

Table 5.5. U.S. Vehicle Fuel Efficiency by Model Year, 1994
(Miles per Gallon)

1993 Household and 1994 Vehicle Characteristics	All Model Years	Model Year									RSE Row Factor:
		1994 to 1995	1993	1992	1989 to 1991	1986 to 1988	1983 to 1985	1980 to 1982	1977 to 1979	1976 or Earlier	
		0.5	1.4	1.2	1.1	0.8	0.8	0.9	1.3	1.1	
RSE Column Factor:	0.5	1.4	1.2	1.1	0.8	0.8	0.9	1.3	1.1	1.4	
Household Characteristics											
Total	19.8	20.5	21.4	21.5	21.1	21.7	20.3	19.3	13.9	12.2	1.1
Census Region and Division											
Northeast	20.7	20.7	21.5	21.9	21.5	22.1	21.0	20.3	14.4	12.2	2.7
New England	20.4	Q	Q	23.1	21.1	22.1	19.9	Q	Q	Q	3.3
Middle Atlantic	20.8	21.5	22.0	21.3	21.6	22.1	21.5	20.4	14.6	11.9	3.3
Midwest	20.1	21.3	21.9	22.6	21.1	21.8	20.2	19.2	14.3	11.7	2.0
East North Central	20.1	21.1	22.3	22.2	21.3	21.8	19.7	19.4	14.3	11.9	2.4
West North Central	20.0	21.8	21.2	23.7	20.4	21.6	21.5	19.0	14.3	11.4	3.2
South	19.6	20.3	21.4	20.4	21.0	21.6	19.6	18.7	13.8	12.4	1.9
South Atlantic	20.2	20.5	21.6	20.2	21.6	21.9	20.5	19.3	14.1	13.0	2.6
East South Central	19.0	21.0	20.5	20.9	21.5	22.1	18.7	17.7	13.6	11.5	4.2
West South Central	18.9	19.4	21.5	20.3	19.8	20.9	18.8	18.7	13.6	12.6	3.4
West	19.1	19.1	21.0	21.3	20.8	21.2	21.1	19.6	13.3	12.2	2.6
Mountain	17.9	Q	18.6	20.1	19.0	20.7	19.8	18.5	13.9	12.0	5.2
Pacific	19.7	18.4	22.1	22.3	21.9	21.3	21.7	19.9	13.0	12.4	2.7
Largest Populated States											
California	19.8	Q	23.5	22.0	22.2	21.1	21.8	19.1	13.1	11.9	2.8
Florida	20.3	21.6	21.3	20.6	21.1	20.7	20.8	19.7	14.2	Q	3.3
New York	20.9	21.5	21.8	21.0	22.2	22.4	20.1	Q	Q	Q	3.9
Texas	18.8	19.7	21.8	20.3	19.3	20.9	19.0	19.3	13.7	13.3	3.9
Urban Status											
Urban	20.1	20.7	21.8	21.6	21.4	21.9	20.5	19.7	14.0	12.3	1.3
Central City	20.2	21.4	21.4	21.8	21.5	22.1	20.9	20.0	14.3	12.1	2.3
Suburban	20.1	20.4	22.0	21.5	21.3	21.8	20.3	19.6	13.8	12.4	1.7
Rural	18.8	20.0	20.0	21.0	20.2	20.9	19.7	18.0	13.6	11.9	2.3
Household Size											
1 Person	20.5	22.1	23.5	21.7	21.8	21.6	21.3	19.5	14.6	12.6	3.4
2 Persons	19.7	20.0	21.2	21.5	21.4	21.6	19.7	18.9	13.7	12.3	1.9
3 Persons	20.1	20.4	21.7	21.6	21.5	21.9	20.8	19.9	14.2	12.7	2.5
4 Persons	19.6	20.2	20.6	20.6	20.1	21.3	20.0	19.8	13.6	11.4	2.5
5 Persons	19.4	20.6	20.7	21.3	20.7	21.9	21.5	18.2	13.3	11.7	3.6
6 or More Persons	19.7	Q	Q	Q	20.6	22.3	20.0	19.6	14.1	Q	4.4
Household Composition											
Households with Children	19.7	20.7	20.9	21.4	20.5	21.8	20.6	19.4	14.0	12.0	1.7
Age of Oldest Child											
Under 7 Years	20.0	20.0	21.6	22.4	21.0	21.4	21.6	20.6	13.7	11.5	3.1
7 to 15 Years	19.5	20.2	20.6	21.0	20.1	21.9	20.2	19.3	14.2	11.9	2.4
16 or 17 Years	19.9	22.9	20.9	21.5	20.7	22.2	20.3	18.6	13.8	12.9	3.6
Households Without Children	19.9	20.4	21.9	21.5	21.5	21.5	20.1	19.2	13.8	12.3	1.5
One Adult	20.5	22.1	23.5	21.7	21.8	21.6	21.3	19.5	14.6	12.6	3.4
Age of Householder											
Under 35 Years	21.6	Q	Q	Q	24.1	21.3	23.0	Q	Q	Q	6.9
35 to 59 Years	20.5	Q	Q	Q	20.5	21.7	21.3	Q	Q	Q	5.3
60 Years or More	19.7	Q	22.1	20.6	22.2	21.8	20.3	18.1	14.1	11.6	4.1
Two or More Adults	19.7	19.9	21.3	21.4	21.5	21.5	19.9	19.1	13.6	12.2	1.7
Age of Householder											
Under 35 Years	21.6	21.1	23.1	23.7	23.2	23.2	21.9	21.1	14.9	12.8	4.2
35 to 59 Years	19.5	19.2	21.1	21.0	21.3	21.3	19.5	19.1	13.7	12.1	2.5
60 Years or More	18.8	20.1	20.6	20.8	20.5	20.6	19.3	18.1	13.1	12.1	2.4
Race of Householder											
White	19.8	20.4	21.3	21.3	21.0	21.6	20.2	19.2	14.0	12.2	1.3
Black	19.8	Q	23.1	22.5	22.3	22.5	21.6	18.4	13.5	11.3	3.5
Other	20.5	Q	Q	Q	21.5	22.2	20.9	21.9	Q	Q	5.0

See footnotes at end of table.

Table 5.5. U.S. Vehicle Fuel Efficiency by Model Year, 1994 (Continued)
(Miles per Gallon)

1993 Household and 1994 Vehicle Characteristics	All Model Years	Model Year									RSE Row Factor:
		1994 to 1995	1993	1992	1989 to 1991	1986 to 1988	1983 to 1985	1980 to 1982	1977 to 1979	1976 or Earlier	
		1.4	1.2	1.1	0.8	0.8	0.9	1.3	1.1	1.4	
RSE Column Factor:	0.5	1.4	1.2	1.1	0.8	0.8	0.9	1.3	1.1	1.4	
Hispanic Descent											
Yes	19.7	Q	21.0	21.7	20.7	21.7	20.1	19.7	13.3	13.4	4.1
No	19.8	20.4	21.5	21.4	21.1	21.7	20.3	19.2	13.9	12.1	1.2
1993 Family Income											
Less than \$5,000	20.7	Q	Q	Q	23.2	Q	23.9	Q	Q	Q	8.5
\$5,000 to \$9,999	19.3	Q	Q	Q	24.0	23.5	21.5	17.7	13.5	11.9	4.7
\$10,000 to \$14,999	19.4	Q	Q	24.2	22.7	21.7	21.1	20.1	13.4	12.4	3.4
\$15,000 to \$19,999	19.0	Q	Q	22.1	19.9	22.2	19.6	19.8	13.6	11.8	3.0
\$20,000 to \$24,999	19.8	20.6	23.2	21.5	21.6	22.5	20.5	19.6	13.4	12.2	3.9
\$25,000 to \$34,999	19.6	21.5	21.4	21.6	20.9	21.8	20.2	19.3	14.7	12.5	2.8
\$35,000 to \$49,999	20.0	21.0	22.4	21.1	20.5	21.1	20.1	18.8	13.9	12.4	2.6
\$50,000 to \$74,999	20.4	19.6	21.3	21.8	21.4	21.8	20.1	18.5	13.9	11.8	2.7
\$75,000 or More	19.8	19.6	20.2	20.1	20.6	20.8	19.6	20.2	Q	11.6	3.2
Below Poverty Line											
100 Percent	19.2	Q	Q	22.7	22.4	22.0	22.4	20.1	13.4	12.4	3.4
125 Percent	19.2	Q	20.2	22.7	22.2	22.4	21.4	20.1	13.9	12.2	3.1
150 Percent	19.3	21.6	21.0	23.6	22.0	22.8	20.8	19.9	13.6	11.9	2.9
Eligible for Federal Assistance¹	19.4	21.6	21.4	23.1	22.1	22.4	21.1	19.6	13.6	11.9	2.5
Number of Drivers² (Fall 1993)											
1	20.2	21.7	22.8	21.7	21.6	22.1	21.3	19.7	14.0	12.8	2.4
2	19.6	19.8	20.9	21.4	20.8	21.4	19.9	19.1	13.9	11.9	1.5
3	19.9	22.6	21.2	21.2	21.2	22.1	20.4	19.4	13.3	12.6	3.2
4 or More	20.8	Q	23.1	22.8	21.7	22.1	21.1	19.0	Q	Q	4.6
Age of Primary Driver											
16 to 17 Years	21.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	9.2
18 to 22 Years	22.1	Q	Q	Q	24.2	24.9	22.4	Q	Q	Q	5.2
23 to 29 Years	22.0	22.0	24.0	25.3	22.9	22.4	21.6	Q	Q	Q	4.2
30 to 39 Years	19.7	20.7	21.8	21.9	20.5	21.7	19.5	18.5	13.3	11.5	3.4
40 to 49 Years	19.7	20.0	20.2	20.5	20.6	22.0	18.9	18.1	14.6	12.5	3.0
50 to 59 Years	19.2	19.9	21.5	21.9	20.2	19.9	19.6	18.5	13.6	11.7	3.4
60 to 69 Years	18.7	20.6	20.4	20.4	20.4	20.1	18.6	18.3	13.0	10.4	4.3
70 to 79 Years	18.5	Q	21.1	21.5	19.5	20.4	18.6	18.3	12.4	11.3	4.0
80 Years and Over	17.7	Q	Q	Q	21.2	Q	Q	Q	Q	Q	6.6
Don't Know	19.9	20.4	21.4	21.1	21.5	21.9	21.3	19.9	14.2	12.6	1.9
Sex of Primary Driver											
Female	21.5	22.4	22.2	22.4	22.2	22.3	20.8	18.4	14.9	12.5	2.0
Male	18.5	18.9	20.6	20.8	19.6	20.9	18.7	18.5	13.1	11.7	2.0
Don't Know	19.9	20.4	21.4	21.1	21.5	21.9	21.3	19.9	14.2	12.6	1.9

See footnotes at end of table.

Table 5.5. U.S. Vehicle Fuel Efficiency by Model Year, 1994 (Continued)
(Miles per Gallon)

1993 Household and 1994 Vehicle Characteristics	All Model Years	Model Year									RSE Row Factor:
		1994 to 1995	1993	1992	1989 to 1991	1986 to 1988	1983 to 1985	1980 to 1982	1977 to 1979	1976 or Earlier	
		0.5	1.4	1.2	1.1	0.8	0.8	0.9	1.3	1.1	1.4
RSE Column Factor:											
Average Number of Vehicles per Household During the Year											
Part-Year Vehicle	21.1	Q	Q	Q	Q	23.2	21.6	Q	Q	Q	6.1
Only 1	20.7	20.8	23.0	21.6	22.3	22.5	21.4	19.8	14.1	12.7	2.5
Between 1 and 2	19.7	22.2	20.7	23.8	21.4	20.7	20.8	18.7	13.6	12.5	3.9
Only 2	20.0	20.1	21.7	21.4	21.1	21.7	20.0	19.7	13.9	12.0	2.0
Between 2 and 3	19.1	20.6	19.2	21.7	19.9	21.0	19.8	18.7	13.3	12.1	3.7
Only 3	18.9	20.3	20.7	20.6	20.1	20.7	19.9	18.7	13.8	11.8	2.8
Between 3 and 4	20.3	20.2	21.2	22.6	21.8	22.3	18.8	16.5	14.5	Q	5.2
4 or More	19.5	18.9	21.5	20.6	21.5	21.8	20.8	19.7	14.0	12.7	4.3
<i>Vehicle Characteristics</i>											
Type of Vehicle											
Passenger Car	21.9	23.8	24.1	23.8	23.8	23.7	22.1	20.6	14.9	13.0	1.2
Minivan	19.7	20.1	20.0	19.0	19.6	19.7	19.6	Q	Q	Q	1.5
Sport Utility	16.3	16.8	17.4	17.0	17.0	16.5	16.1	Q	Q	11.2	2.8
Large Van	13.8	Q	Q	Q	15.2	14.7	14.1	Q	Q	Q	4.0
Pickup Truck	16.3	16.7	17.2	17.8	17.4	18.7	17.8	17.3	12.8	11.3	2.2
Other	8.8	Q	Q	Q	Q	Q	Q	Q	Q	Q	10.2
Engine Size (liters)											
2.49 or Less	25.5	26.6	26.5	26.2	25.6	25.5	25.7	24.4	20.2	19.5	1.8
2.50 to 3.49	20.8	21.4	21.1	21.1	21.2	20.8	20.2	19.6	16.1	Q	1.6
3.50 to 4.49	18.8	19.1	19.2	18.9	19.5	20.2	18.5	17.4	15.9	14.1	1.5
4.50 or Greater	14.6	16.2	16.4	16.6	15.8	16.4	16.0	15.1	12.9	11.4	1.7
Number of Cylinders											
4	25.2	26.5	26.5	25.9	25.1	25.3	25.6	24.4	19.7	17.5	1.7
6	19.5	20.2	20.2	19.8	20.3	20.3	19.2	18.0	15.8	13.3	1.4
8	14.8	16.0	16.5	16.9	16.1	16.7	16.1	15.5	12.9	11.3	1.7
Other	25.9	Q	Q	Q	Q	Q	Q	Q	Q	Q	12.8
Type of Transmission											
Automatic	19.1	20.2	20.6	21.0	20.6	20.8	19.2	17.9	13.6	11.9	1.1
Manual Shift	22.0	21.8	24.9	23.2	22.9	24.3	23.7	22.6	15.0	13.1	2.7
Type of Drive											
Front-Wheel	23.4	23.2	23.6	23.4	23.7	24.2	23.8	23.2	14.8	12.7	1.9
Rear-Wheel	17.4	18.3	20.2	19.3	19.2	19.9	18.4	18.1	14.0	12.3	1.7
4-Wheel	16.5	16.0	17.4	17.4	16.5	17.5	17.6	16.9	11.9	10.8	2.5
Type of Fuel System											
Carburetor	18.3	21.4	21.0	20.8	20.8	21.7	19.7	19.2	13.8	12.1	1.9
Fuel Injection	21.3	20.8	21.7	21.6	21.2	21.7	22.0	18.7	14.4	Q	2.1
Diesel Engine	17.6	Q	Q	Q	Q	Q	22.8	24.2	Q	Q	8.7
Type of Fuel Purchased											
Motor Gasoline	19.8	21.0	21.6	21.4	21.1	21.7	20.3	19.2	13.9	12.2	1.2
Unleaded	19.9	21.0	21.6	21.5	21.1	21.7	20.3	19.2	13.9	12.3	1.2
Regular Grade	20.0	21.1	21.7	21.6	21.3	22.3	20.4	19.5	13.9	12.3	1.4
Intermediate Grade	20.3	23.2	21.0	21.9	20.7	21.2	20.1	18.7	14.4	13.3	3.2
Premium Grade	19.3	19.5	21.5	20.8	20.8	20.2	20.1	17.7	13.7	11.6	2.4
Leaded	13.1	Q	Q	Q	Q	Q	Q	Q	Q	11.9	5.7
Gasohol	17.7	Q	Q	Q	Q	Q	Q	Q	Q	Q	8.0
Diesel Fuel	17.8	Q	Q	Q	Q	Q	20.5	Q	Q	Q	13.8

See footnotes at end of table.

Table 5.5. U.S. Vehicle Fuel Efficiency by Model Year, 1994 (Continued)
(Miles per Gallon)

1993 Household and 1994 Vehicle Characteristics	All Model Years	Model Year									RSE Row Factor:
		1994 to 1995	1993	1992	1989 to 1991	1986 to 1988	1983 to 1985	1980 to 1982	1977 to 1979	1976 or Earlier	
		0.5	1.4	1.2	1.1	0.8	0.8	0.9	1.3	1.1	1.4
RSE Column Factor:											
Type of Primary Service											
Full-Service Pumps	20.2	22.4	22.1	21.3	21.3	21.7	21.4	20.2	13.5	11.3	3.4
Self or Mini-Service Pumps	19.8	20.3	21.4	21.4	21.1	21.7	20.2	19.3	13.9	12.3	1.2
Both Equally	18.8	Q	Q	Q	19.6	19.9	20.7	Q	Q	Q	8.0
Bulk Sales/Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Vehicle Used for Commuting to and from Work											
Yes	20.2	20.7	21.9	21.7	21.4	21.9	20.6	19.2	14.0	12.1	1.4
No	19.1	20.1	20.5	20.9	20.5	21.3	19.9	19.4	13.7	12.3	1.9

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

² Approximately 0.5 percent of the vehicle stock was owned by households that had no drivers as of fall 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: • "Households with Children" category includes members under age 18 years old unless the member is the householder or spouse. • To obtain the Relative Standard Error (RSE) percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • Data in this table are for households with vehicles for personal transportation. • See Glossary for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-457 A of the 1993 Residential Energy Consumption Survey and Forms EIA-876 A, B, C, and D of the 1994 Residential Transportation Energy Consumption Survey.