.3	2.7	2.3	3.7	6.3	1.7	2.4	3.9	9.5
Don't Know	5.2	0.4	0.8	0.6	0.8	0.7	0.7	1.0	1.3	1.5	2.2	14.0
Other Appliances												
Electric												
Air Cleaner	5.4	Q	0.2	0.4	0.9	0.7	1.1	1.8	0.3	0.6	0.9	15.0
Aquarium	4.1	0.1	0.2	0.3	0.7	0.5	0.9	1.5	0.5	0.7	1.0	15.7
Dehumidifier	9.1	Q	0.4	0.6	1.3	1.2	2.3	3.2	0.3	0.8	1.5	14.9
Evaporative Cooler	2.7	0.1	0.3	0.4	0.7	0.3	0.5	0.5	0.4	0.5	0.9	21.0
Humidifier	13.7	0.3	0.8	1.4	2.2	2.0	3.0	4.0	1.1	1.7	3.1	9.9
Microwave Oven	81.3	2.6	6.7	8.3	15.7	12.7	15.8	19.5	9.2	13.1	21.8	3.8
Toaster Oven	27.5	1.0	2.5	2.9	5.1	3.6	5.4	7.1	3.2	4.5	7.7	6.8
Outdoor Gas Light ³	0.5	Q	Q	Q	Q	Q	0.2	0.2	Q	Q	Q	36.9
Outdoor Grill	27.5	0.3	0.5	1.3	3.9	4.8	7.1	9.6	1.0	1.9	3.6	8.4
Natural Gas	2.8	Q	Q	Q	0.4	0.4	0.7	1.2	Q	Q	0.2	23.2
LPG	24.8	0.3	0.5	1.3	3.6	4.4	6.4	8.3	0.9	1.8	3.4	9.1

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

² An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

³ Gas includes LPG and natural gas.

⁴ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁵ An unknown number may be heated by the space-heating system.

cf = Cubic feet.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.19b. Appliances by Family Income, Percent of U.S. Households, 1993 (Continued)

Appliance Type and Characteristics	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.4	1.2	0.9	1.0	0.9	0.8	1.2	1.0	0.8	
Water Heaters⁴	98.9	97.6	98.3	98.3	99.1	99.1	99.1	99.1	98.2	98.5	98.3	NE
Electric	38.4	38.5	38.4	38.5	42.5	43.5	37.9	32.0	37.8	39.1	38.9	5.3
For One Housing Unit	37.0	36.8	35.8	35.8	40.6	42.6	37.2	31.3	35.8	37.2	36.8	5.6
For Two or More Units ⁵	1.4	Q	2.5	2.6	1.9	Q	0.6	Q	2.0	1.9	2.2	26.8
Natural Gas	53.0	51.0	51.6	53.4	49.9	47.7	53.6	59.5	52.2	51.0	51.5	4.5
For One Housing Unit	45.5	38.3	39.2	43.6	41.5	40.7	47.4	56.2	41.3	40.7	40.6	5.3
For Two or More Units ⁵	7.5	12.8	12.4	9.8	8.4	6.9	6.2	3.3	10.9	10.2	10.9	13.8
Fuel Oil	4.1	4.2	4.1	3.5	3.0	3.9	4.8	5.0	4.4	4.2	4.0	14.9
For One Housing Unit	2.3	Q	Q	1.2	1.5	2.3	2.8	4.0	0.9	0.8	1.3	23.1
For Two or More Units ⁵	1.9	Q	3.2	2.4	1.5	1.6	2.0	1.1	3.4	3.4	2.7	20.5
LPG	2.9	3.1	3.9	2.8	3.3	3.8	2.3	1.9	3.5	3.9	3.5	20.2
Other	0.5	Q	Q	Q	Q	Q	Q	0.8	Q	Q	0.4	45.9
Water Heater (for one housing unit)												
Age												
Less than 2 Years	11.8	9.6	7.6	11.1	10.2	13.3	12.7	14.3	9.0	9.2	9.8	10.5
2 to 4 Years	14.4	10.8	10.3	12.1	12.6	13.7	16.9	18.3	11.0	11.6	11.5	8.3
5 to 9 Years	22.2	12.3	13.8	18.2	23.9	24.0	24.1	26.2	14.8	15.5	17.7	6.9
10 to 19 Years	20.1	16.5	20.8	17.1	18.4	21.1	20.8	22.5	19.0	19.4	17.8	7.2
20 Years or More	7.8	6.2	10.4	8.9	9.3	8.5	5.4	6.3	7.0	7.8	9.0	12.6
Don't Know	11.7	23.8	16.8	16.0	12.6	9.1	10.3	6.4	20.7	19.0	16.4	9.2
Size												
Small	18.3	26.0	25.5	23.0	23.1	17.2	14.8	10.2	24.1	24.0	23.3	7.0
Medium	45.6	33.0	35.5	42.6	44.8	50.6	50.0	48.7	36.4	38.5	39.3	4.8
Large	18.6	9.4	10.9	12.0	14.7	16.7	21.4	30.1	11.8	12.3	12.6	8.7
Don't Know	5.4	10.9	7.9	5.8	4.5	5.1	4.0	5.0	9.1	7.8	7.0	13.8
Other Appliances												
Electric												
Air Cleaner	5.5	Q	2.2	3.8	5.2	5.0	6.4	8.8	2.4	2.9	3.1	14.6
Aquarium	4.3	3.0	1.5	2.9	3.7	3.4	5.2	7.0	3.4	3.7	3.3	15.6
Dehumidifier	9.4	Q	3.5	5.5	7.2	8.3	13.3	15.3	2.3	4.0	4.7	14.3
Evaporative Cooler	2.8	3.0	2.4	3.7	3.7	2.2	2.7	2.5	3.0	2.8	2.9	21.0
Humidifier	14.1	6.3	7.3	12.8	11.8	14.4	17.1	19.1	7.3	8.9	10.2	9.4
Microwave Oven	84.1	64.2	63.6	74.3	85.2	90.1	90.7	93.2	64.2	67.6	71.2	1.8
Toaster Oven	28.5	23.7	23.5	26.3	27.7	25.6	30.8	33.8	22.0	23.2	25.0	5.9
Outdoor Gas Light ³	0.6	Q	Q	Q	Q	Q	1.1	1.0	Q	Q	Q	37.1
Outdoor Grill	28.5	6.9	5.1	11.9	21.4	34.5	40.4	45.6	7.0	9.6	11.6	8.1
Natural Gas	2.9	Q	Q	Q	2.0	2.9	3.8	5.9	Q	Q	0.6	23.3
LPG	25.7	6.3	4.9	11.4	19.4	31.6	36.7	39.8	6.6	9.2	11.0	8.8

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

² An estimated 1.7 million households have both a central air-conditioner and one or more room air-conditioners.

³ Gas includes LPG and natural gas.

⁴ A count of households where the main water heater is totally separate from the space-heating system. Excluded from this count are 0.8 million households that use water heated by a space-heating system. Of these, most (0.6 million) employ a fuel oil space-heating system to heat water for washing and bathing. Also excluded are 0.3 million households that do not heat water using a typical water heater.

⁵ An unknown number may be heated by the space-heating system.

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.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.20a. Light Usage by Census Region and Climate Zone,
Million U.S. Households, 1993**

Light Usage	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.8	0.8	0.6	0.8	2.4	1.4	1.3	1.4	1.1	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	6.6
Indoor Electric Lights											
Total Number Lights											
1 to 4 Hours											
None	9.6	2.1	1.5	3.6	2.4	0.7	2.3	1.9	2.2	2.5	10.9
1	22.1	4.2	5.5	8.0	4.4	2.2	6.2	4.7	4.2	4.9	7.8
2	27.4	5.7	6.2	9.5	6.1	2.3	7.4	6.5	5.2	6.1	7.0
3	16.8	3.6	4.4	5.5	3.3	1.7	5.0	3.8	2.6	3.6	8.8
4	9.2	1.7	2.2	3.3	1.9	0.8	2.2	2.6	1.7	1.9	10.8
5 or More	11.5	2.3	3.4	3.5	2.3	1.0	3.5	3.0	1.8	2.2	11.1
4 to 12 Hours											
None	13.4	2.0	2.2	5.9	3.3	0.9	2.5	2.6	3.4	4.1	10.2
1	20.8	4.4	5.2	7.0	4.2	1.8	6.0	5.1	3.7	4.3	6.9
2	26.4	5.7	6.8	8.3	5.6	2.5	8.1	6.4	4.7	4.8	5.9
3	16.7	3.5	4.5	5.5	3.3	2.0	4.7	3.8	2.4	3.8	7.2
4	9.2	1.8	2.1	3.1	2.1	0.8	2.6	2.1	1.7	2.0	8.9
5 or More	10.0	2.0	2.5	3.7	1.9	0.7	2.7	2.6	1.9	2.2	10.1
More than 12 Hours per Day											
None	66.4	14.0	16.1	20.9	15.3	6.5	18.5	14.9	12.6	14.0	4.7
1	16.6	3.2	3.7	6.8	3.0	1.2	4.3	4.4	2.9	3.9	9.0
2	7.6	1.4	2.0	3.2	1.0	0.6	2.2	1.9	1.2	1.8	11.4
3	3.3	0.5	0.8	1.5	0.5	0.2	0.9	0.8	0.6	0.9	14.8
4	1.5	0.3	0.4	0.6	0.3	0.1	0.4	0.4	0.3	0.3	23.1
5 or More	1.2	0.2	0.3	0.5	0.2	Q	0.3	0.2	0.3	0.3	26.8
Incandescent Lights Used											
1 to 4 Hours per Day											
None	14.8	3.1	2.8	5.4	3.4	1.1	3.7	2.9	3.3	3.8	9.0
1	24.4	4.7	5.7	9.0	5.0	2.4	6.6	5.5	4.5	5.5	7.6
2	25.3	5.1	5.9	8.7	5.6	2.3	7.0	5.7	4.6	5.7	6.7
3	15.3	3.2	4.1	5.1	3.0	1.5	4.4	3.8	2.6	3.1	9.0
4	7.5	1.5	1.7	2.6	1.7	0.7	1.7	2.1	1.6	1.4	11.1
5 or More	9.4	2.0	3.0	2.7	1.7	0.8	3.1	2.5	1.3	1.7	12.4
4 to 12 Hours per Day											
None	17.4	3.0	3.1	7.0	4.3	1.4	3.5	3.5	4.1	4.9	8.6
1	24.5	5.1	6.0	8.5	5.0	2.2	6.8	5.8	4.3	5.5	6.9
2	25.8	5.5	6.6	8.6	5.2	2.4	7.7	6.2	4.4	5.2	5.8
3	13.9	2.9	4.1	4.1	2.7	1.6	4.3	3.4	2.2	2.4	8.2
4	7.4	1.6	1.6	2.6	1.6	0.6	2.1	1.7	1.3	1.7	10.9
5 or More	7.5	1.4	1.9	2.7	1.5	0.6	2.2	1.9	1.4	1.5	11.5
More than 12 Hours per Day											
None	70.4	14.6	17.2	22.6	16.0	6.9	19.6	15.6	13.3	15.1	4.3
1	15.7	3.2	3.2	6.7	2.6	1.0	3.9	4.4	2.7	3.7	9.6
2	6.3	1.0	2.0	2.4	1.0	0.5	1.9	1.5	1.1	1.4	11.2
3	2.4	0.5	0.5	1.1	0.4	0.1	0.6	0.6	0.4	0.7	17.7
4	1.0	Q	0.3	0.3	0.2	Q	0.2	0.2	0.2	0.2	25.8
5 or More	0.8	Q	0.2	0.3	Q	Q	0.2	0.2	0.2	0.2	26.9

See footnotes at end of table.

**Table 3.20b. Light Usage by Census Region and Climate Zone,
Percent of U.S. Households, 1993**

Light Usage	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.5	1.1	1.1	0.8	1.0	1.4	1.1	1.1	1.1	1.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Indoor Electric Lights											
Total Number Lights											
1 to 4 Hours											
None	10.0	10.7	6.5	10.9	11.8	8.4	8.6	8.5	12.5	11.9	9.9
1	22.9	21.5	23.5	24.0	21.6	24.8	23.2	20.9	23.7	23.1	5.8
2	28.4	29.1	26.6	28.4	29.8	26.2	27.8	29.0	29.2	28.8	4.7
3	17.4	18.3	19.1	16.4	16.1	19.5	18.9	17.0	14.8	17.2	6.9
4	9.5	8.8	9.5	9.9	9.5	9.2	8.5	11.4	9.6	8.8	9.4
5 or More	11.9	11.6	14.7	10.4	11.2	11.8	13.1	13.2	10.3	10.3	9.1
4 to 12 Hours											
None	13.9	10.5	9.4	17.5	16.2	9.9	9.3	11.5	18.9	19.5	8.6
1	21.6	22.7	22.3	20.8	20.8	20.7	22.5	22.6	20.7	20.4	5.0
2	27.4	29.3	29.2	24.9	27.4	28.2	30.6	28.4	26.6	22.5	3.6
3	17.3	17.7	19.4	16.4	16.0	23.1	17.7	16.8	13.7	17.9	5.0
4	9.5	9.5	9.2	9.4	10.2	9.5	9.6	9.3	9.6	9.5	6.8
5 or More	10.4	10.3	10.5	11.0	9.3	8.6	10.2	11.4	10.5	10.2	8.2
More than 12 Hours per Day											
None	68.7	71.8	69.2	62.5	75.3	74.8	69.8	66.2	70.6	65.8	2.4
1	17.2	16.2	15.7	20.3	14.7	13.5	16.1	19.4	16.1	18.5	7.4
2	7.9	7.0	8.8	9.5	5.1	6.6	8.1	8.3	6.8	8.7	9.5
3	3.5	2.8	3.5	4.4	2.5	2.9	3.2	3.4	3.3	4.2	13.4
4	1.5	1.3	1.5	1.7	1.5	1.6	1.4	1.7	1.7	1.3	22.8
5 or More	1.2	0.9	1.2	1.6	1.0	Q	1.3	0.9	1.5	1.5	25.0
Incandescent Lights Used											
1 to 4 Hours per Day											
None	15.3	16.0	12.2	16.1	16.8	13.0	13.8	12.8	18.6	17.8	7.7
1	25.2	24.0	24.7	26.8	24.4	27.1	24.9	24.3	25.0	25.9	5.4
2	26.2	26.3	25.3	26.0	27.5	26.0	26.3	25.5	25.8	27.1	4.7
3	15.9	16.3	17.5	15.2	14.8	17.1	16.7	16.9	14.4	14.5	6.6
4	7.8	7.5	7.5	7.8	8.3	7.8	6.5	9.2	9.0	6.8	9.5
5 or More	9.7	10.0	12.9	8.1	8.2	9.0	11.7	11.3	7.1	8.0	10.4
4 to 12 Hours per Day											
None	18.0	15.3	13.3	20.9	21.2	15.7	13.2	15.5	23.1	23.2	7.0
1	25.4	26.4	25.6	25.2	24.6	25.3	25.6	25.7	24.2	25.8	4.9
2	26.7	28.0	28.1	25.7	25.5	27.2	29.0	27.4	24.9	24.4	3.8
3	14.4	15.1	17.8	12.4	13.4	18.6	16.0	15.3	12.6	11.3	6.2
4	7.7	8.0	7.0	7.7	8.1	6.7	7.9	7.5	7.4	8.2	8.9
5 or More	7.8	7.3	8.2	8.1	7.4	6.5	8.1	8.5	7.8	7.1	9.8
More than 12 Hours per Day											
None	72.9	75.0	73.7	67.5	78.7	79.4	74.1	69.2	74.5	71.2	2.1
1	16.3	16.3	13.8	20.0	13.0	11.6	14.7	19.7	15.1	17.5	8.2
2	6.6	5.1	8.4	7.2	4.7	5.3	7.3	6.6	6.2	6.4	9.4
3	2.5	2.4	2.0	3.2	1.9	1.7	2.2	2.8	2.0	3.1	16.5
4	1.0	Q	1.1	1.0	1.1	Q	0.8	0.9	1.3	0.9	24.8
5 or More	0.8	Q	0.9	1.0	Q	Q	0.9	0.7	0.9	0.8	26.5

See footnotes at end of table.

Table 3.20a. Light Usage by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Light Usage	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.8	0.8	0.6	0.8	2.4	1.4	1.3	1.4	1.1	
Fluorescent Lights Used											
1 to 4 Hours per Day											
None	75.5	15.4	18.2	26.2	15.8	6.8	20.9	18.0	14.0	15.9	4.1
1	16.1	3.2	3.8	5.5	3.5	1.4	4.2	3.6	2.9	4.0	8.4
2	3.8	0.7	0.9	1.4	0.8	0.4	1.0	0.7	0.6	1.0	12.9
3 or More	1.2	0.2	0.3	0.4	0.2	0.1	0.4	0.3	0.2	0.3	24.5
4 to 12 Hours per Day											
None	75.1	14.7	18.7	25.7	15.9	6.5	21.3	17.8	13.8	15.8	4.1
1	15.9	3.7	3.1	5.6	3.5	1.6	3.9	3.5	3.1	3.8	8.3
2	4.3	0.8	1.1	1.7	0.7	0.5	1.0	0.8	0.7	1.2	12.8
3 or More	1.4	0.3	0.4	0.5	0.2	0.1	0.3	0.4	0.2	0.4	22.6
More than 12 Hours per Day											
None	88.2	18.0	21.3	29.7	19.2	8.1	24.2	20.8	16.3	18.9	3.7
1	6.7	1.2	1.6	3.0	0.9	0.5	1.9	1.3	1.2	1.9	14.6
2	1.1	0.2	0.3	0.5	Q	Q	0.3	0.2	0.2	0.3	25.8
3 or More	0.6	Q	Q	0.3	Q	Q	Q	Q	0.1	0.2	32.4
Compact Fluorescent Light Bulbs Used											
Yes	8.6	2.1	2.2	2.3	2.0	1.1	2.5	1.8	1.5	1.6	10.2
No	88.1	17.4	21.1	31.2	18.3	7.6	24.0	20.6	16.2	19.6	4.5
Halogen Light Bulbs Used											
Yes	11.2	2.6	2.3	3.5	2.8	0.9	3.0	2.6	2.1	2.6	8.8
No	85.4	16.9	21.0	30.0	17.6	7.8	23.4	19.8	15.7	18.6	3.9
Outdoor Lights											
Yes (more than one may apply)											
Evening Only	25.9	5.4	6.3	8.8	5.5	2.6	7.1	5.6	4.9	5.8	8.3
All Night	16.6	1.6	3.9	6.9	4.2	0.7	4.5	3.5	3.0	4.9	8.7
Automatic Control	18.2	3.0	4.9	6.6	3.7	1.7	5.4	3.9	2.9	4.3	8.6
High Intensity	3.2	0.6	0.8	1.4	0.5	0.2	0.7	0.7	0.6	0.9	24.2
All Wattage Less than 150	31.5	5.6	7.4	10.8	7.7	4.0	7.2	6.6	6.6	7.0	9.8
Gas Light ¹	0.5	Q	Q	0.3	Q	Q	Q	Q	Q	0.2	37.3
No	33.1	8.7	7.8	10.6	6.0	2.2	9.9	9.3	5.7	6.0	8.5

¹ Gas includes LPG and natural gas.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.20b. Light Usage by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Light Usage	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.1	1.1	0.8	1.0	1.4	1.1	1.1	1.1	1.1	
Fluorescent Lights Used											
1 to 4 Hours per Day											
None	78.2	78.8	78.1	78.1	77.7	78.2	78.8	80.0	78.9	74.9	1.6
1	16.6	16.5	16.5	16.5	17.2	15.8	15.8	15.8	16.5	18.9	6.4
2	3.9	3.4	4.0	4.1	4.1	4.7	3.9	3.1	3.4	4.9	12.0
3 or More	1.3	1.3	1.4	1.3	1.0	1.4	1.5	1.1	1.1	1.3	24.1
4 to 12 Hours per Day											
None	77.7	75.7	80.4	76.7	78.0	74.2	80.3	79.1	77.7	74.3	1.7
1	16.4	18.8	13.4	16.7	17.1	18.2	14.7	15.6	17.3	18.1	6.9
2	4.4	4.0	4.6	5.0	3.7	6.2	3.7	3.5	4.0	5.9	11.2
3 or More	1.5	1.5	1.5	1.6	1.2	1.3	1.3	1.8	1.1	1.7	21.8
More than 12 Hours per Day											
None	91.3	92.4	91.5	88.6	94.3	92.6	91.4	92.6	91.5	89.1	1.1
1	6.9	6.0	6.7	9.0	4.6	5.5	7.0	5.9	6.7	8.8	12.7
2	1.1	1.2	1.2	1.5	Q	Q	1.0	1.1	1.0	1.3	24.5
3 or More	0.6	Q	Q	0.9	Q	Q	Q	Q	0.8	0.8	31.3
Compact Fluorescent Light Bulbs Used											
Yes	8.9	10.5	9.2	7.0	9.9	13.0	9.4	8.1	8.7	7.4	9.5
No	91.1	89.5	90.8	93.0	90.1	87.0	90.6	91.9	91.3	92.6	1.2
Halogen Light Bulbs Used											
Yes	11.6	13.3	9.9	10.6	13.8	10.7	11.5	11.6	11.5	12.4	8.1
No	88.4	86.7	90.1	89.4	86.2	89.3	88.5	88.4	88.5	87.6	1.1
Outdoor Lights											
Yes (more than one may apply)											
Evening Only	26.9	27.6	26.9	26.2	27.2	29.7	26.8	24.8	27.6	27.2	6.0
All Night	17.2	8.1	16.9	20.6	20.5	8.6	17.0	15.5	16.6	23.1	7.2
Automatic Control	18.8	15.4	21.0	19.7	18.3	19.3	20.5	17.5	16.0	20.4	6.8
High Intensity	3.3	2.9	3.2	4.1	2.3	2.6	2.7	3.2	3.6	4.1	22.9
All Wattage Less than 150	32.6	28.7	31.8	32.2	37.8	46.3	27.2	29.3	37.3	33.1	8.1
Gas Light ¹	0.6	Q	Q	0.9	Q	Q	Q	Q	Q	0.9	31.9
No	34.2	44.7	33.5	31.6	29.5	25.4	37.4	41.4	31.8	28.4	6.7

¹ Gas includes LPG and natural gas.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.21a. Light Usage by Type and Ownership of Housing Unit,
Million U.S. Households, 1993**

Light Usage	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.4	0.8	1.2	2.1	1.3	0.9	3.0	0.9	1.3	1.5	2.3	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.8
Indoor Electric Lights														
Total Number Lights														
1 to 4 Hours														
None	9.6	6.4	5.4	0.9	0.8	Q	0.6	1.8	0.2	1.6	0.7	0.5	0.2	15.6
1	22.1	13.2	10.4	2.8	2.4	0.4	2.0	4.9	0.4	4.5	1.6	1.2	0.4	9.2
2	27.4	18.4	15.0	3.3	2.3	0.4	1.9	5.1	0.5	4.6	1.7	1.3	0.4	9.3
3	16.8	11.9	10.1	1.8	1.3	0.3	1.0	2.6	0.2	2.4	1.0	0.8	0.2	12.1
4	9.2	7.4	6.4	1.0	0.6	0.1	0.4	0.9	Q	0.8	0.4	0.3	0.1	15.9
5 or More	11.5	9.6	8.4	1.2	0.6	0.2	0.5	1.0	Q	0.9	0.2	0.2	Q	18.4
4 to 12 Hours														
None	13.4	8.2	6.3	1.9	1.4	0.2	1.2	2.9	0.2	2.7	0.9	0.7	0.3	12.5
1	20.8	12.1	9.5	2.6	2.4	0.4	1.9	4.9	0.4	4.6	1.4	1.1	0.3	9.4
2	26.4	18.1	15.1	3.0	2.0	0.3	1.6	4.8	0.5	4.3	1.6	1.2	0.4	8.6
3	16.7	12.4	10.6	1.8	1.5	0.3	1.2	1.9	0.2	1.7	0.9	0.8	0.2	10.8
4	9.2	7.4	6.5	0.9	0.5	0.2	0.3	0.9	Q	0.8	0.3	0.3	Q	14.4
5 or More	10.0	8.6	7.7	0.9	0.3	Q	0.2	0.8	Q	0.6	0.4	0.3	Q	18.1
More than 12 Hours per Day														
None	66.4	44.6	36.9	7.7	5.7	1.1	4.6	12.3	1.2	11.1	3.8	2.9	0.8	6.6
1	16.6	11.7	9.9	1.7	1.5	0.2	1.2	2.5	0.2	2.3	1.0	0.8	0.2	12.0
2	7.6	5.8	4.8	1.0	0.5	Q	0.4	0.9	Q	0.8	0.5	0.4	Q	16.0
3	3.3	2.7	2.4	0.3	0.2	Q	0.1	0.3	Q	0.2	0.2	0.2	Q	24.9
4	1.5	1.2	1.0	0.2	Q	Q	Q	0.2	Q	0.2	Q	Q	Q	35.6
5 or More	1.2	1.0	0.8	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.7
Incandescent Lights Used														
1 to 4 Hours per Day														
None	14.8	10.1	8.5	1.6	1.1	0.2	0.9	2.6	0.4	2.2	0.9	0.7	0.2	12.6
1	24.4	14.9	12.1	2.8	2.5	0.5	2.0	5.4	0.3	5.0	1.6	1.3	0.3	9.1
2	25.3	16.9	13.8	3.2	2.3	0.4	1.9	4.4	0.4	4.0	1.7	1.3	0.4	9.3
3	15.3	11.2	9.7	1.6	1.1	0.2	0.9	2.2	0.2	2.0	0.8	0.7	0.2	12.7
4	7.5	5.9	4.9	1.0	0.5	Q	0.4	0.7	Q	0.6	0.3	0.3	Q	17.8
5 or More	9.4	7.7	6.8	1.0	0.5	Q	0.4	0.9	Q	0.8	0.2	0.2	Q	19.8
4 to 12 Hours per Day														
None	17.4	10.7	8.4	2.3	1.9	0.3	1.7	3.6	0.3	3.3	1.1	0.9	0.3	11.3
1	24.5	15.2	12.4	2.7	2.4	0.4	2.0	5.5	0.4	5.1	1.5	1.1	0.4	9.4
2	25.8	18.2	15.0	3.2	1.8	0.3	1.4	4.2	0.5	3.7	1.6	1.2	0.3	9.1
3	13.9	10.4	9.1	1.3	1.3	0.3	1.0	1.5	Q	1.4	0.8	0.6	0.1	11.9
4	7.4	5.8	5.0	0.7	0.5	Q	0.3	0.8	Q	0.7	0.3	0.3	Q	17.2
5 or More	7.5	6.5	5.8	0.7	0.2	Q	0.2	0.5	Q	0.5	0.3	0.3	Q	21.3
More than 12 Hours per Day														
None	70.4	47.8	39.8	8.0	5.9	1.1	4.8	12.8	1.3	11.5	3.9	3.0	0.9	6.4
1	15.7	11.0	9.3	1.7	1.3	0.2	1.1	2.4	0.2	2.2	1.0	0.8	0.2	12.8
2	6.3	4.7	3.9	0.8	0.5	Q	0.4	0.7	Q	0.6	0.4	0.3	Q	16.1
3	2.4	1.9	1.7	0.2	0.2	Q	Q	0.2	Q	0.2	0.2	0.2	Q	29.4
4	1.0	0.7	0.6	Q	Q	Q	Q	0.1	Q	Q	Q	Q	Q	42.0
5 or More	0.8	0.6	0.5	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.8

See footnotes at end of table.

**Table 3.21b. Light Usage by Type and Ownership of Housing Unit,
Percent of U.S. Households, 1993**

Light Usage	Type and Ownership of Housing Unit													RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent		
					Total	Own	Rent	Total	Own	Rent					
RSE Column Factor:	0.3	0.4	0.4	0.9	1.1	2.2	1.3	0.8	2.6	0.9	1.2	1.4	2.3		
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Indoor Electric Lights															
Total Number Lights															
1 to 4 Hours															
None	10.0	9.5	9.7	8.4	9.6	Q	9.7	11.2	14.8	10.9	12.2	11.7	14.0	14.5	
1	22.9	19.8	18.7	25.2	30.0	27.7	30.6	30.0	23.5	30.7	29.0	28.3	31.9	7.4	
2	28.4	27.5	26.9	30.3	29.3	27.2	29.8	31.3	31.5	31.3	29.6	29.3	31.0	7.0	
3	17.4	17.8	18.2	16.0	16.3	17.3	16.1	15.9	13.5	16.1	17.9	18.8	14.6	10.7	
4	9.5	11.0	11.5	8.8	7.2	8.4	6.9	5.3	Q	5.2	7.0	6.6	8.2	15.1	
5 or More	11.9	14.4	15.0	11.3	7.6	10.1	7.0	6.3	Q	5.8	4.3	5.3	Q	17.6	
4 to 12 Hours															
None	13.9	12.2	11.2	17.3	17.3	11.4	18.6	18.1	14.6	18.5	16.3	14.9	21.6	11.0	
1	21.6	18.1	17.1	23.3	29.4	28.5	29.6	30.5	25.1	31.0	25.6	24.8	28.5	7.4	
2	27.4	27.1	27.0	27.5	24.5	21.0	25.3	29.2	31.5	29.0	28.7	28.2	30.7	6.8	
3	17.3	18.5	19.0	15.9	18.8	21.8	18.1	11.9	12.1	11.9	16.4	17.1	13.5	9.0	
4	9.5	11.1	11.7	8.1	6.5	13.0	5.1	5.6	Q	5.3	6.0	7.0	Q	14.0	
5 or More	10.4	12.9	13.9	7.8	3.5	Q	3.3	4.6	Q	4.3	7.0	7.9	Q	16.7	
More than 12 Hours per Day															
None	68.7	66.7	66.2	69.5	71.1	71.4	71.0	75.8	76.5	75.7	68.0	66.9	72.2	3.3	
1	17.2	17.4	17.8	15.7	18.3	16.6	18.7	15.2	13.0	15.4	18.4	18.8	17.0	10.6	
2	7.9	8.6	8.6	9.0	6.4	Q	6.8	5.4	Q	5.2	9.0	9.1	Q	15.1	
3	3.5	4.0	4.3	2.5	2.8	Q	2.3	1.6	Q	1.6	3.1	3.5	Q	24.6	
4	1.5	1.8	1.8	1.4	Q	Q	Q	1.3	Q	1.3	Q	Q	Q	34.2	
5 or More	1.2	1.5	1.4	1.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	39.4	
Incandescent Lights Used															
1 to 4 Hours per Day															
None	15.3	15.1	15.3	14.4	14.0	12.8	14.3	16.3	27.3	15.1	15.8	15.1	18.5	11.1	
1	25.2	22.2	21.7	25.1	31.1	31.0	31.1	33.1	22.5	34.2	29.1	28.9	29.5	7.4	
2	26.2	25.4	24.7	28.7	28.2	25.6	28.8	27.3	25.2	27.5	30.2	29.3	33.4	6.9	
3	15.9	16.8	17.3	14.1	13.7	14.9	13.4	13.4	12.7	13.5	15.1	15.5	13.5	11.3	
4	7.8	8.9	8.9	9.1	6.6	Q	5.9	4.4	Q	4.4	5.9	6.2	Q	16.9	
5 or More	9.7	11.6	12.2	8.6	6.4	Q	6.5	5.5	Q	5.2	4.0	4.9	Q	19.0	
4 to 12 Hours per Day															
None	18.0	16.1	15.1	21.0	24.1	17.6	25.6	22.0	20.5	22.1	20.3	19.6	22.8	9.5	
1	25.4	22.7	22.3	24.8	29.7	26.9	30.3	34.1	27.6	34.8	26.2	24.5	32.5	7.4	
2	26.7	27.3	26.9	29.2	22.3	23.4	22.0	26.0	32.8	25.3	28.4	28.1	29.3	7.3	
3	14.4	15.5	16.3	11.9	16.0	21.2	14.8	9.4	Q	9.7	13.8	14.6	10.9	10.3	
4	7.7	8.7	9.1	6.7	5.7	Q	4.9	5.2	Q	4.8	5.6	6.7	Q	16.7	
5 or More	7.8	9.7	10.4	6.3	2.3	Q	2.4	3.4	Q	3.3	5.8	6.5	Q	19.9	
More than 12 Hours per Day															
None	72.9	71.5	71.4	72.3	74.1	75.5	73.8	78.7	80.8	78.4	70.3	69.1	74.5	3.0	
1	16.3	16.5	16.7	15.5	16.6	14.6	17.1	14.7	9.8	15.2	18.0	18.9	14.6	11.3	
2	6.6	7.1	7.0	7.5	6.1	Q	6.2	4.3	Q	3.9	7.5	7.2	Q	15.4	
3	2.5	2.8	3.0	1.9	2.1	Q	Q	1.1	Q	1.1	3.1	3.4	Q	29.2	
4	1.0	1.1	1.1	Q	Q	Q	Q	0.8	Q	Q	Q	Q	Q	39.0	
5 or More	0.8	0.9	0.8	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.1	

See footnotes at end of table.

Table 3.21a. Light Usage by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Light Usage	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.4	0.8	1.2	2.1	1.3	0.9	3.0	0.9	1.3	1.5	2.3	
Fluorescent Lights Used														
1 to 4 Hours per Day														
None	75.5	50.7	41.8	8.9	6.7	1.1	5.6	13.2	1.1	12.1	4.9	3.9	1.0	6.5
1	16.1	11.9	10.2	1.7	1.0	0.3	0.7	2.6	0.3	2.2	0.6	0.4	0.1	12.3
2	3.8	3.1	2.7	0.4	0.2	Q	0.2	0.4	Q	0.3	Q	Q	Q	24.9
3 or More	1.2	1.1	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	40.8
4 to 12 Hours per Day														
None	75.1	50.1	40.9	9.2	6.6	1.2	5.4	13.5	1.2	12.3	4.9	3.9	1.1	6.1
1	15.9	11.9	10.5	1.4	1.1	0.2	0.9	2.3	0.3	2.0	0.5	0.4	Q	12.3
2	4.3	3.6	3.2	0.4	0.2	Q	Q	0.3	Q	0.3	0.2	0.1	Q	23.6
3 or More	1.4	1.2	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	37.7
More than 12 Hours per Day														
None	88.2	60.1	49.8	10.3	7.6	1.4	6.2	15.2	1.4	13.8	5.3	4.2	1.1	6.0
1	6.7	5.2	4.6	0.6	0.4	Q	0.3	0.9	Q	0.8	0.2	0.2	Q	20.9
2	1.1	0.9	0.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.5
3 or More	0.6	0.5	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.0
Compact Fluorescent Light Bulbs Used														
Yes	8.6	7.1	6.4	0.7	0.4	Q	0.2	0.9	0.2	0.7	0.2	0.2	Q	16.3
No	88.1	59.7	49.4	10.3	7.6	1.4	6.3	15.3	1.4	13.9	5.3	4.2	1.2	5.9
Halogen Light Bulbs Used														
Yes	11.2	8.6	7.6	1.0	0.7	0.3	0.4	1.6	0.2	1.4	0.3	0.2	Q	14.7
No	85.4	58.2	48.2	10.0	7.3	1.2	6.1	14.6	1.4	13.3	5.3	4.2	1.1	6.0
Outdoor Lights														
Yes (more than one may apply)														
Evening Only	63.5	50.5	42.9	7.6	4.7	1.2	3.6	4.5	0.3	4.1	3.8	3.1	0.7	7.3
All Night	25.9	21.5	18.4	3.2	1.7	0.5	1.1	1.1	Q	1.0	1.6	1.3	0.3	10.6
Automatic Control	16.6	13.1	10.9	2.2	1.1	0.2	0.9	1.6	Q	1.5	0.8	0.7	0.1	13.2
High Intensity	18.2	15.6	14.5	1.1	0.9	0.4	0.5	0.8	Q	0.7	1.0	0.9	Q	13.1
All Wattage Less than 150	3.2	2.8	2.6	0.2	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	32.8
Gas Light ¹	31.5	23.9	19.7	4.2	3.1	0.5	2.6	2.6	0.2	2.3	1.9	1.4	0.5	11.0
No	0.5	0.5	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.3
	33.1	16.3	12.9	3.4	3.3	0.3	3.0	11.8	1.2	10.6	1.7	1.3	0.4	10.0

¹ Gas includes LPG and natural gas.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.21b. Light Usage by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Light Usage	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.4	0.4	0.9	1.1	2.2	1.3	0.8	2.6	0.9	1.2	1.4	2.3	
Fluorescent Lights Used														
1 to 4 Hours per Day														
None	78.2	75.9	74.9	80.7	84.0	76.7	85.7	81.5	70.5	82.6	87.9	88.3	86.4	2.3
1	16.6	17.8	18.2	15.6	12.6	21.7	10.5	15.8	22.2	15.2	10.6	10.1	12.4	11.8
2	3.9	4.6	4.9	3.4	3.1	Q	3.4	2.3	Q	2.1	Q	Q	Q	23.9
3 or More	1.3	1.7	2.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	36.4
4 to 12 Hours per Day														
None	77.7	75.0	73.4	83.1	82.1	80.6	82.4	83.2	75.2	84.0	88.1	87.6	89.9	2.1
1	16.4	17.9	18.9	12.7	14.3	13.5	14.5	14.4	19.5	13.8	8.4	8.6	Q	11.3
2	4.4	5.3	5.7	3.4	2.5	Q	Q	2.1	Q	1.9	2.8	3.1	Q	23.3
3 or More	1.5	1.8	2.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.8
More than 12 Hours per Day														
None	91.3	90.0	89.3	93.6	95.0	92.8	95.5	93.5	92.6	93.6	95.4	94.7	97.7	1.2
1	6.9	7.8	8.3	5.3	4.6	Q	4.5	5.4	Q	5.4	4.0	4.4	Q	20.3
2	1.1	1.4	1.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	39.3
3 or More	0.6	0.8	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.9
Compact Fluorescent Light Bulbs Used														
Yes	8.9	10.6	11.4	6.6	4.5	Q	3.5	5.5	10.1	5.1	4.0	5.0	Q	15.4
No	91.1	89.4	88.6	93.4	95.5	91.1	96.5	94.5	89.9	94.9	96.0	95.0	99.5	1.0
Halogen Light Bulbs Used														
Yes	11.6	12.9	13.6	9.4	9.3	20.1	6.9	9.9	10.7	9.8	5.3	5.5	Q	13.8
No	88.4	87.1	86.4	90.6	90.7	79.9	93.1	90.1	89.3	90.2	94.7	94.5	95.2	1.4
Outdoor Lights														
Yes (more than one may apply)														
Evening Only	65.8	75.6	76.9	69.2	58.9	77.4	54.7	27.6	22.2	28.2	68.7	70.2	63.0	4.9
All Night	26.9	32.3	32.9	28.8	20.9	35.4	17.6	6.8	Q	6.8	29.1	29.1	29.4	8.9
Automatic Control	17.2	19.6	19.6	19.7	13.7	15.1	13.4	9.6	Q	10.1	15.1	16.3	10.7	12.0
High Intensity	18.8	23.3	25.9	10.1	11.1	24.6	8.0	4.7	Q	4.9	17.5	20.5	Q	12.3
All Wattage Less than 150	3.3	4.1	4.6	1.5	Q	Q	Q	Q	Q	Q	4.2	5.3	Q	31.8
Gas Light ¹	32.6	35.8	35.3	38.2	38.7	36.2	39.2	15.7	15.0	15.8	34.5	32.6	41.7	9.5
No	0.6	0.8	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.2
	34.2	24.4	23.1	30.8	41.1	22.6	45.3	72.4	77.8	71.8	31.3	29.8	37.0	6.9

¹ Gas includes LPG and natural gas.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.22. Light Usage by Type of Bulb,
U.S. Households and Lights, 1993**

Housing Unit and Household Characteristics	Total Households (millions)	Lights Used One or More Hours Per Day								RSE Row Factors
		Total Lights (millions)	Average per Household	Incandescent Lights (millions)			Fluorescent Lights (millions)			
				1 to 4 Hours	4 to 12 Hours	More than 12 Hours	1 to 4 Hours	4 to 12 Hours	More than 12 Hours	
RSE Column Factor:	0.7	0.7	0.4	0.8	0.8	1.4	1.5	1.5	2.4	
Total	96.6	522.6	5.4	212.4	196.6	44.1	28.2	29.9	11.4	2.1
Census Region and Division										
Northeast	19.5	107.5	5.5	44.1	41.7	7.9	5.6	6.3	1.9	4.7
New England	5.1	28.8	5.7	11.0	11.7	2.5	1.3	1.7	0.5	9.5
Middle Atlantic	14.4	78.7	5.5	33.1	30.0	5.4	4.3	4.5	1.4	5.4
Midwest	23.3	132.3	5.7	55.3	49.8	10.7	6.8	6.8	2.8	4.9
East North Central	16.4	95.5	5.8	40.2	35.0	7.7	5.5	5.0	2.1	5.9
West North Central	6.9	36.8	5.3	15.1	14.9	3.0	1.3	1.8	0.7	7.4
South	33.5	180.0	5.4	70.1	65.9	18.0	10.0	10.9	5.1	3.3
South Atlantic	17.4	92.1	5.3	34.6	34.2	8.7	5.6	6.2	2.7	4.5
East South Central	6.0	33.2	5.5	13.3	12.4	3.2	1.5	1.8	0.9	5.8
West South Central	10.1	54.7	5.4	22.1	19.3	6.0	2.9	2.9	1.5	6.8
West	20.4	102.7	5.0	42.8	39.2	7.4	5.8	5.9	1.6	4.3
Mountain	5.4	26.2	4.9	11.0	10.1	1.8	1.5	1.4	0.3	8.3
Pacific	15.0	76.6	5.1	31.8	29.0	5.6	4.3	4.5	1.3	4.9
Climate Zone										
Under 2,000 CDD and--										
Over 7,000 HDD	8.7	46.8	5.4	19.3	17.6	3.2	2.6	3.2	0.9	15.2
5,500 to 7,000 HDD	26.5	148.4	5.6	60.9	57.6	11.8	7.7	7.1	3.2	9.0
4,000 to 5,499 HDD	22.5	127.3	5.7	53.6	47.7	11.1	6.0	6.7	2.2	8.8
Under 4,000 HDD	17.8	89.4	5.0	35.6	33.7	7.8	4.9	5.3	2.1	9.6
2,000 CDD or More and --										
Under 4,000 HDD	21.2	110.7	5.2	42.9	40.0	10.2	7.0	7.6	3.1	7.5
Heated Floorspace Category (square feet)										
Fewer than 600	7.5	25.8	3.4	11.6	9.5	1.7	1.3	1.2	0.4	10.5
600 to 999	21.8	90.5	4.1	39.1	33.6	8.3	4.1	3.9	1.5	4.9
1,000 to 1,599	27.8	141.4	5.1	57.9	52.4	12.5	7.5	7.6	3.4	4.5
1,600 to 1,999	12.4	71.4	5.8	28.1	26.9	6.2	3.8	4.8	1.6	6.0
2,000 to 2,399	9.6	62.4	6.5	24.8	23.4	4.9	3.8	4.1	1.4	6.9
2,400 to 2,999	8.2	54.8	6.7	20.5	21.2	5.4	3.1	3.4	1.2	7.2
3,000 or More	9.3	76.3	8.2	30.3	29.5	5.2	4.6	5.0	1.9	8.2
Observed Location of Household										
City	44.7	226.3	5.1	93.1	84.2	18.6	13.3	12.9	4.3	3.4
Town	15.8	79.4	5.0	32.9	29.7	6.9	3.9	4.3	1.7	7.9
Suburbs	19.9	125.1	6.3	51.0	47.8	10.4	5.7	7.2	3.1	6.1
Rural or Open Country	16.2	91.7	5.6	35.4	35.0	8.2	5.3	5.5	2.3	8.0
Ownership of Unit										
Owned	63.2	373.4	5.9	147.6	141.9	30.6	21.4	23.1	8.8	2.7
Rented	33.4	149.1	4.5	64.7	54.7	13.5	6.9	6.8	2.6	4.3

See footnotes at end of table.

**Table 3.22. Light Usage by Type of Bulb,
U.S. Households and Lights, 1993 (Continued)**

Housing Unit and Household Characteristics	Total Households (millions)	Lights Used One or More Hours Per Day								RSE Row Factors
		Total Lights (millions)	Average per Household	Incandescent Lights (millions)			Fluorescent Lights (millions)			
				1 to 4 Hours	4 to 12 Hours	More than 12 Hours	1 to 4 Hours	4 to 12 Hours	More than 12 Hours	
RSE Column Factor:	0.7	0.7	0.4	0.8	0.8	1.4	1.5	1.5	2.4	
Type and Ownership of Housing Unit										
Single-Family Detached	59.6	356.6	6.0	141.9	134.9	29.8	20.0	21.5	8.5	3.0
Owned	51.3	314.4	6.1	124.1	119.6	25.4	18.1	19.5	7.7	3.2
Rented	8.2	42.2	5.1	17.8	15.3	4.4	1.9	2.0	0.8	8.7
Single-Family Attached	7.2	37.8	5.2	15.7	13.7	3.1	2.4	2.3	0.7	10.8
Owned	4.4	23.8	5.4	9.3	8.4	2.0	1.7	1.8	0.6	13.0
Rented	2.8	14.0	5.0	6.4	5.2	1.1	0.7	0.5	0.1	13.9
Multifamily (2 to 4 units)	8.0	35.1	4.4	15.4	12.6	3.2	1.6	1.8	0.5	9.6
Owned	1.5	7.3	4.9	3.0	2.7	0.6	0.4	0.4	Q	16.5
Rented	6.5	27.8	4.3	12.3	9.9	2.6	1.2	1.4	0.3	10.4
Multifamily (5 or more units)	16.2	68.0	4.2	29.2	25.2	5.3	3.5	3.3	1.5	7.4
Owned	1.6	7.3	4.7	2.9	2.7	0.5	0.6	0.6	Q	26.5
Rented	14.7	60.7	4.1	26.3	22.5	4.9	2.9	2.7	1.4	7.5
Mobile Home	5.6	25.0	4.5	10.2	10.2	2.6	0.8	0.9	0.3	11.3
Owned	4.4	20.6	4.7	8.3	8.5	2.2	0.6	0.7	0.3	12.6
Rented	1.2	4.4	3.8	1.9	1.7	0.5	0.2	0.2	Q	19.3
Year of Construction										
1939 or Before	20.4	104.4	5.1	42.7	38.3	8.7	5.8	6.4	2.4	6.3
1940 to 1949	6.9	35.1	5.1	14.4	12.6	3.8	1.9	1.7	0.8	10.0
1950 to 1959	13.1	72.0	5.5	28.6	27.4	6.4	3.7	3.9	1.9	6.9
1960 to 1969	15.0	79.2	5.3	31.6	30.0	6.6	4.4	4.3	2.2	6.8
1970 to 1979	18.1	99.2	5.5	39.9	38.6	8.0	5.3	5.5	1.9	6.0
1980 to 1984	8.5	48.4	5.7	19.6	17.5	4.7	2.8	2.9	0.8	7.9
1985 to 1987	5.5	30.3	5.5	12.8	11.5	2.0	1.6	2.0	0.4	10.9
1988 to 1990	4.7	27.7	5.9	11.6	10.6	2.3	1.3	1.4	0.6	9.3
1991 to 1993 ¹	4.5	26.3	5.9	11.0	10.0	1.6	1.3	1.8	0.5	11.4
Total Number of Rooms (Excluding Bathrooms)										
1 or 2	3.2	10.2	3.2	4.6	3.8	0.6	0.5	0.5	Q	18.1
3 to 5	47.4	210.3	4.4	88.8	78.0	18.1	11.2	10.2	4.0	3.6
6 to 8	40.2	250.4	6.2	99.4	94.6	21.2	13.6	15.9	5.7	3.6
9 or More	5.8	51.7	8.8	19.6	20.2	4.1	3.0	3.3	1.5	10.1
Bedrooms										
None or 1	12.9	46.5	3.6	21.0	17.1	3.3	2.3	2.0	0.8	8.2
2	30.0	135.2	4.5	55.5	50.3	11.7	7.8	7.4	2.6	4.7
3	38.5	222.5	5.8	89.9	84.3	18.8	11.2	13.6	4.6	3.4
4 or More	15.2	118.3	7.8	46.0	44.9	10.3	7.0	6.9	3.3	6.1
Other Rooms (Excluding Bathrooms)										
None or 1	4.4	16.3	3.7	6.8	6.2	1.2	0.8	1.0	0.3	13.1
2	35.6	160.2	4.5	68.7	59.7	13.9	7.7	7.2	3.0	4.2
3	31.7	168.8	5.3	68.4	63.4	14.2	9.4	9.7	3.7	4.2
4	16.3	106.9	6.6	41.4	41.0	9.1	5.7	6.7	2.9	5.1
5 or More	8.7	70.4	8.1	27.1	26.2	5.7	4.5	5.2	1.6	8.0

See footnotes at end of table.

**Table 3.22. Light Usage by Type of Bulb,
U.S. Households and Lights, 1993 (Continued)**

Housing Unit and Household Characteristics	Total Households (millions)	Lights Used One or More Hours Per Day								RSE Row Factors
		Total Lights (millions)	Average per Household	Incandescent Lights (millions)			Fluorescent Lights (millions)			
				1 to 4 Hours	4 to 12 Hours	More than 12 Hours	1 to 4 Hours	4 to 12 Hours	More than 12 Hours	
RSE Column Factor:	0.7	0.7	0.4	0.8	0.8	1.4	1.5	1.5	2.4	
Full Bathrooms										
None or 1	61.6	287.8	4.7	120.6	107.6	25.5	14.1	14.5	5.6	3.1
2	30.9	196.2	6.3	77.3	74.0	15.4	11.7	12.9	4.8	4.0
3 or More	4.1	38.6	9.4	14.5	15.0	3.2	2.4	2.5	1.0	11.5
Half Bathrooms										
None	71.5	358.4	5.0	148.5	132.3	30.1	19.3	20.3	7.9	2.6
1	23.9	155.6	6.5	60.2	61.5	13.2	8.4	9.0	3.3	5.0
2 or More	1.2	8.6	7.1	3.7	2.7	0.8	0.6	0.5	0.2	18.9
Number of Stories										
Single-Family Homes	66.8	394.4	5.9	157.6	148.6	32.9	22.3	23.9	9.2	2.7
1 Story	40.6	218.1	5.4	86.3	80.7	19.4	12.8	13.5	5.4	3.7
2 Stories	22.4	146.8	6.6	59.4	56.2	11.1	8.2	8.7	3.2	5.2
3 Stories	1.6	14.3	8.8	5.5	5.9	1.3	0.7	0.8	0.2	20.6
Split-Level	2.2	14.8	6.9	6.2	5.6	1.1	0.6	0.9	0.4	15.7
Other	Q	Q	10.6	Q	Q	Q	Q	Q	Q	Q
Mobile Homes	5.6	25.0	4.5	10.2	10.2	2.6	0.8	0.9	0.3	11.3
Multi-Story Apartment Building	24.2	103.1	4.3	44.6	37.8	8.6	5.1	5.1	1.9	5.7
Lighting										
Indoor Light Usage										
1 to 4 Hours a Day										
Yes	87.0	493.3	5.7	212.4	176.8	38.5	28.2	27.0	10.4	2.3
No	9.6	29.3	3.0	Q	19.8	5.6	Q	2.9	1.0	7.6
4 to 12 Hours a Day										
Yes	83.2	487.8	5.9	187.3	196.6	38.8	25.1	29.9	10.2	2.3
No	13.4	34.7	2.6	25.0	Q	5.3	3.1	Q	1.2	6.2
More than 12 Hours a Day										
Yes	30.3	209.4	6.9	67.2	68.5	44.1	8.8	9.5	11.4	3.9
No	66.4	313.1	4.7	145.2	128.1	Q	19.5	20.4	Q	2.7
Compact Fluorescent Light Bulbs Used										
Yes	8.6	55.3	6.5	18.9	17.6	4.1	5.2	7.2	2.4	6.7
No	88.1	467.2	5.3	193.4	179.0	40.0	23.1	22.7	9.0	2.3
Halogen Light Bulbs Used										
Yes	11.2	72.8	6.5	28.3	27.0	5.7	4.9	5.1	1.8	6.1
No	85.4	449.8	5.3	184.1	169.6	38.4	23.3	24.8	9.6	2.3
1993 Family Income Category										
Less than \$5,000	4.1	15.3	3.8	6.1	6.0	1.8	0.6	0.6	0.3	11.6
\$5,000 to \$9,999	10.6	38.8	3.7	17.1	12.9	4.2	2.2	1.6	0.8	7.3
\$10,000 to \$14,999	11.1	47.9	4.3	20.2	17.5	4.7	2.5	2.3	0.8	6.7
\$15,000 to \$19,999	9.6	46.8	4.9	18.6	17.6	4.5	2.4	2.7	1.1	7.5
\$20,000 to \$24,999	8.7	42.3	4.8	16.8	16.1	3.5	2.8	2.3	0.8	7.7
\$25,000 to \$34,999	14.1	77.2	5.5	31.5	28.8	6.7	4.0	4.2	1.9	6.1
\$35,000 to \$49,999	17.5	106.6	6.1	43.5	40.7	8.2	5.3	6.3	2.5	5.0
\$50,000 to \$74,999	12.6	83.3	6.6	34.0	30.9	6.0	4.7	5.8	1.9	5.8
\$75,000 or More	8.3	64.4	7.7	24.6	26.1	4.4	3.8	4.2	1.4	9.1

See footnotes at end of table.

**Table 3.22. Light Usage by Type of Bulb,
U.S. Households and Lights, 1993 (Continued)**

Housing Unit and Household Characteristics	Total Households (millions)	Lights Used One or More Hours Per Day								RSE Row Factors
		Total Lights (millions)	Average per Household	Incandescent Lights (millions)			Fluorescent Lights (millions)			
				1 to 4 Hours	4 to 12 Hours	More than 12 Hours	1 to 4 Hours	4 to 12 Hours	More than 12 Hours	
RSE Column Factor:	0.7	0.7	0.4	0.8	0.8	1.4	1.5	1.5	2.4	
Below Poverty Line										
100 Percent	14.4	59.2	4.1	25.5	20.8	6.9	2.7	2.4	1.0	6.1
125 Percent	19.4	81.9	4.2	34.9	28.9	9.4	3.8	3.4	1.6	5.3
Eligible for Federal Assistance²	30.7	132.1	4.3	55.2	48.2	13.8	6.6	5.8	2.4	4.4
Payment Method for Fuel and Electricity										
All Paid by Household	83.1	464.0	5.6	187.1	174.9	38.9	25.5	27.3	10.2	2.4
Some Paid, Some in Rent	8.3	36.2	4.4	16.0	13.0	3.3	1.6	1.5	0.9	8.8
All Included in Rent	4.1	15.9	3.9	6.9	6.0	1.1	0.8	0.9	0.2	13.0
Other Method	1.1	6.4	5.8	2.3	2.7	0.7	0.4	0.2	Q	33.8
Age of Householder										
Under 25 Years	5.7	25.5	4.5	11.1	9.8	2.2	1.2	0.9	0.3	10.8
25 to 34 Years	19.9	107.5	5.4	46.9	39.9	9.2	4.2	5.1	2.3	4.9
35 to 44 Years	21.4	134.6	6.3	57.2	50.8	10.5	6.6	7.2	2.4	4.3
45 to 59 Years	21.9	125.8	5.8	48.2	48.7	10.6	7.3	8.1	2.9	5.0
60 Years and Over	27.8	129.1	4.6	49.0	47.4	11.5	9.0	8.7	3.5	4.2
Race of Householder										
White	80.2	447.6	5.6	179.7	168.7	37.4	24.9	26.6	10.3	2.5
Black	10.9	47.4	4.3	21.3	17.2	4.6	2.0	1.7	0.6	8.2
Other ³	5.5	27.5	5.0	11.3	10.7	2.0	1.3	1.6	0.5	10.9
Householder of Hispanic Descent										
Yes	7.9	35.3	4.5	16.0	12.9	2.4	1.9	1.6	0.6	9.5
No	88.7	487.2	5.5	196.4	183.7	41.7	26.3	28.2	10.9	2.3
Household Size										
1 Person	23.5	89.2	3.8	38.1	32.8	7.2	4.6	4.9	1.6	4.5
2 Persons	31.7	165.4	5.2	63.5	62.9	13.2	10.9	10.8	4.1	3.5
3 Persons	16.6	96.6	5.8	39.6	36.2	8.4	4.7	5.6	2.2	6.5
4 Persons	14.6	98.1	6.7	39.8	37.3	8.4	5.1	5.5	2.0	5.0
5 Persons	6.8	49.3	7.3	20.6	18.8	4.5	2.0	2.4	1.0	8.4
6 or More Persons	3.5	24.0	6.9	10.8	8.6	2.4	0.9	0.8	0.6	10.8

¹ Does not include all new construction for 1993.

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

³ Includes 1.7 million householders who described themselves as Hispanic rather than White, Black, or other.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.23a. Usage Indicators by Census Region and Climate Zone,
Million U.S. Households, 1993**

Usage Indicators	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.8	0.8	0.7	0.7	2.5	1.4	1.3	1.5	1.2	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	6.4
Weekday Home Activities											
Home Used for Business											
Yes	6.1	1.0	1.5	2.0	1.6	0.7	1.8	1.1	1.3	1.3	11.4
No	90.5	18.5	21.8	31.5	18.7	8.0	24.7	21.4	16.5	19.9	6.5
Energy-Intensive Activity											
Yes	2.5	0.3	0.7	1.0	0.6	0.2	0.7	0.4	0.4	0.8	17.8
No	94.1	19.2	22.6	32.5	19.8	8.5	25.8	22.0	17.4	20.4	6.5
Someone Home All Day											
Yes	46.0	8.9	11.1	16.1	9.9	4.3	12.7	9.8	9.1	10.1	6.3
No	50.7	10.6	12.2	17.4	10.4	4.4	13.8	12.6	8.7	11.1	6.1
Heating											
Thermostat Available During Heating Season											
Yes	80.2	15.5	21.3	26.9	16.5	7.6	24.4	17.6	13.6	17.0	4.2
No	15.5	3.9	2.0	6.4	3.2	1.1	2.1	4.9	3.9	3.6	10.3
Set-Back or Clock Thermostat in Home											
Yes	10.8	2.9	2.0	2.9	3.2	0.5	2.9	2.8	2.0	2.7	12.4
No	85.8	16.6	21.3	30.6	17.2	8.2	23.6	19.7	15.8	18.5	4.5
Winter Temperature Settings											
Lower When No One Home											
Yes	43.2	7.9	9.3	14.9	11.1	3.8	11.6	8.4	9.3	10.1	6.3
No	53.4	11.6	14.0	18.6	9.3	4.9	14.9	14.1	8.5	11.1	5.5
Lower During Sleeping Hours											
Yes	46.4	9.1	9.1	15.8	12.5	3.7	11.3	10.1	10.5	10.8	6.0
No	50.2	10.4	14.2	17.7	7.9	5.0	15.2	12.4	7.3	10.4	6.0
Daytime Winter Temperature When Someone is at Home											
Heat is Turned On	89.1	18.4	22.8	30.6	17.3	8.5	25.8	21.1	15.1	18.6	4.9
63 Degrees or Less	3.3	1.1	0.6	0.8	0.9	0.4	0.9	1.0	0.6	0.4	15.3
64 to 66 Degrees	8.9	2.5	1.6	2.4	2.5	0.9	2.6	2.2	1.8	1.3	10.8
67 to 69 Degrees	22.3	5.5	6.6	5.9	4.4	3.0	7.1	5.4	3.4	3.4	8.0
70 Degrees	28.7	6.1	7.4	9.7	5.5	2.5	8.7	6.9	4.7	5.8	6.7
71 to 73 Degrees	13.9	1.9	4.2	5.7	2.1	1.0	4.1	3.3	2.0	3.6	9.5
74 Degrees or More	12.0	1.4	2.5	6.2	2.0	0.7	2.4	2.3	2.5	4.1	10.3
Heat Turned Off	3.2	Q	Q	1.3	1.8	Q	0.1	0.2	1.7	1.2	24.0
Unknown/No Answer	4.3	1.1	0.5	1.6	1.2	0.2	0.6	1.2	1.0	1.3	13.7

See footnotes at end of table.

**Table 3.23b. Usage Indicators by Census Region and Climate Zone,
Percent of U.S. Households, 1993**

Usage Indicators	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.5	1.0	1.0	0.9	1.0	1.5	1.0	1.1	1.1	1.2	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Weekday Home Activities											
Home Used for Business											
Yes	6.3	4.9	6.5	6.0	8.1	7.7	6.7	4.8	7.2	6.1	10.6
No	93.7	95.1	93.5	94.0	91.9	92.3	93.3	95.2	92.8	93.9	NE
Energy-Intensive Activity											
Yes	2.6	1.4	3.1	2.9	2.8	2.0	2.7	1.9	2.3	3.8	17.3
No	97.4	98.6	96.9	97.1	97.2	98.0	97.3	98.1	97.7	96.2	NE
Someone Home All Day											
Yes	47.6	45.6	47.4	48.1	48.7	49.5	47.8	43.8	51.1	47.5	4.2
No	52.4	54.4	52.6	51.9	51.3	50.5	52.2	56.2	48.9	52.5	3.8
Heating											
Thermostat Available During Heating Season											
Yes	83.0	79.8	91.3	80.4	80.9	87.2	92.1	78.4	76.4	80.3	1.8
No	16.1	20.2	8.7	19.0	15.8	12.8	7.9	21.6	21.8	17.0	9.5
Set-Back or Clock Thermostat in Home											
Yes	11.2	14.7	8.5	8.6	15.5	5.6	11.0	12.4	11.4	12.5	11.8
No	88.8	85.3	91.5	91.4	84.5	94.4	89.0	87.6	88.6	87.5	1.7
Winter Temperature Settings											
Lower When No One Home											
Yes	44.7	40.6	40.1	44.5	54.4	44.1	43.8	37.3	52.5	47.6	4.1
No	55.3	59.4	59.9	55.5	45.6	55.9	56.2	62.7	47.5	52.4	3.3
Lower During Sleeping Hours											
Yes	48.1	46.7	38.9	47.2	61.2	42.7	42.8	44.8	59.2	51.0	4.2
No	51.9	53.3	61.1	52.8	38.8	57.3	57.2	55.2	40.8	49.0	3.9
Daytime Winter Temperature When Someone is at Home											
Heat is Turned On	92.2	94.3	97.8	91.5	85.1	98.1	97.3	93.8	84.9	88.0	1.8
63 Degrees or Less	3.4	5.6	2.4	2.2	4.5	4.5	3.5	4.3	3.6	1.8	14.4
64 to 66 Degrees	9.2	12.6	6.7	7.1	12.1	10.8	9.8	9.9	10.1	6.1	9.3
67 to 69 Degrees	23.1	28.0	28.3	17.6	21.5	34.1	26.9	24.0	19.3	16.1	5.7
70 Degrees	29.7	31.2	31.7	29.1	27.1	29.1	32.8	30.8	26.7	27.6	4.6
71 to 73 Degrees	14.4	10.0	18.0	16.9	10.2	11.3	15.3	14.5	11.3	16.9	7.0
74 Degrees or More	12.4	6.9	10.6	18.5	9.7	8.3	8.9	10.3	13.9	19.4	8.9
Heat Turned Off	3.3	Q	Q	3.8	9.0	Q	0.5	0.8	9.3	5.9	25.7
Unknown/No Answer	4.4	5.4	2.0	4.7	5.9	1.9	2.2	5.4	5.8	6.2	14.0

See footnotes at end of table.

**Table 3.23a. Usage Indicators by Census Region and Climate Zone,
Million U.S. Households, 1993 (Continued)**

Usage Indicators	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.8	0.8	0.7	0.7	2.5	1.4	1.3	1.5	1.2	
Daytime Winter Temperature When No One is at Home											
Heat is Turned On	75.0	17.8	22.5	23.8	10.9	8.4	25.0	19.6	9.3	12.8	6.3
63 Degrees or Less	17.0	4.5	4.1	4.6	3.8	2.4	5.3	3.9	2.7	2.7	9.5
64 to 66 Degrees	14.7	3.7	4.3	4.5	2.2	1.7	5.3	3.7	1.7	2.3	8.8
67 to 69 Degrees	15.6	3.8	5.1	4.9	1.8	1.9	5.3	4.1	1.7	2.7	10.7
70 Degrees	15.7	3.9	5.0	4.8	1.9	1.5	5.4	4.8	1.7	2.3	8.9
71 to 73 Degrees	6.9	1.1	2.7	2.5	0.6	0.6	2.5	1.8	0.7	1.4	12.4
74 Degrees or More	5.1	0.8	1.4	2.4	0.5	0.4	1.2	1.3	0.7	1.6	14.5
Heat Turned Off	17.8	0.6	0.4	8.4	8.5	Q	1.0	1.7	7.8	7.3	11.8
Unknown/No Answer	3.8	1.1	0.4	1.3	1.0	0.2	0.5	1.2	0.8	1.1	14.2
Winter Temperature During Sleeping Hours											
Heat is Turned On	81.9	18.0	22.7	27.5	13.7	8.5	25.4	20.2	12.1	15.6	5.7
63 Degrees or Less	15.5	4.6	2.9	4.1	3.9	1.9	4.3	4.2	2.8	2.3	9.7
64 to 66 Degrees	16.6	4.3	4.5	4.8	3.0	1.8	5.4	4.5	2.3	2.6	8.3
67 to 69 Degrees	17.6	4.0	5.6	5.4	2.6	2.3	5.9	4.2	2.1	3.1	8.2
70 Degrees	17.6	3.1	5.6	6.5	2.5	1.6	5.8	4.1	2.6	3.6	9.3
71 to 73 Degrees	7.9	1.1	2.7	3.4	0.7	0.5	2.6	1.7	1.1	2.0	12.8
74 Degrees or More	6.6	0.9	1.5	3.3	1.0	0.4	1.5	1.4	1.2	2.1	12.7
Heat Turned Off	10.7	0.3	Q	4.6	5.6	Q	0.5	1.0	4.8	4.4	13.3
Unknown/No Answer	4.1	1.2	0.4	1.4	1.1	0.2	0.6	1.3	0.9	1.2	13.7
Air-Conditioning											
Central Air-Conditioning Use											
All Summer	19.3	0.9	3.0	14.1	1.2	0.2	2.4	4.2	3.3	9.2	11.6
Quite a Bit	8.9	1.2	2.7	3.8	1.2	0.4	2.5	2.4	1.2	2.5	13.9
Only a Few Times	12.8	1.7	4.9	3.6	2.7	1.6	3.9	2.5	2.3	2.5	11.3
Not at All	1.0	Q	0.2	0.3	0.4	0.2	Q	0.1	0.3	0.3	28.6
No Central System	54.6	15.5	12.5	11.7	14.8	6.3	17.6	13.3	10.7	6.7	6.4
Window Air-Conditioning Use											
All Summer	4.8	0.7	0.7	3.3	Q	Q	0.8	1.2	1.2	1.5	15.9
Quite a Bit	6.1	2.1	1.5	2.3	0.3	0.2	1.6	2.4	0.8	1.2	16.0
Only a Few Times	13.4	4.6	3.9	3.1	1.8	1.6	4.5	3.8	1.9	1.7	11.6
Not at All	1.5	0.3	0.5	0.3	0.4	0.2	0.5	0.3	0.3	0.3	23.1
No Window Units	70.9	11.9	16.7	24.5	17.8	6.6	19.1	14.8	13.7	16.6	4.6
Hot Water											
Number of Showers/Baths Taken Each Week											
9 or Fewer	28.4	6.0	7.6	8.7	6.1	3.0	8.6	6.4	5.3	5.1	6.5
10 to 20	41.5	8.5	9.9	14.7	8.5	3.7	11.4	9.9	7.2	9.4	5.4
21 or More	26.4	5.0	5.8	9.9	5.7	1.9	6.5	6.1	5.3	6.6	7.4
Not Applicable	0.3	Q	Q	0.2	Q	Q	Q	Q	Q	Q	57.1

See footnotes at end of table.

**Table 3.23b. Usage Indicators by Census Region and Climate Zone,
Percent of U.S. Households, 1993 (Continued)**

Usage Indicators	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.5	1.0	1.0	0.9	1.0	1.5	1.0	1.1	1.1	1.2	
Daytime Winter Temperature When No One is at Home											
Heat is Turned On	77.6	91.5	96.7	71.1	53.3	97.2	94.2	87.1	52.2	60.3	2.6
63 Degrees or Less	17.6	23.1	17.4	13.8	18.7	27.2	20.0	17.6	15.2	12.6	7.4
64 to 66 Degrees	15.2	19.0	18.3	13.6	10.7	19.8	20.1	16.3	9.6	10.8	6.8
67 to 69 Degrees	16.2	19.5	21.9	14.5	9.1	21.7	19.8	18.3	9.6	12.5	8.6
70 Degrees	16.3	20.2	21.6	14.3	9.6	17.4	20.4	21.5	9.7	10.7	7.1
71 to 73 Degrees	7.2	5.7	11.7	7.5	2.8	6.7	9.4	7.8	4.1	6.5	10.5
74 Degrees or More	5.3	4.0	5.9	7.3	2.5	4.3	4.6	5.7	3.9	7.3	13.3
Heat Turned Off	18.4	3.0	1.6	25.0	41.7	Q	3.7	7.5	43.6	34.4	10.5
Unknown/No Answer	3.9	5.5	1.7	3.9	5.0	1.9	2.0	5.4	4.2	5.3	14.4
Winter Temperature During Sleeping Hours											
Heat is Turned On	84.7	92.5	97.5	82.0	67.1	97.6	95.9	90.1	68.0	73.7	2.2
63 Degrees or Less	16.0	23.7	12.5	12.1	18.9	22.0	16.3	18.8	15.5	10.6	8.0
64 to 66 Degrees	17.2	22.1	19.3	14.3	14.9	20.7	20.4	20.2	12.8	12.4	6.5
67 to 69 Degrees	18.2	20.8	24.0	16.1	12.7	26.8	22.1	18.7	11.9	14.7	5.8
70 Degrees	18.2	15.7	23.9	19.5	12.1	18.0	21.8	18.3	14.5	16.9	7.3
71 to 73 Degrees	8.2	5.6	11.5	10.1	3.6	5.9	9.7	7.6	6.4	9.2	10.7
74 Degrees or More	6.9	4.6	6.3	9.7	4.9	4.1	5.6	6.4	6.8	10.0	11.6
Heat Turned Off	11.0	1.5	Q	13.8	27.5	Q	1.8	4.3	26.9	20.7	12.4
Unknown/No Answer	4.3	6.0	1.9	4.2	5.4	1.9	2.2	5.6	5.1	5.6	13.9
Air-Conditioning											
Central Air-Conditioning Use											
All Summer	20.0	4.7	12.9	42.1	6.1	2.4	8.9	18.6	18.6	43.6	9.8
Quite a Bit	9.2	6.2	11.6	11.3	6.1	4.6	9.4	10.5	6.8	11.7	12.7
Only a Few Times	13.3	8.7	20.9	10.7	13.3	18.8	14.8	11.0	12.7	12.0	9.9
Not at All	1.0	Q	0.9	1.0	1.7	2.0	Q	0.7	1.7	1.2	28.7
No Central System	56.5	79.8	53.7	34.9	72.8	72.2	66.4	59.2	60.2	31.5	4.6
Window Air-Conditioning Use											
All Summer	5.0	3.6	3.1	9.8	Q	Q	3.2	5.2	6.7	7.2	14.0
Quite a Bit	6.3	10.6	6.2	6.7	1.4	2.4	5.9	10.5	4.3	5.5	14.2
Only a Few Times	13.9	23.4	16.8	9.3	8.9	18.3	16.8	17.1	10.5	7.9	9.8
Not at All	1.6	1.4	2.2	1.0	1.9	2.5	1.8	1.2	1.6	1.2	22.6
No Window Units	73.3	61.0	71.6	73.2	87.3	76.2	72.3	66.1	76.9	78.1	2.7
Hot Water											
Number of Showers/Baths Taken Each Week											
9 or Fewer	29.4	30.6	32.7	26.0	30.0	34.8	32.4	28.5	29.9	24.1	4.2
10 to 20	43.0	43.6	42.3	43.8	41.9	42.4	42.9	44.2	40.2	44.4	3.4
21 or More	27.3	25.8	25.0	29.6	27.8	22.1	24.7	27.0	29.8	31.1	5.5
Not Applicable	0.3	Q	Q	0.6	Q	Q	Q	Q	Q	Q	44.3

See footnotes at end of table.

**Table 3.23a. Usage Indicators by Census Region and Climate Zone,
Million U.S. Households, 1993 (Continued)**

Usage Indicators	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Fewer than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.8	0.8	0.7	0.7	2.5	1.4	1.3	1.5	1.2	
Hot Water (continued)											
Loads of Laundry Washed Each Week											
1 to 5 Loads	36.5	7.6	7.8	13.2	7.9	3.2	9.5	8.9	7.0	8.0	5.4
6 to 10 Loads	25.0	4.7	6.5	9.0	4.8	2.4	7.2	5.4	4.2	5.8	6.7
11 to 15 Loads	8.6	1.4	2.7	3.1	1.3	1.2	2.4	1.8	1.3	1.9	11.6
16 or More Loads	4.3	0.8	1.4	1.6	0.7	0.5	1.4	0.9	0.8	0.8	16.5
No Washing Machine	22.2	5.1	4.9	6.5	5.7	1.4	6.0	5.4	4.6	4.8	8.0
Dishwasher Use											
Less Than Once a Week	2.3	0.3	0.6	0.9	0.5	0.3	0.6	0.4	0.5	0.6	18.7
A Few Times a Week	21.3	4.0	3.9	7.7	5.7	1.3	5.3	5.1	3.9	5.7	8.1
Several Times a Week	11.8	2.4	2.8	4.3	2.4	1.2	3.3	3.0	1.8	2.6	9.0
Every Day	7.3	1.2	1.8	2.6	1.6	0.7	1.9	1.8	1.4	1.5	11.8
More Than Every Day	1.0	0.2	0.3	0.3	0.3	Q	0.3	0.3	0.3	0.1	34.2
No Dishwasher	52.9	11.4	13.9	17.8	9.8	5.1	15.1	12.0	10.0	10.7	5.5
Cooking											
Number of Hot Meals Cooked in the Home											
2 or More a Day	34.7	6.5	8.5	11.5	8.2	3.3	8.8	8.1	7.1	7.3	6.3
1 a Day	42.8	9.7	10.2	14.6	8.2	4.2	12.2	9.9	7.1	9.5	5.5
A Few per Week	15.4	2.6	3.6	5.8	3.3	1.0	4.4	3.7	2.9	3.5	8.9
About 1 a Week	2.0	0.3	0.5	0.9	0.4	Q	0.6	0.4	0.4	0.5	19.8
Less Than 1 a Week	1.8	0.3	0.5	0.7	0.3	Q	0.6	0.5	0.3	0.4	22.3
Amount of Food Cooked in Microwave Oven											
Most or All	4.7	0.9	1.1	1.4	1.3	0.4	1.2	1.3	0.8	1.0	14.2
About Half	13.1	1.8	4.1	4.1	3.2	1.5	4.0	2.8	2.3	2.5	9.6
Some or Very Little	22.2	3.8	6.0	7.2	5.3	2.6	6.4	5.0	4.1	4.2	7.8
Only for Defrosting, Reheating, or Snacks	41.2	8.6	9.7	15.2	7.7	3.1	11.3	9.4	7.5	9.9	6.5
No Microwave Oven	15.3	4.3	2.5	5.7	2.8	1.1	3.6	4.0	3.1	3.6	8.9
Lighting											
Indoor Light Usage 1 to 4 Hours a Day											
Yes	87.0	17.4	21.8	29.9	18.0	8.0	24.2	20.6	15.6	18.7	3.9
No	9.6	2.1	1.5	3.6	2.4	0.7	2.3	1.9	2.2	2.5	10.9
4 to 12 Hours a Day											
Yes	83.2	17.4	21.1	27.6	17.1	7.8	24.0	19.9	14.4	17.1	3.6
No	13.4	2.0	2.2	5.9	3.3	0.9	2.5	2.6	3.4	4.1	10.2
More than 12 Hours a Day											
Yes	30.3	5.5	7.2	12.6	5.0	2.2	8.0	7.6	5.2	7.2	7.6
No	66.4	14.0	16.1	20.9	15.3	6.5	18.5	14.9	12.6	14.0	4.7
Outdoor Lights											
Used	63.5	10.8	15.5	22.9	14.3	6.5	16.6	13.1	12.1	15.2	5.9
Not Used	33.1	8.7	7.8	10.6	6.0	2.2	9.9	9.3	5.7	6.0	8.5

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.23b. Usage Indicators by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Usage Indicators	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	1.0	0.9	1.0	1.5	1.0	1.1	1.1	1.2	
Hot Water (continued)											
Loads of Laundry Washed Each Week											
1 to 5 Loads	37.8	38.8	33.6	39.5	38.8	36.8	35.7	39.6	39.2	37.7	3.2
6 to 10 Loads	25.8	24.1	27.8	27.0	23.4	27.7	27.2	23.9	23.6	27.3	4.4
11 to 15 Loads	8.9	7.2	11.8	9.4	6.5	13.9	9.2	8.1	7.1	8.9	9.4
16 or More Loads	4.5	3.9	5.8	4.6	3.3	5.7	5.3	4.1	4.3	3.6	14.2
No Washing Machine	22.9	26.0	21.0	19.5	27.9	15.9	22.6	24.3	25.8	22.5	7.1
Dishwasher Use											
Less Than Once a Week	2.4	1.6	2.8	2.6	2.5	3.1	2.2	1.8	2.8	2.8	18.3
A Few Times a Week	22.0	20.6	16.8	22.8	27.9	15.1	20.1	22.7	21.7	26.8	7.4
Several Times a Week	12.2	12.1	11.9	12.8	11.7	13.6	12.4	13.2	10.0	12.2	7.6
Every Day	7.5	6.3	7.7	7.8	8.1	8.0	7.2	7.8	7.8	7.3	10.4
More Than Every Day	1.1	0.9	1.2	0.9	1.5	Q	1.2	1.2	1.5	0.5	31.3
No Dishwasher	54.8	58.5	59.6	53.1	48.4	59.0	57.0	53.4	56.2	50.5	3.2
Cooking											
Number of Hot Meals Cooked in the Home											
2 or More a Day	35.9	33.3	36.5	34.3	40.2	38.4	33.1	36.0	40.0	34.6	4.1
1 a Day	44.3	50.0	43.9	43.7	40.2	48.1	46.0	44.0	39.8	44.7	3.3
A Few per Week	15.9	13.6	15.4	17.4	16.3	11.2	16.5	16.3	16.2	16.4	7.4
About 1 a Week	2.1	1.5	2.0	2.7	1.8	Q	2.2	1.6	2.5	2.4	18.0
Less Than 1 a Week	1.9	1.6	2.3	2.0	1.5	Q	2.2	2.1	1.6	1.9	20.5
Amount of Food Cooked in Microwave Oven											
Most or All	4.9	4.7	4.6	4.2	6.5	4.8	4.4	5.8	4.7	4.6	12.6
About Half	13.6	9.3	17.5	12.1	15.7	17.8	15.1	12.4	12.8	12.0	7.6
Some or Very Little	23.0	19.5	25.6	21.3	26.0	29.7	24.1	22.2	23.0	19.8	6.1
Only for Defrosting, Reheating, or Snacks	42.7	44.2	41.7	45.4	37.8	35.2	42.7	42.0	42.2	46.7	4.3
No Microwave Oven	15.9	22.3	10.6	16.9	14.0	12.6	13.7	17.7	17.2	17.0	7.6
Lighting											
Indoor Light Usage											
1 to 4 Hours a Day											
Yes	90.0	89.3	93.5	89.1	88.2	91.6	91.4	91.5	87.5	88.1	1.2
No	10.0	10.7	6.5	10.9	11.8	8.4	8.6	8.5	12.5	11.9	9.9
4 to 12 Hours a Day											
Yes	86.1	89.5	90.6	82.5	83.8	90.1	90.7	88.5	81.1	80.5	1.4
No	13.9	10.5	9.4	17.5	16.2	9.9	9.3	11.5	18.9	19.5	8.6
More than 12 Hours a Day											
Yes	31.3	28.2	30.8	37.5	24.7	25.2	30.2	33.8	29.4	34.2	5.5
No	68.7	71.8	69.2	62.5	75.3	74.8	69.8	66.2	70.6	65.8	2.4
Outdoor Lights											
Used	65.8	55.3	66.5	68.4	70.5	74.6	62.6	58.6	68.2	71.6	3.4
Not Used	34.2	44.7	33.5	31.6	29.5	25.4	37.4	41.4	31.8	28.4	6.7

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

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

• 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.24a. Usage Indicators by Year of Construction,
Million U.S. Households, 1993**

Usage Indicators	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.3	1.7	1.4	1.4	1.1	0.8	0.9	0.9	1.3	0.9	
Total	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.2
Weekday Home Activities											
Home Used for Business											
Yes	6.1	0.3	0.4	0.4	0.8	1.1	0.8	0.9	0.3	1.2	15.4
No	90.5	4.2	4.3	5.1	7.7	17.1	14.2	12.2	6.6	19.1	5.3
Energy-Intensive Activity											
Yes	2.5	0.1	0.1	0.2	0.3	0.6	0.3	0.4	0.2	0.4	22.7
No	94.1	4.3	4.6	5.3	8.2	17.6	14.8	12.6	6.7	20.0	5.2
Someone Home All Day											
Yes	46.0	1.9	2.1	2.3	3.9	7.9	7.4	6.7	3.4	10.4	6.8
No	50.7	2.6	2.6	3.2	4.6	10.3	7.6	6.4	3.5	10.0	6.9
Heating											
Thermostat Available During Heating Season											
Yes	80.2	4.4	4.3	5.1	7.5	15.6	12.6	10.9	5.0	14.8	5.8
No	15.5	0.1	0.4	0.4	0.9	2.3	2.3	2.0	1.8	5.4	13.1
Set-Back or Clock Thermostat in Home											
Yes	10.8	1.0	0.9	0.7	0.9	1.9	1.5	1.7	0.4	1.7	13.7
No	85.8	3.4	3.8	4.8	7.6	16.2	13.5	11.4	6.5	18.6	5.4
Winter Temperature Settings											
Lower When No One Home											
Yes	43.2	2.3	2.2	2.9	4.1	8.2	6.7	6.3	3.1	7.4	6.7
No	53.4	2.2	2.5	2.6	4.4	9.9	8.4	6.7	3.8	13.0	6.4
Lower During Sleeping Hours											
Yes	46.4	2.2	2.2	2.9	4.2	8.5	7.1	7.2	3.6	8.6	6.6
No	50.2	2.3	2.5	2.6	4.3	9.7	7.9	5.8	3.3	11.7	6.7
Daytime Winter Temperature When Someone is at Home											
Heat is Turned On	89.1	4.4	4.5	5.1	8.0	16.6	13.7	12.0	6.4	18.4	5.5
63 Degrees or Less	3.3	0.1	0.1	0.2	0.2	0.7	0.5	0.5	0.3	0.8	21.7
64 to 66 Degrees	8.9	0.5	0.5	0.4	0.9	1.6	1.4	0.9	0.6	2.2	13.4
67 to 69 Degrees	22.3	1.4	1.3	1.5	1.8	3.7	3.5	3.1	1.4	4.8	9.7
70 Degrees	28.7	1.3	1.5	1.5	2.1	5.8	4.7	4.3	1.8	5.7	7.3
71 to 73 Degrees	13.9	0.7	0.6	0.9	1.7	2.7	2.2	1.5	1.0	2.5	11.1
74 Degrees or More	12.0	0.4	0.5	0.7	1.3	2.1	1.5	1.6	1.3	2.5	11.2
Heat Turned Off	3.2	Q	0.1	0.2	Q	0.9	0.5	0.6	Q	0.5	26.6
Unknown/No Answer	4.3	Q	0.1	Q	0.2	0.7	0.9	0.5	0.4	1.4	20.3

See footnotes at end of table.

**Table 3.24b. Usage Indicators by Year of Construction,
Percent of U.S. Households, 1993**

Usage Indicators	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.5	1.3	1.4	1.2	0.9	0.9	1.0	1.2	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Weekday Home Activities											
Home Used for Business											
Yes	6.3	6.8	8.4	6.6	8.9	6.0	5.2	6.8	4.2	6.0	14.6
No	93.7	93.2	91.6	93.4	91.1	94.0	94.8	93.2	95.8	94.0	NE
Energy-Intensive Activity											
Yes	2.6	3.2	2.5	3.5	3.7	3.1	1.7	3.3	2.3	1.7	21.7
No	97.4	96.8	97.5	96.5	96.3	96.9	98.3	96.7	97.7	98.3	NE
Someone Home All Day											
Yes	47.6	42.0	45.0	41.7	45.6	43.4	49.5	51.4	49.2	51.1	5.0
No	52.4	58.0	55.0	58.3	54.4	56.6	50.5	48.6	50.8	48.9	4.4
Heating											
Thermostat Available During Heating Season											
Yes	83.0	98.2	91.6	93.0	88.9	86.2	83.6	83.4	72.1	72.6	2.0
No	16.1	1.8	7.8	7.0	10.6	12.6	15.0	15.3	26.7	26.7	12.8
Set-Back or Clock Thermostat in Home											
Yes	11.2	23.3	18.9	13.1	10.6	10.5	10.1	13.0	6.2	8.6	12.7
No	88.8	76.7	81.1	86.9	89.4	89.5	89.9	87.0	93.8	91.4	1.7
Winter Temperature Settings											
Lower When No One Home											
Yes	44.7	50.5	46.5	53.4	48.0	45.5	44.4	48.6	45.2	36.3	4.6
No	55.3	49.5	53.5	46.6	52.0	54.5	55.6	51.4	54.8	63.7	3.9
Lower During Sleeping Hours											
Yes	48.1	48.7	46.0	52.2	49.1	46.7	47.5	55.4	52.0	42.5	4.4
No	51.9	51.3	54.0	47.8	50.9	53.3	52.5	44.6	48.0	57.5	4.2
Daytime Winter Temperature When Someone is at Home											
Heat is Turned On	92.2	97.8	95.2	93.8	94.9	91.5	91.0	91.7	92.6	90.6	1.5
63 Degrees or Less	3.4	2.0	2.0	3.4	2.5	3.9	3.1	3.6	3.7	4.1	21.4
64 to 66 Degrees	9.2	11.8	9.7	6.4	10.4	8.7	9.2	7.1	8.1	10.7	12.7
67 to 69 Degrees	23.1	30.2	26.7	27.3	20.7	20.1	23.1	24.1	20.9	23.4	7.3
70 Degrees	29.7	28.1	31.7	27.5	25.0	32.1	31.2	33.1	26.0	28.1	5.9
71 to 73 Degrees	14.4	16.6	13.6	15.9	20.6	15.0	14.4	11.5	14.4	12.3	9.7
74 Degrees or More	12.4	9.2	11.5	13.2	15.6	11.5	10.0	12.2	19.4	12.1	10.4
Heat Turned Off	3.3	Q	2.8	4.3	Q	4.8	3.2	4.4	Q	2.5	26.2
Unknown/No Answer	4.4	Q	2.0	Q	2.6	3.8	5.8	3.9	5.6	6.9	19.8

See footnotes at end of table.

**Table 3.24a. Usage Indicators by Year of Construction,
Million U.S. Households, 1993 (Continued)**

Usage Indicators	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.3	1.7	1.4	1.4	1.1	0.8	0.9	0.9	1.3	0.9	
Daytime Winter Temperature											
When No One is at Home											
Heat is Turned On	75.0	3.8	3.9	4.2	6.6	13.8	11.4	9.5	5.2	16.6	5.9
63 Degrees or Less	17.0	1.0	0.8	0.9	1.6	3.1	2.3	2.2	1.4	3.7	10.2
64 to 66 Degrees	14.7	0.8	0.8	1.1	1.5	2.6	2.4	1.9	0.8	2.8	10.4
67 to 69 Degrees	15.6	1.0	1.0	1.0	1.3	2.7	2.3	1.9	1.0	3.4	11.2
70 Degrees	15.7	0.5	0.7	0.7	0.9	3.1	2.7	2.2	1.0	3.9	10.1
71 to 73 Degrees	6.9	0.4	0.3	0.3	0.8	1.4	1.0	0.7	0.4	1.6	15.0
74 Degrees or More	5.1	0.2	0.2	0.2	0.5	1.0	0.7	0.6	0.6	1.2	16.8
Heat Turned Off	17.8	0.7	0.8	1.2	1.7	3.6	2.8	3.2	1.4	2.4	11.1
Unknown/No Answer	3.8	Q	0.1	Q	Q	0.7	0.8	0.4	0.3	1.3	19.1
Winter Temperature											
During Sleeping Hours											
Heat is Turned On	81.9	4.1	4.3	4.7	7.3	15.2	12.5	10.6	5.7	17.4	5.6
63 Degrees or Less	15.5	0.6	0.7	0.7	1.3	2.8	2.3	2.1	1.3	3.6	10.7
64 to 66 Degrees	16.6	1.0	0.9	1.1	1.5	2.7	2.6	2.2	1.3	3.5	10.1
67 to 69 Degrees	17.6	1.1	1.0	1.0	1.3	3.5	2.6	2.5	1.1	3.6	10.6
70 Degrees	17.6	0.7	1.0	0.9	1.3	3.4	3.1	2.3	1.1	3.8	10.0
71 to 73 Degrees	7.9	0.5	0.4	0.5	1.0	1.7	1.2	0.7	0.4	1.6	14.6
74 Degrees or More	6.6	0.2	0.4	0.5	0.9	1.2	0.7	0.8	0.6	1.3	14.5
Heat Turned Off	10.7	0.4	0.3	0.7	1.0	2.2	1.7	2.1	0.8	1.5	14.8
Unknown/No Answer	4.1	Q	0.1	Q	0.2	0.7	0.9	0.4	0.4	1.4	20.3
Air-Conditioning											
Central Air-Conditioning Use											
All Summer	19.3	1.9	1.6	2.0	3.0	4.1	3.1	1.9	0.5	1.0	10.6
Quite a Bit	8.9	0.8	0.7	1.2	1.1	2.0	1.4	0.9	0.4	0.4	14.2
Only a Few Times	12.8	0.9	1.1	1.0	1.6	2.7	2.2	1.8	0.6	1.0	12.9
Not at All	1.0	0.1	0.1	Q	Q	0.3	Q	Q	Q	Q	31.4
No Central System	54.6	0.8	1.2	1.3	2.6	9.0	8.2	8.3	5.4	17.8	7.6
Window Air-Conditioning Use											
All Summer	4.8	Q	Q	0.1	0.2	0.9	0.9	0.9	0.7	1.0	19.9
Quite a Bit	6.1	Q	Q	0.2	0.2	0.8	1.0	1.2	0.7	1.9	18.5
Only a Few Times	13.4	Q	0.3	0.4	0.6	2.0	2.3	2.1	1.1	4.6	13.6
Not at All	1.5	Q	Q	Q	Q	0.3	0.3	0.3	Q	0.4	29.9
No Window Units	70.9	4.2	4.3	4.8	7.4	14.1	10.5	8.6	4.4	12.5	5.6
Hot Water											
Number of Showers/Baths											
Taken Each Week											
9 or Fewer	28.4	0.9	0.9	1.0	1.9	5.2	4.8	3.8	2.5	7.5	8.7
10 to 20	41.5	2.2	2.2	2.5	3.9	7.7	6.6	5.3	2.9	8.4	6.6
21 or More	26.4	1.4	1.6	2.0	2.7	5.2	3.6	3.9	1.5	4.4	8.3
Not Applicable	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	95.8

See footnotes at end of table.

**Table 3.24b. Usage Indicators by Year of Construction,
Percent of U.S. Households, 1993 (Continued)**

Usage Indicators	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.5	1.3	1.4	1.2	0.9	0.9	1.0	1.2	0.8	
Daytime Winter Temperature											
When No One is at Home											
Heat is Turned On	77.6	85.0	81.8	76.9	78.3	76.3	76.0	72.9	74.8	81.4	2.6
63 Degrees or Less	17.6	21.7	17.4	16.7	18.4	17.1	15.4	16.7	20.6	18.1	9.0
64 to 66 Degrees	15.2	18.4	17.9	19.8	17.2	14.2	15.9	14.6	12.2	13.6	9.2
67 to 69 Degrees	16.2	21.3	21.1	18.9	15.7	15.1	15.6	14.4	13.8	16.6	9.3
70 Degrees	16.3	10.7	14.7	11.9	11.1	16.8	18.2	17.0	14.3	19.4	9.4
71 to 73 Degrees	7.2	9.4	6.0	5.5	9.3	7.8	6.4	5.7	5.6	8.0	14.0
74 Degrees or More	5.3	3.5	4.7	4.1	6.5	5.3	4.4	4.4	8.2	5.8	16.4
Heat Turned Off	18.4	14.9	16.2	21.4	20.1	20.1	18.7	24.4	20.5	11.9	10.2
Unknown/No Answer	3.9	Q	2.0	Q	Q	3.6	5.3	2.7	4.8	6.6	18.6
Winter Temperature											
During Sleeping Hours											
Heat is Turned On	84.7	92.0	91.0	86.3	86.1	84.0	83.0	80.9	82.8	85.7	2.0
63 Degrees or Less	16.0	14.0	14.6	13.4	15.6	15.2	15.0	16.3	19.2	17.8	9.8
64 to 66 Degrees	17.2	22.0	18.1	20.0	17.5	15.0	17.2	16.8	18.2	17.1	8.7
67 to 69 Degrees	18.2	25.2	20.8	18.9	15.3	19.1	17.0	19.2	15.3	17.6	8.7
70 Degrees	18.2	14.8	21.9	17.2	15.8	18.7	20.6	17.4	15.4	18.8	8.8
71 to 73 Degrees	8.2	10.6	7.8	8.4	11.4	9.3	8.2	5.3	5.8	7.9	13.5
74 Degrees or More	6.9	5.3	7.8	8.3	10.4	6.7	4.9	5.8	9.0	6.6	13.9
Heat Turned Off	11.0	8.0	7.0	12.2	11.4	12.4	11.3	16.0	11.6	7.4	14.1
Unknown/No Answer	4.3	Q	1.9	Q	2.5	3.7	5.7	3.1	5.6	6.9	19.7
Air-Conditioning											
Central Air-Conditioning Use											
All Summer	20.0	43.4	34.8	36.2	35.7	22.8	20.8	14.6	7.3	5.1	9.0
Quite a Bit	9.2	17.6	15.3	21.0	12.7	11.2	9.1	7.3	5.6	2.2	13.3
Only a Few Times	13.3	19.5	22.5	18.1	18.8	14.7	14.8	13.5	8.8	5.1	11.4
Not at All	1.0	1.9	2.1	Q	Q	1.6	Q	Q	Q	Q	31.1
No Central System	56.5	17.7	25.3	24.4	31.1	49.7	54.4	63.2	78.3	87.3	5.3
Window Air-Conditioning Use											
All Summer	5.0	Q	Q	1.7	2.7	4.7	5.8	7.1	9.6	4.9	19.1
Quite a Bit	6.3	Q	Q	3.2	2.5	4.5	6.5	9.1	9.5	9.5	17.2
Only a Few Times	13.9	Q	5.4	6.4	7.0	11.3	15.5	15.7	15.9	22.5	12.3
Not at All	1.6	Q	Q	Q	Q	1.5	2.1	2.2	Q	1.9	27.9
No Window Units	73.3	93.9	91.0	88.2	87.4	77.9	70.2	65.9	63.5	61.2	2.5
Hot Water											
Number of Showers/Baths											
Taken Each Week											
9 or Fewer	29.4	20.0	18.5	18.0	22.3	28.6	31.7	29.3	35.9	37.0	7.1
10 to 20	43.0	48.7	47.4	45.3	45.9	42.2	43.9	40.6	41.4	41.0	4.6
21 or More	27.3	31.3	34.2	36.7	31.9	28.9	24.0	30.0	22.3	21.5	6.7
Not Applicable	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	80.7

See footnotes at end of table.

Table 3.24a. Usage Indicators by Year of Construction, Million U.S. Households, 1993 (Continued)

Usage Indicators	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.3	1.7	1.4	1.4	1.1	0.8	0.9	0.9	1.3	0.9	
Hot Water (continued)											
Loads of Laundry Washed Each Week											
1 to 5 Loads	36.5	1.6	1.4	2.0	3.3	6.1	5.8	5.6	2.9	7.8	7.0
6 to 10 Loads	25.0	1.4	1.7	1.6	2.1	4.9	3.2	3.8	1.8	4.5	8.1
11 to 15 Loads	8.6	0.5	0.7	0.6	0.8	1.5	1.3	1.1	0.5	1.5	13.5
16 or More Loads	4.3	0.2	0.3	0.3	0.4	0.7	0.5	0.8	0.3	1.0	18.8
No Washing Machine	22.2	0.7	0.6	1.0	1.9	5.0	4.2	1.8	1.4	5.6	11.2
Dishwasher Use											
Less Than Once a Week	2.3	0.2	0.1	0.2	0.3	0.5	0.5	0.3	Q	0.3	25.4
A Few Times a Week	21.3	1.8	1.6	1.9	2.6	4.5	3.1	2.6	0.9	2.2	10.2
Several Times a Week	11.8	0.9	0.9	1.0	1.2	2.6	1.6	1.4	0.4	1.7	11.6
Every Day	7.3	0.5	0.7	0.7	0.8	1.3	1.0	1.1	0.4	0.9	13.9
More Than Every Day	1.0	Q	Q	Q	Q	0.3	0.2	0.2	Q	Q	39.5
No Dishwasher	52.9	1.1	1.4	1.7	3.5	8.9	8.7	7.4	5.1	15.2	6.7
Cooking											
Number of Hot Meals Cooked in the Home											
2 or More a Day	34.7	1.3	1.7	1.5	2.7	6.4	4.8	5.3	2.9	8.1	6.9
1 a Day	42.8	2.0	2.2	2.8	4.1	7.7	7.0	5.5	2.7	8.7	7.3
A Few per Week	15.4	0.9	0.7	1.0	1.2	3.4	2.5	1.9	0.9	2.9	10.3
About 1 a Week	2.0	0.2	0.1	0.1	0.2	0.3	0.2	0.3	0.2	0.3	26.5
Less Than 1 a Week	1.8	Q	Q	Q	0.1	0.3	0.5	Q	0.1	0.3	28.5
Amount of Food Cooked in Microwave Oven											
Most or All	4.7	0.3	0.2	0.3	0.5	1.1	0.8	0.5	0.3	0.7	18.1
About Half	13.1	0.8	0.8	0.8	1.4	2.7	1.8	1.6	0.7	2.6	11.3
Some or Very Little	22.2	1.0	1.3	1.3	1.9	4.3	3.8	3.1	1.4	4.0	8.4
Only for Defrosting, Reheating, or Snacks	41.2	2.0	2.1	2.5	3.7	7.6	6.2	5.7	3.0	8.4	7.1
No Microwave Oven	15.3	0.4	0.4	0.6	1.0	2.3	2.3	2.2	1.4	4.7	11.2
Lighting											
Indoor Light Usage											
1 to 4 Hours a Day											
Yes	87.0	4.2	4.3	5.0	7.6	16.3	13.4	11.9	6.2	18.1	5.4
No	9.6	0.3	0.4	0.5	0.9	1.8	1.6	1.1	0.7	2.3	13.3
4 to 12 Hours a Day											
Yes	83.2	3.9	4.2	4.7	7.3	16.0	12.8	11.3	5.8	17.2	5.5
No	13.4	0.5	0.5	0.8	1.2	2.2	2.2	1.8	1.1	3.1	11.4
More than 12 Hours a Day											
Yes	30.3	1.1	1.4	1.5	2.9	5.6	4.9	4.5	2.5	5.9	7.9
No	66.4	3.4	3.3	4.0	5.6	12.6	10.1	8.6	4.4	14.5	5.7
Outdoor Lights											
Used	63.5	3.3	3.5	3.7	5.7	11.2	9.8	9.6	4.5	12.2	6.0
Not Used	33.1	1.2	1.2	1.8	2.8	7.0	5.2	3.5	2.4	8.2	8.9

¹ Does not include all new construction for 1993.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.24b. Usage Indicators by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Usage Indicators	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.5	1.3	1.4	1.2	0.9	0.9	1.0	1.2	0.8	
Hot Water (continued)											
Loads of Laundry Washed Each Week											
1 to 5 Loads	37.8	36.9	30.8	36.8	38.4	33.4	38.7	42.7	41.6	38.5	5.0
6 to 10 Loads	25.8	31.6	35.5	29.4	24.9	27.0	21.4	28.9	26.1	21.9	6.4
11 to 15 Loads	8.9	12.2	13.9	11.2	9.9	8.4	8.5	8.4	7.4	7.5	12.3
16 or More Loads	4.5	3.4	7.4	4.8	4.4	3.7	3.2	6.1	4.2	4.7	18.2
No Washing Machine	22.9	15.9	12.4	17.7	22.3	27.4	28.1	13.8	20.7	27.4	10.2
Dishwasher Use											
Less Than Once a Week	2.4	3.6	1.9	2.8	3.2	2.9	3.0	2.3	Q	1.3	24.4
A Few Times a Week	22.0	39.2	35.0	34.2	30.7	24.8	20.7	20.2	13.4	10.8	8.2
Several Times a Week	12.2	20.2	19.1	17.9	14.7	14.4	10.9	10.8	5.9	8.4	10.4
Every Day	7.5	10.7	14.6	12.7	9.4	7.0	6.4	8.7	5.2	4.4	13.0
More Than Every Day	1.1	Q	Q	Q	Q	1.7	1.1	1.6	Q	Q	36.4
No Dishwasher	54.8	25.7	28.7	31.3	41.1	49.2	57.9	56.4	73.2	74.5	4.8
Cooking											
Number of Hot Meals Cooked in the Home											
2 or More a Day	35.9	29.1	35.4	27.9	32.4	35.1	32.2	40.2	41.8	39.6	5.8
1 a Day	44.3	44.9	46.5	51.0	48.9	42.4	46.4	42.5	39.3	43.0	4.5
A Few per Week	15.9	20.5	14.2	17.3	14.3	19.0	16.5	14.2	13.6	14.3	9.0
About 1 a Week	2.1	3.8	2.2	2.4	2.9	1.8	1.6	2.0	3.2	1.4	26.2
Less Than 1 a Week	1.9	Q	Q	Q	1.6	1.7	3.2	Q	2.2	1.7	27.2
Amount of Food Cooked in Microwave Oven											
Most or All	4.9	6.1	4.4	5.2	6.1	6.2	5.4	3.7	4.2	3.4	17.5
About Half	13.6	17.2	16.2	13.8	16.3	15.0	12.3	12.2	10.7	12.5	9.7
Some or Very Little	23.0	22.9	26.6	24.2	22.6	23.9	25.3	24.1	21.0	19.6	7.0
Only for Defrosting, Reheating, or Snacks	42.7	45.5	45.1	45.3	43.1	41.9	41.3	43.3	44.1	41.3	4.9
No Microwave Oven	15.9	8.3	7.7	11.6	11.9	12.9	15.6	16.7	19.9	23.2	10.3
Lighting											
Indoor Light Usage											
1 to 4 Hours a Day											
Yes	90.0	93.0	92.0	91.4	89.9	90.0	89.3	91.3	89.2	88.7	1.3
No	10.0	7.0	8.0	8.6	10.1	10.0	10.7	8.7	10.8	11.3	12.6
4 to 12 Hours a Day											
Yes	86.1	87.8	89.7	86.3	85.9	87.9	85.3	86.2	83.9	84.6	1.6
No	13.9	12.2	10.3	13.7	14.1	12.1	14.7	13.8	16.1	15.4	10.5
More than 12 Hours a Day											
Yes	31.3	25.0	30.7	26.4	34.3	30.7	32.5	34.5	36.2	28.9	6.2
No	68.7	75.0	69.3	73.6	65.7	69.3	67.5	65.5	63.8	71.1	2.8
Outdoor Lights											
Used	65.8	74.0	75.2	68.1	67.4	61.6	65.1	73.3	65.9	59.7	3.4
Not Used	34.2	26.0	24.8	31.9	32.6	38.4	34.9	26.7	34.1	40.3	7.1

¹ Does not include all new construction for 1993.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.25a. Usage Indicators by Type and Ownership of Housing Unit, Million U.S. Households, 1993

Usage Indicators	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.4	0.4	0.9	1.1	2.0	1.3	0.9	2.9	0.9	1.3	1.4	2.2	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.8
Weekday Home Activities														
Home Used for Business														
Yes	6.1	4.8	4.3	0.5	0.4	Q	0.3	0.5	Q	0.4	0.4	0.3	Q	19.4
No	90.5	62.0	51.4	10.5	7.6	1.4	6.2	15.7	1.4	14.3	5.2	4.1	1.1	5.9
Energy-Intensive Activity														
Yes	2.5	1.9	1.5	0.3	Q	Q	Q	0.3	Q	0.3	0.2	0.2	Q	25.8
No	94.1	64.9	54.2	10.7	7.9	1.5	6.4	15.9	1.6	14.4	5.3	4.2	1.1	5.9
Someone Home All Day														
Yes	46.0	34.2	29.0	5.2	3.0	0.6	2.4	6.0	0.7	5.2	2.8	2.3	0.6	7.8
No	50.7	32.6	26.7	5.9	5.0	0.9	4.1	10.3	0.8	9.5	2.7	2.1	0.6	7.7
Heating														
Thermostat Available During Heating Season														
Yes	80.2	58.4	49.7	8.7	5.8	1.3	4.5	11.3	1.2	10.0	4.7	3.8	0.9	6.9
No	15.5	7.9	5.8	2.1	2.1	Q	2.0	4.7	0.2	4.5	0.8	0.5	0.3	12.4
Set-Back or Clock Thermostat in Home														
Yes	10.8	9.0	8.3	0.7	0.6	0.3	0.4	1.0	Q	0.7	0.3	0.2	Q	21.5
No	85.8	57.8	47.5	10.3	7.4	1.2	6.1	15.3	1.3	14.0	5.3	4.2	1.1	6.2
Winter Temperature Settings														
Lower When No One Home														
Yes	43.2	31.2	26.6	4.6	3.2	0.7	2.6	5.9	0.7	5.3	2.9	2.4	0.5	8.0
No	53.4	35.6	29.2	6.4	4.8	0.8	3.9	10.3	0.9	9.4	2.7	2.0	0.7	7.1
Lower During Sleeping Hours														
Yes	46.4	33.1	28.3	4.7	3.5	0.8	2.7	7.2	0.7	6.4	2.7	2.3	0.4	7.7
No	50.2	33.7	27.4	6.3	4.5	0.7	3.8	9.1	0.8	8.2	2.9	2.1	0.8	7.6
Daytime Winter Temperature When Someone is at Home														
Heat is Turned On	89.1	63.7	53.8	9.9	7.1	1.4	5.7	13.0	1.2	11.8	5.3	4.2	1.1	6.1
63 Degrees or Less	3.3	2.4	1.8	0.6	0.3	Q	0.2	0.4	Q	0.4	0.2	0.2	Q	22.3
64 to 66 Degrees	8.9	6.2	5.1	1.1	1.0	Q	0.9	1.1	Q	1.1	0.6	0.4	0.3	15.0
67 to 69 Degrees	22.3	17.3	15.1	2.2	1.3	0.4	0.9	2.5	0.2	2.3	1.2	1.1	0.2	11.1
70 Degrees	28.7	20.2	17.2	3.0	2.6	0.6	2.1	4.1	0.6	3.5	1.8	1.4	0.4	8.4
71 to 73 Degrees	13.9	10.0	8.8	1.2	1.0	0.2	0.8	2.2	0.3	1.9	0.7	0.5	0.1	12.4
74 Degrees or More	12.0	7.5	5.7	1.8	1.0	Q	0.8	2.7	Q	2.5	0.8	0.7	0.2	13.8
Heat Turned Off	3.2	1.5	1.0	0.5	0.4	Q	0.4	1.3	Q	1.1	Q	Q	Q	31.5
Unknown/No Answer	4.3	1.7	1.0	0.7	0.5	Q	0.5	2.0	0.1	1.8	0.1	Q	Q	19.9

See footnotes at end of table.

**Table 3.25b. Usage Indicators by Type and Ownership of Housing Unit,
Percent of U.S. Households, 1993**

Usage Indicators	Type and Ownership of Housing Unit												RSE Row Factors		
	Total	Single-Family			Multifamily			Mobile Home							
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent				
					Total	Own	Rent	Total				Own		Rent	
RSE Column Factor:	0.3	0.4	0.5	0.9	1.1	1.9	1.3	0.9	2.8	0.9	1.1	1.3	2.2		
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Weekday Home Activities															
Home Used for Business															
Yes	6.3	7.2	7.7	4.6	4.6	Q	4.3	3.4	Q	3.0	6.5	6.6	Q	18.8	
No	93.7	92.8	92.3	95.4	95.4	94.0	95.7	96.6	92.7	97.0	93.5	93.4	94.1	1.2	
Energy-Intensive Activity															
Yes	2.6	2.8	2.8	3.2	Q	Q	Q	1.8	Q	2.0	4.3	3.7	Q	24.8	
No	97.4	97.2	97.2	96.8	98.7	98.7	98.6	98.2	99.9	98.0	95.7	96.3	93.7	1.2	
Someone Home All Day															
Yes	47.6	51.2	52.0	46.8	37.2	39.0	36.8	36.7	47.9	35.5	51.1	51.9	48.3	6.0	
No	52.4	48.8	48.0	53.2	62.8	61.0	63.2	63.3	52.1	64.5	48.9	48.1	51.7	4.8	
Heating															
Thermostat Available During Heating Season															
Yes	83.0	87.4	89.0	79.2	72.7	89.9	68.7	69.4	79.6	68.3	84.4	87.1	74.1	3.0	
No	16.1	11.8	10.4	18.8	26.6	Q	31.0	28.9	15.1	30.4	14.5	11.9	24.1	11.9	
Set-Back or Clock Thermostat in Home															
Yes	11.2	13.4	14.8	6.6	7.9	17.7	5.6	5.9	Q	4.9	4.9	4.9	Q	21.3	
No	88.8	86.6	85.2	93.4	92.1	82.3	94.4	94.1	84.8	95.1	95.1	95.1	95.1	1.8	
Winter Temperature Settings															
Lower When No One Home															
Yes	44.7	46.7	47.7	41.7	40.4	44.6	39.5	36.5	42.5	35.8	51.2	54.3	39.5	5.6	
No	55.3	53.3	52.3	58.3	59.6	55.4	60.5	63.5	57.5	64.2	48.8	45.7	60.5	4.3	
Lower During Sleeping Hours															
Yes	48.1	49.5	50.8	43.0	43.5	51.4	41.7	44.3	47.7	43.9	48.5	52.0	35.7	5.6	
No	51.9	50.5	49.2	57.0	56.5	48.6	58.3	55.7	52.3	56.1	51.5	48.0	64.3	4.8	
Daytime Winter Temperature When Someone is at Home															
Heat is Turned On	92.2	95.3	96.4	89.7	89.0	96.8	87.2	80.1	80.1	80.1	95.4	94.9	97.2	1.7	
63 Degrees or Less	3.4	3.6	3.3	5.0	3.8	Q	3.4	2.5	Q	2.6	3.6	3.7	Q	21.6	
64 to 66 Degrees	9.2	9.2	9.1	9.9	12.2	Q	13.1	6.9	Q	7.4	10.9	8.1	21.3	13.8	
67 to 69 Degrees	23.1	25.9	27.1	20.3	15.7	23.7	13.8	15.4	14.3	15.5	22.1	24.5	13.3	9.4	
70 Degrees	29.7	30.3	30.9	27.2	32.8	37.0	31.9	25.3	37.5	24.0	31.7	30.9	34.7	6.3	
71 to 73 Degrees	14.4	15.0	15.9	10.9	12.4	14.1	12.0	13.5	16.5	13.2	11.7	12.4	9.2	10.7	
74 Degrees or More	12.4	11.2	10.2	16.3	12.1	Q	13.0	16.5	Q	17.3	15.2	15.2	15.3	12.6	
Heat Turned Off	3.3	2.2	1.8	4.2	4.7	Q	5.7	7.8	Q	7.4	Q	Q	Q	29.8	
Unknown/No Answer	4.4	2.5	1.8	6.1	6.3	Q	7.1	12.1	8.4	12.5	2.5	Q	Q	19.8	

See footnotes at end of table.

Table 3.25a. Usage Indicators by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Usage Indicators	Type and Ownership of Housing Unit												RSE Row Factors		
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent	Total		Own	Rent
					Total	Own	Rent	Total							
RSE Column Factor:	0.3	0.4	0.4	0.9	1.1	2.0	1.3	0.9	2.9	0.9	1.3	1.4	2.2		
Daytime Winter Temperature When No One is at Home															
Heat is Turned On	75.0	54.9	47.5	7.4	6.0	1.4	4.6	9.9	1.1	8.8	4.3	3.5	0.8	6.7	
63 Degrees or Less	17.0	13.0	11.1	1.9	1.4	0.4	1.0	1.4	0.2	1.2	1.2	1.0	0.2	12.4	
64 to 66 Degrees	14.7	11.2	9.9	1.3	1.1	0.2	0.9	1.5	Q	1.4	1.0	0.7	0.3	13.0	
67 to 69 Degrees	15.6	11.6	10.0	1.6	1.1	0.2	0.8	1.9	Q	1.8	1.0	0.9	Q	13.2	
70 Degrees	15.7	10.9	9.3	1.6	1.4	0.3	1.1	2.7	0.4	2.3	0.7	0.5	0.2	11.7	
71 to 73 Degrees	6.9	5.0	4.5	0.5	0.6	Q	0.5	1.1	0.2	0.9	0.2	0.2	Q	16.7	
74 Degrees or More	5.1	3.2	2.6	0.6	0.4	Q	0.3	1.3	Q	1.2	0.3	0.2	Q	21.8	
Heat Turned Off	17.8	10.5	7.4	3.1	1.6	Q	1.5	4.6	Q	4.3	1.1	0.8	0.4	11.8	
Unknown/No Answer	3.8	1.4	0.9	0.5	0.5	Q	0.4	1.8	0.1	1.6	0.1	Q	Q	20.2	
Winter Temperature During Sleeping Hours															
Heat is Turned On	81.9	58.9	49.9	9.0	6.7	1.4	5.3	11.4	1.1	10.4	4.8	3.8	1.0	6.3	
63 Degrees or Less	15.5	11.5	9.9	1.6	1.3	0.4	0.9	1.7	Q	1.5	1.0	0.8	0.2	12.8	
64 to 66 Degrees	16.6	12.2	10.6	1.6	1.3	0.3	1.0	2.1	0.2	1.8	1.0	0.7	0.3	11.6	
67 to 69 Degrees	17.6	13.4	11.6	1.8	1.2	0.3	0.9	2.0	Q	1.9	1.0	0.9	Q	12.1	
70 Degrees	17.6	12.4	10.3	2.1	1.6	0.3	1.3	2.6	0.3	2.3	1.1	0.9	0.2	11.2	
71 to 73 Degrees	7.9	5.6	4.8	0.8	0.6	Q	0.5	1.4	0.2	1.1	0.3	0.3	Q	16.0	
74 Degrees or More	6.6	3.8	2.6	1.2	0.6	Q	0.6	1.8	Q	1.7	0.4	0.2	0.1	16.7	
Heat Turned Off	10.7	6.3	4.9	1.4	0.8	Q	0.8	2.9	Q	2.6	0.6	0.5	0.1	14.7	
Unknown/No Answer	4.1	1.6	0.9	0.6	0.5	Q	0.5	1.9	0.1	1.7	0.1	Q	Q	20.3	
Air-Conditioning															
Central Air-Conditioning Use															
All Summer	19.3	15.1	13.3	1.8	0.6	0.2	0.4	2.4	Q	2.0	1.1	1.0	Q	14.4	
Quite a Bit	8.9	6.5	5.8	0.7	0.4	Q	0.3	1.5	Q	1.4	0.5	0.5	Q	19.5	
Only a Few Times	12.8	8.8	7.9	0.9	0.3	Q	0.3	3.1	0.4	2.7	0.6	0.5	Q	15.7	
Not at All	1.0	0.7	0.6	Q	Q	Q	Q	0.1	Q	0.1	Q	Q	Q	47.3	
No Central System	54.6	35.7	28.1	7.6	6.6	1.2	5.5	9.1	0.7	8.3	3.2	2.3	0.9	7.4	
Window Air-Conditioning Use															
All Summer	4.8	3.2	2.5	0.7	0.4	Q	0.4	0.7	Q	0.7	0.4	0.3	Q	20.4	
Quite a Bit	6.1	3.7	3.1	0.6	0.7	0.1	0.6	1.2	Q	1.1	0.4	0.3	Q	17.9	
Only a Few Times	13.4	9.0	7.7	1.4	1.4	0.4	1.0	2.3	0.4	1.9	0.7	0.5	0.2	13.9	
Not at All	1.5	1.0	0.8	0.2	Q	Q	Q	0.3	Q	0.2	Q	Q	Q	34.7	
No Window Units	70.9	49.9	41.8	8.1	5.3	0.8	4.4	11.7	1.0	10.7	4.0	3.2	0.7	6.9	
Hot Water															
Number of Showers/Baths Taken Each Week															
9 or Fewer	28.4	16.7	14.1	2.5	3.1	0.4	2.6	7.2	0.8	6.4	1.5	1.2	0.3	9.1	
10 to 20	41.5	29.0	24.3	4.7	3.2	0.7	2.5	6.8	0.6	6.2	2.5	2.0	0.6	7.6	
21 or More	26.4	20.9	17.3	3.6	1.8	0.4	1.4	2.3	0.1	2.1	1.5	1.2	0.3	11.1	
Not Applicable	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	102.7	

See footnotes at end of table.

Table 3.25b. Usage Indicators by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Usage Indicators	Type and Ownership of Housing Unit												RSE Row Factors		
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent	Total		Own	Rent
					Total	Own	Rent	Total							
RSE Column Factor:	0.3	0.4	0.5	0.9	1.1	1.9	1.3	0.9	2.8	0.9	1.1	1.3	2.2		
Daytime Winter Temperature When No One is at Home															
Heat is Turned On	77.6	82.2	85.1	67.4	74.4	92.8	70.2	60.8	69.1	59.9	77.1	80.5	64.7	3.2	
63 Degrees or Less	17.6	19.5	19.9	17.1	17.1	26.7	14.9	8.8	12.4	8.4	21.5	23.5	14.0	10.9	
64 to 66 Degrees	15.2	16.8	17.7	11.8	13.6	14.1	13.4	8.9	Q	9.6	17.2	15.5	23.4	11.8	
67 to 69 Degrees	16.2	17.4	18.0	14.2	13.4	16.7	12.6	12.0	Q	12.3	17.7	20.5	Q	11.5	
70 Degrees	16.3	16.4	16.7	14.5	18.0	23.5	16.7	16.5	25.0	15.6	12.1	11.8	13.3	10.7	
71 to 73 Degrees	7.2	7.4	8.0	4.8	7.7	Q	8.2	6.8	13.1	6.1	4.0	4.0	Q	15.2	
74 Degrees or More	5.3	4.8	4.7	5.1	4.7	Q	4.4	7.8	Q	7.9	4.7	5.1	Q	20.6	
Heat Turned Off	18.4	15.7	13.3	27.9	19.4	Q	23.0	28.3	22.5	29.0	20.3	17.6	30.4	10.8	
Unknown/No Answer	3.9	2.1	1.6	4.7	6.2	Q	6.8	10.9	8.4	11.2	2.6	Q	Q	20.4	
Winter Temperature During Sleeping Hours															
Heat is Turned On	84.7	88.2	89.5	81.5	83.5	96.0	80.6	70.5	68.7	70.6	86.3	86.4	86.2	2.4	
63 Degrees or Less	16.0	17.3	17.8	14.5	15.9	24.1	14.1	10.3	Q	10.5	17.1	17.9	14.2	11.9	
64 to 66 Degrees	17.2	18.3	19.1	14.3	16.8	19.8	16.1	12.7	15.1	12.4	18.4	16.3	26.6	10.5	
67 to 69 Degrees	18.2	20.1	20.9	16.1	15.2	20.2	14.1	12.2	Q	13.2	18.4	20.7	Q	10.4	
70 Degrees	18.2	18.6	18.5	18.8	19.7	21.5	19.3	15.8	19.3	15.4	19.4	20.2	16.5	9.7	
71 to 73 Degrees	8.2	8.3	8.6	7.0	7.7	Q	8.3	8.4	16.0	7.6	6.1	5.8	Q	14.6	
74 Degrees or More	6.9	5.7	4.7	10.7	8.1	Q	8.8	11.1	Q	11.6	6.9	5.6	11.8	15.6	
Heat Turned Off	11.0	9.5	8.8	12.8	9.8	Q	11.8	18.0	21.9	17.5	11.4	11.6	10.6	13.8	
Unknown/No Answer	4.3	2.3	1.7	5.7	6.7	Q	7.6	11.6	9.4	11.8	2.2	Q	Q	20.5	
Air-Conditioning															
Central Air-Conditioning Use															
All Summer	20.0	22.7	23.9	16.2	7.7	11.8	6.8	14.9	23.6	13.9	20.2	23.2	Q	13.5	
Quite a Bit	9.2	9.7	10.4	6.3	4.4	Q	4.3	9.5	Q	9.7	9.4	11.0	Q	18.4	
Only a Few Times	13.3	13.1	14.1	8.3	4.2	Q	4.4	19.1	22.8	18.7	11.1	12.5	Q	14.1	
Not at All	1.0	1.0	1.1	Q	Q	Q	Q	0.8	Q	0.9	Q	Q	Q	43.5	
No Central System	56.5	53.4	50.4	68.5	83.0	79.6	83.7	55.7	45.4	56.8	57.2	51.6	78.1	5.0	
Window Air-Conditioning Use															
All Summer	5.0	4.8	4.4	6.7	5.4	Q	5.7	4.5	Q	4.8	7.8	6.8	Q	19.9	
Quite a Bit	6.3	5.6	5.5	5.9	9.3	8.3	9.5	7.6	Q	7.6	6.7	6.7	Q	17.1	
Only a Few Times	13.9	13.5	13.7	12.5	17.9	26.8	15.9	13.9	22.5	13.0	12.5	11.5	16.1	12.6	
Not at All	1.6	1.5	1.5	1.5	Q	Q	Q	1.8	Q	1.7	Q	Q	Q	32.2	
No Window Units	73.3	74.7	74.9	73.4	66.0	56.8	68.1	72.2	64.7	73.0	71.2	73.4	62.6	3.8	
Hot Water															
Number of Showers/Baths Taken Each Week															
9 or Fewer	29.4	24.9	25.3	23.0	38.2	30.0	40.1	44.4	54.6	43.3	26.7	27.9	22.1	6.9	
10 to 20	43.0	43.5	43.6	42.7	39.7	44.0	38.8	41.7	36.5	42.2	45.5	44.8	48.4	5.4	
21 or More	27.3	31.3	31.0	32.8	21.9	25.1	21.2	13.9	8.8	14.4	27.3	26.7	29.5	9.8	
Not Applicable	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	87.8	

See footnotes at end of table.

Table 3.25a. Usage Indicators by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Usage Indicators	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.4	0.4	0.9	1.1	2.0	1.3	0.9	2.9	0.9	1.3	1.4	2.2	
Hot Water (continued)														
Loads of Laundry Washed Each Week														
1 to 5 Loads	36.5	29.5	25.4	4.1	2.5	0.8	1.6	2.4	0.5	1.9	2.1	1.8	0.4	9.0
6 to 10 Loads	25.0	21.3	18.3	3.0	1.1	0.2	0.8	0.9	0.3	0.6	1.7	1.4	0.3	11.7
11 to 15 Loads	8.6	7.7	6.7	0.9	0.2	Q	0.2	0.1	Q	0.1	0.6	0.5	Q	18.4
16 or More Loads	4.3	3.9	3.2	0.7	Q	Q	Q	Q	Q	Q	0.3	0.2	Q	22.4
No Washing Machine	22.2	4.4	2.1	2.3	4.1	0.3	3.8	12.7	0.7	12.0	0.9	0.5	0.4	10.8
Dishwasher Use														
Less Than Once a Week	2.3	1.6	1.5	Q	Q	Q	Q	0.5	Q	0.5	Q	Q	Q	25.6
A Few Times a Week	21.3	16.0	14.3	1.7	1.0	0.2	0.8	3.7	0.7	3.0	0.5	0.4	Q	13.3
Several Times a Week	11.8	10.1	9.4	0.7	0.4	0.1	0.3	1.0	0.2	0.8	0.2	0.2	Q	17.8
Every Day	7.3	6.3	5.7	0.6	0.2	Q	0.2	0.6	Q	0.5	0.2	0.2	Q	21.8
More Than Every Day	1.0	0.9	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.6
No Dishwasher	52.9	31.8	24.0	7.8	6.2	1.0	5.2	10.3	0.4	9.9	4.6	3.5	1.1	6.6
Cooking														
Number of Hot Meals Cooked in the Home														
2 or More a Day	34.7	24.4	20.1	4.3	2.7	0.4	2.2	5.3	0.4	5.0	2.3	1.8	0.5	8.0
1 a Day	42.8	30.9	26.2	4.7	3.5	0.8	2.7	6.0	0.7	5.4	2.4	1.9	0.5	7.9
A Few per Week	15.4	9.7	8.1	1.6	1.4	0.2	1.2	3.6	0.4	3.1	0.7	0.6	0.1	12.5
About 1 a Week	2.0	1.0	0.8	0.2	0.2	Q	0.2	0.6	Q	0.6	Q	Q	Q	28.3
Less Than 1 a Week	1.8	0.8	0.6	0.2	0.2	Q	Q	0.7	Q	0.7	Q	Q	Q	30.4
Amount of Food Cooked in Microwave Oven														
Most or All	4.7	2.9	2.4	0.4	0.4	Q	0.4	1.1	Q	1.0	0.3	0.3	Q	19.6
About Half	13.1	9.8	8.2	1.5	0.6	Q	0.5	1.9	0.3	1.6	0.8	0.7	0.1	13.8
Some or Very Little	22.2	16.6	14.4	2.2	1.7	0.3	1.4	2.5	0.3	2.2	1.4	1.2	0.2	10.4
Only for Defrosting, Reheating, or Snacks	41.2	30.2	25.6	4.6	3.3	0.7	2.6	5.5	0.8	4.7	2.3	1.8	0.4	8.4
No Microwave Oven	15.3	7.3	5.1	2.3	2.0	0.3	1.7	5.2	Q	5.1	0.8	0.4	0.4	11.0
Lighting														
Indoor Light Usage														
1 to 4 Hours a Day														
Yes	87.0	60.4	50.3	10.1	7.2	1.4	5.9	14.4	1.3	13.1	4.9	3.9	1.0	6.0
No	9.6	6.4	5.4	0.9	0.8	Q	0.6	1.8	0.2	1.6	0.7	0.5	0.2	15.6
4 to 12 Hours a Day														
Yes	83.2	58.6	49.5	9.1	6.6	1.3	5.3	13.3	1.3	12.0	4.7	3.7	0.9	6.1
No	13.4	8.2	6.3	1.9	1.4	0.2	1.2	2.9	0.2	2.7	0.9	0.7	0.3	12.5
More than 12 Hours a Day														
Yes	30.3	22.2	18.9	3.4	2.3	0.4	1.9	3.9	0.4	3.6	1.8	1.5	0.3	9.5
No	66.4	44.6	36.9	7.7	5.7	1.1	4.6	12.3	1.2	11.1	3.8	2.9	0.8	6.6
Outdoor Lights														
Used	63.5	50.5	42.9	7.6	4.7	1.2	3.6	4.5	0.3	4.1	3.8	3.1	0.7	7.3
Not Used	33.1	16.3	12.9	3.4	3.3	0.3	3.0	11.8	1.2	10.6	1.7	1.3	0.4	10.0

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.25b. Usage Indicators by Type and Ownership of Housing Unit,
Percent of U.S. Households, 1993 (Continued)**

Usage Indicators	Type and Ownership of Housing Unit												RSE Row Factors		
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent	Total		Own	Rent
					Total	Own	Rent	Total							
RSE Column Factor:	0.3	0.4	0.5	0.9	1.1	1.9	1.3	0.9	2.8	0.9	1.1	1.3	2.2		
Hot Water (continued)															
Loads of Laundry Washed Each Week															
1 to 5 Loads	37.8	44.2	45.6	37.3	31.0	56.1	25.2	14.7	34.4	12.6	38.5	40.2	32.5	7.0	
6 to 10 Loads	25.8	31.9	32.9	27.1	13.2	16.6	12.5	5.5	19.2	4.0	30.2	32.5	21.5	9.6	
11 to 15 Loads	8.9	11.5	12.1	8.5	2.9	Q	2.7	0.9	Q	1.0	10.1	11.4	Q	17.7	
16 or More Loads	4.5	5.8	5.7	6.5	Q	Q	Q	Q	Q	Q	5.1	4.4	Q	21.2	
No Washing Machine	22.9	6.6	3.8	20.6	51.6	21.2	58.5	78.4	46.2	81.8	16.1	11.5	33.0	8.3	
Dishwasher Use															
Less Than Once a Week	2.4	2.5	2.7	Q	Q	Q	Q	3.2	Q	3.1	Q	Q	Q	23.6	
A Few Times a Week	22.0	24.0	25.6	15.8	12.6	16.3	11.8	22.7	43.8	20.5	9.0	10.1	Q	11.7	
Several Times a Week	12.2	15.2	16.9	6.6	5.3	8.9	4.4	6.4	15.4	5.4	3.6	4.4	Q	16.1	
Every Day	7.5	9.4	10.3	5.1	2.6	Q	3.0	3.4	Q	3.1	3.7	4.3	Q	21.2	
More Than Every Day	1.1	1.3	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	41.4	
No Dishwasher	54.8	47.6	43.1	70.4	77.4	69.3	79.2	63.6	26.6	67.5	82.0	79.0	93.1	3.7	
Cooking															
Number of Hot Meals Cooked in the Home															
2 or More a Day	35.9	36.5	36.1	38.8	33.4	29.3	34.3	32.7	22.5	33.8	40.8	40.6	41.5	6.5	
1 a Day	44.3	46.2	46.9	42.5	44.3	54.0	42.0	37.0	41.9	36.5	42.8	43.3	40.9	5.1	
A Few per Week	15.9	14.6	14.5	14.7	17.1	11.9	18.2	21.9	28.7	21.2	12.6	13.1	10.7	10.6	
About 1 a Week	2.1	1.5	1.4	2.1	3.0	Q	3.3	4.0	Q	4.0	Q	Q	Q	26.4	
Less Than 1 a Week	1.9	1.2	1.1	1.8	2.3	Q	Q	4.4	Q	4.5	Q	Q	Q	28.1	
Amount of Food Cooked in Microwave Oven															
Most or All	4.9	4.3	4.4	3.7	5.3	Q	5.9	6.9	Q	7.1	5.4	5.7	Q	18.6	
About Half	13.6	14.6	14.8	13.8	7.8	Q	8.0	11.7	16.6	11.2	14.7	15.4	12.4	11.9	
Some or Very Little	23.0	24.8	25.8	20.1	21.0	20.1	21.2	15.6	18.7	15.3	25.4	27.8	16.4	9.2	
Only for Defrosting, Reheating, or Snacks	42.7	45.3	45.9	41.9	41.0	47.9	39.4	33.6	51.5	31.8	40.4	41.7	35.4	5.7	
No Microwave Oven	15.9	11.0	9.1	20.5	24.9	22.1	25.5	32.1	Q	34.6	14.1	9.4	31.5	9.9	
Lighting															
Indoor Light Usage															
1 to 4 Hours a Day															
Yes	90.0	90.5	90.3	91.6	90.4	90.8	90.3	88.8	85.2	89.1	87.8	88.3	86.0	1.6	
No	10.0	9.5	9.7	8.4	9.6	Q	9.7	11.2	14.8	10.9	12.2	11.7	14.0	14.4	
4 to 12 Hours a Day															
Yes	86.1	87.8	88.8	82.7	82.7	88.6	81.4	81.9	85.4	81.5	83.7	85.1	78.4	2.1	
No	13.9	12.2	11.2	17.3	17.3	11.4	18.6	18.1	14.6	18.5	16.3	14.9	21.6	11.0	
More than 12 Hours a Day															
Yes	31.3	33.3	33.8	30.5	28.9	28.6	29.0	24.2	23.5	24.3	32.0	33.1	27.8	8.0	
No	68.7	66.7	66.2	69.5	71.1	71.4	71.0	75.8	76.5	75.7	68.0	66.9	72.2	3.3	
Outdoor Lights															
Used	65.8	75.6	76.9	69.2	58.9	77.4	54.7	27.6	22.2	28.2	68.7	70.2	63.0	4.9	
Not Used	34.2	24.4	23.1	30.8	41.1	22.6	45.3	72.4	77.8	71.8	31.3	29.8	37.0	6.9	

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 1993 Residential Energy Consumption Survey.
 (For specific titles of forms, see Appendix D.)

Table 3.26a. Usage Indicators by Family Income, Million U.S. Households, 1993

Usage Indicators	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.0	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Total	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.4
Weekday Home Activities												
Home Used for Business												
Yes	6.1	Q	0.2	0.2	0.8	1.0	1.6	2.3	0.3	0.5	0.8	16.2
No	90.5	4.0	10.4	10.9	17.6	13.1	15.9	18.7	14.1	18.9	29.8	3.4
Energy-Intensive Activity												
Yes	2.5	Q	Q	0.1	0.5	0.3	0.5	0.9	0.3	0.3	0.5	20.4
No	94.1	4.0	10.4	11.0	17.8	13.7	17.0	20.1	14.1	19.0	30.2	3.4
Someone Home All Day												
Yes	46.0	2.3	6.7	6.3	8.9	6.1	7.2	8.5	9.0	12.2	18.4	5.0
No	50.7	1.8	3.9	4.9	9.5	7.9	10.3	12.5	5.3	7.2	12.3	5.3
Heating												
Thermostat Available During Heating Season												
Yes	80.2	2.6	7.6	8.4	15.2	12.3	15.2	18.9	9.6	13.4	22.5	4.0
No	15.5	1.4	3.0	2.6	3.0	1.6	2.1	1.9	4.6	5.8	7.8	9.0
Set-Back or Clock Thermostat in Home												
Yes	10.8	0.3	0.6	0.7	1.3	1.3	2.3	4.4	0.8	1.1	1.9	14.2
No	85.8	3.8	10.0	10.5	17.0	12.8	15.1	16.6	13.6	18.2	28.8	3.5
Winter Temperature Settings												
Lower When No One Home												
Yes	43.2	1.4	4.3	4.4	7.9	6.6	7.9	10.8	5.6	7.8	11.9	5.3
No	53.4	2.6	6.3	6.8	10.5	7.5	9.6	10.2	8.8	11.5	18.8	4.1
Lower During Sleeping Hours												
Yes	46.4	1.7	4.9	4.8	8.9	6.6	8.3	11.2	6.4	9.1	13.6	5.2
No	50.2	2.3	5.7	6.3	9.5	7.5	9.2	9.8	8.0	10.3	17.1	4.5
Daytime Winter Temperature When Someone is at Home												
Heat is Turned On	89.1	3.3	9.4	9.8	17.1	13.0	16.6	19.9	12.2	16.6	26.9	3.6
63 Degrees or Less	3.3	0.2	0.5	0.4	0.6	0.5	0.5	0.6	0.7	0.8	1.3	15.2
64 to 66 Degrees	8.9	0.4	0.8	1.0	1.6	1.1	1.8	2.2	1.2	1.6	2.6	10.5
67 to 69 Degrees	22.3	0.6	1.4	1.6	4.1	3.2	5.1	6.3	2.0	2.8	4.8	7.8
70 Degrees	28.7	1.0	3.1	3.1	6.0	4.5	4.9	6.2	3.7	5.5	8.6	6.4
71 to 73 Degrees	13.9	0.4	1.3	1.6	2.2	2.3	2.7	3.3	1.5	2.1	3.8	9.4
74 Degrees or More	12.0	0.8	2.3	2.0	2.6	1.5	1.6	1.3	3.1	3.9	5.7	9.1
Heat Turned Off	3.2	0.2	0.4	0.6	0.5	0.6	0.5	0.5	0.7	1.0	1.3	24.0
Unknown/No Answer	4.3	0.5	0.8	0.8	0.9	0.4	0.4	0.5	1.4	1.8	2.4	14.0

See footnotes at end of table.

Table 3.26b. Usage Indicators by Family Income, Percent of U.S. Households, 1993

Usage Indicators	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.5	1.9	1.3	1.1	0.9	1.1	1.0	0.9	1.1	1.0	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Weekday Home Activities												
Home Used for Business												
Yes	6.3	Q	1.9	1.9	4.3	7.1	8.9	10.7	2.2	2.5	2.7	15.7
No	93.7	98.0	98.1	98.1	95.7	92.9	91.1	89.3	97.8	97.5	97.3	NE
Energy-Intensive Activity												
Yes	2.6	Q	Q	1.2	2.9	2.3	2.7	4.1	1.9	1.8	1.7	20.2
No	97.4	98.6	98.6	98.8	97.1	97.7	97.3	95.9	98.1	98.2	98.3	NE
Someone Home All Day												
Yes	47.6	56.6	63.3	56.3	48.3	43.6	41.2	40.6	62.8	63.0	60.0	3.7
No	52.4	43.4	36.7	43.7	51.7	56.4	58.8	59.4	37.2	37.0	40.0	4.2
Heating												
Thermostat Available During Heating Season												
Yes	83.0	64.8	71.6	75.5	82.5	87.6	87.0	90.2	66.8	69.1	73.5	2.1
No	16.1	34.2	27.9	23.4	16.4	11.4	12.2	8.9	32.0	29.9	25.5	8.2
Set-Back or Clock Thermostat in Home												
Yes	11.2	6.8	5.5	5.9	7.3	9.2	13.3	20.9	5.8	5.8	6.1	13.4
No	88.8	93.2	94.5	94.1	92.7	90.8	86.7	79.1	94.2	94.2	93.9	1.2
Winter Temperature Settings												
Lower When No One Home												
Yes	44.7	34.9	40.6	39.2	43.1	46.9	45.0	51.4	39.1	40.4	38.7	4.0
No	55.3	65.1	59.4	60.8	56.9	53.1	55.0	48.6	60.9	59.6	61.3	2.9
Lower During Sleeping Hours												
Yes	48.1	42.7	46.4	43.5	48.4	46.9	47.6	53.2	44.6	46.7	44.3	3.9
No	51.9	57.3	53.6	56.5	51.6	53.1	52.4	46.8	55.4	53.3	55.7	3.4
Daytime Winter Temperature When Someone is at Home												
Heat is Turned On	92.2	82.4	88.7	87.7	92.8	92.8	95.0	95.1	84.9	85.9	87.8	1.4
63 Degrees or Less	3.4	5.6	4.5	3.5	3.3	3.6	2.7	3.0	5.0	4.3	4.3	15.2
64 to 66 Degrees	9.2	10.4	7.8	8.7	8.4	7.7	10.3	10.5	8.1	8.3	8.6	10.2
67 to 69 Degrees	23.1	14.8	13.7	14.8	22.2	22.6	29.0	30.0	14.2	14.4	15.7	7.1
70 Degrees	29.7	23.5	29.0	28.1	32.5	32.1	28.1	29.4	25.9	28.1	28.0	5.3
71 to 73 Degrees	14.4	9.4	12.3	14.7	12.1	16.5	15.6	15.8	10.4	10.7	12.5	9.1
74 Degrees or More	12.4	18.7	21.3	17.9	14.2	10.4	9.2	6.3	21.4	20.0	18.7	8.3
Heat Turned Off	3.3	4.7	3.7	5.0	2.5	4.1	2.9	2.6	5.2	5.0	4.3	23.5
Unknown/No Answer	4.4	12.9	7.7	7.3	4.7	3.0	2.1	2.4	10.0	9.2	7.9	14.0

See footnotes at end of table.

Table 3.26a. Usage Indicators by Family Income, Million U.S. Households, 1993 (Continued)

Usage Indicators	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.0	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Daytime Winter Temperature When No One is at Home												
Heat is Turned On	75.0	2.5	7.1	7.8	14.4	11.3	14.5	17.6	8.8	12.6	20.9	4.0
63 Degrees or Less	17.0	0.6	1.4	1.6	3.0	2.5	3.2	4.6	1.9	2.7	4.4	8.4
64 to 66 Degrees	14.7	0.4	1.0	1.2	2.9	2.1	3.1	4.0	1.4	2.1	3.2	9.2
67 to 69 Degrees	15.6	0.5	1.1	1.5	3.0	2.6	3.4	3.6	1.6	2.2	3.9	9.4
70 Degrees	15.7	0.4	1.9	1.7	3.2	2.3	2.9	3.2	2.0	2.9	5.0	9.2
71 to 73 Degrees	6.9	0.3	0.7	0.9	1.0	1.1	1.4	1.6	0.9	1.2	2.2	12.3
74 Degrees or More	5.1	0.3	0.9	0.8	1.3	0.7	0.6	0.6	1.1	1.5	2.3	13.6
Heat Turned Off	17.8	1.1	2.8	2.7	3.2	2.3	2.7	3.0	4.4	5.2	7.6	9.1
Unknown/No Answer	3.8	0.5	0.7	0.6	0.8	0.4	0.3	0.4	1.2	1.5	2.1	14.9
Winter Temperature During Sleeping Hours												
Heat is Turned On	81.9	2.9	7.9	8.8	15.8	12.1	15.6	18.8	10.3	14.3	23.7	3.6
63 Degrees or Less	15.5	0.5	1.4	1.6	3.0	2.3	3.0	3.6	1.8	2.6	4.2	9.0
64 to 66 Degrees	16.6	0.7	1.2	1.5	3.2	2.1	3.2	4.7	1.8	2.5	4.0	8.7
67 to 69 Degrees	17.6	0.5	1.3	1.4	3.6	2.9	3.5	4.4	1.7	2.4	4.2	8.0
70 Degrees	17.6	0.6	2.2	2.1	3.5	2.6	3.3	3.4	2.4	3.4	6.0	7.9
71 to 73 Degrees	7.9	0.2	0.8	1.0	1.1	1.4	1.5	1.8	0.9	1.3	2.4	12.0
74 Degrees or More	6.6	0.4	0.9	1.1	1.4	0.8	1.0	0.9	1.7	1.9	2.9	10.9
Heat Turned Off	10.7	0.6	1.9	1.6	1.8	1.5	1.5	1.8	2.7	3.4	4.6	11.5
Unknown/No Answer	4.1	0.5	0.9	0.7	0.8	0.4	0.3	0.4	1.4	1.7	2.4	14.4
Air-Conditioning												
Central Air-Conditioning Use												
All Summer	19.3	0.4	1.1	1.2	3.0	3.2	4.3	6.1	1.2	1.6	3.3	9.8
Quite a Bit	8.9	0.2	0.5	0.6	1.3	1.4	1.9	3.0	0.7	0.9	1.5	13.5
Only a Few Times	12.8	0.4	1.1	1.3	2.5	2.1	2.3	3.2	1.3	2.0	3.3	11.2
Not at All	1.0	Q	Q	0.2	Q	0.2	0.2	0.1	0.2	0.2	0.4	31.0
No Central System	54.6	2.9	7.8	7.8	11.5	7.1	8.9	8.6	11.0	14.6	22.2	4.5
Window Air-Conditioning Use												
All Summer	4.8	0.6	0.8	0.8	1.1	0.5	0.6	0.5	1.4	1.8	2.5	13.1
Quite a Bit	6.1	0.3	0.9	0.7	1.3	0.7	1.2	1.0	1.0	1.5	2.3	12.3
Only a Few Times	13.4	0.4	1.8	1.8	2.5	2.1	2.6	2.2	2.2	3.1	5.0	9.0
Not at All	1.5	Q	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	26.3
No Window Units	70.9	2.6	6.9	7.6	13.3	10.5	12.9	17.0	9.4	12.4	20.4	4.0
Hot Water												
Number of Showers/Baths Taken Each Week												
9 or Fewer	28.4	1.7	6.1	4.9	6.4	4.0	3.1	2.3	5.5	7.4	12.1	5.8
10 to 20	41.5	1.5	2.9	4.1	8.1	6.2	8.6	10.1	4.9	6.8	10.7	5.5
21 or More	26.4	0.8	1.5	2.0	3.9	3.9	5.8	8.5	3.7	5.0	7.6	7.0
Not Applicable	0.3	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	0.2	39.0

See footnotes at end of table.

Table 3.26b. Usage Indicators by Family Income, Percent of U.S. Households, 1993 (Continued)

Usage Indicators	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.5	1.9	1.3	1.1	0.9	1.1	1.0	0.9	1.1	1.0	0.8	
Daytime Winter Temperature When No One is at Home												
Heat is Turned On	77.6	61.0	66.6	70.1	78.2	80.5	82.8	83.8	61.0	65.2	68.1	2.5
63 Degrees or Less	17.6	15.0	13.6	14.7	16.4	17.7	18.3	22.0	13.4	14.0	14.4	8.0
64 to 66 Degrees	15.2	10.6	9.6	11.0	15.8	14.7	17.5	19.0	9.5	10.6	10.3	8.8
67 to 69 Degrees	16.2	11.6	10.4	13.1	16.2	18.7	19.3	17.1	10.8	11.6	12.6	9.0
70 Degrees	16.3	9.8	18.0	15.6	17.6	16.6	16.7	15.3	13.7	15.2	16.2	8.8
71 to 73 Degrees	7.2	6.4	6.9	8.2	5.4	7.8	7.8	7.6	6.2	6.3	7.1	12.1
74 Degrees or More	5.3	7.5	8.2	7.4	6.8	4.9	3.2	2.8	7.5	7.5	7.4	13.1
Heat Turned Off	18.4	27.4	26.7	24.1	17.3	16.7	15.4	14.1	30.3	26.9	24.9	8.0
Unknown/No Answer	3.9	11.6	6.7	5.8	4.5	2.8	1.9	2.0	8.7	7.9	6.9	15.0
Winter Temperature During Sleeping Hours												
Heat is Turned On	84.7	72.1	74.2	79.4	85.8	86.1	89.4	89.5	71.4	73.6	77.3	1.9
63 Degrees or Less	16.0	12.3	13.2	14.8	16.2	16.1	17.4	17.3	12.8	13.5	13.7	8.5
64 to 66 Degrees	17.2	17.1	11.2	13.7	17.4	14.9	18.5	22.4	12.3	13.1	13.1	8.3
67 to 69 Degrees	18.2	12.5	12.3	12.7	19.6	20.4	20.0	21.1	11.7	12.3	13.7	7.3
70 Degrees	18.2	14.3	20.9	18.7	18.8	18.5	19.0	16.0	16.8	17.8	19.4	7.3
71 to 73 Degrees	8.2	5.6	7.6	9.3	5.9	10.2	8.8	8.5	6.2	6.9	7.7	11.7
74 Degrees or More	6.9	10.3	9.0	10.2	7.7	5.9	5.6	4.2	11.6	9.9	9.6	10.4
Heat Turned Off	11.0	15.6	17.7	14.1	9.7	10.8	8.8	8.4	18.9	17.4	14.9	10.5
Unknown/No Answer	4.3	12.3	8.1	6.5	4.5	3.1	1.8	2.1	9.8	9.0	7.9	14.4
Air-Conditioning												
Central Air-Conditioning Use												
All Summer	20.0	10.9	10.3	11.1	16.1	22.9	24.4	29.0	8.1	8.3	10.6	9.1
Quite a Bit	9.2	5.9	4.6	5.3	7.3	9.8	10.7	14.4	4.8	4.8	5.0	13.0
Only a Few Times	13.3	9.9	10.4	11.5	13.4	15.2	13.0	15.1	9.2	10.4	10.8	10.6
Not at All	1.0	Q	Q	1.8	Q	1.6	1.1	0.6	1.2	1.1	1.2	30.5
No Central System	56.5	72.3	74.0	70.3	62.4	50.5	50.8	40.8	76.7	75.4	72.4	3.2
Window Air-Conditioning Use												
All Summer	5.0	14.1	7.3	7.0	5.8	3.6	3.5	2.4	10.0	9.5	8.0	12.7
Quite a Bit	6.3	7.7	8.1	6.1	7.1	5.0	6.8	4.8	7.0	7.9	7.3	12.0
Only a Few Times	13.9	11.1	17.1	16.3	13.7	15.0	14.6	10.3	15.6	16.2	16.4	8.4
Not at All	1.6	Q	2.5	2.1	1.0	1.5	1.3	1.5	2.0	2.3	1.8	25.9
No Window Units	73.3	65.3	65.0	68.6	72.4	74.9	73.8	81.0	65.4	64.1	66.4	2.4
Hot Water												
Number of Showers/Baths Taken Each Week												
9 or Fewer	29.4	41.7	57.5	44.0	34.8	28.1	17.5	11.0	38.5	38.3	39.5	4.8
10 to 20	43.0	36.4	27.0	37.0	44.2	44.2	49.5	48.3	34.2	34.9	35.0	4.4
21 or More	27.3	19.9	14.5	18.3	21.0	27.6	33.0	40.7	25.9	25.7	24.8	6.4
Not Applicable	0.3	Q	Q	Q	Q	Q	Q	Q	1.3	1.0	0.8	37.8

See footnotes at end of table.

**Table 3.26a. Usage Indicators by Family Income,
Million U.S. Households, 1993 (Continued)**

Usage Indicators	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.0	1.3	1.1	1.0	1.1	1.0	0.9	1.1	1.0	0.8	
Hot Water (continued)												
Loads of Laundry Washed Each Week												
1 to 5 Loads	36.5	1.2	4.4	4.5	7.8	5.5	6.1	7.1	4.9	6.5	10.8	5.3
6 to 10 Loads	25.0	0.5	1.2	1.8	3.9	4.3	5.6	7.7	2.2	3.1	5.4	7.6
11 to 15 Loads	8.6	0.1	0.2	0.5	1.1	1.4	2.2	3.2	0.6	1.0	1.7	12.7
16 or More Loads	4.3	0.1	0.2	0.2	0.9	0.6	1.0	1.3	0.5	0.9	1.2	17.6
No Washing Machine	22.2	2.1	4.7	4.1	4.7	2.3	2.6	1.7	6.2	7.8	11.5	7.4
Dishwasher Use												
Less Than Once a Week	2.3	Q	Q	Q	0.5	0.6	0.4	0.5	0.2	0.2	0.4	22.3
A Few Times a Week	21.3	0.5	0.8	1.6	3.5	3.6	4.7	6.6	1.2	1.6	3.2	9.2
Several Times a Week	11.8	Q	0.1	0.7	1.4	1.5	3.3	4.7	0.4	0.7	1.3	12.5
Every Day	7.3	Q	0.2	0.2	0.7	1.1	1.8	3.3	0.3	0.5	1.0	15.3
More Than Every Day	1.0	Q	Q	Q	0.2	0.2	0.2	0.4	Q	Q	0.2	33.2
No Dishwasher	52.9	3.4	9.4	8.4	12.1	7.1	7.2	5.4	12.3	16.2	24.6	4.4
Cooking												
Number of Hot Meals Cooked in the Home												
2 or More a Day	34.7	2.1	4.5	4.8	7.1	4.6	5.5	6.1	7.5	9.8	14.4	5.3
1 a Day	42.8	1.2	3.9	3.9	7.6	6.6	8.8	10.9	4.4	6.6	11.0	5.4
A Few per Week	15.4	0.7	1.6	1.9	3.0	2.2	2.6	3.4	1.8	2.3	4.2	8.2
About 1 a Week	2.0	Q	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.7	24.6
Less Than 1 a Week	1.8	Q	0.4	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.5	22.6
Amount of Food Cooked in Microwave Oven												
Most or All	4.7	0.2	0.4	0.4	1.1	0.9	0.7	1.0	0.6	0.7	1.1	16.6
About Half	13.1	0.4	0.9	1.0	2.6	1.9	2.6	3.7	1.1	1.6	3.0	9.7
Some or Very Little	22.2	0.6	1.4	2.2	4.0	3.5	4.6	5.8	2.2	3.3	5.3	7.6
Only for Defrosting, Reheating, or Snacks	41.2	1.4	4.0	4.6	8.0	6.4	7.9	9.0	5.4	7.5	12.5	5.3
No Microwave Oven	15.3	1.5	3.9	2.9	2.7	1.4	1.6	1.4	5.2	6.3	8.8	7.6
Lighting												
Indoor Light Usage												
1 to 4 Hours a Day												
Yes	87.0	3.3	9.1	9.7	16.5	12.8	16.1	19.4	12.3	16.6	26.4	3.7
No	9.6	0.8	1.5	1.4	1.9	1.3	1.3	1.5	2.1	2.7	4.3	10.2
4 to 12 Hours a Day												
Yes	83.2	3.1	7.8	9.0	15.7	12.3	16.2	19.2	10.9	14.9	24.3	3.7
No	13.4	1.0	2.8	2.1	2.7	1.8	1.3	1.8	3.5	4.4	6.3	8.6
More than 12 Hours a Day												
Yes	30.3	1.4	3.1	3.3	5.9	4.5	5.6	6.6	4.9	6.8	9.8	6.0
No	66.4	2.7	7.4	7.8	12.5	9.6	11.9	14.4	9.5	12.6	20.9	4.0
Outdoor Lights												
Used	63.5	1.8	5.3	6.3	11.8	9.6	12.4	16.3	7.3	10.4	17.0	5.0
Not Used	33.1	2.2	5.3	4.8	6.6	4.5	5.0	4.6	7.0	9.0	13.7	6.1

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.26b. Usage Indicators by Family Income, Percent of U.S. Households, 1993 (Continued)

Usage Indicators	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	1.9	1.3	1.1	0.9	1.1	1.0	0.9	1.1	1.0	0.8	
Hot Water (continued)												
Loads of Laundry Washed Each Week												
1 to 5 Loads	37.8	29.4	41.2	40.7	42.4	39.1	34.7	33.9	33.7	33.8	35.4	4.4
6 to 10 Loads	25.8	12.8	11.1	16.6	21.2	30.6	32.0	36.5	15.3	16.2	17.5	6.9
11 to 15 Loads	8.9	3.6	1.8	4.1	5.9	9.8	12.5	15.2	4.4	5.3	5.6	12.6
16 or More Loads	4.5	2.1	1.6	2.1	4.8	4.2	6.0	6.3	3.6	4.4	4.0	17.5
No Washing Machine	22.9	52.1	44.4	36.4	25.8	16.2	14.9	8.0	43.0	40.3	37.4	6.0
Dishwasher Use												
Less Than Once a Week	2.4	Q	Q	Q	2.7	4.3	2.4	2.4	1.1	1.0	1.2	21.9
A Few Times a Week	22.0	13.0	7.2	14.2	19.2	25.5	26.8	31.5	8.3	8.3	10.3	8.8
Several Times a Week	12.2	Q	1.4	6.3	7.5	10.5	18.7	22.5	2.8	3.4	4.1	12.2
Every Day	7.5	Q	1.5	1.7	3.7	8.2	10.2	15.7	2.1	2.8	3.4	14.9
More Than Every Day	1.1	Q	Q	Q	1.2	1.3	0.9	1.9	Q	1.0	0.7	32.5
No Dishwasher	54.8	82.9	88.6	75.9	65.6	50.2	41.1	25.9	85.2	83.5	80.2	2.4
Cooking												
Number of Hot Meals Cooked in the Home												
2 or More a Day	35.9	51.2	42.4	43.1	38.6	32.6	31.7	29.0	52.3	50.6	47.0	4.1
1 a Day	44.3	29.0	37.1	35.1	41.2	46.9	50.2	51.8	30.8	34.3	35.7	4.3
A Few per Week	15.9	16.3	15.3	16.9	16.1	15.6	15.0	16.4	12.7	11.9	13.6	7.5
About 1 a Week	2.1	Q	1.9	3.2	2.6	2.3	1.5	1.4	1.8	1.4	2.1	24.2
Less Than 1 a Week	1.9	Q	3.3	1.7	1.5	2.6	1.6	1.3	2.3	1.8	1.6	22.5
Amount of Food Cooked in Microwave Oven												
Most or All	4.9	4.3	3.8	4.0	5.9	6.2	4.2	4.7	3.9	3.8	3.7	16.3
About Half	13.6	9.2	8.1	9.4	14.0	13.6	15.1	17.8	7.5	8.5	9.6	9.3
Some or Very Little	23.0	15.4	13.7	19.6	21.9	24.9	26.4	27.9	15.4	16.8	17.1	7.0
Only for Defrosting, Reheating, or Snacks	42.7	35.3	38.1	41.3	43.4	45.3	45.0	42.8	37.4	38.5	40.8	4.2
No Microwave Oven	15.9	35.8	36.4	25.7	14.8	9.9	9.3	6.8	35.8	32.4	28.8	6.4
Lighting												
Indoor Light Usage												
1 to 4 Hours a Day												
Yes	90.0	81.3	86.0	87.3	89.9	91.0	92.4	92.7	85.5	85.9	86.1	1.4
No	10.0	18.7	14.0	12.7	10.1	9.0	7.6	7.3	14.5	14.1	13.9	9.8
4 to 12 Hours a Day												
Yes	86.1	76.3	73.8	80.8	85.2	87.3	92.6	91.6	75.9	77.1	79.3	1.8
No	13.9	23.7	26.2	19.2	14.8	12.7	7.4	8.4	24.1	22.9	20.7	7.8
More than 12 Hours a Day												
Yes	31.3	33.8	29.7	29.6	31.9	31.8	31.8	31.3	34.1	35.0	32.0	5.0
No	68.7	66.2	70.3	70.4	68.1	68.2	68.2	68.7	65.9	65.0	68.0	2.4
Outdoor Lights												
Used	65.8	45.0	49.6	56.9	64.3	68.0	71.1	77.9	51.1	53.5	55.4	3.5
Not Used	34.2	55.0	50.4	43.1	35.7	32.0	28.9	22.1	48.9	46.5	44.6	5.3

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

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

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.27a. Conservation by Census Region and Climate Zone,
Million U.S. Households, 1993**

Conservation-Related Items	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.8	0.8	0.7	0.8	2.3	1.4	1.3	1.5	1.2	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	6.5
Adequacy of Insulation (all households)											
Well Insulated	36.0	7.2	8.8	13.1	6.9	3.5	10.3	8.1	5.9	8.2	6.2
Adequately Insulated	38.4	8.1	9.5	12.7	8.1	3.5	10.3	9.4	6.8	8.5	5.2
Poorly Insulated	22.2	4.2	5.0	7.7	5.4	1.7	6.0	4.9	5.1	4.5	7.2
Demand-Side Management Programs											
Were Any Offered by a Utility											
Yes	34.8	7.1	8.9	10.4	8.4	4.8	9.8	6.9	6.3	7.0	6.2
No	40.0	8.2	9.0	15.6	7.1	2.3	10.4	11.0	7.3	9.0	7.9
Don't Know	21.8	4.1	5.4	7.5	4.8	1.6	6.3	4.5	4.3	5.2	8.5
Program Participation in Past 12 Months											
No Program Offered	40.0	8.2	9.0	15.6	7.1	2.3	10.4	11.0	7.3	9.0	7.9
Don't Know	2.7	0.6	0.7	0.8	0.6	0.3	0.6	0.9	0.6	0.4	16.8
No	46.4	9.0	11.7	14.8	10.9	5.0	13.4	8.8	8.8	10.4	5.9
Yes (more than one may apply)	7.6	1.6	1.9	2.4	1.8	1.2	2.1	1.8	1.2	1.4	13.0
Energy Audit	1.4	0.3	0.5	0.3	0.4	0.3	0.4	0.3	0.2	0.3	23.0
Load-Control Program	2.6	0.2	0.8	1.3	0.3	0.5	0.4	0.6	0.3	0.7	25.1
Equipment or Service	1.7	0.4	0.3	0.4	0.5	0.3	0.5	0.3	0.2	0.3	25.2
Rebate or Incentive	0.5	Q	0.2	Q	0.2	0.1	Q	Q	Q	Q	35.6
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	0.4	0.5	0.5	0.2	0.4	0.3	0.4	0.2	0.3	29.5
Does the Home Have Any of the Following:											
Set-Back/Clock Thermostat											
Yes	10.8	2.9	2.0	2.9	3.2	0.5	2.9	2.8	2.0	2.7	12.4
No	85.8	16.6	21.3	30.6	17.2	8.2	23.6	19.7	15.8	18.5	4.5
Regular Heating System/ Furnace Maintenance											
Yes	49.4	12.9	13.8	14.1	8.7	5.7	15.9	12.4	6.0	9.5	5.8
No	47.2	6.6	9.5	19.4	11.6	3.0	10.6	10.1	11.8	11.7	6.5
Trees Shading the Afternoon Summer Sun											
Yes	44.9	7.9	10.6	17.1	9.4	4.1	11.3	10.1	8.5	11.0	6.5
No	51.7	11.6	12.7	16.4	10.9	4.6	15.2	12.3	9.3	10.2	5.6

See footnotes at end of table.

**Table 3.27b. Conservation by Census Region and Climate Zone,
Percent of U.S. Households, 1993**

Conservation-Related Items	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	1.0	0.9	1.0	1.4	1.0	1.1	1.2	1.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Adequacy of Insulation (all households)											
Well Insulated	37.3	37.1	37.9	39.0	34.0	40.3	38.8	36.2	33.4	38.7	3.8
Adequately Insulated	39.7	41.5	40.8	38.0	39.6	40.3	38.7	41.8	38.0	40.0	3.2
Poorly Insulated	23.0	21.4	21.2	23.0	26.4	19.4	22.5	22.0	28.6	21.3	5.3
Demand-Side Management Programs											
Were Any Offered by a Utility											
Yes	36.0	36.7	38.3	30.9	41.3	55.6	37.1	30.7	35.2	33.1	4.8
No	41.3	42.3	38.5	46.6	35.0	25.9	39.3	49.2	40.9	42.3	5.8
Don't Know	22.6	21.0	23.2	22.5	23.7	18.5	23.6	20.1	23.9	24.6	6.8
Program Participation in Past 12 Months											
No Program Offered	41.3	42.3	38.5	46.6	35.0	25.9	39.3	49.2	40.9	42.3	5.8
Don't Know	2.8	3.1	3.0	2.3	3.0	3.2	2.3	3.9	3.1	1.7	16.5
No	48.0	46.2	50.3	44.1	53.3	57.5	50.5	39.0	49.3	49.3	3.9
Yes (more than one may apply)	7.9	8.3	8.2	7.0	8.6	13.4	7.9	7.9	6.6	6.6	12.0
Energy Audit	1.5	1.4	2.0	1.0	1.9	3.7	1.4	1.2	1.3	1.2	22.3
Load-Control Program	2.7	0.9	3.4	3.9	1.4	5.5	1.6	2.8	1.8	3.3	24.6
Equipment or Service	1.7	2.0	1.3	1.3	2.7	3.5	2.1	1.5	1.1	1.3	24.9
Rebate or Incentive	0.5	Q	0.9	Q	0.9	1.6	Q	Q	Q	Q	32.7
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	1.9	2.1	1.4	1.2	4.2	1.2	2.0	0.9	1.3	29.5
Does the Home Have Any of the Following:											
Set-Back/Clock Thermostat											
Yes	11.2	14.7	8.5	8.6	15.5	5.6	11.0	12.4	11.4	12.5	11.8
No	88.8	85.3	91.5	91.4	84.5	94.4	89.0	87.6	88.6	87.5	1.6
Regular Heating System/Furnace Maintenance											
Yes	51.1	66.0	59.2	42.0	42.8	65.5	59.9	55.1	33.8	44.7	3.8
No	48.9	34.0	40.8	58.0	57.2	34.5	40.1	44.9	66.2	55.3	4.1
Trees Shading the Afternoon Summer Sun											
Yes	46.5	40.3	45.4	51.0	46.2	46.7	42.5	45.1	47.5	51.9	4.0
No	53.5	59.7	54.6	49.0	53.8	53.3	57.5	54.9	52.5	48.1	3.4

See footnotes at end of table.

**Table 3.27a. Conservation by Census Region and Climate Zone,
Million U.S. Households, 1993 (Continued)**

Conservation-Related Items	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD and Few- er than 4,000 HDD	
						More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Few- er than 4,000 HDD		
RSE Column Factor:	0.4	0.8	0.8	0.7	0.8	2.3	1.4	1.3	1.5	1.2	
Doors and Windows											
Glass in Sliding Doors to the Outside											
Single Pane	12.2	0.4	0.8	5.4	5.6	0.2	1.2	1.5	4.1	5.2	11.3
Double Pane	18.3	3.7	6.0	4.7	3.9	1.9	6.7	5.0	1.9	2.8	9.1
Untreated	17.5	3.5	5.7	4.5	3.8	1.8	6.4	4.8	1.8	2.7	9.4
Low-E Coating	0.8	0.2	0.2	0.2	0.1	0.1	0.3	0.2	Q	Q	24.8
Triple Pane	0.4	0.1	Q	Q	Q	Q	0.2	Q	Q	Q	43.3
No Doors	65.8	15.2	16.3	23.4	10.8	6.6	18.4	15.9	11.7	13.2	5.3
Glass in Most Windows											
Single Pane	61.5	10.0	13.0	24.0	14.4	4.8	14.3	11.9	14.3	16.2	4.4
Double Pane	34.2	9.2	9.9	9.2	5.9	3.8	11.8	10.3	3.4	4.8	5.9
Untreated	32.5	8.7	9.3	8.9	5.7	3.4	11.3	9.9	3.3	4.6	6.2
Low-E Coating	1.7	0.6	0.6	0.4	0.2	0.4	0.5	0.5	0.1	0.2	23.7
Triple Pane	0.9	0.2	0.4	0.1	0.1	0.1	0.4	0.2	Q	Q	26.2
Coverings on Windows											
Storm Windows	36.5	10.5	14.1	9.8	2.1	5.5	14.4	10.0	3.4	3.1	8.5
Plastic Coverings	3.7	0.5	1.0	1.3	0.9	0.4	1.1	0.8	0.6	0.8	17.9
Neither	56.4	8.5	8.2	22.3	17.3	2.8	10.9	11.7	13.8	17.2	5.2
Frames in Most Windows											
Metal	53.3	8.0	8.4	22.4	14.5	2.1	11.0	11.8	11.3	17.1	5.9
Nonmetal	43.3	11.5	14.9	11.0	5.9	6.6	15.5	10.6	6.4	4.0	7.1
Number of Original Windows Replaced											
All	10.7	4.3	2.8	2.3	1.4	1.0	3.5	3.8	1.3	1.0	11.5
Some	15.5	3.6	4.4	3.7	3.8	2.2	4.5	3.5	3.0	2.4	9.8
None	70.3	11.6	16.1	27.4	15.2	5.4	18.5	15.2	13.5	17.7	4.4
Type of Replacement Windows											
Single Pane	10.3	2.0	2.0	3.3	2.9	1.0	2.1	2.0	2.8	2.4	10.0
Double Pane	15.2	5.7	4.7	2.6	2.2	2.1	5.5	5.1	1.5	1.0	10.3
Untreated	13.7	5.2	4.2	2.4	2.0	1.8	5.0	4.6	1.4	0.9	10.7
Low-E Coating	1.5	0.5	0.6	0.2	0.2	0.4	0.5	0.5	0.2	Q	25.4
Triple Pane	0.7	0.2	0.4	Q	Q	Q	0.4	Q	Q	Q	21.7
None Replaced	70.4	11.6	16.1	27.5	15.2	5.4	18.5	15.2	13.5	17.8	4.4
Age of Replacement Windows											
Less than 2 Years	7.2	1.9	1.8	2.0	1.5	1.0	2.0	1.5	1.4	1.2	12.2
2-4 Years	7.1	2.3	1.7	1.8	1.4	0.7	1.9	2.5	1.1	1.0	12.8
5-9 Years	6.5	2.1	2.0	1.3	1.2	0.7	2.0	2.0	1.0	0.7	11.2
10-19 Years	4.2	1.3	1.3	0.8	0.8	0.6	1.6	1.0	0.6	0.5	15.2
20 Years or More	1.2	0.4	0.3	0.2	0.3	0.2	0.5	0.2	0.2	Q	24.4
None Replaced	70.4	11.6	16.1	27.5	15.2	5.4	18.5	15.2	13.5	17.8	4.4

See footnotes at end of table.

Table 3.27b. Conservation by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	1.0	0.9	1.0	1.4	1.0	1.1	1.2	1.1	
Doors and Windows											
Glass in Sliding Doors to the Outside											
Single Pane	12.6	2.2	3.5	16.0	27.5	Q	4.6	6.6	23.3	24.6	10.2
Double Pane	18.9	19.1	25.6	13.9	19.2	21.9	25.2	22.3	10.7	13.0	8.4
Untreated	18.1	17.8	24.5	13.5	18.6	20.5	24.2	21.2	10.3	12.8	8.6
Low-E Coating	0.8	1.3	1.0	0.5	0.6	1.4	1.1	1.1	Q	Q	24.6
Triple Pane	0.4	0.6	Q	Q	Q	Q	0.7	Q	Q	Q	39.8
No Doors	68.1	78.1	70.1	69.9	53.1	75.4	69.5	70.7	66.0	62.3	3.0
Glass in Most Windows											
Single Pane	63.6	51.6	55.9	71.7	70.7	55.1	54.0	53.0	80.1	76.5	2.2
Double Pane	35.4	47.3	42.3	27.6	28.8	43.4	44.5	46.0	19.3	22.8	4.0
Untreated	33.6	44.4	39.9	26.5	27.8	39.3	42.5	44.0	18.5	21.9	4.3
Low-E Coating	1.7	2.9	2.4	1.1	0.9	4.1	2.0	2.1	0.8	0.9	23.4
Triple Pane	0.9	1.1	1.8	0.4	0.5	1.5	1.4	1.0	Q	Q	24.4
Coverings on Windows											
Storm Windows	37.8	53.8	60.6	29.2	10.4	63.6	54.5	44.4	19.3	14.8	5.9
Plastic Coverings	3.8	2.5	4.1	4.0	4.4	4.4	4.2	3.4	3.3	3.9	17.2
Neither	58.3	43.7	35.3	66.6	85.2	32.0	41.3	52.2	77.4	81.0	3.8
Frames in Most Windows											
Metal	55.1	41.0	36.0	66.9	71.1	23.6	41.4	52.7	63.7	80.6	4.1
Nonmetal	44.8	59.0	64.0	32.8	28.9	76.4	58.6	47.3	36.2	19.0	4.8
Number of Original Windows Replaced											
All	11.0	21.9	11.9	6.7	6.7	11.9	13.3	16.8	7.3	4.8	10.0
Some	16.1	18.7	18.8	11.2	18.5	25.7	16.8	15.4	16.9	11.3	8.0
None	72.8	59.4	69.3	81.8	74.8	62.4	69.9	67.8	75.7	83.5	2.3
Type of Replacement Windows											
Single Pane	10.6	10.4	8.6	9.9	14.5	11.8	7.9	8.9	15.5	11.3	8.4
Double Pane	15.8	29.3	20.3	7.8	10.7	24.7	20.6	22.8	8.6	4.7	8.7
Untreated	14.2	26.7	17.8	7.1	9.7	20.5	18.9	20.7	7.6	4.3	8.9
Low-E Coating	1.6	2.6	2.5	0.7	1.1	4.1	1.7	2.1	1.0	Q	24.5
Triple Pane	0.7	0.9	1.8	Q	Q	Q	1.6	Q	Q	Q	18.3
None Replaced	72.9	59.4	69.3	82.1	74.8	62.4	69.9	67.8	75.8	83.9	2.3
Age of Replacement Windows											
Less than 2 Years	7.5	9.7	7.8	5.8	7.5	11.7	7.7	6.9	7.9	5.7	10.5
2-4 Years	7.3	11.6	7.3	5.3	6.7	8.3	7.1	11.0	5.9	4.6	11.5
5-9 Years	6.7	10.5	8.4	3.9	5.7	8.4	7.7	9.0	5.7	3.2	9.9
10-19 Years	4.3	6.6	5.6	2.4	3.8	6.4	5.9	4.5	3.4	2.2	13.9
20 Years or More	1.3	2.1	1.5	0.5	1.5	2.8	1.8	0.9	1.2	Q	23.9
None Replaced	72.9	59.4	69.3	82.1	74.8	62.4	69.9	67.8	75.8	83.9	2.3

See footnotes at end of table.

Table 3.27a. Conservation by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	0.8	0.8	0.7	0.8	2.3	1.4	1.3	1.5	1.2	
Conservation Measures (Single-Family Units and Mobile Homes Only)											
	72.4	12.5	18.0	27.4	14.5	7.3	18.9	16.0	13.2	17.0	5.3
Types of Insulation in/around Home											
Roof/Ceiling											
Yes	58.6	10.4	15.1	21.8	11.4	6.5	15.8	13.1	9.8	13.5	6.0
No	6.4	1.0	1.3	2.6	1.5	0.4	1.4	1.3	1.7	1.6	15.0
Don't Know	7.4	1.1	1.6	3.0	1.7	0.4	1.8	1.6	1.7	1.9	11.8
Outside Walls											
Yes	50.7	9.4	13.7	18.6	8.9	6.0	14.3	11.5	7.5	11.4	7.0
No	11.4	1.7	2.1	4.4	3.3	0.6	2.3	2.4	3.2	2.9	12.5
Don't Know	10.3	1.4	2.2	4.4	2.3	0.7	2.3	2.1	2.5	2.7	11.5
Floor Insulation											
No Basement/Crawlspace	17.8	1.4	1.3	10.2	4.9	0.3	1.6	2.3	4.0	9.6	13.9
Basement/Crawlspace	49.0	10.5	15.3	14.6	8.6	6.3	15.9	12.9	8.3	5.6	6.4
Heated	20.8	5.1	9.2	3.7	2.8	4.2	8.5	5.8	1.5	0.9	10.4
None or Part Heated	28.2	5.4	6.1	10.9	5.7	2.1	7.4	7.2	6.8	4.7	8.9
Floor Not Insulated	15.7	3.0	4.1	5.6	3.0	1.5	4.2	3.6	3.6	2.7	12.3
Floor Insulated	12.5	2.4	2.0	5.4	2.7	0.6	3.2	3.6	3.2	2.0	12.2
All Parts Insulated	5.9	1.2	1.1	2.5	1.0	0.4	1.6	1.9	1.3	0.7	14.3
Some Parts Insulated	1.6	0.5	0.3	0.5	0.3	Q	0.6	0.5	0.2	0.2	26.5
Don't Know	5.0	0.7	0.6	2.3	1.5	Q	1.0	1.2	1.6	1.0	18.1
Water Heater											
Yes	17.4	3.1	3.8	5.3	5.2	2.2	4.4	3.6	3.9	3.3	9.0
No	51.5	8.9	13.6	20.4	8.6	5.0	13.8	11.6	8.3	12.8	6.4
Don't Know	3.5	0.5	0.6	1.7	0.7	0.1	0.8	0.8	1.0	0.8	17.4
Hot Water Pipes											
Yes	21.9	4.2	4.8	9.2	3.7	2.4	5.5	4.8	3.8	5.4	9.2
No	42.6	7.5	12.2	14.2	8.7	4.7	12.0	9.7	7.3	9.0	6.6
Don't Know	7.8	0.7	1.0	4.0	2.1	0.2	1.4	1.5	2.1	2.6	13.4
Heating/Cooling Ducts											
Yes	21.4	1.9	3.2	12.6	3.7	1.0	3.6	3.5	4.6	8.7	11.2
No	42.6	9.6	13.2	11.2	8.6	5.9	13.6	10.6	6.5	5.9	7.1
Don't Know	8.4	1.0	1.6	3.6	2.2	0.4	1.7	1.9	2.1	2.4	11.6
Weather Stripping											
Yes	45.7	8.7	12.1	16.8	8.1	5.1	12.9	10.1	7.1	10.5	7.2
No	23.3	3.5	5.3	8.9	5.6	2.0	5.5	5.2	5.1	5.5	8.9
Don't Know	3.4	0.3	0.6	1.7	0.8	0.2	0.5	0.7	1.0	0.9	18.3
Caulking											
Yes	51.2	9.2	13.7	19.7	8.6	5.7	13.9	11.5	7.9	12.2	6.7
No	17.1	2.9	3.5	5.9	4.9	1.3	4.1	3.6	4.2	3.9	9.9
Don't Know	4.1	0.4	0.9	1.8	1.0	0.3	0.9	0.9	1.1	0.9	16.9

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.27b. Conservation by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	1.0	0.9	1.0	1.4	1.0	1.1	1.2	1.1	
Conservation Measures (Single-Family Units and Mobile Homes Only)											
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Types of Insulation in/around Home											
Roof/Ceiling											
Yes	81.0	83.3	83.7	79.5	78.4	89.4	83.4	81.9	74.1	79.2	1.7
No	8.8	7.9	7.4	9.4	10.2	4.9	7.3	8.0	12.9	9.6	13.0
Don't Know	10.2	8.8	8.9	11.1	11.4	5.8	9.2	10.1	13.0	11.2	9.8
Outside Walls											
Yes	70.0	75.4	76.4	67.9	61.6	82.1	75.4	72.0	56.9	67.1	3.1
No	15.8	13.4	11.6	16.1	22.4	8.2	12.4	15.1	24.4	16.9	10.7
Don't Know	14.2	11.2	12.0	16.0	16.0	9.7	12.2	12.9	18.7	16.0	9.9
Floor Insulation											
No Basement/Crawlspace	24.6	11.4	7.0	37.1	33.9	4.7	8.3	14.3	30.6	56.2	12.4
Basement/Crawlspace	67.7	84.2	85.1	53.4	59.1	86.3	84.0	80.9	62.8	32.9	2.9
Heated	28.8	40.8	51.1	13.5	19.6	57.5	44.9	36.0	11.1	5.4	7.9
None or Part Heated	38.9	43.4	34.0	39.8	39.5	28.8	39.2	44.9	51.7	27.5	5.7
Floor Not Insulated	21.6	24.2	22.7	20.2	20.8	21.0	22.4	22.2	27.5	15.9	9.3
Floor Insulated	17.3	19.3	11.2	19.6	18.7	7.8	16.7	22.6	24.2	11.6	10.4
All Parts Insulated	8.2	9.8	6.4	9.3	6.9	5.5	8.2	11.9	9.9	4.3	13.1
Some Parts Insulated	2.2	4.1	1.7	1.9	1.8	Q	3.0	3.1	1.8	1.4	24.5
Don't Know	6.9	5.4	3.1	8.4	10.1	Q	5.5	7.6	12.5	5.9	16.0
Water Heater											
Yes	24.0	24.9	21.1	19.2	36.1	30.1	23.2	22.6	29.3	19.7	6.9
No	71.1	71.1	75.5	74.5	59.1	68.3	72.6	72.2	63.3	75.6	2.7
Don't Know	4.9	4.0	3.4	6.2	4.8	1.7	4.2	5.1	7.4	4.8	15.6
Hot Water Pipes											
Yes	30.3	33.8	26.6	33.6	25.6	32.6	29.1	30.3	28.8	31.8	6.2
No	58.9	60.5	67.7	51.8	60.1	64.3	63.5	60.5	55.4	52.7	3.3
Don't Know	10.8	5.8	5.6	14.6	14.3	3.2	7.4	9.2	15.8	15.5	12.1
Heating/Cooling Ducts											
Yes	29.5	15.0	17.9	46.0	25.3	13.3	18.8	22.1	34.9	51.2	8.1
No	58.8	77.0	73.4	40.7	59.3	81.8	72.0	66.0	49.3	34.9	3.7
Don't Know	11.7	8.1	8.7	13.2	15.4	4.9	9.2	11.8	15.8	13.9	11.1
Weather Stripping											
Yes	63.2	69.7	67.4	61.1	56.2	69.9	68.3	63.0	53.8	62.0	3.5
No	32.2	28.1	29.2	32.6	38.5	27.2	28.9	32.4	38.6	32.7	6.8
Don't Know	4.7	2.2	3.4	6.3	5.4	2.9	2.8	4.6	7.6	5.4	18.1
Caulking											
Yes	70.7	74.0	76.0	71.9	59.1	78.1	73.5	72.0	59.6	72.0	2.7
No	23.6	22.9	19.2	21.4	33.8	18.4	21.7	22.4	31.7	22.7	7.8
Don't Know	5.7	3.0	4.8	6.7	7.1	3.5	4.8	5.6	8.7	5.3	15.8

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.28a. Conservation by Year of Construction,
Million U.S. Households, 1993**

Conservation-Related Items	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.3	1.7	1.4	1.5	1.1	0.9	1.0	0.9	1.2	0.8	
Total	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.2
Adequacy of Insulation (all households)											
Well Insulated	36.0	2.7	2.6	2.6	3.4	6.7	5.9	4.5	2.2	5.5	7.0
Adequately Insulated	38.4	1.4	1.5	2.0	3.8	7.9	6.0	5.1	2.7	8.0	7.6
Poorly Insulated	22.2	0.4	0.6	0.8	1.3	3.6	3.1	3.5	2.0	6.9	9.5
Demand-Side Management Programs											
Were Any Offered by a Utility											
Yes	34.8	1.8	1.9	2.4	3.0	6.1	5.1	5.1	2.4	7.1	7.8
No	40.0	1.5	2.0	2.0	3.4	8.2	6.1	5.2	2.9	8.7	7.6
Don't Know	21.8	1.2	0.8	1.1	2.1	3.9	3.8	2.8	1.6	4.6	9.2
Program Participation in Past 12 Months											
No Program Offered	40.0	1.5	2.0	2.0	3.4	8.2	6.1	5.2	2.9	8.7	7.6
Don't Know	2.7	0.2	0.1	Q	0.2	0.6	0.3	0.4	0.2	0.7	25.2
No	46.4	2.4	2.0	2.8	4.0	8.0	7.8	6.5	3.4	9.5	6.9
Yes (more than one may apply)	7.6	0.4	0.6	0.6	0.8	1.4	0.8	1.0	0.5	1.5	15.3
Energy Audit	1.4	Q	0.1	0.1	Q	0.3	0.2	0.2	Q	0.3	29.8
Load-Control Program	2.6	0.2	0.3	0.3	0.4	0.4	0.3	0.3	Q	0.3	26.7
Equipment or Service	1.7	Q	0.2	0.1	0.2	0.4	0.2	0.1	Q	0.4	30.3
Rebate or Incentive	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	61.1
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	Q	0.1	0.1	0.1	0.3	Q	0.3	Q	0.3	31.6
Does the Home Have Any of the Following:											
Set-Back/Clock Thermostat											
Yes	10.8	1.0	0.9	0.7	0.9	1.9	1.5	1.7	0.4	1.7	13.7
No	85.8	3.4	3.8	4.8	7.6	16.2	13.5	11.4	6.5	18.6	5.5
Regular Heating System/ Furnace Maintenance											
Yes	49.4	2.2	2.5	3.0	4.5	8.6	8.1	6.5	3.3	10.8	6.8
No	47.2	2.2	2.2	2.5	4.0	9.6	6.9	6.6	3.7	9.6	6.9
Trees Shading the Afternoon Summer Sun											
Yes	44.9	1.2	1.4	2.1	3.5	8.4	7.6	7.3	3.7	9.8	7.2
No	51.7	3.2	3.3	3.4	5.0	9.7	7.4	5.8	3.3	10.6	6.6

See footnotes at end of table.

Table 3.28b. Conservation by Year of Construction, Percent of U.S. Households, 1993

Conservation-Related Items	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.4	1.4	1.4	1.2	0.9	1.0	0.9	1.2	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Adequacy of Insulation (all households)											
Well Insulated	37.3	60.2	55.5	47.3	39.9	36.8	39.2	34.2	32.3	27.0	5.2
Adequately Insulated	39.7	31.2	32.0	37.2	44.8	43.6	40.1	38.8	39.2	39.1	5.4
Poorly Insulated	23.0	8.6	12.6	15.4	15.3	19.6	20.7	27.0	28.5	33.9	8.3
Demand-Side Management Programs											
Were Any Offered by a Utility											
Yes	36.0	39.8	39.7	42.9	35.2	33.4	34.1	39.4	35.2	34.8	5.9
No	41.3	34.4	42.8	36.9	40.0	45.2	40.3	39.5	41.3	42.8	5.8
Don't Know	22.6	25.9	17.6	20.2	24.9	21.3	25.5	21.1	23.4	22.4	7.9
Program Participation in Past 12 Months											
No Program Offered	41.3	34.4	42.8	36.9	40.0	45.2	40.3	39.5	41.3	42.8	5.8
Don't Know	2.8	4.2	1.7	Q	2.5	3.1	2.3	2.8	2.8	3.2	24.5
No	48.0	53.5	42.7	50.8	47.7	44.1	51.8	49.8	48.9	46.5	4.5
Yes (more than one may apply)	7.9	7.9	12.9	10.7	9.8	7.5	5.6	8.0	7.0	7.4	14.5
Energy Audit	1.5	Q	3.2	1.4	Q	1.8	1.6	1.2	Q	1.4	29.0
Load-Control Program	2.7	3.6	6.8	6.3	4.6	2.4	2.1	2.1	Q	1.4	26.1
Equipment or Service	1.7	Q	3.3	2.7	1.8	2.3	1.2	1.1	Q	2.0	29.2
Rebate or Incentive	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	49.6
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	Q	2.9	2.7	1.7	1.4	Q	2.1	Q	1.5	30.1
Does the Home Have Any of the Following:											
Set-Back/Clock Thermostat											
Yes	11.2	23.3	18.9	13.1	10.6	10.5	10.1	13.0	6.2	8.6	12.7
No	88.8	76.7	81.1	86.9	89.4	89.5	89.9	87.0	93.8	91.4	1.7
Regular Heating System/ Furnace Maintenance											
Yes	51.1	49.7	53.7	54.2	53.0	47.3	54.2	49.4	47.1	53.0	4.6
No	48.9	50.3	46.3	45.8	47.0	52.7	45.8	50.6	52.9	47.0	4.9
Trees Shading the Afternoon Summer Sun											
Yes	46.5	27.5	29.5	37.4	40.8	46.4	50.8	55.7	52.9	48.1	5.3
No	53.5	72.5	70.5	62.6	59.2	53.6	49.2	44.3	47.1	51.9	4.1

See footnotes at end of table.

**Table 3.28a. Conservation by Year of Construction,
Million U.S. Households, 1993 (Continued)**

Conservation-Related Items	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.3	1.7	1.4	1.5	1.1	0.9	1.0	0.9	1.2	0.8	
Doors and Windows											
Glass in Sliding Doors to the Outside											
Single Pane	12.2	0.6	0.6	1.1	1.7	3.7	2.5	1.3	0.4	0.4	14.4
Double Pane	18.3	1.3	1.4	1.5	2.6	4.7	3.7	1.7	0.4	0.9	11.7
Untreated	17.5	1.1	1.3	1.5	2.6	4.5	3.6	1.5	0.4	0.9	12.0
Low-E Coating	0.8	0.1	0.1	0.1	Q	0.1	Q	Q	Q	Q	22.2
Triple Pane	0.4	Q	Q	Q	Q	0.2	Q	Q	Q	Q	52.4
No Doors	65.8	2.5	2.7	2.9	4.2	9.5	8.8	10.0	6.1	19.0	5.9
Glass in Most Windows											
Single Pane	61.5	1.6	1.8	2.4	4.9	11.5	9.6	9.5	5.3	15.0	5.8
Double Pane	34.2	2.9	2.9	3.1	3.6	6.4	5.2	3.5	1.6	5.1	7.6
Untreated	32.5	2.6	2.7	2.9	3.5	6.2	5.0	3.2	1.4	4.9	7.9
Low-E Coating	1.7	0.2	0.2	0.1	Q	0.2	0.3	0.3	0.1	0.2	24.8
Triple Pane	0.9	Q	Q	Q	Q	0.2	Q	Q	Q	0.2	31.9
Coverings on Windows											
Storm Windows	36.5	0.9	1.1	1.3	1.9	5.5	5.9	5.2	3.2	11.4	9.0
Plastic Coverings	3.7	Q	0.1	0.2	0.3	0.8	0.3	0.5	0.4	0.9	22.1
Neither	56.4	3.5	3.5	4.1	6.3	11.8	8.7	7.3	3.3	8.0	6.2
Frames in Most Windows											
Metal	53.3	3.0	3.2	4.0	6.7	12.8	9.9	6.3	2.5	4.7	7.0
Nonmetal	43.3	1.5	1.5	1.4	1.7	5.2	5.1	6.8	4.4	15.6	7.7
Number of Original Windows Replaced											
All	10.7	Q	Q	Q	0.2	0.8	1.7	2.5	1.3	4.1	14.0
Some	15.5	0.2	0.3	0.2	0.8	2.1	2.7	2.9	1.6	4.8	12.7
None	70.3	4.3	4.4	5.2	7.5	15.2	10.7	7.7	4.1	11.5	5.5
Type of Replacement Windows											
Single Pane	10.3	0.1	0.2	0.1	0.3	1.1	1.4	2.1	1.4	3.6	15.4
Double Pane	15.2	Q	0.1	0.2	0.7	1.7	2.8	3.3	1.4	4.9	12.3
Untreated	13.7	Q	0.1	0.1	0.7	1.5	2.5	2.8	1.2	4.6	13.0
Low-E Coating	1.5	Q	Q	Q	Q	0.2	0.3	0.5	0.2	0.3	29.4
Triple Pane	0.7	Q	Q	Q	Q	Q	Q	Q	Q	0.3	26.0
None Replaced	70.4	4.3	4.4	5.2	7.5	15.2	10.7	7.7	4.1	11.5	5.5
Age of Replacement Windows											
Less than 2 Years	7.2	0.2	0.1	0.1	0.3	1.1	1.1	1.4	0.9	1.8	16.7
2-4 Years	7.1	Q	0.2	0.1	0.4	0.9	1.4	1.3	0.6	2.2	16.5
5-9 Years	6.5	Q	Q	Q	0.2	0.8	1.2	1.4	0.7	2.2	15.1
10-19 Years	4.2	Q	Q	Q	Q	Q	0.6	1.1	0.4	1.9	17.2
20 Years or More	1.2	Q	Q	Q	Q	Q	Q	Q	0.2	0.8	25.9
None Replaced	70.4	4.3	4.4	5.2	7.5	15.2	10.7	7.7	4.1	11.5	5.5

See footnotes at end of table.

Table 3.28b. Conservation by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.4	1.4	1.4	1.2	0.9	1.0	0.9	1.2	0.8	
Doors and Windows											
Glass in Sliding Doors to the Outside											
Single Pane	12.6	14.2	12.3	19.1	19.5	20.6	16.5	10.1	5.3	1.9	13.2
Double Pane	18.9	28.5	29.6	28.1	30.4	25.8	24.9	12.9	6.3	4.6	9.8
Untreated	18.1	25.1	28.0	26.9	30.4	25.1	23.9	11.8	5.9	4.5	10.1
Low-E Coating	0.8	3.4	1.6	1.2	Q	0.7	Q	Q	Q	Q	22.6
Triple Pane	0.4	Q	Q	Q	Q	1.0	Q	Q	Q	Q	46.6
No Doors	68.1	57.0	57.9	52.5	49.9	52.6	58.4	76.7	88.4	93.1	3.9
Glass in Most Windows											
Single Pane	63.6	35.0	38.7	43.5	57.3	63.3	64.1	72.4	76.3	73.8	3.6
Double Pane	35.4	64.3	60.6	55.6	42.2	35.4	34.9	26.9	22.5	25.0	5.4
Untreated	33.6	59.2	57.2	52.9	41.9	34.1	33.2	24.4	20.8	24.1	5.7
Low-E Coating	1.7	5.1	3.4	2.7	Q	1.3	1.7	2.5	1.7	0.9	25.0
Triple Pane	0.9	Q	Q	Q	Q	0.8	Q	Q	Q	1.2	30.0
Coverings on Windows											
Storm Windows	37.8	21.2	22.3	22.8	22.4	30.2	39.4	40.2	46.9	56.2	7.1
Plastic Coverings	3.8	Q	2.9	3.3	3.6	4.4	2.3	4.2	5.8	4.5	21.1
Neither	58.3	78.2	74.7	73.9	74.0	64.9	58.2	55.6	47.2	39.2	3.8
Frames in Most Windows											
Metal	55.1	67.3	68.5	73.7	79.4	70.7	66.1	47.9	36.6	23.2	4.1
Nonmetal	44.8	32.7	31.5	26.3	20.6	28.9	33.8	52.1	63.4	76.8	6.1
Number of Original Windows Replaced											
All	11.0	Q	Q	Q	2.3	4.5	11.1	18.8	18.3	20.1	12.0
Some	16.1	3.7	6.0	3.8	9.6	11.5	17.7	22.5	23.0	23.5	11.7
None	72.8	95.4	93.4	94.3	88.1	83.6	71.1	58.6	58.7	56.5	2.1
Type of Replacement Windows											
Single Pane	10.6	2.1	4.0	2.4	3.2	5.9	9.6	15.9	20.2	17.8	14.6
Double Pane	15.8	Q	2.4	3.2	8.6	9.6	18.4	25.1	20.3	24.2	10.8
Untreated	14.2	Q	2.3	2.7	8.3	8.4	16.4	21.6	18.0	22.5	11.5
Low-E Coating	1.6	Q	Q	Q	Q	1.2	2.0	3.5	2.3	1.7	28.1
Triple Pane	0.7	Q	Q	Q	Q	Q	Q	Q	Q	1.6	24.5
None Replaced	72.9	95.4	93.4	94.3	88.1	84.0	71.2	58.6	58.7	56.5	2.1
Age of Replacement Windows											
Less than 2 Years	7.5	4.5	3.0	2.5	4.1	6.2	7.3	11.0	12.6	9.0	16.0
2-4 Years	7.3	Q	3.4	2.0	5.1	4.8	9.6	9.9	9.2	10.6	15.4
5-9 Years	6.7	Q	Q	Q	2.5	4.2	7.8	11.0	9.7	10.7	13.4
10-19 Years	4.3	Q	Q	Q	Q	Q	3.9	8.7	6.4	9.1	15.8
20 Years or More	1.3	Q	Q	Q	Q	Q	Q	Q	3.4	4.1	24.6
None Replaced	72.9	95.4	93.4	94.3	88.1	84.0	71.2	58.6	58.7	56.5	2.1

See footnotes at end of table.

Table 3.28a. Conservation by Year of Construction, Million U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.3	1.7	1.4	1.5	1.1	0.9	1.0	0.9	1.2	0.8	
Conservation Measures (Single-Family Units and Mobile Homes Only)											
	72.4	3.6	3.9	4.1	6.1	12.4	10.8	11.3	5.6	14.6	5.7
Types of Insulation in/around Home											
Roof/Ceiling											
Yes	58.6	3.3	3.4	3.6	5.4	10.3	9.3	8.9	4.4	10.1	6.3
No	6.4	Q	Q	0.1	0.2	0.8	0.6	1.3	0.7	2.6	18.5
Don't Know	7.4	0.2	0.4	0.5	0.6	1.3	1.0	1.2	0.5	1.9	14.8
Outside Walls											
Yes	50.7	3.2	3.5	3.5	4.9	9.4	7.8	6.7	3.3	8.4	6.8
No	11.4	Q	0.2	0.1	0.3	1.1	1.5	2.7	1.5	4.0	15.6
Don't Know	10.3	0.3	0.2	0.5	0.9	1.9	1.5	2.0	0.7	2.3	13.3
Floor Insulation											
No Basement/Crawlspace	17.8	1.4	1.4	1.6	2.9	3.7	2.9	2.4	0.7	1.0	12.6
Basement/Crawlspace	49.0	1.8	1.9	1.9	2.3	6.7	7.3	8.8	4.8	13.6	7.1
Heated	20.8	0.9	1.0	0.8	1.2	3.4	3.5	3.2	1.5	5.4	11.0
None or Part Heated	28.2	0.8	0.9	1.0	1.1	3.3	3.9	5.6	3.3	8.2	9.3
Floor Not Insulated	15.7	0.3	0.3	0.3	0.4	1.3	2.1	3.2	2.1	5.7	13.7
Floor Insulated	12.5	0.6	0.5	0.7	0.7	2.1	1.8	2.4	1.2	2.5	12.7
All Parts Insulated	5.9	0.4	0.4	0.4	0.3	1.2	0.6	1.0	0.5	1.0	16.5
Some Parts Insulated	1.6	Q	Q	Q	Q	0.3	0.2	0.2	0.2	0.4	34.2
Don't Know	5.0	0.2	0.1	0.2	0.3	0.6	0.9	1.1	0.4	1.1	19.3
Water Heater											
Yes	17.4	0.7	1.1	1.0	1.6	3.4	2.5	2.7	1.5	2.8	9.9
No	51.5	2.7	2.6	2.9	4.2	8.3	7.8	8.0	3.9	11.1	6.5
Don't Know	3.5	0.2	0.2	0.2	0.4	0.7	0.4	0.6	0.2	0.7	20.1
Hot Water Pipes											
Yes	21.9	1.5	1.7	1.3	2.3	4.1	2.7	2.9	1.5	3.9	9.0
No	42.6	1.7	1.8	2.2	3.1	6.8	6.8	7.2	3.6	9.5	7.1
Don't Know	7.8	0.4	0.5	0.6	0.7	1.5	1.3	1.2	0.4	1.2	13.9
Heating/Cooling Ducts											
Yes	21.4	1.9	1.8	1.9	2.9	4.2	3.3	2.6	0.8	2.0	10.1
No	42.6	1.2	1.5	1.6	2.3	6.5	6.4	7.3	4.3	11.4	7.5
Don't Know	8.4	0.4	0.5	0.6	1.0	1.6	1.1	1.4	0.5	1.2	14.2
Weather Stripping											
Yes	45.7	2.7	2.8	2.7	4.0	7.8	6.8	6.5	3.3	9.3	7.4
No	23.3	0.8	0.9	1.3	1.7	3.9	3.6	4.3	2.2	4.7	9.1
Don't Know	3.4	0.2	0.2	0.2	0.5	0.7	0.4	0.5	Q	0.7	20.8
Caulking											
Yes	51.2	2.8	2.7	3.1	4.4	9.1	7.8	7.7	3.6	10.0	6.7
No	17.1	0.6	0.9	0.9	1.3	2.5	2.4	2.8	1.8	3.9	10.6
Don't Know	4.1	0.2	0.2	0.2	0.4	0.8	0.5	0.7	0.2	0.8	19.9

¹ Does not include all new construction for 1993.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.28b. Conservation by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	Year of Construction									RSE Row Factors	
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before		
RSE Column Factor:	0.4	1.4	1.4	1.4	1.2	0.9	1.0	0.9	1.2	0.8		
Conservation Measures (Single-Family Units and Mobile Homes Only)												
.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Types of Insulation in/around Home												
Roof/Ceiling												
Yes	81.0	91.6	87.8	86.5	87.5	83.3	85.9	78.7	79.0	69.2	2.2	
No	8.8	Q	Q	1.5	2.9	6.5	5.3	11.1	12.7	17.8	16.9	
Don't Know	10.2	6.3	9.1	12.0	9.7	10.2	8.8	10.2	8.3	13.0	14.6	
Outside Walls												
Yes	70.0	90.5	89.4	84.9	79.9	76.2	72.1	59.1	59.0	57.4	2.9	
No	15.8	Q	4.8	2.4	5.3	8.8	13.7	23.6	27.7	27.2	14.1	
Don't Know	14.2	7.6	5.8	12.7	14.8	15.0	14.2	17.3	13.4	15.4	12.6	
Floor Insulation												
No Basement/Crawlspace	24.6	37.9	35.0	38.4	46.9	29.7	26.9	20.9	13.2	6.5	10.6	
Basement/Crawlspace	67.7	48.9	48.8	44.7	37.9	54.1	67.9	78.0	85.9	92.8	4.2	
Heated	28.8	25.8	26.7	20.3	19.6	27.2	32.1	28.1	26.3	36.7	9.5	
None or Part Heated	38.9	23.1	22.1	24.4	18.3	27.0	35.8	49.9	59.6	56.1	7.5	
Floor Not Insulated	21.6	7.7	8.7	6.6	6.8	10.3	19.2	28.7	37.8	38.7	12.5	
Floor Insulated	17.3	15.4	13.4	17.8	11.5	16.7	16.6	21.2	21.7	17.4	11.7	
All Parts Insulated	8.2	10.5	9.5	10.1	5.4	9.8	5.8	8.9	9.7	7.1	15.9	
Some Parts Insulated	2.2	Q	Q	Q	Q	2.4	2.1	2.1	4.0	2.8	32.3	
Don't Know	6.9	4.3	3.2	5.7	4.7	4.5	8.7	10.1	8.1	7.5	19.1	
Water Heater												
Yes	24.0	20.5	29.1	25.3	25.4	27.8	23.7	23.8	26.2	19.2	8.1	
No	71.1	75.1	66.5	70.2	68.8	66.9	72.3	71.0	69.7	75.8	3.0	
Don't Know	4.9	4.3	4.4	4.5	5.8	5.3	4.0	5.2	4.1	5.1	19.7	
Hot Water Pipes												
Yes	30.3	41.2	42.7	31.4	37.7	33.4	25.0	25.6	27.1	27.0	6.6	
No	58.9	46.9	45.4	53.3	50.2	54.9	62.6	64.0	65.2	65.0	3.9	
Don't Know	10.8	11.8	12.0	15.3	12.1	11.8	12.3	10.4	7.6	8.0	13.1	
Heating/Cooling Ducts												
Yes	29.5	53.2	47.4	45.1	46.9	34.3	30.2	23.2	14.6	13.3	7.8	
No	58.8	34.6	39.6	39.4	36.9	52.4	59.4	64.7	76.6	78.2	4.9	
Don't Know	11.7	12.2	13.0	15.5	16.2	13.2	10.4	12.2	8.8	8.5	13.2	
Weather Stripping												
Yes	63.2	74.2	71.3	63.9	64.7	63.5	63.3	57.2	58.9	63.2	3.9	
No	32.2	21.0	24.5	30.3	27.3	31.2	33.4	38.2	38.7	32.3	7.7	
Don't Know	4.7	4.8	4.2	5.8	7.9	5.4	3.3	4.6	Q	4.5	20.3	
Caulking												
Yes	70.7	77.6	70.5	73.7	71.7	73.8	72.5	68.3	64.2	68.3	3.1	
No	23.6	17.1	24.2	21.0	21.1	19.9	22.5	25.1	32.0	26.4	9.1	
Don't Know	5.7	5.3	5.2	5.2	7.2	6.3	5.0	6.5	3.8	5.3	19.6	

¹ Does not include all new construction for 1993.

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.29a. Conservation by Type and Ownership of Housing Unit,
Million U.S. Households, 1993**

Conservation-Related Items	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.4	0.8	1.2	2.0	1.4	0.9	2.9	0.9	1.3	1.5	2.1	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.8
Adequacy of Insulation (all households)														
Well Insulated	36.0	27.3	25.0	2.3	2.2	0.4	1.8	5.0	0.7	4.3	1.6	1.5	0.1	8.7
Adequately Insulated	38.4	25.9	21.9	3.9	3.3	0.7	2.6	6.9	0.6	6.3	2.3	1.8	0.5	7.9
Poorly Insulated	22.2	13.7	8.8	4.8	2.5	0.4	2.1	4.3	0.2	4.1	1.7	1.1	0.5	10.3
Demand-Side Management Programs														
Were Any Offered by a Utility														
Yes	34.8	28.0	24.6	3.4	2.1	0.6	1.5	3.1	0.4	2.7	1.6	1.3	0.3	9.7
No	40.0	26.0	21.1	4.9	4.0	0.6	3.4	6.8	0.7	6.2	3.1	2.4	0.7	8.3
Don't Know	21.8	12.8	10.1	2.7	1.9	0.2	1.6	6.3	0.5	5.8	0.8	0.6	0.2	11.1
Program Participation in Past 12 Months														
No Program Offered	40.0	26.0	21.1	4.9	4.0	0.6	3.4	6.8	0.7	6.2	3.1	2.4	0.7	8.3
Don't Know	2.7	1.3	1.0	0.3	0.3	Q	0.3	1.0	Q	0.9	Q	Q	Q	23.8
No	46.4	33.0	27.8	5.2	3.3	0.7	2.7	8.1	0.7	7.4	1.9	1.6	0.4	8.1
Yes (more than one may apply)	7.6	6.5	5.8	0.6	0.4	0.1	0.2	0.4	Q	0.3	0.4	0.3	Q	20.7
Energy Audit	1.4	1.3	1.1	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	35.5
Load-Control Program	2.6	2.2	2.1	0.2	Q	Q	Q	0.1	Q	Q	0.2	Q	Q	40.4
Equipment or Service	1.7	1.3	1.1	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	40.2
Rebate or Incentive	0.5	0.5	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.3
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	1.4	1.3	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.6
Does the Home Have Any of the Following:														
Set-Back/Clock Thermostat														
Yes	10.8	9.0	8.3	0.7	0.6	0.3	0.4	1.0	Q	0.7	0.3	0.2	Q	21.4
No	85.8	57.8	47.5	10.3	7.4	1.2	6.1	15.3	1.3	14.0	5.3	4.2	1.1	6.2
Regular Heating System/Furnace Maintenance														
Yes	49.4	35.7	31.1	4.6	3.7	0.9	2.8	7.7	0.9	6.9	2.3	1.9	0.4	7.7
No	47.2	31.1	24.6	6.5	4.3	0.6	3.7	8.5	0.7	7.8	3.3	2.5	0.8	8.0
Trees Shading the Afternoon Summer Sun														
Yes	44.9	36.8	31.7	5.1	2.6	0.6	2.0	3.1	0.4	2.8	2.4	1.8	0.5	8.7
No	51.7	30.0	24.1	5.9	5.4	0.9	4.5	13.1	1.2	11.9	3.2	2.6	0.7	7.3

See footnotes at end of table.

Table 3.29b. Conservation by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993

Conservation-Related Items	Type and Ownership of Housing Unit													RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home				
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent		
					Total	Own	Rent	Total	Own	Rent					
RSE Column Factor:	0.4	0.4	0.4	0.8	1.1	2.0	1.3	0.9	2.6	0.9	1.1	1.3	1.9		
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Adequacy of Insulation (all households)															
Well Insulated	37.3	40.8	44.8	20.7	27.4	26.3	27.6	30.7	45.5	29.1	28.6	33.4	10.7	7.3	
Adequately Insulated	39.7	38.7	39.3	35.5	41.5	48.6	39.9	42.6	38.9	43.0	41.5	40.7	44.2	5.4	
Poorly Insulated	23.0	20.5	15.9	43.8	31.1	25.1	32.5	26.7	15.7	27.9	29.9	25.9	45.1	8.0	
Demand-Side Management Programs															
Were Any Offered by a Utility															
Yes	36.0	41.8	44.0	30.7	26.7	42.0	23.3	19.1	24.3	18.5	29.5	30.0	27.6	8.0	
No	41.3	39.0	37.9	44.6	49.9	42.2	51.6	41.9	42.0	41.9	56.0	55.5	57.8	5.6	
Don't Know	22.6	19.2	18.1	24.7	23.4	15.7	25.1	39.0	33.7	39.6	14.5	14.5	14.6	9.4	
Program Participation in Past 12 Months															
No Program Offered	41.3	39.0	37.9	44.6	49.9	42.2	51.6	41.9	42.0	41.9	56.0	55.5	57.8	5.6	
Don't Know	2.8	2.0	1.9	2.6	4.0	Q	4.1	5.9	Q	6.1	Q	Q	Q	22.0	
No	48.0	49.4	49.8	47.0	41.8	45.2	41.0	49.8	46.8	50.2	34.9	35.2	33.8	5.7	
Yes (more than one may apply)	7.9	9.7	10.4	5.9	4.4	9.0	3.3	2.3	Q	1.9	7.8	7.7	Q	19.5	
Energy Audit	1.5	1.9	1.9	1.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	30.7	
Load-Control Program	2.7	3.3	3.7	1.5	Q	Q	Q	0.9	Q	Q	3.0	Q	Q	37.6	
Equipment or Service	1.7	2.0	2.0	2.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	35.4	
Rebate or Incentive	0.5	0.7	0.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.4	
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF	
Time-of-Use Rate	1.6	2.1	2.3	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.7	
Does the Home Have Any of the Following:															
Set-Back/Clock Thermostat															
Yes	11.2	13.4	14.8	6.6	7.9	17.7	5.6	5.9	Q	4.9	4.9	4.9	Q	20.8	
No	88.8	86.6	85.2	93.4	92.1	82.3	94.4	94.1	84.8	95.1	95.1	95.1	95.1	1.8	
Regular Heating System/Furnace Maintenance															
Yes	51.1	53.5	55.8	41.5	46.1	62.1	42.5	47.5	55.1	46.7	41.2	43.6	32.1	5.5	
No	48.9	46.5	44.2	58.5	53.9	37.9	57.5	52.5	44.9	53.3	58.8	56.4	67.9	5.0	
Trees Shading the Afternoon Summer Sun															
Yes	46.5	55.1	56.8	46.4	32.3	39.3	30.7	19.4	25.0	18.8	42.5	42.0	44.3	6.9	
No	53.5	44.9	43.2	53.6	67.7	60.7	69.3	80.6	75.0	81.2	57.5	58.0	55.7	4.1	

See footnotes at end of table.

Table 3.29a. Conservation by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Conservation-Related Items	Type and Ownership of Housing Unit													RSE Row Factors
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own	Rent	
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.4	0.8	1.2	2.0	1.4	0.9	2.9	0.9	1.3	1.5	2.1	
Doors and Windows														
Glass in Sliding Doors to the Outside														
Single Pane	12.2	8.3	7.1	1.2	0.5	Q	0.4	3.0	0.6	2.4	0.4	0.3	Q	16.4
Double Pane	18.3	14.2	13.0	1.2	0.8	0.2	0.6	2.9	0.5	2.4	0.4	0.3	Q	16.1
Untreated	17.5	13.5	12.3	1.2	0.8	0.2	0.6	2.9	0.5	2.4	0.4	0.3	Q	16.2
Low-E Coating	0.8	0.7	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	40.8
Triple Pane	0.4	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	66.1
No Doors	65.8	44.1	35.4	8.7	6.6	1.2	5.4	10.3	0.4	9.9	4.8	3.7	1.1	6.1
Glass in Most Windows														
Single Pane	61.5	41.6	32.9	8.7	5.4	0.9	4.5	10.2	0.8	9.4	4.3	3.2	1.1	6.6
Double Pane	34.2	24.5	22.2	2.3	2.6	0.6	2.0	5.8	0.7	5.1	1.2	1.2	Q	8.9
Untreated	32.5	22.9	20.7	2.3	2.5	0.6	2.0	5.8	0.7	5.1	1.2	1.2	Q	8.9
Low-E Coating	1.7	1.6	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.9
Triple Pane	0.9	0.7	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	36.0
Coverings on Windows														
Storm Windows	36.5	27.6	23.9	3.7	3.0	0.7	2.3	3.4	Q	3.4	2.4	2.1	0.3	9.4
Plastic Coverings	3.7	2.3	1.8	0.6	0.3	Q	0.3	0.5	Q	0.4	0.6	0.4	0.2	21.7
Neither	56.4	36.8	30.1	6.7	4.7	0.7	4.0	12.2	1.4	10.8	2.6	2.0	0.6	7.2
Frames in Most Windows														
Metal	53.3	31.1	26.1	5.0	3.8	0.6	3.2	13.2	1.2	12.0	5.2	4.0	1.1	7.7
Nonmetal	43.3	35.7	29.6	6.1	4.2	0.9	3.3	2.9	0.3	2.6	0.4	0.4	Q	9.1
Number of Original Windows Replaced														
All	10.7	7.3	6.2	1.0	1.1	0.4	0.7	2.2	0.2	2.0	0.1	0.1	Q	14.0
Some	15.5	13.0	11.3	1.7	1.0	0.3	0.7	0.6	0.2	0.5	0.9	0.7	0.2	12.8
None	70.3	46.6	38.2	8.3	5.9	0.8	5.1	13.4	1.2	12.2	4.5	3.6	1.0	6.4
Type of Replacement Windows														
Single Pane	10.3	7.7	6.0	1.7	1.0	0.2	0.7	0.9	Q	0.8	0.7	0.5	0.2	13.5
Double Pane	15.2	11.9	10.9	1.0	1.1	0.4	0.7	1.9	0.2	1.6	0.3	0.3	Q	13.3
Untreated	13.7	10.5	9.5	1.0	1.0	0.4	0.7	1.9	0.2	1.6	0.3	0.3	Q	13.4
Low-E Coating	1.5	1.4	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	39.6
Triple Pane	0.7	0.7	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.7
None Replaced	70.4	46.6	38.2	8.3	5.9	0.8	5.1	13.4	1.2	12.2	4.5	3.6	1.0	6.4
Age of Replacement Windows														
Less than 2 Years	7.2	5.5	4.5	0.9	0.6	0.1	0.5	0.6	Q	0.6	0.5	0.3	Q	17.0
2-4 Years	7.1	5.1	4.5	0.6	0.7	0.3	0.4	1.0	Q	0.8	0.4	0.3	Q	17.2
5-9 Years	6.5	5.1	4.6	0.5	0.4	0.1	0.2	0.8	Q	0.7	0.1	Q	Q	17.1
10-19 Years	4.2	3.5	3.1	0.3	0.4	Q	0.2	0.3	Q	0.3	Q	Q	Q	22.0
20 Years or More	1.2	1.1	0.8	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	41.9
None Replaced	70.4	46.6	38.2	8.3	5.9	0.8	5.1	13.4	1.2	12.2	4.5	3.6	1.0	6.4

See footnotes at end of table.

Table 3.29b. Conservation by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.4	0.8	1.1	2.0	1.3	0.9	2.6	0.9	1.1	1.3	1.9	
Doors and Windows														
Glass in Sliding Doors to the Outside														
Single Pane	12.6	12.4	12.7	10.9	6.1	Q	6.6	18.7	40.3	16.4	7.0	7.4	Q	14.6
Double Pane	18.9	21.2	23.3	10.7	10.6	14.2	9.8	17.9	32.8	16.3	6.3	7.6	Q	14.4
Untreated	18.1	20.2	22.1	10.7	10.2	12.1	9.8	17.6	31.3	16.1	6.3	7.6	Q	14.8
Low-E Coating	0.8	1.0	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.4
Triple Pane	0.4	0.4	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.6
No Doors	68.1	65.9	63.5	78.4	82.8	79.0	83.6	63.2	25.3	67.3	86.7	85.0	92.9	3.7
Glass in Most Windows														
Single Pane	63.6	62.2	58.9	78.7	67.4	57.8	69.6	63.1	54.3	64.0	76.8	71.6	96.1	3.2
Double Pane	35.4	36.7	39.8	20.9	32.4	41.7	30.3	35.9	44.2	35.0	22.2	27.1	Q	7.3
Untreated	33.6	34.3	37.0	20.8	31.5	37.9	30.0	35.7	42.7	35.0	22.0	26.8	Q	7.6
Low-E Coating	1.7	2.4	2.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	28.7
Triple Pane	0.9	1.1	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	29.7
Coverings on Windows														
Storm Windows	37.8	41.4	42.8	33.9	37.3	48.6	34.7	21.2	Q	22.9	43.6	47.4	29.7	7.6
Plastic Coverings	3.8	3.5	3.1	5.3	3.8	Q	4.0	2.9	Q	3.1	10.0	8.1	17.1	20.7
Neither	58.3	55.1	54.0	60.7	58.9	48.7	61.3	75.3	91.9	73.6	46.4	44.6	53.2	4.3
Frames in Most Windows														
Metal	55.1	46.6	46.9	45.0	47.3	37.2	49.6	81.2	77.8	81.6	92.7	91.8	96.3	3.4
Nonmetal	44.8	53.4	53.1	55.0	52.7	62.8	50.4	18.2	20.7	17.9	7.3	8.2	Q	7.7
Number of Original Windows Replaced														
All	11.0	10.9	11.2	9.4	13.2	23.7	10.8	13.3	11.9	13.5	2.6	3.1	Q	13.4
Some	16.1	19.4	20.3	15.0	13.1	22.3	11.0	3.9	10.3	3.2	16.0	15.3	18.4	11.9
None	72.8	69.7	68.5	75.5	73.7	54.1	78.2	82.2	76.3	82.8	81.5	81.6	81.0	2.7
Type of Replacement Windows														
Single Pane	10.6	11.5	10.7	15.4	12.2	16.7	11.1	5.7	Q	5.5	12.8	11.8	16.8	12.3
Double Pane	15.8	17.9	19.6	9.0	14.0	28.7	10.7	11.6	15.3	11.2	5.7	6.6	Q	12.8
Untreated	14.2	15.7	17.1	8.7	12.9	24.3	10.3	11.5	15.3	11.1	5.5	6.3	Q	12.9
Low-E Coating	1.6	2.2	2.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.4
Triple Pane	0.7	1.0	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	28.9
None Replaced	72.9	69.7	68.5	75.5	73.7	54.1	78.2	82.8	77.8	83.3	81.5	81.6	81.0	2.7
Age of Replacement Windows														
Less than 2 Years	7.5	8.2	8.2	8.5	7.6	8.9	7.3	3.9	Q	3.9	8.4	7.9	Q	16.2
2-4 Years	7.3	7.6	8.0	5.8	8.3	17.4	6.3	5.9	Q	5.3	7.0	7.5	Q	16.0
5-9 Years	6.7	7.7	8.2	5.0	4.8	10.1	3.6	5.1	Q	4.9	2.5	Q	Q	16.6
10-19 Years	4.3	5.2	5.6	2.9	4.6	Q	3.8	1.9	Q	2.0	Q	Q	Q	21.0
20 Years or More	1.3	1.6	1.5	2.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	36.4
None Replaced	72.9	69.7	68.5	75.5	73.7	54.1	78.2	82.8	77.8	83.3	81.5	81.6	81.0	2.7

See footnotes at end of table.

Table 3.29a. Conservation by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Conservation-Related Items	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.4	0.8	1.2	2.0	1.4	0.9	2.9	0.9	1.3	1.5	2.1	
Conservation Measures (Single-Family Units and Mobile Homes Only)	72.4	66.8	55.8	11.0	--	--	--	--	--	--	5.6	4.4	1.2	5.3
Types of Insulation in/around Home														
Roof/Ceiling														
Yes	58.6	54.4	48.5	5.9	--	--	--	--	--	--	4.2	3.5	0.7	6.6
No	6.4	6.0	4.2	1.8	--	--	--	--	--	--	0.4	0.3	Q	16.7
Don't Know	7.4	6.5	3.1	3.3	--	--	--	--	--	--	0.9	0.5	0.4	13.8
Outside Walls														
Yes	50.7	46.1	41.7	4.3	--	--	--	--	--	--	4.6	3.9	0.7	7.3
No	11.4	11.2	8.5	2.7	--	--	--	--	--	--	0.3	0.2	Q	15.5
Don't Know	10.3	9.6	5.6	4.0	--	--	--	--	--	--	0.7	0.4	0.3	14.4
Floor Insulation														
No Basement/Crawlspace	17.8	17.8	13.8	4.0	--	--	--	--	--	--	--	--	--	14.1
Basement/Crawlspace	49.0	49.0	41.9	7.1	--	--	--	--	--	--	--	--	--	5.8
Heated	20.8	20.8	18.8	2.0	--	--	--	--	--	--	--	--	--	12.7
None or Part Heated	28.2	28.2	23.1	5.1	--	--	--	--	--	--	--	--	--	8.8
Floor Not Insulated	15.7	15.7	12.9	2.7	--	--	--	--	--	--	--	--	--	13.0
Floor Insulated	12.5	12.5	10.1	2.4	--	--	--	--	--	--	--	--	--	14.4
All Parts Insulated	5.9	5.9	5.3	0.6	--	--	--	--	--	--	--	--	--	19.2
Some Parts Insulated	1.6	1.6	1.5	0.2	--	--	--	--	--	--	--	--	--	41.1
Don't Know	5.0	5.0	3.4	1.6	--	--	--	--	--	--	--	--	--	21.2
Water Heater														
Yes	17.4	15.7	13.7	2.0	--	--	--	--	--	--	1.7	1.5	0.2	10.7
No	51.5	47.9	40.4	7.5	--	--	--	--	--	--	3.5	2.7	0.8	6.9
Don't Know	3.5	3.2	1.6	1.6	--	--	--	--	--	--	0.3	0.2	0.2	19.4
Hot Water Pipes														
Yes	21.9	18.8	17.0	1.9	--	--	--	--	--	--	3.1	2.7	0.4	9.5
No	42.6	40.7	34.3	6.4	--	--	--	--	--	--	1.9	1.4	0.5	7.7
Don't Know	7.8	7.3	4.5	2.7	--	--	--	--	--	--	0.5	0.3	0.3	13.8
Heating/Cooling Ducts														
Yes	21.4	18.9	17.1	1.8	--	--	--	--	--	--	2.5	2.1	0.3	12.3
No	42.6	40.4	33.8	6.6	--	--	--	--	--	--	2.2	1.6	0.5	7.6
Don't Know	8.4	7.5	4.8	2.7	--	--	--	--	--	--	0.9	0.6	0.3	14.6
Weather Stripping														
Yes	45.7	42.5	37.6	4.9	--	--	--	--	--	--	3.2	2.6	0.6	7.2
No	23.3	21.3	16.5	4.8	--	--	--	--	--	--	2.0	1.5	0.4	10.0
Don't Know	3.4	3.0	1.7	1.4	--	--	--	--	--	--	0.4	0.2	0.2	20.9
Caulking														
Yes	51.2	47.9	42.5	5.4	--	--	--	--	--	--	3.3	2.8	0.5	6.9
No	17.1	15.4	11.2	4.2	--	--	--	--	--	--	1.7	1.3	0.5	11.3
Don't Know	4.1	3.6	2.1	1.4	--	--	--	--	--	--	0.5	0.3	0.2	19.3

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.29b. Conservation by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family						Multifamily			Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.4	0.4	0.4	0.8	1.1	2.0	1.3	0.9	2.6	0.9	1.1	1.3	1.9	
Conservation Measures (Single-Family Units and Mobile Homes Only)	100.0	100.0	100.0	100.0	--	--	--	--	--	--	100.0	100.0	100.0	0.0
Types of Insulation in/around Home														
Roof/Ceiling														
Yes	81.0	81.4	86.9	53.6	--	--	--	--	--	--	75.6	80.5	57.5	4.2
No	8.8	8.9	7.5	16.1	--	--	--	--	--	--	7.4	7.4	Q	15.4
Don't Know	10.2	9.7	5.6	30.2	--	--	--	--	--	--	17.0	12.1	35.1	12.6
Outside Walls														
Yes	70.0	69.0	74.8	39.3	--	--	--	--	--	--	82.5	87.6	63.5	3.8
No	15.8	16.7	15.2	24.5	--	--	--	--	--	--	4.9	4.3	Q	14.3
Don't Know	14.2	14.3	10.0	36.2	--	--	--	--	--	--	12.6	8.1	29.4	13.4
Floor Insulation														
No Basement/Crawlspace	24.6	26.6	24.8	35.8	--	--	--	--	--	--	--	--	--	10.3
Basement/Crawlspace	67.7	73.4	75.2	64.2	--	--	--	--	--	--	--	--	--	4.0
Heated	28.8	31.2	33.8	18.1	--	--	--	--	--	--	--	--	--	10.8
None or Part Heated	38.9	42.2	41.4	46.1	--	--	--	--	--	--	--	--	--	6.8
Floor Not Insulated	21.6	23.4	23.2	24.6	--	--	--	--	--	--	--	--	--	10.8
Floor Insulated	17.3	18.7	18.2	21.5	--	--	--	--	--	--	--	--	--	12.0
All Parts Insulated	8.2	8.8	9.5	5.6	--	--	--	--	--	--	--	--	--	16.4
Some Parts Insulated	2.2	2.4	2.6	1.4	--	--	--	--	--	--	--	--	--	35.9
Don't Know	6.9	7.5	6.1	14.6	--	--	--	--	--	--	--	--	--	18.0
Water Heater														
Yes	24.0	23.5	24.6	17.7	--	--	--	--	--	--	30.9	34.3	18.3	9.0
No	71.1	71.7	72.4	68.2	--	--	--	--	--	--	63.3	61.9	68.6	3.7
Don't Know	4.9	4.8	2.9	14.1	--	--	--	--	--	--	5.7	3.8	13.1	18.8
Hot Water Pipes														
Yes	30.3	28.2	30.4	16.8	--	--	--	--	--	--	55.6	61.8	32.7	7.1
No	58.9	60.9	61.5	58.3	--	--	--	--	--	--	34.6	32.3	43.3	5.3
Don't Know	10.8	10.9	8.1	24.9	--	--	--	--	--	--	9.7	5.9	24.0	12.3
Heating/Cooling Ducts														
Yes	29.5	28.3	30.7	16.4	--	--	--	--	--	--	44.1	48.9	26.5	9.7
No	58.8	60.5	60.7	59.4	--	--	--	--	--	--	38.9	36.9	46.8	6.1
Don't Know	11.7	11.2	8.6	24.2	--	--	--	--	--	--	16.9	14.3	26.7	12.4
Weather Stripping														
Yes	63.2	63.6	67.4	44.2	--	--	--	--	--	--	57.8	60.1	49.4	4.6
No	32.2	31.9	29.6	43.5	--	--	--	--	--	--	35.4	34.8	37.8	7.7
Don't Know	4.7	4.5	3.0	12.3	--	--	--	--	--	--	6.7	5.1	12.8	19.7
Caulking														
Yes	70.7	71.7	76.2	48.9	--	--	--	--	--	--	59.5	64.4	41.3	4.4
No	23.6	23.0	20.0	38.0	--	--	--	--	--	--	30.8	28.7	38.8	9.2
Don't Know	5.7	5.3	3.8	13.1	--	--	--	--	--	--	9.7	6.9	19.9	17.5

-- = 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

**Table 3.30a. Conservation by Family Income,
Million U.S. Households, 1993**

Conservation-Related Items	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.2	1.3	1.2	1.0	1.0	1.0	0.9	1.1	1.0	0.8	
Total	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.4
Adequacy of Insulation (all households)												
Well Insulated	36.0	1.2	3.8	3.9	6.1	5.3	7.0	8.8	4.7	6.4	10.2	5.5
Adequately Insulated	38.4	1.4	3.7	3.8	7.5	5.8	7.6	8.6	4.6	6.6	11.0	5.5
Poorly Insulated	22.2	1.5	3.1	3.4	4.8	3.0	2.9	3.6	5.1	6.3	9.5	6.7
Demand-Side Management Programs												
Were Any Offered by a Utility												
Yes	34.8	0.8	2.1	3.1	5.7	5.6	7.2	10.4	3.1	4.4	7.7	6.4
No	40.0	2.1	5.7	5.2	8.3	5.5	6.4	6.8	7.6	10.1	15.1	5.3
Don't Know	21.8	1.1	2.8	2.9	4.4	2.9	3.8	3.8	3.7	4.9	7.9	7.7
Program Participation in Past 12 Months												
No Program Offered	40.0	2.1	5.7	5.2	8.3	5.5	6.4	6.8	7.6	10.1	15.1	5.3
Don't Know	2.7	Q	0.6	0.2	0.5	0.3	0.4	0.6	0.4	0.7	1.1	19.8
No	46.4	1.8	3.7	5.0	8.5	7.2	9.1	11.1	5.6	7.4	12.6	5.2
Yes (more than one may apply)	7.6	0.2	0.6	0.7	1.1	1.0	1.5	2.5	0.7	1.1	1.9	15.2
Energy Audit	1.4	Q	Q	0.2	0.1	0.2	0.3	0.5	0.1	0.2	0.3	27.6
Load-Control Program	2.6	Q	Q	0.2	0.4	0.3	0.6	0.9	Q	0.3	0.4	27.8
Equipment or Service	1.7	Q	Q	0.2	0.2	0.3	0.2	0.6	0.2	0.3	0.5	28.5
Rebate or Incentive	0.5	Q	Q	Q	Q	Q	Q	0.3	Q	Q	Q	37.8
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	Q	Q	Q	0.3	0.3	0.3	0.4	Q	0.1	0.2	32.1
Does the Home Have Any of the Following:												
Set-Back/Clock Thermostat												
Yes	10.8	0.3	0.6	0.7	1.3	1.3	2.3	4.4	0.8	1.1	1.9	14.2
No	85.8	3.8	10.0	10.5	17.0	12.8	15.1	16.6	13.6	18.2	28.8	3.5
Regular Heating System/ Furnace Maintenance												
Yes	49.4	1.6	4.0	4.8	9.2	7.4	9.8	12.7	5.3	7.5	12.8	5.3
No	47.2	2.5	6.6	6.3	9.2	6.7	7.7	8.3	9.1	11.9	17.9	4.6
Trees Shading the Afternoon Summer Sun												
Yes	44.9	1.4	3.7	4.7	8.1	6.9	8.8	11.4	5.0	7.1	11.8	5.1
No	51.7	2.7	6.9	6.4	10.3	7.1	8.7	9.6	9.4	12.3	18.9	4.7

See footnotes at end of table.

Table 3.30b. Conservation by Family Income, Percent of U.S. Households, 1993

Conservation-Related Items	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	2.0	1.3	1.2	1.0	1.1	0.9	0.8	1.1	0.9	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Adequacy of Insulation (all households)												
Well Insulated	37.3	28.4	35.6	35.5	33.1	37.7	39.9	42.1	32.8	33.2	33.2	4.7
Adequately Insulated	39.7	34.3	35.1	34.4	40.7	41.3	43.6	40.9	31.7	34.1	36.0	4.5
Poorly Insulated	23.0	37.3	29.3	30.1	26.2	21.0	16.5	17.0	35.5	32.7	30.8	5.6
Demand-Side Management Programs												
Were Any Offered by a Utility												
Yes	36.0	20.5	19.5	27.6	31.0	39.7	41.4	49.4	21.3	22.6	25.3	5.3
No	41.3	51.6	53.7	46.4	45.0	39.5	36.8	32.4	53.1	52.1	49.1	4.4
Don't Know	22.6	27.9	26.8	26.1	24.1	20.9	21.8	18.2	25.6	25.4	25.6	6.9
Program Participation in Past 12 Months												
No Program Offered	41.3	51.6	53.7	46.4	45.0	39.5	36.8	32.4	53.1	52.1	49.1	4.4
Don't Know	2.8	Q	5.9	1.9	2.7	2.1	2.3	2.8	2.8	3.7	3.5	19.4
No	48.0	43.2	34.6	45.2	46.5	51.4	52.0	52.7	39.0	38.4	41.2	4.0
Yes (more than one may apply)	7.9	4.0	5.7	6.6	5.8	7.0	8.9	12.0	5.0	5.8	6.2	14.4
Energy Audit	1.5	Q	Q	1.4	0.8	1.5	1.8	2.5	0.9	0.9	1.0	26.9
Load-Control Program	2.7	Q	Q	1.6	2.1	2.5	3.6	4.1	Q	1.4	1.4	27.1
Equipment or Service	1.7	Q	Q	1.8	1.3	1.9	1.2	2.7	1.2	1.4	1.6	28.0
Rebate or Incentive	0.5	Q	Q	Q	Q	Q	Q	1.4	Q	Q	Q	35.1
Encouraged to Switch Fuels	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Time-of-Use Rate	1.6	Q	Q	Q	1.9	1.9	1.8	2.1	Q	0.7	0.8	31.4
Does the Home Have Any of the Following:												
Set-Back/Clock Thermostat												
Yes	11.2	6.8	5.5	5.9	7.3	9.2	13.3	20.9	5.8	5.8	6.1	13.4
No	88.8	93.2	94.5	94.1	92.7	90.8	86.7	79.1	94.2	94.2	93.9	1.2
Regular Heating System/Furnace Maintenance												
Yes	51.1	38.6	38.1	43.3	50.0	52.5	56.1	60.3	37.1	38.6	41.7	4.0
No	48.9	61.4	61.9	56.7	50.0	47.5	43.9	39.7	62.9	61.4	58.3	3.4
Trees Shading the Afternoon Summer Sun												
Yes	46.5	34.5	34.5	42.2	44.2	49.2	50.1	54.2	35.0	36.7	38.4	4.2
No	53.5	65.5	65.5	57.8	55.8	50.8	49.9	45.8	65.0	63.3	61.6	3.1

See footnotes at end of table.

**Table 3.30a. Conservation by Family Income,
Million U.S. Households, 1993 (Continued)**

Conservation-Related Items	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.2	1.3	1.2	1.0	1.0	1.0	0.9	1.1	1.0	0.8	
Doors and Windows												
Glass in Sliding Doors to the Outside												
Single Pane	12.2	0.3	0.9	1.2	2.2	2.0	2.4	3.3	1.3	1.8	2.9	10.7
Double Pane	18.3	0.4	0.8	1.0	2.7	2.6	4.2	6.6	1.1	1.6	2.9	11.2
Untreated	17.5	0.4	0.8	1.0	2.6	2.6	4.0	6.1	1.1	1.6	2.9	11.4
Low-E Coating	0.8	Q	Q	Q	Q	Q	0.2	0.5	Q	Q	Q	25.0
Triple Pane	0.4	Q	Q	Q	Q	Q	0.2	0.1	Q	Q	Q	43.5
No Doors	65.8	3.3	8.9	9.0	13.5	9.4	10.7	11.0	12.0	15.9	24.9	4.1
Glass in Most Windows												
Single Pane	61.5	3.0	7.8	8.2	12.4	9.1	9.8	11.1	10.8	14.2	22.2	4.0
Double Pane	34.2	1.0	2.7	2.8	5.7	4.9	7.5	9.6	3.5	5.0	8.2	5.9
Untreated	32.5	1.0	2.7	2.7	5.5	4.6	7.0	8.9	3.5	5.0	8.1	6.1
Low-E Coating	1.7	Q	Q	Q	0.2	0.2	0.5	0.7	Q	Q	0.1	25.8
Triple Pane	0.9	Q	Q	Q	0.2	0.1	0.2	0.2	Q	Q	0.2	32.9
Coverings on Windows												
Storm Windows	36.5	1.3	3.7	4.0	7.4	5.7	6.8	7.6	4.6	6.5	10.9	5.5
Plastic Coverings	3.7	0.4	0.4	0.6	1.0	0.5	0.4	0.4	0.9	1.2	1.6	14.8
Neither	56.4	2.4	6.5	6.5	9.9	7.8	10.3	13.0	8.9	11.6	18.1	4.7
Frames in Most Windows												
Metal	53.3	2.4	6.2	6.2	10.3	7.8	9.5	10.8	8.6	11.6	17.6	4.9
Nonmetal	43.3	1.6	4.4	4.9	8.0	6.2	8.0	10.2	5.8	7.8	13.0	5.4
Number of Original Windows Replaced												
All	10.7	0.4	1.3	1.2	2.2	1.6	2.2	1.9	1.7	2.3	3.5	10.4
Some	15.5	0.5	1.3	1.6	2.6	2.2	3.0	4.2	2.1	2.8	4.4	9.4
None	70.3	3.1	8.0	8.3	13.5	10.3	12.3	14.9	10.6	14.3	22.6	3.7
Type of Replacement Windows												
Single Pane	10.3	0.6	1.5	1.5	2.0	1.3	1.5	2.0	2.1	2.8	4.1	9.9
Double Pane	15.2	0.4	1.1	1.3	2.7	2.3	3.6	3.8	1.6	2.1	3.7	9.9
Untreated	13.7	0.4	1.1	1.2	2.5	2.1	3.2	3.2	1.6	2.1	3.6	10.1
Low-E Coating	1.5	Q	Q	Q	0.2	0.2	0.4	0.6	Q	Q	0.1	29.4
Triple Pane	0.7	Q	Q	Q	Q	Q	Q	0.2	Q	Q	Q	28.4
None Replaced	70.4	3.1	8.0	8.3	13.6	10.3	12.3	14.9	10.6	14.3	22.7	3.7
Age of Replacement Windows												
Less than 2 Years	7.2	0.4	0.8	0.7	1.1	1.1	1.4	1.6	1.3	1.7	2.3	12.6
2-4 Years	7.1	0.2	0.7	0.5	1.5	1.1	1.5	1.6	0.9	1.3	2.1	12.7
5-9 Years	6.5	0.2	0.5	0.8	1.1	0.7	1.4	1.7	0.8	1.2	1.9	13.0
10-19 Years	4.2	0.1	0.4	0.6	0.8	0.6	0.7	0.9	0.4	0.7	1.2	17.7
20 Years or More	1.2	Q	Q	0.2	0.3	0.2	Q	0.3	0.2	0.3	0.4	29.9
None Replaced	70.4	3.1	8.0	8.3	13.6	10.3	12.3	14.9	10.6	14.3	22.7	3.7

See footnotes at end of table.

Table 3.30b. Conservation by Family Income, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.5	2.0	1.3	1.2	1.0	1.1	0.9	0.8	1.1	0.9	0.8	
Doors and Windows												
Glass in Sliding Doors to the Outside												
Single Pane	12.6	8.0	8.2	10.8	11.8	14.0	13.5	15.9	9.0	9.5	9.4	10.4
Double Pane	18.9	9.6	7.8	8.6	14.5	18.7	24.2	31.3	7.7	8.3	9.4	10.6
Untreated	18.1	9.6	7.8	8.6	14.1	18.5	23.1	29.0	7.7	8.3	9.3	10.7
Low-E Coating	0.8	Q	Q	Q	Q	Q	1.1	2.2	Q	Q	Q	24.3
Triple Pane	0.4	Q	Q	Q	Q	Q	1.0	0.5	Q	Q	Q	42.5
No Doors	68.1	82.4	84.0	80.6	73.5	66.9	61.3	52.4	83.4	82.2	81.1	2.4
Glass in Most Windows												
Single Pane	63.6	74.8	74.0	73.6	67.6	64.4	56.2	53.1	74.9	73.2	72.3	2.4
Double Pane	35.4	23.9	25.7	25.3	31.0	34.6	42.8	45.9	24.4	26.0	26.9	5.1
Untreated	33.6	23.8	25.4	24.7	29.9	33.1	40.1	42.6	24.2	25.8	26.4	5.3
Low-E Coating	1.7	Q	Q	Q	1.1	1.5	2.7	3.3	Q	Q	Q	0.5
Triple Pane	0.9	Q	Q	Q	1.2	1.0	0.9	1.0	Q	Q	0.7	32.3
Coverings on Windows												
Storm Windows	37.8	31.6	34.8	36.1	40.5	40.9	38.7	36.1	31.7	33.8	35.6	4.9
Plastic Coverings	3.8	8.9	4.2	5.1	5.3	3.5	2.3	2.1	6.4	6.2	5.3	14.6
Neither	58.3	58.9	61.0	58.5	54.0	55.6	59.1	61.9	61.8	59.9	58.9	3.2
Frames in Most Windows												
Metal	55.1	59.5	58.3	56.0	56.1	55.8	54.2	51.5	59.6	59.7	57.3	3.4
Nonmetal	44.8	39.9	41.7	43.7	43.6	44.2	45.8	48.5	40.2	40.2	42.5	4.5
Number of Original Windows Replaced												
All	11.0	10.4	12.0	10.4	12.0	11.1	12.5	8.9	11.7	11.6	11.5	9.8
Some	16.1	13.0	12.7	14.8	14.3	15.7	17.0	20.1	14.6	14.4	14.5	8.7
None	72.8	76.0	75.2	74.5	73.5	73.2	70.5	71.0	73.5	73.9	73.8	2.1
Type of Replacement Windows												
Single Pane	10.6	14.1	13.8	13.1	10.8	9.3	8.3	9.7	14.8	14.6	13.4	9.2
Double Pane	15.8	9.3	10.8	11.5	14.9	16.4	20.5	18.2	11.1	11.0	12.1	9.3
Untreated	14.2	9.2	10.6	11.1	13.7	14.7	18.2	15.3	11.0	10.8	11.7	9.6
Low-E Coating	1.6	Q	Q	Q	1.2	1.6	2.3	2.9	Q	Q	Q	0.4
Triple Pane	0.7	Q	Q	Q	Q	Q	Q	1.0	Q	Q	Q	26.6
None Replaced	72.9	76.6	75.2	74.8	73.7	73.2	70.5	71.0	73.7	74.0	74.0	2.1
Age of Replacement Windows												
Less than 2 Years	7.5	8.9	7.9	6.3	6.2	8.1	8.2	7.5	9.3	8.6	7.6	12.1
2-4 Years	7.3	4.5	6.9	4.7	8.3	7.7	8.4	7.7	6.6	6.5	6.7	12.4
5-9 Years	6.7	4.8	5.1	7.0	5.9	5.3	8.2	8.2	5.7	6.0	6.3	12.7
10-19 Years	4.3	3.3	4.0	5.1	4.5	4.3	4.0	4.4	3.1	3.4	3.9	17.4
20 Years or More	1.3	Q	Q	2.2	1.4	1.3	Q	1.2	1.5	1.4	1.4	29.2
None Replaced	72.9	76.6	75.2	74.8	73.7	73.2	70.5	71.0	73.7	74.0	74.0	2.1

See footnotes at end of table.

**Table 3.30a. Conservation by Family Income,
Million U.S. Households, 1993 (Continued)**

Conservation-Related Items	Total	1993 Family Income							Below Poverty Line		Eli- gible for Fed- eral Assist- ance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per- cent	125 Per- cent		
RSE Column Factor:	0.4	2.2	1.3	1.2	1.0	1.0	1.0	0.9	1.1	1.0	0.8	
Conservation Measures (Single-Family Units and Mobile Homes Only)												
	72.4	2.0	6.2	7.1	13.3	11.0	14.0	18.7	8.3	11.8	19.2	4.1
Types of Insulation in/around Home												
Roof/Ceiling												
Yes	58.6	1.2	4.1	5.1	10.0	9.1	12.4	16.6	5.2	7.8	13.2	5.0
No	6.4	0.4	1.2	0.9	1.5	0.9	0.6	1.0	1.6	2.0	2.9	11.9
Don't Know	7.4	0.4	0.9	1.1	1.9	1.0	0.9	1.1	1.5	2.0	3.1	11.4
Outside Walls												
Yes	50.7	1.1	3.4	4.3	9.1	7.9	10.7	14.2	4.4	6.7	11.3	5.6
No	11.4	0.5	1.6	1.6	2.1	1.6	1.6	2.5	2.1	2.7	4.3	10.0
Don't Know	10.3	0.4	1.2	1.3	2.1	1.5	1.7	2.0	1.9	2.4	3.6	9.6
Floor Insulation												
No Basement/Crawlspace	17.8	0.5	1.4	1.4	2.8	2.7	3.7	5.1	2.2	2.8	4.3	10.4
Basement/Crawlspace	49.0	1.2	3.9	4.8	8.9	7.2	9.5	13.3	5.0	7.4	12.6	4.9
Heated	20.8	0.2	0.9	1.6	3.2	3.2	4.5	7.0	1.1	1.8	3.7	10.0
None or Part Heated	28.2	1.0	3.0	3.2	5.7	4.0	5.0	6.3	3.9	5.5	8.9	6.5
Floor Not Insulated	15.7	0.6	1.8	2.0	3.3	2.1	2.4	3.4	2.4	3.2	5.2	9.0
Floor Insulated	12.5	0.4	1.2	1.2	2.4	1.9	2.5	2.9	1.6	2.3	3.7	10.4
All Parts Insulated	5.9	0.1	0.4	0.4	1.1	0.9	1.4	1.5	0.5	0.8	1.5	14.8
Some Parts Insulated	1.6	Q	0.1	Q	0.3	0.3	0.4	0.4	0.1	0.2	0.4	27.6
Don't Know	5.0	0.2	0.7	0.6	1.0	0.7	0.7	1.0	0.9	1.3	1.8	14.3
Water Heater												
Yes	17.4	0.4	1.2	1.5	3.5	2.6	3.5	4.8	1.8	2.6	4.0	8.7
No	51.5	1.4	4.3	5.3	9.1	8.1	10.0	13.3	5.7	8.1	13.6	5.0
Don't Know	3.5	0.2	0.7	0.4	0.7	0.4	0.5	0.6	0.9	1.1	1.6	15.9
Hot Water Pipes												
Yes	21.9	0.6	1.5	1.8	4.0	3.6	4.6	5.8	2.2	3.3	5.3	7.9
No	42.6	1.0	3.5	4.7	7.7	6.3	8.2	11.2	4.5	6.5	11.2	5.8
Don't Know	7.8	0.4	1.2	0.7	1.6	1.1	1.2	1.7	1.6	2.1	2.7	11.3
Heating/Cooling Ducts												
Yes	21.4	0.3	1.3	1.2	3.4	3.4	4.9	6.9	1.6	2.3	3.7	10.6
No	42.6	1.2	3.8	5.0	8.3	6.5	7.6	10.1	5.1	7.5	12.6	5.3
Don't Know	8.4	0.5	1.0	0.9	1.7	1.1	1.5	1.7	1.6	2.0	2.8	11.6
Weather Stripping												
Yes	45.7	1.0	2.9	3.6	8.2	7.2	9.9	12.9	3.8	5.7	9.7	5.6
No	23.3	0.9	2.7	3.1	4.4	3.3	3.6	5.1	3.7	5.1	8.1	7.2
Don't Know	3.4	0.1	0.6	0.4	0.7	0.4	0.4	0.7	0.8	1.1	1.4	17.6
Caulking												
Yes	51.2	1.0	3.2	4.4	8.8	8.2	10.9	14.5	4.2	6.5	11.1	5.4
No	17.1	0.8	2.4	2.0	3.6	2.3	2.4	3.6	3.2	4.1	6.4	8.2
Don't Know	4.1	0.2	0.6	0.7	0.8	0.5	0.6	0.6	0.9	1.2	1.7	15.7

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

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.30b. Conservation by Family Income, Percent of U.S. Households, 1993 (Continued)

Conservation-Related Items	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.5	2.0	1.3	1.2	1.0	1.1	0.9	0.8	1.1	0.9	0.8	
Conservation Measures (Single-Family Units and Mobile Homes Only)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Types of Insulation in/around Home												
Roof/Ceiling												
Yes	81.0	61.9	66.3	71.0	75.1	82.7	89.0	88.8	62.5	65.8	69.0	2.5
No	8.8	19.2	18.6	13.0	11.0	8.0	4.2	5.2	19.0	16.9	15.0	11.5
Don't Know	10.2	18.9	15.1	16.0	14.0	9.3	6.8	5.9	18.5	17.3	16.0	10.7
Outside Walls												
Yes	70.0	52.4	55.3	60.2	68.2	71.9	76.3	76.0	52.9	56.6	58.8	3.4
No	15.8	25.7	25.3	21.8	16.1	14.1	11.6	13.2	24.8	22.7	22.3	9.4
Don't Know	14.2	21.9	19.4	18.0	15.7	13.9	12.1	10.8	22.3	20.7	18.9	8.9
Floor Insulation												
No Basement/Crawlspace	24.6	26.4	22.6	20.0	21.4	24.9	26.8	27.2	26.0	23.6	22.4	9.1
Basement/Crawlspace	67.7	61.2	63.6	67.7	67.2	65.3	68.2	71.2	60.3	62.1	65.8	3.5
Heated	28.8	11.4	15.0	23.1	24.4	29.5	32.5	37.3	13.0	15.4	19.3	9.3
None or Part Heated	38.9	49.8	48.6	44.6	42.8	35.8	35.7	33.9	47.3	46.7	46.6	5.4
Floor Not Insulated	21.6	30.5	28.5	28.4	24.9	18.8	17.5	18.3	28.4	27.4	27.3	8.2
Floor Insulated	17.3	19.3	20.1	16.2	17.9	17.0	18.2	15.6	18.9	19.3	19.3	9.9
All Parts Insulated	8.2	7.3	7.1	5.9	8.4	7.9	10.0	8.1	6.1	6.8	7.7	14.5
Some Parts Insulated	2.2	Q	2.1	Q	2.1	2.7	3.0	2.0	1.6	1.6	2.1	27.3
Don't Know	6.9	11.4	10.9	8.8	7.5	6.4	5.2	5.5	11.2	10.9	9.5	14.0
Water Heater												
Yes	24.0	19.9	19.9	20.7	26.0	23.2	24.8	25.7	21.3	22.3	21.0	7.7
No	71.1	69.8	69.5	73.8	68.6	73.2	71.5	70.9	68.3	68.3	70.9	2.8
Don't Know	4.9	10.4	10.6	5.4	5.4	3.6	3.7	3.4	10.4	9.4	8.1	15.5
Hot Water Pipes												
Yes	30.3	29.6	24.8	25.4	30.0	32.6	32.7	31.1	26.1	27.5	27.4	6.8
No	58.9	51.9	56.5	65.4	58.2	57.0	58.8	59.7	54.8	55.2	58.4	4.0
Don't Know	10.8	18.5	18.7	9.3	11.8	10.3	8.5	9.2	19.1	17.3	14.2	10.7
Heating/Cooling Ducts												
Yes	29.5	15.1	21.4	17.3	25.5	30.6	35.0	36.6	18.8	19.2	19.5	9.0
No	58.8	59.0	62.1	70.7	62.0	59.1	54.3	54.1	61.9	63.7	65.7	3.9
Don't Know	11.7	25.9	16.6	12.0	12.5	10.3	10.6	9.3	19.3	17.1	14.8	11.0
Weather Stripping												
Yes	63.2	49.4	46.6	50.0	61.7	65.7	70.9	68.9	45.4	48.3	50.4	3.8
No	32.2	43.3	44.0	43.8	33.3	30.3	26.1	27.4	44.8	42.7	42.4	5.6
Don't Know	4.7	7.3	9.5	6.2	5.0	4.1	3.0	3.6	9.8	8.9	7.1	17.5
Caulking												
Yes	70.7	50.8	51.4	62.2	66.4	74.7	78.3	77.6	50.5	54.9	57.7	3.3
No	23.6	40.9	38.4	28.1	27.3	20.5	17.2	19.1	39.2	35.0	33.3	7.0
Don't Know	5.7	8.3	10.2	9.7	6.3	4.8	4.5	3.3	10.3	10.0	9.0	15.3

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

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.31a. Equipment Purchase by Census Region and Climate Zone, Million U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	0.8	0.7	0.9	2.1	1.1	1.1	1.4	1.1	
Total	96.6	19.5	23.3	33.5	20.4	8.7	26.5	22.5	17.8	21.2	7.4
Main Heating System Purchased After January 1, 1990											
No	83.6	17.0	20.2	27.9	18.5	7.2	23.3	19.7	15.5	18.0	4.2
Yes	13.0	2.4	3.1	5.6	1.8	1.5	3.2	2.7	2.3	3.2	10.3
Came with Home Purchase	4.2	0.5	1.0	2.1	0.6	0.4	1.0	0.8	0.7	1.3	21.3
Household Selected	1.0	0.2	0.2	0.4	0.2	0.1	0.3	0.2	0.2	0.3	24.0
Standard with New Home	3.2	0.3	0.8	1.7	0.4	0.3	0.7	0.6	0.5	1.0	24.1
Purchased Replacement	8.8	1.9	2.1	3.5	1.2	1.1	2.2	2.0	1.6	1.9	10.3
Water Heater Purchased After January 1, 1990											
No	79.6	16.6	19.1	26.8	17.0	6.7	22.2	18.8	14.9	16.9	3.9
Yes	17.0	2.8	4.2	6.7	3.3	2.0	4.3	3.6	2.9	4.3	9.5
Came with Home Purchase	4.2	0.6	0.9	2.1	0.7	0.4	1.0	0.8	0.7	1.4	21.5
Household Selected	0.7	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.2	26.1
Standard with New Home	3.5	0.5	0.8	1.8	0.5	0.3	0.8	0.6	0.6	1.2	23.7
Purchased Replacement	12.8	2.2	3.3	4.6	2.7	1.5	3.2	2.9	2.2	2.9	10.1
Central Air-Conditioning Equipment Purchased After January 1, 1990											
No	88.5	18.6	21.3	29.1	19.5	8.1	24.8	20.7	16.3	18.6	4.9
Yes	8.1	0.9	2.0	4.4	0.8	0.6	1.7	1.7	1.5	2.6	14.5
Came with Home Purchase	3.3	0.3	0.8	2.0	0.3	0.2	0.5	0.6	0.6	1.3	23.8
Household Selected	0.6	Q	0.2	0.3	(*)	Q	0.1	0.1	0.1	0.2	33.4
Standard with New Home	2.7	0.2	0.6	1.6	0.2	0.2	0.4	0.5	0.5	1.1	25.3
Purchased Replacement	4.9	0.6	1.2	2.5	0.6	0.4	1.1	1.1	1.0	1.3	15.7
Replaced Central Unit	2.4	Q	0.4	1.5	0.2	Q	0.4	0.5	0.3	1.1	19.7
Replaced Window Unit	0.9	Q	0.2	0.5	Q	Q	Q	0.2	0.3	Q	31.0
New Additional Unit	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.9
No Equipment Before	1.3	0.3	0.5	0.4	Q	Q	0.4	0.3	0.2	Q	26.5
Refrigerator Purchased After January 1, 1990											
No	80.4	16.3	19.7	27.6	16.8	7.3	22.3	19.1	14.6	17.1	4.0
Yes	16.2	3.2	3.6	5.9	3.5	1.4	4.2	3.4	3.2	4.1	8.7
Came with Home Purchase	2.7	0.4	0.4	1.2	0.7	0.2	0.6	0.5	0.4	1.0	21.3
Household Selected	1.4	0.2	0.2	0.7	0.3	0.2	0.3	0.2	0.2	0.6	28.3
Standard with New Home	1.4	0.3	0.2	0.6	0.4	Q	0.3	0.3	0.2	0.4	23.7
Purchased Replacement	13.5	2.8	3.2	4.6	2.9	1.2	3.6	2.8	2.8	3.1	9.7

See footnotes at end of table.

Table 3.31b. Equipment Purchase by Census Region and Climate Zone, Percent of U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.2	1.0	0.8	1.0	1.5	1.0	1.0	1.2	1.1	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating System Purchased After January 1, 1990											
No	86.5	87.5	86.6	83.2	91.0	82.9	87.9	87.8	87.0	84.7	1.4
Yes	13.5	12.5	13.4	16.8	9.0	17.1	12.1	12.2	13.0	15.3	8.2
Came with Home Purchase	4.4	2.7	4.3	6.3	2.9	5.0	3.8	3.4	3.9	6.2	20.8
Household Selected	1.1	1.1	1.0	1.3	0.7	1.4	1.1	0.9	1.0	1.2	23.2
Standard with New Home	3.3	1.6	3.2	5.0	2.2	3.6	2.7	2.6	2.9	4.9	23.8
Purchased Replacement	9.1	9.7	9.1	10.5	6.1	12.1	8.3	8.8	9.1	9.1	8.5
Water Heater Purchased After January 1, 1990											
No	82.4	85.5	82.1	80.0	83.7	77.6	83.9	83.8	83.8	79.7	1.6
Yes	17.6	14.5	17.9	20.0	16.3	22.4	16.1	16.2	16.2	20.3	7.6
Came with Home Purchase	4.4	3.0	3.9	6.2	3.2	4.9	3.8	3.3	3.7	6.5	21.3
Household Selected	0.7	0.7	0.6	0.8	0.7	1.1	0.7	0.6	0.5	0.9	25.5
Standard with New Home	3.7	2.3	3.3	5.3	2.5	3.8	3.1	2.8	3.2	5.6	23.7
Purchased Replacement	13.2	11.5	14.0	13.8	13.0	17.5	12.3	12.8	12.5	13.8	8.3
Central Air-Conditioning Equipment Purchased After January 1, 1990											
No	91.6	95.5	91.4	86.8	96.0	92.9	93.8	92.3	91.5	87.6	1.4
Yes	8.4	4.5	8.6	13.2	4.0	7.1	6.2	7.7	8.5	12.4	13.4
Came with Home Purchase	3.4	1.4	3.3	5.9	1.3	2.7	2.1	2.8	3.1	6.1	23.6
Household Selected	0.6	Q	0.7	1.0	0.2	Q	0.4	0.4	0.5	1.2	32.2
Standard with New Home	2.8	1.1	2.6	4.8	1.1	Q	1.6	2.4	2.6	5.0	24.3
Purchased Replacement	5.0	3.1	5.3	7.4	2.7	4.4	4.2	4.9	5.4	6.2	14.4
Replaced Central Unit	2.5	Q	1.9	4.6	1.2	Q	1.5	2.3	1.7	5.1	18.6
Replaced Window Unit	1.0	Q	1.1	1.5	Q	Q	Q	0.9	1.9	Q	30.7
New Additional Unit	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	46.5
No Equipment Before	1.3	1.5	2.2	1.1	Q	2.5	1.7	1.4	1.2	Q	25.6
Refrigerator Purchased After January 1, 1990											
No	83.2	83.4	84.4	82.5	82.7	83.9	84.1	85.1	82.2	80.6	1.5
Yes	16.8	16.6	15.6	17.5	17.3	16.1	15.9	14.9	17.8	19.4	7.2
Came with Home Purchase	2.8	2.3	1.7	3.7	3.2	2.4	2.4	2.3	2.2	4.7	21.4
Household Selected	1.4	0.9	1.0	2.0	1.5	1.8	1.2	0.7	1.0	2.7	28.6
Standard with New Home	1.4	1.4	0.7	1.7	1.8	Q	1.2	1.6	1.1	2.0	22.6
Purchased Replacement	14.0	14.3	13.9	13.8	14.1	13.7	13.5	12.7	15.6	14.7	8.2

See footnotes at end of table.

Table 3.31a. Equipment Purchase by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	0.8	0.7	0.9	2.1	1.1	1.1	1.4	1.1	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Price											
Heating Equipment	9.8	2.1	2.4	4.0	1.4	1.2	2.5	2.2	1.8	2.2	9.7
Important	7.3	1.5	1.6	3.2	1.0	0.7	1.8	1.8	1.4	1.7	11.5
Not Important	2.3	0.5	0.7	0.7	0.4	0.4	0.7	0.4	0.4	0.5	17.1
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.8
Water Heater	13.5	2.4	3.4	4.9	2.8	1.6	3.4	3.0	2.3	3.1	9.8
Important	9.5	1.6	2.4	3.5	2.1	1.1	2.4	2.1	1.7	2.2	11.2
Not Important	3.7	0.7	0.9	1.3	0.7	0.6	0.9	0.8	0.6	0.8	16.7
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	53.1
Central Air-Conditioning	5.5	0.7	1.4	2.8	0.6	0.4	1.2	1.2	1.0	1.6	14.9
Important	4.2	0.5	1.0	2.3	0.5	Q	1.0	0.9	0.8	1.3	14.1
Not Important	1.1	0.1	0.4	0.4	0.1	0.2	0.3	0.2	0.2	0.3	30.5
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	3.0	3.5	5.3	3.2	1.3	3.9	3.0	3.0	3.7	9.1
Important	12.4	2.4	2.8	4.5	2.8	1.1	3.1	2.6	2.6	3.1	10.3
Not Important	2.2	0.5	0.5	0.8	0.4	0.3	0.7	0.4	0.4	0.5	18.0
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.8
Energy Efficiency											
Heating Equipment	9.8	2.1	2.4	4.0	1.4	1.2	2.5	2.2	1.8	2.2	9.7
Important	8.9	1.9	2.2	3.5	1.2	1.1	2.3	2.0	1.6	2.0	10.7
Not Important	0.7	Q	Q	0.3	0.2	Q	0.2	Q	0.2	0.2	28.3
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.4
Water Heater	13.5	2.4	3.4	4.9	2.8	1.6	3.4	3.0	2.3	3.1	9.8
Important	11.7	2.0	3.0	4.3	2.4	1.5	2.8	2.6	2.0	2.8	10.2
Not Important	1.4	0.3	0.4	0.5	0.3	Q	0.5	0.2	0.2	0.3	28.8
Don't Know	0.4	Q	Q	Q	Q	Q	Q	0.2	Q	Q	38.8
Central Air-Conditioning	5.5	0.7	1.4	2.8	0.6	0.4	1.2	1.2	1.0	1.6	14.9
Important	5.0	0.5	1.3	2.6	0.5	0.4	1.1	1.1	0.9	1.5	14.9
Not Important	0.3	Q	Q	0.1	Q	Q	Q	Q	Q	Q	49.2
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	3.0	3.5	5.3	3.2	1.3	3.9	3.0	3.0	3.7	9.1
Important	12.7	2.5	2.9	4.6	2.6	1.2	3.2	2.7	2.6	3.1	10.0
Not Important	1.9	0.4	0.4	0.6	0.5	0.2	0.5	0.3	0.4	0.6	20.2
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	54.3

See footnotes at end of table.

Table 3.31b. Equipment Purchase by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.2	1.0	0.8	1.0	1.5	1.0	1.0	1.2	1.1	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Price											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	74.0	71.3	66.6	81.1	70.1	61.7	70.3	81.0	75.4	76.5	5.3
Not Important	23.7	25.0	31.5	16.6	28.4	36.1	26.7	17.3	21.4	21.7	14.3
Don't Know	2.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	52.5
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	70.8	65.9	69.9	71.2	75.1	65.8	69.9	70.4	74.4	72.1	5.4
Not Important	27.1	30.9	27.8	26.9	23.5	34.2	27.2	25.5	24.3	27.0	13.7
Don't Know	2.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	47.1
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	77.6	73.1	68.8	83.1	77.0	52.4	78.1	80.1	80.4	80.6	7.7
Not Important	20.1	21.3	30.6	14.3	21.5	47.6	21.1	16.9	15.4	16.9	23.5
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	83.3	80.3	80.7	84.2	87.7	80.0	79.5	85.1	86.9	84.3	3.2
Not Important	14.8	18.4	15.8	14.4	11.2	19.0	17.6	13.8	11.8	13.7	15.5
Don't Know	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.3
Energy Efficiency											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	90.7	91.3	94.9	89.3	86.6	94.5	90.6	92.6	86.5	90.3	2.7
Not Important	6.7	Q	Q	7.9	11.1	Q	6.8	Q	10.3	7.5	28.1
Don't Know	2.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	51.6
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	86.5	83.8	87.1	87.3	86.6	93.1	81.6	86.5	85.2	89.5	3.4
Not Important	10.5	11.5	10.6	10.4	9.7	Q	15.1	7.7	10.5	9.9	26.5
Don't Know	3.0	Q	Q	Q	Q	Q	Q	5.9	Q	Q	37.3
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	92.2	81.8	95.7	94.1	87.0	100.0	86.8	92.7	88.3	96.6	3.6
Not Important	5.9	Q	Q	4.0	Q	Q	Q	Q	Q	Q	41.5
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	85.2	85.7	84.5	86.7	83.2	85.7	83.1	88.5	86.8	83.4	3.3
Not Important	12.8	12.1	12.2	12.3	15.0	13.3	13.7	9.6	12.0	15.0	18.5
Don't Know	1.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.2

See footnotes at end of table.

Table 3.31a. Equipment Purchase by Census Region and Climate Zone, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.0	0.8	0.7	0.9	2.1	1.1	1.1	1.4	1.1	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Rebate/Financing											
Heating Equipment	9.8	2.1	2.4	4.0	1.4	1.2	2.5	2.2	1.8	2.2	9.7
Important	2.1	0.4	0.6	0.9	0.2	0.3	0.5	0.5	0.2	0.6	19.5
Not Important	7.1	1.6	1.7	2.8	1.1	0.8	1.8	1.5	1.3	1.6	11.4
Don't Know	0.6	Q	Q	0.3	Q	Q	Q	Q	0.2	Q	36.9
Water Heater	13.5	2.4	3.4	4.9	2.8	1.6	3.4	3.0	2.3	3.1	9.8
Important	2.6	0.6	0.6	0.9	0.5	0.2	0.7	0.7	0.5	0.4	20.7
Not Important	10.4	1.6	2.7	3.9	2.2	1.4	2.5	2.1	1.7	2.6	11.4
Don't Know	0.5	0.2	Q	0.1	Q	Q	Q	0.2	Q	Q	39.7
Central Air-Conditioning	5.5	0.7	1.4	2.8	0.6	0.4	1.2	1.2	1.0	1.6	14.9
Important	1.2	Q	0.3	0.7	0.1	Q	0.2	0.3	0.1	0.5	24.0
Not Important	4.0	0.5	1.1	2.0	0.5	0.3	1.0	0.9	0.8	1.1	16.0
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.9
Reputation of Manufacturer											
Heating Equipment	9.8	2.1	2.4	4.0	1.4	1.2	2.5	2.2	1.8	2.2	9.7
Important	7.4	1.6	1.9	3.1	0.7	0.9	1.9	1.6	1.2	1.7	12.0
Not Important	2.1	0.4	0.4	0.7	0.5	0.2	0.5	0.5	0.4	0.4	18.1
Don't Know	0.4	Q	Q	0.1	Q	Q	Q	Q	Q	Q	41.5
Central Air-Conditioning	5.5	0.7	1.4	2.8	0.6	0.4	1.2	1.2	1.0	1.6	14.9
Important	4.6	0.5	1.2	2.4	0.4	0.4	1.0	1.0	0.8	1.3	15.7
Not Important	0.7	Q	0.1	0.3	0.2	Q	0.2	0.2	0.2	0.2	32.4
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability											
Water Heater	13.5	2.4	3.4	4.9	2.8	1.6	3.4	3.0	2.3	3.1	9.8
Important	11.6	2.1	2.7	4.3	2.5	1.3	2.9	2.6	2.0	2.7	10.6
Not Important	1.7	0.2	0.6	0.6	0.2	0.3	0.4	0.3	0.3	0.4	22.4
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.7
Refrigerator	14.9	3.0	3.5	5.3	3.2	1.3	3.9	3.0	3.0	3.7	9.1
Important	11.7	2.4	2.5	4.4	2.5	1.1	2.8	2.6	2.3	2.9	10.6
Not Important	2.9	0.5	0.9	0.8	0.6	0.3	0.9	0.4	0.6	0.7	17.9
Don't Know	0.3	Q	Q	Q	Q	Q	0.2	Q	Q	Q	36.8
Size											
Refrigerator	14.9	3.0	3.5	5.3	3.2	1.3	3.9	3.0	3.0	3.7	9.1
Important	13.6	2.7	3.0	5.0	2.9	1.2	3.4	2.8	2.7	3.4	10.1
Not Important	1.1	0.2	0.4	0.3	0.2	Q	0.4	0.1	0.2	0.2	28.2
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	63.2

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

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • "Important" combines responses of "Very Important" and "Somewhat Important." • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.31b. Equipment Purchase by Census Region and Climate Zone, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Census Region				Climate Zone					RSE Row Factors
		Northeast	Midwest	South	West	Fewer than 2,000 CDD and --				More than 2,000 CDD 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	1.2	1.0	0.8	1.0	1.5	1.0	1.0	1.2	1.1	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Rebate/Financing											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	21.8	19.1	25.3	23.1	16.2	24.4	21.6	23.5	13.4	25.9	16.9
Not Important	72.5	75.3	72.3	70.0	75.6	71.6	74.1	70.1	74.9	71.3	5.6
Don't Know	5.7	Q	Q	6.9	Q	Q	Q	Q	11.7	Q	36.1
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	18.9	23.4	18.8	18.4	16.4	12.8	21.6	22.2	22.4	13.5	19.9
Not Important	77.3	68.4	78.2	79.4	80.0	87.2	73.5	70.8	75.5	83.9	5.0
Don't Know	3.8	8.2	Q	2.3	Q	Q	4.9	7.0	Q	Q	37.1
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	22.1	Q	23.4	23.8	19.2	22.9	19.1	22.6	12.7	29.8	20.7
Not Important	72.9	78.8	75.9	69.5	75.5	75.2	80.1	72.4	72.7	67.1	6.6
Don't Know	5.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.9
Reputation of Manufacturer											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	74.9	75.1	82.3	78.0	53.1	79.5	75.4	74.4	68.4	77.5	5.3
Not Important	21.1	20.3	16.2	18.4	38.5	18.6	21.1	22.1	23.2	19.8	15.8
Don't Know	4.1	Q	Q	3.7	Q	Q	Q	Q	Q	Q	37.6
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	84.0	79.0	89.7	85.3	70.0	96.7	84.2	80.8	80.4	85.1	4.9
Not Important	13.7	Q	10.3	12.0	27.4	Q	15.8	14.4	15.4	13.3	30.1
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability											
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	85.8	86.9	80.2	86.8	90.2	79.1	84.3	88.1	87.0	88.0	3.2
Not Important	12.8	10.2	18.6	12.4	8.9	20.9	13.0	10.9	11.3	11.6	21.4
Don't Know	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.5
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	78.5	79.9	71.0	82.8	78.2	78.5	71.6	85.9	78.6	79.6	4.5
Not Important	19.2	17.4	25.5	15.4	20.2	19.9	24.5	12.8	20.1	17.8	16.0
Don't Know	2.3	Q	Q	Q	Q	Q	3.9	Q	Q	Q	37.0
Size											
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	91.5	91.3	86.4	94.2	92.6	91.7	87.0	94.2	91.9	93.5	2.6
Not Important	7.1	7.3	10.3	5.2	6.6	Q	10.2	4.6	6.8	6.0	27.0
Don't Know	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.7

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: • "Important" combines responses of "Very Important" and "Somewhat Important." • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.32a. Equipment Purchase by Year of Construction, Million U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.1	1.4	2.0	1.1	0.9	0.9	0.8	1.4	0.8	
Total	96.6	4.5	4.7	5.5	8.5	18.1	15.0	13.1	6.9	20.4	5.3
Main Heating System Purchased After January 1, 1990											
No	83.6	1.7	3.6	5.4	7.9	16.3	13.3	11.1	6.0	18.4	5.8
Yes	13.0	2.8	1.1	0.1	0.6	1.8	1.7	2.0	0.9	2.0	12.9
Came with Home Purchase	4.2	2.8	1.1	Q	Q	Q	Q	Q	Q	Q	14.9
Household Selected	1.0	0.6	0.3	Q	Q	Q	Q	Q	Q	Q	17.9
Standard with New Home	3.2	2.1	0.8	Q	Q	Q	Q	Q	Q	Q	17.3
Purchased Replacement	8.8	Q	Q	0.1	0.5	1.7	1.6	2.0	0.8	1.8	13.7
Water Heater Purchased After January 1, 1990											
No	79.6	1.7	3.6	5.0	7.4	15.5	12.7	10.6	5.9	17.3	6.0
Yes	17.0	2.8	1.1	0.5	1.1	2.6	2.3	2.5	1.0	3.1	10.8
Came with Home Purchase	4.2	2.7	1.0	Q	Q	Q	Q	Q	Q	Q	15.5
Household Selected	0.7	0.4	0.2	Q	Q	Q	Q	Q	Q	Q	19.7
Standard with New Home	3.5	2.3	0.8	Q	Q	Q	Q	Q	Q	Q	17.3
Purchased Replacement	12.8	Q	0.1	0.5	1.0	2.6	2.2	2.4	1.0	2.9	11.6
Central Air-Conditioning Equipment Purchased After January 1, 1990											
No	88.5	2.1	3.8	5.3	7.9	16.9	14.0	11.9	6.7	19.9	5.7
Yes	8.1	2.4	1.0	0.1	0.5	1.2	1.0	1.1	0.2	0.5	17.9
Came with Home Purchase	3.3	2.3	0.8	Q	Q	Q	Q	Q	Q	Q	17.2
Household Selected	0.6	0.5	0.1	Q	Q	Q	Q	Q	Q	Q	26.7
Standard with New Home	2.7	1.8	0.7	Q	Q	Q	Q	Q	Q	Q	18.8
Purchased Replacement	4.9	0.1	0.1	Q	0.5	1.2	1.0	1.1	0.2	0.5	20.6
Replaced Central Unit	2.4	Q	Q	Q	0.3	0.8	0.6	0.4	Q	Q	22.7
Replaced Window Unit	0.9	Q	Q	Q	Q	0.2	0.2	0.3	Q	Q	42.5
New Additional Unit	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.7
No Equipment Before	1.3	0.1	0.1	Q	Q	0.2	Q	0.3	Q	0.3	34.4
Refrigerator Purchased After January 1, 1990											
No	80.4	2.2	3.8	4.9	7.2	15.3	12.5	11.1	5.7	17.7	5.7
Yes	16.2	2.3	0.9	0.6	1.3	2.9	2.5	2.0	1.2	2.7	10.0
Came with Home Purchase	2.7	1.5	0.4	0.1	Q	Q	Q	Q	Q	Q	16.5
Household Selected	1.4	0.8	0.2	Q	Q	Q	Q	Q	Q	Q	23.7
Standard with New Home	1.4	0.7	0.3	Q	Q	Q	Q	Q	Q	Q	17.9
Purchased Replacement	13.5	0.7	0.4	0.4	1.2	2.7	2.4	1.8	1.2	2.6	11.1

See footnotes at end of table.

Table 3.32b. Equipment Purchase by Year of Construction, Percent of U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.5	1.0	1.3	1.8	1.2	0.8	0.9	0.9	1.4	0.8	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating System Purchased After January 1, 1990											
No	86.5	37.0	76.1	97.6	93.0	90.1	88.9	84.7	87.3	90.2	2.0
Yes	13.5	63.0	23.9	2.4	7.0	9.9	11.1	15.3	12.7	9.8	11.3
Came with Home Purchase	4.4	62.1	22.4	Q	Q	Q	Q	Q	Q	Q	12.2
Household Selected	1.1	14.4	6.4	Q	Q	Q	Q	Q	Q	Q	17.7
Standard with New Home	3.3	47.7	16.0	Q	Q	Q	Q	Q	Q	Q	14.4
Purchased Replacement	9.1	Q	Q	2.2	6.4	9.6	10.9	15.2	12.0	9.0	12.5
Water Heater Purchased After January 1, 1990											
No	82.4	37.7	76.5	90.6	87.0	85.4	84.5	81.1	85.4	85.0	2.2
Yes	17.6	62.3	23.5	9.4	13.0	14.6	15.5	18.9	14.6	15.0	9.5
Came with Home Purchase	4.4	61.1	21.2	Q	Q	Q	Q	Q	Q	Q	12.8
Household Selected	0.7	9.0	3.8	Q	Q	Q	Q	Q	Q	Q	20.1
Standard with New Home	3.7	52.1	17.4	Q	Q	Q	Q	Q	Q	Q	14.4
Purchased Replacement	13.2	Q	2.3	9.1	12.2	14.2	14.8	18.2	14.3	14.4	10.6
Central Air-Conditioning Equipment Purchased After January 1, 1990											
No	91.6	46.0	79.8	97.3	93.8	93.3	93.3	91.2	96.9	97.5	1.8
Yes	8.4	54.0	20.2	2.7	6.2	6.7	6.7	8.8	3.1	2.5	16.6
Came with Home Purchase	3.4	50.8	17.7	Q	Q	Q	Q	Q	Q	Q	14.4
Household Selected	0.6	10.2	2.5	Q	Q	Q	Q	Q	Q	Q	26.1
Standard with New Home	2.8	40.7	15.1	Q	Q	Q	Q	Q	Q	Q	16.1
Purchased Replacement	5.0	3.2	2.6	Q	5.5	6.5	6.5	8.7	3.0	2.4	20.0
Replaced Central Unit	2.5	Q	Q	Q	3.6	4.4	3.9	3.3	Q	Q	21.1
Replaced Window Unit	1.0	Q	Q	Q	Q	0.9	1.5	2.2	Q	Q	40.9
New Additional Unit	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	52.9
No Equipment Before	1.3	2.2	2.3	Q	Q	0.9	Q	2.6	Q	1.3	34.0
Refrigerator Purchased After January 1, 1990											
No	83.2	49.5	81.7	90.0	84.9	84.2	83.1	84.8	82.4	86.8	1.8
Yes	16.8	50.5	18.3	10.0	15.1	15.8	16.9	15.2	17.6	13.2	8.5
Came with Home Purchase	2.8	34.6	9.5	2.3	Q	Q	Q	Q	Q	Q	14.9
Household Selected	1.4	18.5	3.9	Q	Q	Q	Q	Q	Q	Q	21.7
Standard with New Home	1.4	16.1	5.6	Q	Q	Q	Q	Q	Q	Q	17.4
Purchased Replacement	14.0	15.9	8.9	7.7	14.3	15.0	15.8	14.1	17.4	12.7	10.0

See footnotes at end of table.

Table 3.32a. Equipment Purchase by Year of Construction, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.1	1.4	2.0	1.1	0.9	0.9	0.8	1.4	0.8	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Price											
Heating Equipment	9.8	0.7	0.4	0.1	0.5	1.8	1.6	2.0	0.8	1.9	13.4
Important	7.3	0.5	0.2	Q	0.4	1.3	1.3	1.6	0.5	1.3	15.1
Not Important	2.3	0.2	0.1	Q	Q	0.4	0.3	0.3	0.3	0.5	23.5
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.7
Water Heater	13.5	0.5	0.3	0.5	1.1	2.6	2.2	2.4	1.0	3.0	11.1
Important	9.5	0.3	0.3	0.2	0.7	1.8	1.7	1.8	0.7	2.1	13.4
Not Important	3.7	0.2	Q	0.3	0.4	0.7	0.5	0.6	0.2	0.9	20.6
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	61.1
Central Air-Conditioning	5.5	0.6	0.2	0.1	0.5	1.2	1.0	1.1	0.2	0.5	19.5
Important	4.2	0.5	0.2	Q	0.4	1.0	0.8	0.8	0.1	0.4	20.1
Not Important	1.1	0.1	Q	Q	Q	0.2	0.2	0.3	Q	Q	36.9
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	1.5	0.6	0.5	1.2	2.8	2.5	1.9	1.2	2.6	10.5
Important	12.4	1.3	0.5	0.4	1.0	2.3	2.0	1.7	1.0	2.2	11.3
Not Important	2.2	0.2	0.1	Q	0.2	0.4	0.4	0.2	0.2	0.4	26.1
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	68.9
Energy Efficiency											
Heating Equipment	9.8	0.7	0.4	0.1	0.5	1.8	1.6	2.0	0.8	1.9	13.4
Important	8.9	0.7	0.3	0.1	0.5	1.6	1.5	1.8	0.8	1.8	14.7
Not Important	0.7	Q	Q	Q	Q	Q	Q	0.1	Q	Q	36.8
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	66.1
Water Heater	13.5	0.5	0.3	0.5	1.1	2.6	2.2	2.4	1.0	3.0	11.1
Important	11.7	0.4	0.3	0.4	0.9	2.3	2.1	2.0	0.9	2.4	12.1
Not Important	1.4	Q	Q	Q	Q	0.2	Q	0.3	Q	0.5	29.4
Don't Know	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.9
Central Air-Conditioning	5.5	0.6	0.2	0.1	0.5	1.2	1.0	1.1	0.2	0.5	19.5
Important	5.0	0.6	0.2	0.1	0.4	1.1	0.9	1.0	0.2	0.4	20.0
Not Important	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.8
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	1.5	0.6	0.5	1.2	2.8	2.5	1.9	1.2	2.6	10.5
Important	12.7	1.2	0.5	0.5	1.0	2.5	2.1	1.6	1.0	2.3	11.4
Not Important	1.9	0.3	0.1	Q	0.2	0.2	0.2	0.3	0.2	0.3	28.8
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	62.5

See footnotes at end of table.

Table 3.32b. Equipment Purchase by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.5	1.0	1.3	1.8	1.2	0.8	0.9	0.9	1.4	0.8	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Price											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	74.0	66.9	64.3	Q	82.6	75.4	77.3	78.9	63.5	71.0	7.5
Not Important	23.7	31.8	26.1	Q	Q	24.4	20.5	17.6	36.5	25.9	20.2
Don't Know	2.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	59.7
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	70.8	63.5	88.5	43.5	61.8	70.4	76.0	75.4	75.5	69.1	7.2
Not Important	27.1	33.4	Q	52.9	38.2	26.6	22.4	23.3	20.0	28.9	17.2
Don't Know	2.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	53.5
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	77.6	78.5	91.1	90.6	79.6	81.0	77.6	70.3	67.2	77.4	9.3
Not Important	20.1	20.1	Q	Q	Q	19.0	20.5	24.1	Q	Q	31.0
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	83.3	87.4	76.4	87.7	77.4	83.9	80.9	88.8	83.1	82.2	4.5
Not Important	14.8	12.6	19.0	Q	17.3	14.7	17.2	10.7	15.7	15.2	23.3
Don't Know	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	62.9
Energy Efficiency											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	90.7	97.3	86.5	91.7	90.1	89.5	89.4	89.1	91.2	92.9	4.1
Not Important	6.7	Q	Q	Q	Q	Q	Q	7.4	Q	Q	34.5
Don't Know	2.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.7
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	86.5	92.2	97.6	83.4	89.0	87.1	93.7	85.0	86.3	79.6	3.8
Not Important	10.5	Q	Q	Q	Q	8.9	Q	11.7	Q	15.9	27.1
Don't Know	3.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	49.3
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	92.2	95.6	94.8	100.0	90.6	93.5	95.7	88.0	87.2	88.5	4.9
Not Important	5.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.9
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	85.2	80.1	78.6	92.3	81.9	89.5	87.4	81.2	84.7	86.8	4.3
Not Important	12.8	19.9	16.8	Q	16.3	8.7	9.9	16.9	13.7	10.9	26.4
Don't Know	1.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.1

See footnotes at end of table.

Table 3.32a. Equipment Purchase by Year of Construction, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.4	1.1	1.4	2.0	1.1	0.9	0.9	0.8	1.4	0.8	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Rebate/Financing											
Heating Equipment	9.8	0.7	0.4	0.1	0.5	1.8	1.6	2.0	0.8	1.9	13.4
Important	2.1	0.1	0.1	Q	0.1	0.4	0.3	0.5	0.2	0.4	26.9
Not Important	7.1	0.6	0.2	0.1	0.4	1.3	1.1	1.4	0.6	1.4	15.5
Don't Know	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	46.8
Water Heater	13.5	0.5	0.3	0.5	1.1	2.6	2.2	2.4	1.0	3.0	11.1
Important	2.6	Q	0.1	Q	0.1	0.5	0.4	0.5	0.3	0.6	24.4
Not Important	10.4	0.4	0.2	0.5	0.9	2.0	1.8	1.8	0.7	2.2	13.2
Don't Know	0.5	Q	Q	Q	Q	Q	Q	Q	Q	0.2	46.5
Central Air-Conditioning	5.5	0.6	0.2	0.1	0.5	1.2	1.0	1.1	0.2	0.5	19.5
Important	1.2	0.1	0.1	Q	0.1	0.3	0.2	Q	Q	Q	30.8
Not Important	4.0	0.5	0.1	Q	0.3	0.9	0.7	0.9	Q	0.3	21.1
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	78.1
Reputation of Manufacturer											
Heating Equipment	9.8	0.7	0.4	0.1	0.5	1.8	1.6	2.0	0.8	1.9	13.4
Important	7.4	0.5	0.2	0.1	0.5	1.4	1.2	1.5	0.6	1.3	15.6
Not Important	2.1	0.2	0.1	Q	Q	0.3	0.4	0.4	0.2	0.5	24.5
Don't Know	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.0
Central Air-Conditioning	5.5	0.6	0.2	0.1	0.5	1.2	1.0	1.1	0.2	0.5	19.5
Important	4.6	0.5	0.2	Q	0.4	1.1	0.8	0.9	0.2	0.4	19.9
Not Important	0.7	0.1	Q	Q	Q	0.1	0.2	0.2	Q	Q	39.5
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability											
Water Heater	13.5	0.5	0.3	0.5	1.1	2.6	2.2	2.4	1.0	3.0	11.1
Important	11.6	0.3	0.2	0.4	1.0	2.1	2.0	2.1	0.9	2.5	12.3
Not Important	1.7	0.1	Q	Q	Q	0.4	0.3	0.3	Q	0.4	27.6
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	77.9
Refrigerator	14.9	1.5	0.6	0.5	1.2	2.8	2.5	1.9	1.2	2.6	10.5
Important	11.7	1.2	0.4	0.3	0.9	2.3	1.9	1.6	0.9	2.2	12.4
Not Important	2.9	0.3	0.1	0.2	0.3	0.5	0.5	0.3	0.3	0.3	23.0
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	48.8
Size											
Refrigerator	14.9	1.5	0.6	0.5	1.2	2.8	2.5	1.9	1.2	2.6	10.5
Important	13.6	1.4	0.5	0.5	1.0	2.6	2.3	1.7	1.1	2.4	11.1
Not Important	1.1	0.1	Q	Q	Q	0.2	Q	0.2	Q	0.2	35.9
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	72.8

¹ Does not include all new construction for 1993.

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: • "Important" combines responses of "Very Important" and "Somewhat Important." • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.32b. Equipment Purchase by Year of Construction, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	Year of Construction									RSE Row Factors
		1991 to 1993 ¹	1988 to 1990	1985 to 1987	1980 to 1984	1970 to 1979	1960 to 1969	1950 to 1959	1940 to 1949	1939 or Before	
RSE Column Factor:	0.5	1.0	1.3	1.8	1.2	0.8	0.9	0.9	1.4	0.8	
Purchase Considerations (Those who selected for new home or purchased new equipment)											
Rebate/Financing											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	21.8	14.0	28.2	Q	24.9	20.6	20.0	25.9	19.9	22.5	23.6
Not Important	72.5	80.7	62.2	79.8	69.0	76.0	69.8	70.1	75.0	72.3	7.9
Don't Know	5.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	41.6
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	18.9	Q	30.7	Q	13.7	18.3	17.2	22.0	27.1	20.6	22.6
Not Important	77.3	86.3	66.9	94.1	84.6	77.3	82.0	74.2	68.4	73.2	5.5
Don't Know	3.8	Q	Q	Q	Q	Q	Q	Q	Q	6.1	42.3
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	22.1	15.9	39.2	Q	27.5	26.9	22.4	Q	Q	Q	26.9
Not Important	72.9	82.7	60.8	Q	64.8	73.1	66.4	82.0	Q	70.9	10.1
Don't Know	5.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	68.2
Reputation of Manufacturer											
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	74.9	71.7	54.9	87.9	85.6	82.6	73.1	75.4	76.3	69.1	7.4
Not Important	21.1	24.8	34.3	Q	Q	16.1	23.3	17.8	21.4	26.7	21.5
Don't Know	4.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.0
Central Air-Conditioning	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	84.0	82.7	86.6	97.0	89.8	88.5	82.7	77.1	78.4	85.3	7.2
Not Important	13.7	17.3	Q	Q	Q	11.5	17.3	15.5	Q	Q	34.8
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability											
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	85.8	72.4	82.5	83.6	93.6	82.0	88.3	88.2	88.1	84.8	4.6
Not Important	12.8	24.5	Q	Q	Q	16.1	11.7	11.5	Q	14.0	25.7
Don't Know	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.7
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	78.5	78.8	69.7	67.7	69.4	81.5	75.9	82.0	74.7	85.0	6.0
Not Important	19.2	20.9	24.4	30.8	27.9	16.7	20.7	16.6	21.1	12.7	21.0
Don't Know	2.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.9
Size											
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	91.5	91.8	86.9	96.0	84.7	92.3	95.5	89.7	91.1	91.5	3.0
Not Important	7.1	8.2	Q	Q	Q	6.3	Q	9.4	Q	6.2	35.3
Don't Know	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	66.8

¹ Does not include all new construction for 1993.

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: • "Important" combines responses of "Very Important" and "Somewhat Important." • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.33a. Equipment Purchase by Type and Ownership of Housing Unit, Million U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.3	1.0	1.4	1.9	1.8	1.4	2.8	1.0	1.0	1.1	2.2	
Total	96.6	66.8	55.8	11.0	8.0	1.5	6.5	16.2	1.6	14.7	5.6	4.4	1.2	5.8
Main Heating System Purchased After January 1, 1990														
No	83.6	55.3	44.7	10.6	7.6	1.2	6.4	16.0	1.4	14.6	4.7	3.6	1.1	6.0
Yes	13.0	11.5	11.1	0.4	0.4	0.3	0.1	0.3	Q	Q	0.8	0.8	Q	18.3
Came with Home Purchase	4.2	3.8	3.8	Q	Q	Q	Q	Q	Q	Q	0.4	0.4	Q	29.7
Household Selected	1.0	1.0	1.0	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	34.8
Standard with New Home	3.2	2.8	2.8	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	34.1
Purchased Replacement	8.8	7.7	7.3	0.4	0.3	0.2	0.1	0.3	Q	Q	0.4	0.4	Q	19.4
Water Heater Purchased After January 1, 1990														
No	79.6	51.6	41.2	10.3	7.6	1.3	6.3	16.0	1.3	14.6	4.5	3.4	1.1	6.1
Yes	17.0	15.2	14.5	0.7	0.4	0.2	0.2	0.3	0.2	Q	1.1	1.0	Q	16.0
Came with Home Purchase	4.2	3.7	3.7	Q	Q	Q	Q	Q	Q	Q	0.4	0.4	Q	31.1
Household Selected	0.7	0.7	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.4
Standard with New Home	3.5	3.1	3.1	Q	Q	Q	Q	Q	Q	Q	0.4	0.4	Q	33.5
Purchased Replacement	12.8	11.5	10.8	0.7	0.4	0.2	0.2	0.2	0.2	Q	0.7	0.6	Q	17.2
Central Air-Conditioning Equipment Purchased After January 1, 1990														
No	88.5	59.5	48.5	10.9	7.9	1.4	6.5	16.1	1.4	14.7	5.0	3.9	1.2	5.9
Yes	8.1	7.3	7.2	Q	Q	Q	Q	Q	Q	Q	0.5	0.5	Q	22.1
Came with Home Purchase	3.3	2.9	2.9	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	34.4
Household Selected	0.6	0.5	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.6
Standard with New Home	2.7	2.4	2.4	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	37.5
Purchased Replacement	4.9	4.5	4.3	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	28.3
Replaced Central Unit	2.4	2.1	2.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.8
Replaced Window Unit	0.9	0.9	0.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	65.0
New Additional Unit	0.3	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	90.3
No Equipment Before	1.3	1.2	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	52.9
Refrigerator Purchased After January 1, 1990														
No	80.4	53.2	43.7	9.6	7.4	1.2	6.1	15.1	1.3	13.9	4.7	3.5	1.1	6.2
Yes	16.2	13.6	12.1	1.5	0.6	0.2	0.4	1.1	0.3	0.8	0.9	0.9	Q	13.4
Came with Home Purchase	2.7	2.2	2.1	0.1	Q	Q	Q	0.1	Q	Q	0.3	0.3	Q	31.1
Household Selected	1.4	1.3	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	54.6
Standard with New Home	1.4	0.9	0.8	Q	Q	Q	Q	0.1	Q	Q	0.3	0.3	Q	33.4
Purchased Replacement	13.5	11.4	10.0	1.4	0.6	0.2	0.4	1.0	0.2	0.8	0.5	0.5	Q	14.6

See footnotes at end of table.

Table 3.33b. Equipment Purchase by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.3	1.1	1.4	1.7	1.8	1.8	2.6	1.7	1.0	1.0	0.9	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating System Purchased After January 1, 1990														
No	86.5	82.8	80.1	96.3	95.0	81.4	98.2	98.2	88.1	99.3	84.9	82.1	95.4	2.4
Yes	13.5	17.2	19.9	3.7	5.0	18.6	1.8	1.8	Q	Q	15.1	17.9	Q	16.3
Came with Home Purchase	4.4	5.6	6.7	Q	Q	Q	Q	Q	Q	Q	7.2	9.1	Q	27.3
Household Selected	1.1	1.4	1.7	Q	Q	Q	Q	Q	Q	Q	1.5	1.9	Q	33.1
Standard with New Home	3.3	4.2	5.0	Q	Q	Q	Q	Q	Q	Q	5.7	7.2	Q	31.4
Purchased Replacement	9.1	11.6	13.1	3.7	4.3	15.2	1.8	1.7	Q	Q	7.9	8.8	Q	17.7
Water Heater Purchased After January 1, 1990														
No	82.4	77.2	73.9	93.6	94.6	85.0	96.8	98.4	86.5	99.7	80.5	76.2	96.7	2.0
Yes	17.6	22.8	26.1	6.4	5.4	15.0	3.2	1.6	13.5	Q	19.5	23.8	Q	14.2
Came with Home Purchase	4.4	5.6	6.7	Q	Q	Q	Q	Q	Q	Q	7.4	9.4	Q	28.5
Household Selected	0.7	1.0	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	39.9
Standard with New Home	3.7	4.6	5.5	Q	Q	Q	Q	Q	Q	Q	7.3	9.2	Q	30.8
Purchased Replacement	13.2	17.2	19.4	6.4	5.0	12.9	3.2	1.4	11.2	Q	12.1	14.5	Q	15.6
Central Air-Conditioning Equipment Purchased After January 1, 1990														
No	91.6	89.0	87.1	98.8	98.9	95.3	99.7	99.1	90.5	100.0	90.2	87.6	100.0	2.0
Yes	8.4	11.0	12.9	Q	Q	Q	Q	Q	Q	Q	9.8	12.4	Q	20.2
Came with Home Purchase	3.4	4.3	5.2	Q	Q	Q	Q	Q	Q	Q	6.0	7.7	Q	32.0
Household Selected	0.6	0.8	1.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	54.9
Standard with New Home	2.8	3.5	4.2	Q	Q	Q	Q	Q	Q	Q	5.0	6.4	Q	35.2
Purchased Replacement	5.0	6.7	7.8	Q	Q	Q	Q	Q	Q	Q	3.7	4.7	Q	26.4
Replaced Central Unit	2.5	3.2	3.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	30.4
Replaced Window Unit	1.0	1.3	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.9
New Additional Unit	0.3	0.4	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	82.2
No Equipment Before	1.3	1.8	2.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	47.9
Refrigerator Purchased After January 1, 1990														
No	83.2	79.7	78.3	86.5	91.9	83.4	93.9	93.2	81.8	94.4	84.0	80.5	97.2	2.2
Yes	16.8	20.3	21.7	13.5	8.1	16.6	6.1	6.8	18.2	5.6	16.0	19.5	Q	11.8
Came with Home Purchase	2.8	3.3	3.8	1.0	Q	Q	Q	0.7	Q	Q	6.2	7.9	Q	28.3
Household Selected	1.4	2.0	2.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	49.0
Standard with New Home	1.4	1.4	1.5	Q	Q	Q	Q	0.6	Q	Q	5.5	6.9	Q	30.8
Purchased Replacement	14.0	17.0	17.9	12.5	7.5	15.1	5.8	6.1	15.2	5.2	9.8	11.6	Q	12.9

See footnotes at end of table.

Table 3.33a. Equipment Purchase by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.3	1.0	1.4	1.9	1.8	1.4	2.8	1.0	1.0	1.1	2.2	
Purchase Considerations (Those who selected for new home or purchased new equipment)														
Price														
Heating Equipment	9.8	8.7	8.3	0.4	0.3	0.2	0.1	0.3	Q	Q	0.5	0.5	Q	18.4
Important	7.3	6.4	6.1	0.3	0.3	0.2	Q	Q	Q	Q	0.5	0.4	Q	21.1
Not Important	2.3	2.1	2.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	30.1
Don't Know	0.2	0.2	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	109.6
Water Heater	13.5	12.2	11.5	0.7	0.4	0.2	0.2	0.2	0.2	Q	0.7	0.6	Q	17.0
Important	9.5	8.7	8.2	0.5	0.3	Q	Q	Q	Q	Q	0.4	0.4	Q	18.2
Not Important	3.7	3.2	3.1	0.1	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	29.1
Don't Know	0.3	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	89.3
Central Air-Conditioning	5.5	5.0	4.9	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	26.0
Important	4.2	3.8	3.7	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	25.4
Not Important	1.1	1.1	1.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	53.8
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	12.7	11.3	1.4	0.6	0.2	0.4	1.0	0.2	0.8	0.6	0.6	Q	14.3
Important	12.4	10.7	9.5	1.2	0.5	0.2	0.3	0.7	0.2	0.5	0.5	0.4	Q	16.4
Not Important	2.2	1.8	1.7	Q	Q	Q	Q	0.2	Q	Q	0.1	0.1	Q	35.4
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	102.7
Energy Efficiency														
Heating Equipment	9.8	8.7	8.3	0.4	0.3	0.2	0.1	0.3	Q	Q	0.5	0.5	Q	18.4
Important	8.9	8.0	7.7	0.3	0.3	0.2	Q	0.2	Q	Q	0.4	0.4	Q	20.4
Not Important	0.7	0.5	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.0
Don't Know	0.3	0.2	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	112.1
Water Heater	13.5	12.2	11.5	0.7	0.4	0.2	0.2	0.2	0.2	Q	0.7	0.6	Q	17.0
Important	11.7	10.6	10.1	0.5	0.3	0.2	Q	0.2	Q	Q	0.6	0.5	Q	18.0
Not Important	1.4	1.2	1.1	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	39.4
Don't Know	0.4	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	89.0
Central Air-Conditioning	5.5	5.0	4.9	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	26.0
Important	5.0	4.6	4.5	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	26.1
Not Important	0.3	0.3	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	85.9
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	12.7	11.3	1.4	0.6	0.2	0.4	1.0	0.2	0.8	0.6	0.6	Q	14.3
Important	12.7	11.0	9.8	1.2	0.5	0.2	0.3	0.7	0.2	0.5	0.4	0.4	Q	15.3
Not Important	1.9	1.6	1.4	0.2	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	36.8
Don't Know	0.3	Q	Q	Q	Q	Q	Q	0.1	Q	0.1	Q	Q	Q	45.0

See footnotes at end of table.

Table 3.33b. Equipment Purchase by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.3	1.1	1.4	1.7	1.8	1.8	2.6	1.7	1.0	1.0	0.9	
Purchase Considerations (Those who selected for new home or purchased new equipment)														
Price														
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	Q	100.0	100.0	Q	NE
Important	74.0	73.8	74.3	64.0	73.8	84.1	Q	Q	Q	Q	85.7	87.6	Q	9.2
Not Important	23.7	24.3	24.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	24.6
Don't Know	2.4	1.9	1.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	99.4
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	Q	100.0	100.0	Q	NE
Important	70.8	71.4	71.1	76.3	70.8	Q	Q	Q	Q	Q	63.2	61.0	Q	10.0
Not Important	27.1	26.5	27.1	16.4	Q	Q	Q	Q	Q	Q	36.8	39.0	Q	23.1
Don't Know	2.1	2.1	1.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	80.1
Central Air-Conditioning	100.0	100.0	100.0	Q	Q	Q	Q	Q	Q	Q	100.0	100.0	Q	NE
Important	77.6	76.2	76.5	Q	Q	Q	Q	Q	Q	Q	92.2	92.2	Q	8.9
Not Important	20.1	21.2	21.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.4
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	NE
Important	83.3	84.8	84.6	86.6	78.2	85.1	73.8	70.7	81.2	67.5	78.4	79.6	Q	7.1
Not Important	14.8	14.3	14.9	Q	Q	Q	Q	18.0	Q	Q	19.2	20.4	Q	31.2
Don't Know	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	95.4
Energy Efficiency														
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	Q	100.0	100.0	Q	NE
Important	90.7	92.5	93.3	76.9	81.9	93.3	Q	66.0	Q	Q	79.5	80.7	Q	6.8
Not Important	6.7	5.6	5.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.6
Don't Know	2.6	1.9	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	102.2
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	100.0	100.0	Q	NE
Important	86.5	87.2	88.3	69.1	83.5	95.6	Q	71.6	Q	Q	81.3	80.2	Q	6.4
Not Important	10.5	10.1	9.9	Q	Q	Q	Q	Q	Q	Q	18.7	19.8	Q	36.1
Don't Know	3.0	2.8	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	79.5
Central Air-Conditioning	100.0	100.0	100.0	Q	Q	Q	Q	Q	Q	Q	100.0	100.0	Q	NE
Important	92.2	92.5	92.7	Q	Q	Q	Q	Q	Q	Q	93.2	93.2	Q	6.2
Not Important	5.9	5.5	5.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	74.8
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	NE
Important	85.2	86.7	87.0	84.1	86.9	93.1	83.0	70.8	83.4	66.9	76.5	79.0	Q	6.2
Not Important	12.8	12.5	12.3	13.7	Q	Q	Q	Q	Q	Q	21.1	21.0	Q	32.3
Don't Know	1.9	Q	Q	Q	Q	Q	Q	14.0	Q	18.3	Q	Q	Q	34.3

See footnotes at end of table.

Table 3.33a. Equipment Purchase by Type and Ownership of Housing Unit, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily						Mobile Home			
		Total	Own	Rent	Two to Four Units			Five or More Units			Total	Own		Rent
					Total	Own	Rent	Total	Own	Rent				
RSE Column Factor:	0.3	0.3	0.3	1.0	1.4	1.9	1.8	1.4	2.8	1.0	1.0	1.1	2.2	
Purchase Considerations (Those who selected for new home or purchased new equipment)														
Rebate/Financing														
Heating Equipment	9.8	8.7	8.3	0.4	0.3	0.2	0.1	0.3	Q	Q	0.5	0.5	Q	18.4
Important	2.1	1.9	1.9	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	Q	33.5
Not Important	7.1	6.4	6.2	0.2	0.2	Q	Q	0.2	Q	Q	0.3	0.3	Q	21.2
Don't Know	0.6	0.4	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	76.8
Water Heater	13.5	12.2	11.5	0.7	0.4	0.2	0.2	0.2	0.2	Q	0.7	0.6	Q	17.0
Important	2.6	2.2	2.1	0.1	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	34.4
Not Important	10.4	9.5	9.1	0.5	0.2	Q	Q	0.2	Q	Q	0.5	0.5	Q	20.5
Don't Know	0.5	0.5	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	88.5
Central Air-Conditioning	5.5	5.0	4.9	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	26.0
Important	1.2	1.1	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.4
Not Important	4.0	3.6	3.6	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	28.8
Don't Know	0.3	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	115.2
Reputation of Manufacturer														
Heating Equipment	9.8	8.7	8.3	0.4	0.3	0.2	0.1	0.3	Q	Q	0.5	0.5	Q	18.4
Important	7.4	6.7	6.5	Q	0.2	Q	Q	0.2	Q	Q	0.3	0.3	Q	22.5
Not Important	2.1	1.7	1.6	0.2	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	30.2
Don't Know	0.4	0.3	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	85.3
Central Air-Conditioning	5.5	5.0	4.9	Q	Q	Q	Q	Q	Q	Q	0.3	0.3	Q	26.0
Important	4.6	4.2	4.1	Q	Q	Q	Q	Q	Q	Q	0.2	0.2	Q	28.4
Not Important	0.7	0.6	0.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.7
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability														
Water Heater	13.5	12.2	11.5	0.7	0.4	0.2	0.2	0.2	0.2	Q	0.7	0.6	Q	17.0
Important	11.6	10.5	9.8	0.6	0.4	0.2	Q	0.2	Q	Q	0.6	0.6	Q	17.9
Not Important	1.7	1.6	1.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.0
Don't Know	0.2	0.2	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	113.4
Refrigerator	14.9	12.7	11.3	1.4	0.6	0.2	0.4	1.0	0.2	0.8	0.6	0.6	Q	14.3
Important	11.7	10.2	9.1	1.1	0.4	0.1	0.2	0.7	Q	0.5	0.5	0.5	Q	15.9
Not Important	2.9	2.3	2.1	0.2	0.2	Q	Q	Q	Q	Q	0.1	0.1	Q	31.4
Don't Know	0.3	0.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	92.0
Size														
Refrigerator	14.9	12.7	11.3	1.4	0.6	0.2	0.4	1.0	0.2	0.8	0.6	0.6	Q	14.3
Important	13.6	11.8	10.5	1.3	0.5	0.2	0.3	0.8	0.2	0.6	0.5	0.5	Q	15.0
Not Important	1.1	0.8	0.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.9
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	108.5

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: • "Important" combines responses of "Very Important" and "Somewhat Important." • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.33b. Equipment Purchase by Type and Ownership of Housing Unit, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Type and Ownership of Housing Unit												RSE Row Factors	
	Total	Single-Family			Multifamily			Mobile Home						
		Total	Own	Rent	Two to Four Units		Five or More Units		Total	Own	Rent			
					Total	Own	Rent	Total				Own		Rent
RSE Column Factor:	0.3	0.3	0.3	1.1	1.4	1.7	1.8	1.8	2.6	1.7	1.0	1.0	0.9	
Purchase Considerations (Those who selected for new home or purchased new equipment)														
Rebate/Financing														
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	Q	100.0	100.0	Q	NE
Important	21.8	21.8	22.6	Q	Q	Q	Q	Q	Q	Q	22.1	21.7	Q	29.4
Not Important	72.5	73.5	74.4	56.6	50.8	Q	Q	84.9	Q	Q	62.1	60.7	Q	12.1
Don't Know	5.7	4.6	3.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	69.7
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	100.0	100.0	Q	NE
Important	18.9	17.9	17.9	18.8	Q	Q	Q	Q	Q	Q	26.9	25.8	Q	31.4
Not Important	77.3	78.3	79.0	66.6	49.5	Q	Q	82.8	Q	Q	73.1	74.2	Q	10.5
Don't Know	3.8	3.8	3.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	78.5
Central Air-Conditioning	100.0	100.0	100.0	Q	Q	Q	Q	Q	Q	Q	100.0	100.0	Q	NE
Important	22.1	22.5	23.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.1
Not Important	72.9	72.3	73.7	Q	Q	Q	Q	Q	Q	Q	74.5	74.5	Q	12.6
Don't Know	5.0	5.2	3.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	102.3
Reputation of Manufacturer														
Heating Equipment	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	Q	100.0	100.0	Q	NE
Important	74.9	76.9	78.5	Q	54.7	Q	Q	70.9	Q	Q	57.2	58.3	Q	11.6
Not Important	21.1	20.1	19.2	38.6	Q	Q	Q	Q	Q	Q	35.3	33.4	Q	27.2
Don't Know	4.1	3.0	2.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	78.0
Central Air-Conditioning	100.0	100.0	100.0	Q	Q	Q	Q	Q	Q	Q	100.0	100.0	Q	NE
Important	84.0	84.6	84.6	Q	Q	Q	Q	Q	Q	Q	72.9	72.9	Q	10.5
Not Important	13.7	12.9	13.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	50.6
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability														
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	100.0	100.0	Q	NE
Important	85.8	85.8	85.8	86.4	89.5	89.5	Q	73.2	Q	Q	88.6	87.9	Q	6.3
Not Important	12.8	12.7	13.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	34.8
Don't Know	1.3	1.5	1.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	101.1
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	NE
Important	78.5	80.5	80.5	81.1	57.2	52.0	60.4	65.7	Q	65.9	78.7	82.1	Q	8.3
Not Important	19.2	18.3	18.7	15.8	38.1	Q	Q	Q	Q	Q	14.4	15.3	Q	26.3
Don't Know	2.3	1.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	84.6
Size														
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Q	NE
Important	91.5	93.2	93.5	90.9	86.6	93.1	82.5	79.3	100.0	72.9	80.4	83.9	Q	4.8
Not Important	7.1	6.4	6.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	47.1
Don't Know	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	101.2

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: • "Important" combines responses of "Very Important" and "Somewhat Important." • 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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.34a. Equipment Purchase by Family Income, Million U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.2	1.6	1.2	0.9	0.9	0.8	0.7	1.3	1.1	0.8	
Total	96.6	4.1	10.6	11.1	18.4	14.1	17.5	21.0	14.4	19.4	30.7	3.4
Main Heating System Purchased After January 1, 1990												
No	83.6	4.0	9.8	10.2	16.5	11.9	14.5	16.9	13.4	17.9	28.2	3.6
Yes	13.0	0.1	0.8	1.0	1.9	2.2	3.0	4.0	1.0	1.4	2.5	11.6
Came with Home Purchase	4.2	Q	0.1	0.2	0.5	0.7	1.2	1.5	0.2	0.2	0.4	20.6
Household Selected	1.0	Q	Q	Q	0.2	0.2	0.3	0.3	Q	Q	0.1	27.5
Standard with New Home	3.2	Q	0.1	0.1	0.3	0.5	0.9	1.2	0.1	0.2	0.3	23.5
Purchased Replacement	8.8	Q	0.7	0.8	1.5	1.5	1.8	2.5	0.8	1.2	2.1	12.1
Water Heater Purchased After January 1, 1990												
No	79.6	3.7	9.6	9.6	15.6	11.2	13.8	15.9	13.1	17.3	27.2	3.8
Yes	17.0	0.3	1.0	1.5	2.7	2.8	3.6	5.0	1.3	2.1	3.5	10.0
Came with Home Purchase	4.2	Q	Q	0.2	0.5	0.7	1.3	1.4	0.2	0.2	0.4	20.0
Household Selected	0.7	Q	Q	Q	0.1	0.1	0.2	0.2	Q	Q	0.1	34.9
Standard with New Home	3.5	Q	Q	0.2	0.4	0.6	1.1	1.2	0.1	0.2	0.3	22.0
Purchased Replacement	12.8	0.3	1.0	1.2	2.2	2.1	2.3	3.6	1.1	1.8	3.1	10.9
Central Air-Conditioning Equipment Purchased After January 1, 1990												
No	88.5	4.0	10.3	10.8	17.3	12.6	15.5	18.0	14.2	19.1	29.8	3.4
Yes	8.1	Q	0.2	0.4	1.0	1.4	2.0	3.0	0.2	0.3	0.8	17.0
Came with Home Purchase	3.3	Q	Q	0.1	0.4	0.5	1.0	1.2	0.1	0.1	0.2	22.7
Household Selected	0.6	Q	Q	Q	0.1	Q	0.1	0.3	Q	Q	Q	34.9
Standard with New Home	2.7	Q	Q	0.1	0.2	0.5	0.9	0.9	Q	0.1	0.2	24.8
Purchased Replacement	4.9	Q	0.2	0.2	0.7	0.9	1.0	1.8	0.1	0.2	0.6	21.4
Replaced Central Unit	2.4	Q	Q	Q	0.3	0.4	0.5	1.0	Q	Q	0.2	25.9
Replaced Window Unit	0.9	Q	Q	Q	Q	Q	Q	0.3	Q	Q	Q	41.6
New Additional Unit	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	58.8
No Equipment Before	1.3	Q	Q	Q	0.2	0.3	0.3	0.4	Q	Q	0.2	35.2
Refrigerator Purchased After January 1, 1990												
No	80.4	3.6	9.8	9.8	15.7	11.6	13.7	16.3	12.9	17.1	26.9	3.5
Yes	16.2	0.4	0.8	1.4	2.7	2.4	3.8	4.7	1.5	2.2	3.8	8.9
Came with Home Purchase	2.7	Q	Q	0.2	0.4	0.5	0.8	0.8	0.1	0.2	0.3	22.5
Household Selected	1.4	Q	Q	Q	0.1	0.2	0.4	0.5	Q	0.1	0.1	35.0
Standard with New Home	1.4	Q	Q	0.1	0.2	0.3	0.4	0.3	0.1	0.1	0.2	27.4
Purchased Replacement	13.5	0.4	0.8	1.2	2.3	2.0	3.0	3.9	1.4	2.0	3.5	9.7

See footnotes at end of table.

Table 3.34b. Equipment Purchase by Family Income, Percent of U.S. Households, 1993

Equipment Purchase and Purchase Considerations	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors	
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent			
		0.4	2.1	1.6	1.3	0.9	0.9	0.7	0.7	1.3			1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0
Main Heating System Purchased After January 1, 1990													
No	86.5	97.4	92.4	91.4	89.6	84.4	82.9	80.7	93.3	92.5	91.9	1.2	
Yes	13.5	2.6	7.6	8.6	10.4	15.6	17.1	19.3	6.7	7.5	8.1	11.2	
Came with Home Purchase	4.4	Q	1.0	1.4	2.5	5.1	7.1	7.2	1.1	1.2	1.2	20.6	
Household Selected	1.1	Q	Q	Q	1.0	1.2	1.8	1.5	Q	Q	0.2	27.4	
Standard with New Home	3.3	Q	0.9	1.1	1.5	3.9	5.3	5.7	1.0	1.0	1.0	23.4	
Purchased Replacement	9.1	Q	6.7	7.2	7.9	10.5	10.1	12.0	5.6	6.3	6.9	11.6	
Water Heater Purchased After January 1, 1990													
No	82.4	92.2	90.4	86.7	85.1	80.1	79.3	75.9	90.9	89.3	88.5	1.5	
Yes	17.6	7.8	9.6	13.3	14.9	19.9	20.7	24.1	9.1	10.7	11.5	9.7	
Came with Home Purchase	4.4	Q	Q	2.1	2.8	4.8	7.3	6.8	1.2	1.2	1.3	19.9	
Household Selected	0.7	Q	Q	Q	0.7	0.6	1.3	1.0	Q	Q	0.2	34.8	
Standard with New Home	3.7	Q	Q	1.9	2.1	4.2	6.1	5.8	1.0	1.0	1.1	21.9	
Purchased Replacement	13.2	7.0	9.2	11.2	12.1	15.1	13.4	17.2	7.9	9.5	10.1	10.6	
Central Air-Conditioning Equipment Purchased After January 1, 1990													
No	91.6	98.7	97.7	96.9	94.4	89.8	88.5	85.6	98.6	98.6	97.3	1.8	
Yes	8.4	Q	2.3	3.1	5.6	10.2	11.5	14.4	1.4	1.4	2.7	16.4	
Came with Home Purchase	3.4	Q	Q	1.0	2.0	3.8	5.8	5.6	0.6	0.6	0.7	22.4	
Household Selected	0.6	Q	Q	Q	0.7	Q	0.6	1.2	Q	Q	Q	34.9	
Standard with New Home	2.8	Q	Q	0.8	1.3	3.3	5.2	4.4	Q	0.5	0.6	24.6	
Purchased Replacement	5.0	Q	2.0	2.1	3.6	6.4	5.6	8.8	0.8	0.8	2.0	20.8	
Replaced Central Unit	2.5	Q	Q	Q	1.6	3.0	2.6	4.8	Q	Q	0.8	25.4	
Replaced Window Unit	1.0	Q	Q	Q	Q	Q	Q	1.6	Q	Q	Q	41.2	
New Additional Unit	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	56.7	
No Equipment Before	1.3	Q	Q	Q	1.0	1.9	1.5	2.0	Q	Q	0.5	34.9	
Refrigerator Purchased After January 1, 1990													
No	83.2	89.3	92.3	87.8	85.4	82.6	78.4	77.6	89.6	88.4	87.6	1.3	
Yes	16.8	10.7	7.7	12.2	14.6	17.4	21.6	22.4	10.4	11.6	12.4	8.0	
Came with Home Purchase	2.8	Q	Q	1.5	2.0	3.4	4.6	4.0	0.8	1.1	1.1	22.2	
Household Selected	1.4	Q	Q	Q	0.7	1.5	2.5	2.4	Q	0.5	0.4	34.9	
Standard with New Home	1.4	Q	Q	0.8	1.2	1.9	2.2	1.6	0.6	0.5	0.7	26.9	
Purchased Replacement	14.0	9.4	7.4	10.8	12.7	14.0	17.0	18.4	9.6	10.5	11.3	8.9	

See footnotes at end of table.

Table 3.34a. Equipment Purchase by Family Income, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
		0.4	2.2	1.6	1.2	0.9	0.9	0.8	0.7	1.3		
Purchase Considerations (Those who selected for new home or purchased new equipment)												
Price												
Heating Equipment	9.8	Q	0.7	0.8	1.6	1.6	2.1	2.8	0.8	1.3	2.2	11.4
Important	7.3	Q	0.6	0.6	1.2	1.2	1.5	2.1	0.6	1.0	1.7	13.4
Not Important	2.3	Q	Q	0.2	0.3	0.4	0.6	0.7	0.1	0.2	0.5	24.8
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	66.7
Water Heater	13.5	0.3	1.0	1.3	2.4	2.2	2.6	3.8	1.2	1.9	3.2	10.6
Important	9.5	0.2	0.7	0.9	1.8	1.6	1.9	2.5	0.8	1.4	2.4	12.0
Not Important	3.7	Q	0.3	0.3	0.5	0.6	0.6	1.2	0.3	0.4	0.7	20.1
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	60.2
Central Air-Conditioning	5.5	Q	0.2	0.3	0.8	1.0	1.1	2.1	0.1	0.2	0.7	19.8
Important	4.2	Q	Q	0.2	0.6	0.7	0.9	1.7	Q	0.1	0.5	20.0
Not Important	1.1	Q	Q	Q	0.2	0.2	0.2	0.4	Q	Q	0.2	36.0
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	0.4	0.8	1.3	2.5	2.2	3.4	4.4	1.4	2.1	3.6	9.3
Important	12.4	0.4	0.6	1.1	2.0	1.8	2.9	3.6	1.2	1.8	3.1	10.4
Not Important	2.2	Q	0.2	Q	0.4	0.4	0.4	0.7	0.2	0.3	0.4	24.4
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.8
Energy Efficiency												
Heating Equipment	9.8	Q	0.7	0.8	1.6	1.6	2.1	2.8	0.8	1.3	2.2	11.4
Important	8.9	Q	0.6	0.7	1.5	1.5	2.0	2.6	0.6	1.0	1.9	12.5
Not Important	0.7	Q	Q	Q	0.1	Q	Q	0.2	0.1	0.1	0.2	37.2
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.1	51.7
Water Heater	13.5	0.3	1.0	1.3	2.4	2.2	2.6	3.8	1.2	1.9	3.2	10.6
Important	11.7	0.2	0.8	1.0	2.1	2.0	2.2	3.4	0.8	1.5	2.6	11.6
Not Important	1.4	Q	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	26.0
Don't Know	0.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.1	49.5
Central Air-Conditioning	5.5	Q	0.2	0.3	0.8	1.0	1.1	2.1	0.1	0.2	0.7	19.8
Important	5.0	Q	0.2	0.2	0.7	0.9	1.1	1.9	0.1	0.1	0.6	20.9
Not Important	0.3	Q	Q	Q	Q	Q	Q	0.2	Q	Q	Q	57.5
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	14.9	0.4	0.8	1.3	2.5	2.2	3.4	4.4	1.4	2.1	3.6	9.3
Important	12.7	0.4	0.5	1.0	2.1	1.9	3.0	3.9	1.1	1.7	2.9	10.2
Not Important	1.9	Q	0.2	0.2	0.3	0.3	0.4	0.5	0.2	0.3	0.6	25.6
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.1	50.6

See footnotes at end of table.

Table 3.34b. Equipment Purchase by Family Income, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Per-cent	125 Per-cent		
		0.4	2.1	1.6	1.3	0.9	0.9	0.7	0.7	1.3		
Purchase Considerations (Those who selected for new home or purchased new equipment)												
Price												
Heating Equipment	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	74.0	Q	88.8	72.3	75.9	72.6	70.5	73.1	78.9	81.9	76.0	6.4
Not Important	23.7	Q	Q	25.4	18.0	26.7	28.4	24.7	17.9	16.0	20.7	22.4
Don't Know	2.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	63.9
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	70.8	71.3	68.5	69.7	77.4	70.5	73.4	66.0	72.0	73.4	75.2	6.5
Not Important	27.1	Q	29.3	26.2	19.7	28.6	24.1	32.6	26.1	23.8	21.7	17.0
Don't Know	2.1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	57.3
Central Air-Conditioning	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	77.6	Q	Q	88.3	69.8	69.2	82.4	80.2	Q	77.5	74.7	10.3
Not Important	20.1	Q	Q	Q	24.2	25.0	16.2	19.4	Q	Q	24.0	31.4
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	83.3	91.2	72.8	87.3	82.6	81.8	86.6	82.1	82.1	84.7	85.6	4.2
Not Important	14.8	Q	20.5	Q	14.9	16.9	12.2	17.0	12.8	12.0	11.3	23.0
Don't Know	1.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	67.4
Energy Efficiency												
Heating Equipment	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	90.7	Q	88.7	82.2	88.7	89.5	96.1	92.3	77.0	82.2	84.9	4.2
Not Important	6.7	Q	Q	Q	6.0	Q	Q	6.4	16.4	11.7	9.8	36.0
Don't Know	2.6	Q	Q	Q	Q	Q	Q	Q	Q	Q	5.4	49.9
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	86.5	60.5	77.7	81.0	87.5	89.3	87.6	89.6	73.2	79.8	82.4	4.7
Not Important	10.5	Q	18.7	11.9	8.8	9.3	9.6	8.2	22.3	15.7	12.9	25.5
Don't Know	3.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	4.6	47.3
Central Air-Conditioning	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	92.2	Q	100.0	95.8	84.8	90.3	97.7	92.6	80.3	85.4	88.7	5.8
Not Important	5.9	Q	Q	Q	Q	Q	Q	7.4	Q	Q	Q	54.3
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	85.2	90.0	65.0	78.5	85.6	84.9	87.5	88.7	78.6	80.8	80.3	4.4
Not Important	12.8	Q	28.3	15.9	12.5	12.8	11.2	11.0	15.5	14.3	15.9	23.2
Don't Know	1.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	3.8	50.4

See footnotes at end of table.

Table 3.34a. Equipment Purchase by Family Income, Million U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.2	1.6	1.2	0.9	0.9	0.8	0.7	1.3	1.1	0.8	
Purchase Considerations (Those who selected for new home or purchased new equipment)												
Rebate/Financing												
Heating Equipment	9.8	Q	0.7	0.8	1.6	1.6	2.1	2.8	0.8	1.3	2.2	11.4
Important	2.1	Q	0.2	0.2	0.4	0.4	0.6	0.4	0.3	0.3	0.6	21.7
Not Important	7.1	Q	0.3	0.6	1.1	1.2	1.4	2.4	0.5	0.8	1.4	14.2
Don't Know	0.6	Q	Q	Q	Q	Q	Q	Q	Q	0.1	0.3	37.1
Water Heater	13.5	0.3	1.0	1.3	2.4	2.2	2.6	3.8	1.2	1.9	3.2	10.6
Important	2.6	Q	0.3	0.3	0.4	0.4	0.4	0.7	0.3	0.5	0.8	21.8
Not Important	10.4	0.2	0.7	0.8	1.9	1.7	2.1	3.0	0.8	1.2	2.2	12.4
Don't Know	0.5	Q	Q	Q	Q	Q	Q	Q	Q	0.1	0.2	38.9
Central Air-Conditioning	5.5	Q	0.2	0.3	0.8	1.0	1.1	2.1	0.1	0.2	0.7	19.8
Important	1.2	Q	Q	Q	0.2	0.2	0.2	0.5	Q	Q	0.2	31.1
Not Important	4.0	Q	Q	0.1	0.6	0.7	0.8	1.6	Q	Q	0.3	21.0
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	77.0
Reputation of Manufacturer												
Heating Equipment	9.8	Q	0.7	0.8	1.6	1.6	2.1	2.8	0.8	1.3	2.2	11.4
Important	7.4	Q	0.5	0.6	1.1	1.2	1.7	2.2	0.5	0.8	1.6	14.1
Not Important	2.1	Q	Q	0.2	0.4	0.4	0.4	0.6	0.2	0.3	0.5	23.4
Don't Know	0.4	Q	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	38.3
Central Air-Conditioning	5.5	Q	0.2	0.3	0.8	1.0	1.1	2.1	0.1	0.2	0.7	19.8
Important	4.6	Q	0.2	0.2	0.6	0.8	0.9	1.8	Q	0.1	0.6	21.4
Not Important	0.7	Q	Q	Q	0.1	Q	0.1	0.3	Q	Q	Q	40.6
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability												
Water Heater	13.5	0.3	1.0	1.3	2.4	2.2	2.6	3.8	1.2	1.9	3.2	10.6
Important	11.6	0.2	0.9	1.1	2.1	1.8	2.3	3.1	1.0	1.6	2.9	11.4
Not Important	1.7	Q	Q	Q	0.2	0.4	0.2	0.7	0.1	0.2	0.3	27.0
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	76.8
Refrigerator	14.9	0.4	0.8	1.3	2.5	2.2	3.4	4.4	1.4	2.1	3.6	9.3
Important	11.7	0.3	0.6	1.1	2.0	1.7	2.6	3.4	1.1	1.7	2.8	10.8
Not Important	2.9	Q	Q	Q	0.4	0.4	0.7	1.0	0.2	0.3	0.6	22.6
Don't Know	0.3	Q	Q	Q	Q	Q	Q	Q	0.1	0.1	0.1	35.8
Size												
Refrigerator	14.9	0.4	0.8	1.3	2.5	2.2	3.4	4.4	1.4	2.1	3.6	9.3
Important	13.6	0.4	0.5	1.2	2.2	2.0	3.1	4.2	1.2	1.8	3.1	10.2
Not Important	1.1	Q	0.2	Q	0.2	Q	0.2	0.2	0.2	0.2	0.4	29.9
Don't Know	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	71.7

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

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)

Table 3.34b. Equipment Purchase by Family Income, Percent of U.S. Households, 1993 (Continued)

Equipment Purchase and Purchase Considerations	Total	1993 Family Income							Below Poverty Line		Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or More	100 Percent	125 Percent		
RSE Column Factor:	0.4	2.1	1.6	1.3	0.9	0.9	0.7	0.7	1.3	1.1	0.9	
Purchase Considerations (Those who selected for new home or purchased new equipment)												
Rebate/Financing												
Heating Equipment	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	21.8	Q	33.9	20.1	24.7	22.0	27.3	13.4	31.3	26.5	25.5	19.9
Not Important	72.5	Q	45.6	68.6	68.8	75.8	68.9	83.4	57.5	61.9	62.0	7.9
Don't Know	5.7	Q	Q	Q	Q	Q	Q	Q	Q	11.5	12.5	34.5
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	18.9	Q	25.9	25.6	16.0	18.7	15.3	19.1	25.4	27.1	24.8	19.4
Not Important	77.3	75.2	68.8	65.5	78.9	78.2	81.8	78.9	67.7	65.3	68.2	6.3
Don't Know	3.8	Q	Q	Q	Q	Q	Q	Q	Q	7.6	6.9	36.9
Central Air-Conditioning	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	22.1	Q	Q	Q	22.1	17.3	20.8	22.9	Q	Q	32.9	29.0
Not Important	72.9	Q	Q	54.3	70.1	76.7	77.7	76.0	Q	Q	47.9	11.3
Don't Know	5.0	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	73.0
Reputation of Manufacturer												
Heating Equipment	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	74.9	Q	76.7	67.3	69.8	73.4	80.1	77.0	65.2	66.9	71.4	7.0
Not Important	21.1	Q	Q	25.3	22.8	25.4	17.5	19.6	23.3	24.3	22.4	21.3
Don't Know	4.1	Q	Q	Q	Q	Q	Q	Q	Q	8.8	6.2	38.8
Central Air-Conditioning	100.0	Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	84.0	Q	96.8	78.7	76.9	86.2	85.6	84.9	Q	74.5	86.0	7.4
Not Important	13.7	Q	Q	Q	17.1	Q	12.9	14.1	Q	Q	Q	38.7
Don't Know	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Availability												
Water Heater	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	85.8	85.1	91.4	87.9	87.2	82.8	90.8	81.4	85.7	87.8	90.0	3.8
Not Important	12.8	Q	Q	Q	10.5	16.2	8.9	17.2	12.4	10.5	8.7	26.0
Don't Know	1.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	72.5
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	78.5	74.3	76.6	83.4	80.6	78.8	77.4	77.4	80.4	81.0	78.7	5.2
Not Important	19.2	Q	Q	Q	18.1	16.6	21.1	22.1	12.2	13.9	17.7	21.2
Don't Know	2.3	Q	Q	Q	Q	Q	Q	Q	7.3	5.1	3.6	35.5
Size												
Refrigerator	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NE
Important	91.5	91.2	66.9	90.9	90.2	93.1	92.4	95.4	82.2	85.3	87.5	3.4
Not Important	7.1	Q	26.4	Q	8.5	Q	6.4	4.6	12.3	11.1	9.8	29.2
Don't Know	1.4	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	71.5

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

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

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 1993 Residential Energy Consumption Survey. (For specific titles of forms, see Appendix D.)