

Detailed Tables

The following tables present detailed characteristics of vehicles in the residential sector. Data are from the 1991 Residential Transportation Energy Consumption Survey. The "Glossary" contains the definitions of terms used in the tables.

Table Organization

The "Detailed Tables" section consists of three types of tables: (1) Tables of totals such as number of vehicle miles traveled (VMT) or gallons consumed; (2) Tables of per household statistics such as VMT per household; and (3) Tables of per vehicle statistics such as vehicle fuel consumption per vehicle. The tables have been grouped together by specific topics such as model year data, or family income data to facilitate finding related information. The Quick-Reference Guide to the detailed tables indicates major topics of each table.

Row and Column Factors

These tables present estimates of characteristics, vehicle fuel consumption, miles driven, and fuel efficiencies for all vehicles used for personal transportation in the United States. Since the estimates are based on a sample survey, they are subject to error. To help the reader compute an approximate relative standard error (RSE) for each of the estimates in the detailed tables, row and column factors are displayed on the top line and in the far-right column of each table. To calculate the RSE for a specific estimate, multiply the row factor by the column factor. (See Figure C1 and the related discussion in Appendix C, "Quality of the Data," for more details.)

Quick-Reference Guide

<u>Topic</u>	<u>Table Numbers</u>
Summary	
Totals	8
Per Household	9
Per Vehicle	10
Vehicle Model Year	
Total Vehicles	11
Miles per Gallon	12
Gallons per Vehicle	13
Family Income	
Total Miles Traveled	14
Total Gallons	15
Miles per Household	16
Gallons per Household	17
Household Composition	
Total Vehicles	18
Miles per Household	19
Miles per Gallon	
Per Vehicle	20
Vehicle Type	
Total Gallons	21
Miles per Vehicle	22
Total Vehicles	23
Vehicle Fuel Expenditures	

Table 8. Number of Vehicles, Vehicle Miles, Motor Fuel Consumption and Expenditures, 1991

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles		Vehicle Miles Traveled		Consumption			Expenditures		RSE
	(million)	(percent)	(billion)	(percent)	(billion gallons)	(gallon percent)	(quadrillion Btu)	(billion dollars)	(percent)	
RSE Column Factor:	0.9	0.8	1.1	1.0	1.1	1.0	1.1	1.1	1.0	Factor
Household Characteristics										
Total.....	151.2	100.0	1,602	100.0	82.8	100.0	10.3	98.2	100.0	2.4
Census Region and Division										
Northeast.....	27.0	17.9	295	18.4	14.1	17.1	1.8	17.8	18.2	4.4
New England.....	6.5	4.3	75	4.7	3.5	4.3	.4	4.5	4.6	9.9
Middle Atlantic.....	20.5	13.6	221	13.8	10.6	12.8	1.3	13.3	13.6	5.7
Midwest.....	38.4	25.4	403	25.2	21.3	25.7	2.6	25.0	25.4	4.7
East North Central.....	27.6	18.2	296	18.4	15.2	18.4	1.9	17.9	18.2	6.9
West North Central.....	10.8	7.1	108	6.7	6.0	7.3	.7	7.1	7.2	5.9
South.....	52.7	34.8	571	35.7	29.8	36.0	3.7	34.9	35.6	4.4
South Atlantic.....	26.6	17.6	291	18.2	14.4	17.4	1.8	17.0	17.3	7.5
East South Central.....	10.8	7.2	121	7.5	6.5	7.8	.8	7.6	7.7	13.7
West South Central.....	15.2	10.1	160	10.0	8.9	10.7	1.1	10.4	10.6	11.9
West.....	33.2	21.9	333	20.8	17.6	21.3	2.2	20.5	20.9	4.3
Mountain.....	9.1	6.0	89	5.6	5.0	6.1	.6	5.7	5.8	9.4
Pacific.....	24.1	15.9	244	15.2	12.6	15.2	1.6	14.8	15.1	5.9
Urban Status										
Urban.....	114.3	75.6	1,219	76.1	61.5	74.3	7.6	73.3	74.6	2.1
Central City.....	38.8	25.7	387	24.1	19.7	23.8	2.5	23.4	23.8	4.4
Suburban.....	75.5	49.9	833	52.0	41.8	50.5	5.2	49.9	50.8	2.8
Rural.....	36.9	24.4	383	23.9	21.3	25.7	2.6	25.0	25.4	4.4
Household Size										
1 Person.....	22.1	14.6	198	12.4	10.4	12.5	1.3	12.3	12.5	5.0
2 Persons.....	49.9	33.0	494	30.8	25.6	30.9	3.2	30.3	30.8	4.5
3 Persons.....	30.3	20.0	339	21.2	16.9	20.4	2.1	20.1	20.5	6.5
4 Persons.....	29.3	19.4	349	21.8	18.0	21.7	2.2	21.4	21.7	6.4
5 Persons.....	13.6	9.0	152	9.5	8.0	9.7	1.0	9.5	9.7	8.8
6 or More Persons.....	6.0	3.9	70	4.4	4.0	4.8	.5	4.7	4.8	17.1
Household Composition										
Households with Children....	65.1	43.0	753	47.0	38.9	46.9	4.8	46.1	46.9	4.3
Age of Oldest Child										
Under 7 Years.....	19.0	12.6	214	13.4	10.7	12.9	1.3	12.7	13.0	9.0
7 to 15 Years.....	32.3	21.3	378	23.6	19.7	23.8	2.4	23.4	23.8	6.1
16 or 17 Years.....	13.8	9.1	161	10.1	8.4	10.2	1.0	10.0	10.2	12.7
Households Without Children.	86.2	57.0	849	53.0	44.0	53.1	5.5	52.2	53.1	3.3
One Adult.....	22.1	14.6	198	12.4	10.4	12.5	1.3	12.3	12.5	5.0
Age of Householder										
Under 35 Years.....	5.0	3.3	59	3.7	2.9	3.5	.4	3.4	3.5	15.3
35 to 59 Years.....	7.6	5.0	81	5.1	4.2	5.0	.5	5.0	5.0	11.5
60 Years or More.....	9.6	6.3	58	3.6	3.3	4.0	.4	3.9	4.0	10.4
Two or More Adults.....	64.0	42.3	651	40.6	33.6	40.6	4.2	39.9	40.6	4.0
Age of Householder										
Under 35 Years.....	13.2	8.7	156	9.8	7.4	8.9	.9	8.8	8.9	13.1
35 to 59 Years.....	27.8	18.4	298	18.6	15.4	18.7	1.9	18.3	18.7	6.2
60 Years or More.....	23.1	15.2	197	12.3	10.7	13.0	1.3	12.8	13.0	6.7
Race of Householder										
White.....	135.3	89.5	1,429	89.2	73.9	89.2	9.1	87.5	89.1	2.0
Black.....	12.8	8.4	143	8.9	7.4	8.9	.9	8.9	9.0	11.5
Other.....	3.1	2.1	30	1.9	1.6	1.9	.2	1.8	1.9	25.3
Hispanic Descent										
Yes.....	9.4	6.2	95	5.9	5.2	6.3	.6	6.1	6.3	17.1
No.....	141.8	93.8	1,507	94.1	77.6	93.7	9.6	92.1	93.7	2.5

See footnote at end of table.

Table 8. Number of Vehicles, Vehicle Miles, Motor Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles		Vehicle Miles Traveled		Consumption			Expenditures		RSE
	(million)	(percent)	(billion)	(percent)	(billion gallons)	(gallon percent)	(quadrillion Btu)	(billion dollars)	(percent)	
RSE Column Factor:	0.9	0.8	1.1	1.0	1.1	1.0	1.1	1.1	1.0	Factor
1990 Family Income										
Less than \$5,000.....	3.6	2.4	33	2.0	1.8	2.1	0.2	2.1	2.1	25.1
\$5,000 to \$9,999.....	9.1	6.0	77	4.8	4.3	5.2	.5	5.1	5.1	12.6
\$10,000 to \$14,999.....	13.5	8.9	120	7.5	6.6	7.9	.8	7.7	7.9	9.2
\$15,000 to \$19,999.....	10.9	7.2	106	6.6	5.7	6.9	.7	6.7	6.8	13.3
\$20,000 to \$24,999.....	15.6	10.3	153	9.5	8.5	10.3	1.1	10.1	10.2	9.5
\$25,000 to \$34,999.....	27.5	18.2	284	17.7	14.9	18.0	1.8	17.7	18.0	6.8
\$35,000 to \$49,999.....	32.1	21.2	361	22.6	17.8	21.5	2.2	21.1	21.5	5.6
\$50,000 to \$74,999.....	22.9	15.1	273	17.0	13.5	16.4	1.7	16.1	16.4	6.8
\$75,000 or More.....	16.0	10.6	196	12.3	9.7	11.7	1.2	11.7	11.9	10.2
Below Poverty Line										
100 Percent.....	11.5	7.6	110	6.9	6.1	7.4	.8	7.2	7.3	13.3
125 Percent.....	17.6	11.6	163	10.2	9.3	11.2	1.2	10.9	11.1	10.4
Eligible for Federal Assistancel/.....	29.8	19.7	279	17.4	15.6	18.8	1.9	18.3	18.6	7.2
Number of Drivers (Fall 1990)										
1.....	34.6	22.9	321	20.0	16.8	20.3	2.1	20.0	20.3	5.2
2.....	86.7	57.3	934	58.3	48.5	58.6	6.0	57.5	58.6	2.7
3.....	22.0	14.5	258	16.1	13.0	15.7	1.6	15.5	15.8	7.0
4 or More.....	7.2	4.7	84	5.2	4.2	5.1	.5	4.9	5.0	14.4
Age of Primary Driver										
16 to 17 Years.....	.7	.5	8	.5	.4	.4	(*)	.4	.4	28.4
18 to 22 Years.....	4.5	3.0	50	3.1	2.3	2.8	.3	2.7	2.7	13.8
23 to 29 Years.....	9.6	6.3	117	7.3	5.6	6.8	.7	6.7	6.8	9.7
30 to 39 Years.....	23.5	15.5	284	17.7	13.8	16.6	1.7	16.3	16.6	5.4
40 to 49 Years.....	18.1	12.0	219	13.7	11.3	13.6	1.4	13.4	13.7	6.2
50 to 59 Years.....	14.0	9.2	151	9.4	8.1	9.7	1.0	9.6	9.8	7.0
60 to 69 Years.....	12.2	8.0	100	6.3	5.4	6.6	.7	6.5	6.6	8.2
70 to 79 Years.....	8.0	5.3	58	3.6	3.3	4.0	.4	3.9	4.0	11.0
80 Years and Over.....	2.2	1.5	12	.7	.7	.8	.1	.8	.8	22.4
No Answer.....	58.5	38.7	604	37.7	32.0	38.7	4.0	37.9	38.6	5.7
Sex of Primary Driver										
Female.....	44.0	29.1	483	30.1	22.9	27.6	2.8	27.2	27.7	3.4
Male.....	49.6	32.8	526	32.8	28.5	34.4	3.5	33.7	34.3	3.4
No Answer.....	57.6	38.1	594	37.1	31.5	38.0	3.9	37.3	38.0	5.6
Average Number of Vehicles per Household During the Year										
Part-Year Vehicle.....	2.1	1.4	21	1.3	1.1	1.3	.1	1.3	1.4	29.1
Only 1.....	27.5	18.2	269	16.8	13.4	16.2	1.7	16.0	16.3	5.9
Between 1 and 2.....	14.1	9.3	152	9.5	7.9	9.5	1.0	9.4	9.5	9.1
Only 2.....	49.4	32.6	534	33.3	27.1	32.7	3.4	32.3	32.9	3.8
Between 2 and 3.....	19.3	12.8	219	13.7	11.6	14.1	1.4	13.7	14.0	8.7
Only 3.....	17.6	11.6	187	11.7	9.8	11.8	1.2	11.6	11.8	8.4
Between 3 and 4.....	10.6	7.0	112	7.0	6.0	7.2	.7	7.0	7.1	11.9
4 or More.....	10.8	7.2	108	6.8	5.9	7.1	.7	7.0	7.1	14.3

See footnote at end of table.

Table 8. Number of Vehicles, Vehicle Miles, Motor Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles		Vehicle Miles Traveled		Consumption			Expenditures		RSE
	(million)	(percent)	(billion)	(percent)	(billion gallons)	(gallon percent)	(quadrillion Btu)	(billion dollars)	(percent)	
RSE Column Factor:	0.9	0.8	1.1	1.0	1.1	1.0	1.1	1.1	1.0	Factor
Vehicle Characteristics										
Model Year										
1991 to 1992.....	5.5	3.6	77	4.8	3.5	4.3	.4	4.2	4.3	10.7
1990.....	10.5	6.9	132	8.3	6.2	7.5	.8	7.4	7.5	8.2
1989.....	12.5	8.3	166	10.4	7.6	9.2	.9	9.1	9.3	6.5
1986 to 1988.....	39.0	25.8	478	29.8	21.7	26.2	2.7	25.8	26.3	4.3
1983 to 1985.....	31.1	20.5	335	20.9	16.2	19.6	2.0	19.4	19.7	4.7
1980 to 1982.....	17.5	11.6	161	10.0	8.4	10.2	1.0	10.0	10.2	7.4
1977 to 1979.....	16.7	11.0	135	8.4	9.6	11.6	1.2	11.3	11.5	9.0
1974 to 1976.....	7.3	4.8	53	3.3	4.2	5.1	.5	4.8	4.9	14.0
1973 or Earlier.....	11.1	7.4	65	4.1	5.3	6.5	.7	6.1	6.2	12.8
Type of Vehicle										
Passenger Car.....	108.3	71.6	1,150	71.8	54.5	65.8	6.7	65.1	66.2	2.5
Minivan.....	5.1	3.4	65	4.1	3.3	4.0	.4	3.9	3.9	12.0
Sport-Utility Vehicle.....	7.3	4.8	85	5.3	5.2	6.3	.6	6.2	6.4	10.7
Large Van.....	3.9	2.6	40	2.5	2.9	3.5	.4	3.4	3.4	15.6
Pickup Truck.....	25.9	17.1	258	16.1	16.4	19.7	2.0	19.1	19.4	6.2
Other.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	a
Fuel Efficiency (miles per gallon)										
10.9 or Less.....	11.6	7.7	61	3.8	6.6	8.0	.8	7.6	7.7	9.0
11 to 12.9.....	10.7	7.1	77	4.8	6.4	7.8	.8	7.5	7.7	9.0
13 to 15.9.....	21.1	13.9	178	11.1	12.3	14.8	1.5	14.5	14.8	8.6
16 to 18.9.....	23.5	15.5	232	14.5	13.2	16.0	1.6	15.8	16.1	5.5
19 to 21.9.....	30.0	19.8	361	22.5	17.7	21.4	2.2	21.2	21.6	4.9
22 to 24.9.....	24.0	15.9	283	17.7	12.1	14.7	1.5	14.5	14.8	5.0
25 to 29.9.....	22.7	15.0	301	18.8	11.1	13.4	1.4	13.2	13.5	6.5
30 or More.....	7.7	5.1	109	6.8	3.3	4.0	.4	3.9	4.0	11.5
Engine Size (liters)										
2.49 or Less.....	57.2	37.8	653	40.8	25.8	31.1	3.2	30.6	31.2	4.7
2.50 to 3.49.....	24.8	16.4	297	18.5	14.4	17.4	1.8	17.2	17.5	5.4
3.50 to 4.49.....	21.7	14.3	226	14.1	12.3	14.8	1.5	14.6	14.9	6.6
4.50 or Greater.....	47.5	31.4	426	26.6	30.4	36.7	3.8	35.8	36.5	4.0
Number of Cylinders										
4.....	59.4	39.3	680	42.4	26.9	32.5	3.3	31.9	32.5	4.1
6.....	42.4	28.1	478	29.8	24.8	29.9	3.1	29.5	30.0	4.3
8.....	47.6	31.5	423	26.4	30.1	36.3	3.7	35.5	36.2	3.9
Other.....	1.8	1.2	22	1.4	1.1	1.3	.1	1.3	1.3	20.5
Type of Transmission										
Automatic.....	110.5	73.1	1,151	71.8	62.4	75.4	7.7	74.2	75.5	2.4
Manual Shift.....	40.7	26.9	452	28.2	20.4	24.6	2.5	24.1	24.5	5.9
Type of Drive										
Front-Wheel.....	63.7	42.1	742	46.3	31.3	37.8	3.9	37.3	38.0	3.2
Rear-Wheel.....	73.9	48.9	706	44.1	42.2	50.9	5.2	49.9	50.8	3.1
4-Wheel.....	13.6	9.0	154	9.6	9.3	11.2	1.1	11.0	11.2	7.5
Type of Fuel System										
Carburetor.....	90.7	60.0	861	53.7	48.5	58.6	6.0	57.1	58.2	2.9
Fuel Injection.....	58.7	38.8	720	44.9	33.3	40.3	4.1	39.9	40.6	3.4
Diesel Engine.....	1.8	1.2	21	1.3	1.0	1.2	.1	1.2	1.2	20.5

See footnote at end of table.

Table 8. Number of Vehicles, Vehicle Miles, Motor Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles		Vehicle Miles Traveled		Consumption			Expenditures		RSE
	(millio- n)	(percent)	(billio- n)	(percent)	(billion gallons)	(gallon percent)	(quadril- lion Btu)	(billion dollars)	(per- cent)	
RSE Column Factor:	0.9	0.8	1.1	1.0	1.1	1.0	1.1	1.1	1.0	Factor
Type of Fuel Purchased										
Motor Gasoline.....	147.7	97.7	1,563	97.6	81.0	97.8	10.1	96.0	97.7	2.3
Unleaded.....	141.7	93.7	1,518	94.7	77.5	93.6	9.7	92.3	93.9	2.5
Regular Grade.....	92.6	61.2	971	60.6	49.9	60.3	6.2	56.8	57.8	2.8
Intermediate Grade.....	16.7	11.1	194	12.1	9.5	11.5	1.2	11.7	11.9	6.6
Premium Grade.....	32.4	21.4	354	22.1	18.1	21.8	2.3	23.8	24.2	5.9
Leaded.....	6.0	4.0	45	2.8	3.4	4.1	.4	3.7	3.8	16.9
Gasohol.....	1.6	1.1	17	1.1	.8	1.0	NC	.9	1.0	24.7
Diesel Fuel.....	1.8	1.2	21	1.3	1.0	1.2	.1	1.2	1.2	20.5
Type of Primary Service										
Full-Service Pumps.....	19.7	13.0	193	12.0	9.9	11.9	1.2	12.1	12.3	12.0
Self or Mini-Service Pumps..	126.3	83.5	1,359	84.8	70.4	85.0	8.7	83.0	84.5	2.5
Both Equally.....	4.7	3.1	46	2.9	2.3	2.7	.3	2.7	2.8	16.1
Bulk Sales/Other.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	a
Vehicle Used for Commuting to and from Work										
Yes.....	88.6	58.6	1,081	67.5	53.3	64.3	6.6	63.3	64.4	2.5
No.....	62.7	41.4	521	32.5	29.5	35.7	3.7	34.9	35.6	3.6

a = No applicable Relative Standard Error (RSE) row factor.

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

NC = No cases in sample.

(*) = Data rounds to zero in the units given

Q = Data withheld because the RSE was greater than 50 percent or fewer than 10 households were sampled.

Note: † "Households with Children" category includes members under age 18 years old unless the member is the householder or spouse.

‡ Approximately 0.5 percent of the vehicle stock was owned by households that had no drivers as of fall 1990. † 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.

‡ Data in this table are for households with vehicles for personal transportation. † See Glossary for definition of terms used in this report. † "No Answer" includes no contacts, refusals, or the respondent didn't know.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-876 A, B, and C of the 1991 Residential Transportation Energy Consumption Survey and Forms EIA-457 A and B of the 1990 Residential Energy Consumption Survey. (For specific title of forms, see Appendix D.)

Table 9. U.S. per Household Vehicle Miles Traveled, Vehicle Fuel Consumption and Expenditures, 1991

1990 Household Characteristics	Number of Households (million)	Average per Household				RSE
		Number of Vehicles	Vehicle Miles Traveled (thousands)	Consumption (gallons)	Expenditures (dollars)	
RSE Column Factor:	1.5	0.6	1.0	1.0	1.0	Row Factor
Household Characteristics						
Total.....	84.6	1.8	18.9	979	1,161	1.7
Census Region and Division						
Northeast.....	16.0	1.7	18.5	886	1,117	4.1
New England.....	3.9	1.7	19.2	911	1,157	7.9
Middle Atlantic.....	12.1	1.7	18.3	877	1,105	5.0
Midwest.....	21.1	1.8	19.1	1,008	1,184	3.6
East North Central.....	15.1	1.8	19.5	1,008	1,185	4.7
West North Central.....	6.0	1.8	18.0	1,008	1,183	4.6
South.....	29.5	1.8	19.3	1,008	1,182	3.5
South Atlantic.....	15.0	1.8	19.4	963	1,135	4.7
East South Central.....	6.0	1.8	20.1	1,083	1,262	8.3
West South Central.....	8.6	1.8	18.6	1,033	1,208	7.5
West.....	18.0	1.8	18.5	978	1,138	3.5
Mountain.....	4.7	1.9	19.0	1,072	1,218	5.0
Pacific.....	13.3	1.8	18.3	945	1,109	4.5
Urban Status						
Urban.....	65.0	1.8	18.8	947	1,127	2.0
Central City.....	24.3	1.6	15.9	812	964	3.9
Suburban.....	40.8	1.9	20.4	1,026	1,224	2.7
Rural.....	19.6	1.9	19.5	1,085	1,273	3.8
Household Size						
1 Person.....	18.6	1.2	10.6	556	660	4.3
2 Persons.....	27.9	1.8	17.7	916	1,085	2.9
3 Persons.....	15.2	2.0	22.3	1,110	1,319	4.0
4 Persons.....	13.3	2.2	26.2	1,350	1,604	3.6
5 Persons.....	6.5	2.1	23.6	1,244	1,470	5.0
6 or More Persons.....	3.1	1.9	22.6	1,286	1,529	8.6
Household Composition						
Households with Children.....	33.0	2.0	22.8	1,176	1,395	2.9
Age of Oldest Child						
Under 7 Years.....	10.6	1.8	20.3	1,011	1,205	5.1
7 to 15 Years.....	16.7	1.9	22.6	1,180	1,398	3.4
16 or 17 Years.....	5.7	2.4	28.0	1,468	1,736	6.6
Households Without Children...	51.6	1.7	16.5	852	1,011	2.3
One Adult.....	18.6	1.2	10.6	556	660	4.3
Age of Householder						
Under 35 Years.....	4.2	1.2	14.2	685	817	10.4
35 to 59 Years.....	6.5	1.2	12.5	644	764	6.6
60 Years or More.....	8.0	1.2	7.3	417	492	6.9
Two or More Adults.....	33.0	1.9	19.7	1,019	1,210	2.6
Age of Householder						
Under 35 Years.....	7.4	1.8	21.0	996	1,178	5.6
35 to 59 Years.....	12.5	2.2	23.9	1,240	1,472	3.8
60 Years or More.....	13.1	1.8	15.0	822	977	4.9
Race of Householder						
White.....	75.0	1.8	19.0	985	1,167	1.9
Black.....	7.7	1.7	18.5	954	1,148	7.5
Other.....	1.9	1.7	16.2	836	981	13.2

See footnote at end of table.

Table 9. U.S. per Household Vehicle Miles Traveled, Vehicle Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household Characteristics	Number of Households (million)	Average per Household				RSE
		Number of Vehicles	Vehicle Miles Traveled (thousands)	Consumption (gallons)	Expenditures (dollars)	
RSE Column Factor:	1.5	0.6	1.0	1.0	1.0	Row Factor
Hispanic Descent						
Yes.....	5.6	1.7	16.9	927	1,093	7.1
No	79.0	1.8	19.1	982	1,166	1.8
1990 Family Income						
Less than \$5,000.....	2.8	1.3	11.5	627	737	15.0
\$5,000 to \$9,999.....	7.3	1.3	10.6	598	695	8.9
\$10,000 to \$14,999.....	9.7	1.4	12.3	674	795	6.7
\$15,000 to \$19,999.....	7.3	1.5	14.4	777	913	9.3
\$20,000 to \$24,999.....	9.3	1.7	16.5	918	1,084	6.9
\$25,000 to \$34,999.....	14.8	1.9	19.2	1,009	1,194	3.7
\$35,000 to \$49,999.....	16.2	2.0	22.3	1,096	1,302	3.7
\$50,000 to \$74,999.....	10.3	2.2	26.4	1,310	1,562	4.4
\$75,000 or More.....	6.8	2.4	28.9	1,421	1,715	7.0
Below Poverty Line						
100 Percent.....	8.7	1.3	12.7	705	824	8.2
125 Percent.....	12.8	1.4	12.8	723	848	6.7
Eligible for Federal Assistance^{1/}.....						
	20.8	1.4	13.4	750	883	5.1
Number of Drivers (Fall 1990)						
1.....	29.5	1.2	10.9	571	678	3.6
2.....	43.6	2.0	21.4	1,112	1,319	1.9
3.....	8.4	2.6	30.7	1,548	1,841	4.2
4 or More.....	2.3	3.1	36.7	1,830	2,145	7.5
Average Number of Vehicles per Household During the Year						
Part-Year Vehicle.....	3.7	.6	5.7	291	356	17.6
only 1.....	27.5	1.0	9.8	490	582	3.7
Between 1 and 2.....	9.4	1.5	16.2	840	999	3.7
Only 2.....	24.7	2.0	21.6	1,099	1,309	2.3
Between 2 and 3.....	7.9	2.4	27.7	1,473	1,737	3.8
Only 3.....	5.9	3.0	32.0	1,670	1,974	4.6
Between 3 and 4.....	3.1	3.4	36.1	1,926	2,267	4.4
4 or More.....	2.5	4.3	43.3	2,354	2,777	4.4

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

Note: † "Households with Children" category includes members under age 18 years old unless the member is the householder or spouse.

‡ Approximately 0.5 percent of the vehicle stock was owned by households that had no drivers as of fall 1990. ‡ 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, Forms EIA-876 A, B, and C of the 1991 Residential Transportation Energy Consumption Survey and Forms EIA-457 A and B of the 1990 Residential Energy Consumption Survey. (For specific title of forms, see Appendix D.)

Table 10. U.S. per Vehicle Miles Traveled, Vehicle Fuel Consumption and Expenditures, 1991

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles (million)	Average per Vehicle			Miles per Gallon	RSE Row Factor
		Vehicle Miles Traveled (thousands)	Consumption (gallons)	Expenditures (dollars)		
RSE Column Factor:	1.6	1.1	1.1	1.1	0.5	
Household Characteristics						
Total.....	151.2	10.6	548	650	19.3	1.5
Census Region and Division						
Northeast.....	27.0	10.9	523	660	20.9	2.6
New England.....	6.5	11.4	541	687	21.1	4.7
Middle Atlantic.....	20.5	10.8	517	651	20.8	3.1
Midwest.....	38.4	10.5	554	651	19.0	3.2
East North Central.....	27.6	10.7	553	650	19.4	4.3
West North Central.....	10.8	10.0	557	654	17.9	3.4
South.....	52.7	10.8	566	663	19.2	2.7
South Atlantic.....	26.6	10.9	542	639	20.2	3.8
East South Central.....	10.8	11.1	599	698	18.6	5.7
West South Central.....	15.2	10.5	582	681	18.0	5.7
West.....	33.2	10.0	532	618	18.9	2.8
Mountain.....	9.1	9.8	555	631	17.8	5.2
Pacific.....	24.1	10.1	523	614	19.3	3.5
Urban Status						
Urban.....	114.3	10.7	538	641	19.8	1.6
Central City.....	38.8	10.0	508	603	19.6	3.2
Suburban.....	75.5	11.0	554	661	19.9	1.9
Rural.....	36.9	10.4	576	676	18.0	3.3
Household Size						
1 Person.....	22.1	9.0	468	555	19.1	4.2
2 Persons.....	49.9	9.9	512	607	19.3	2.6
3 Persons.....	30.3	11.2	559	664	20.1	3.1
4 Persons.....	29.3	11.9	613	728	19.4	3.1
5 Persons.....	13.6	11.2	590	696	18.9	3.2
6 or More Persons.....	6.0	11.7	665	791	17.6	7.8
Household Composition						
Households with Children.....	65.1	11.6	597	708	19.4	2.3
Age of Oldest Child						
Under 7 Years.....	19.0	11.2	561	668	20.0	4.2
7 to 15 Years.....	32.3	11.7	612	724	19.2	2.6
16 or 17 Years.....	13.8	11.7	613	725	19.1	5.7
Households Without Children...	86.2	9.9	510	605	19.3	2.1
One Adult.....	22.1	9.0	468	555	19.1	4.2
Age of Householder						
Under 35 Years.....	5.0	11.9	575	687	20.7	9.4
35 to 59 Years.....	7.6	10.7	549	652	19.4	6.2
60 Years or More.....	9.6	6.1	347	409	17.5	7.3
Two or More Adults.....	64.0	10.2	525	623	19.4	2.4
Age of Householder						
Under 35 Years.....	13.2	11.9	563	666	21.1	5.9
35 to 59 Years.....	27.8	10.7	556	659	19.3	3.5
60 Years or More.....	23.1	8.5	466	554	18.3	3.8
Race of Householder						
White.....	135.3	10.6	546	647	19.3	1.6
Black.....	12.8	11.2	578	695	19.4	6.2
Other.....	3.1	9.7	499	586	19.3	12.7
Hispanic Descent						
Yes.....	9.4	10.1	555	655	18.3	6.7
No.....	141.8	10.6	547	649	19.4	1.5

See footnote at end of table.

Table 10. U.S. per Vehicle Miles Traveled, Vehicle Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles (million)	Average per Vehicle			Miles per Gallon	RSE
		Vehicle Miles Traveled (thousands)	Consumption (gallons)	Expenditures (dollars)		
RSE Column Factor:	1.6	1.1	1.1	1.1	0.5	Row Factor
1990 Family Income						
Less than \$5,000.....	3.6	9.1	492	578	18.4	12.0
\$5,000 to \$9,999.....	9.1	8.4	477	554	17.7	8.2
\$10,000 to \$14,999.....	13.5	8.9	488	576	18.2	6.3
\$15,000 to \$19,999.....	10.9	9.7	524	616	18.6	6.7
\$20,000 to \$24,999.....	15.6	9.8	545	644	17.9	5.6
\$25,000 to \$34,999.....	27.5	10.3	542	642	19.0	3.1
\$35,000 to \$49,999.....	32.1	11.2	553	657	20.3	3.0
\$50,000 to \$74,999.....	22.9	11.9	592	706	20.1	3.3
\$75,000 or More.....	16.0	12.3	604	729	20.3	4.2
Below Poverty Line						
100 Percent.....	11.5	9.6	533	624	18.0	7.2
125 Percent.....	17.6	9.3	527	618	17.6	5.8
Eligible for Federal Assistancel/.....						
	29.8	9.4	522	615	17.9	4.3
Number of Drivers (Fall 1990)						
1.....	34.6	9.3	486	577	19.1	3.5
2.....	86.7	10.8	560	664	19.3	2.0
3.....	22.0	11.8	593	705	19.8	4.1
4 or More.....	7.2	11.7	584	684	20.0	5.4
Age of Primary Driver						
16 to 17 Years.....	.7	10.8	522	599	20.7	13.9
18 to 22 Years.....	4.5	11.2	512	599	21.9	6.9
23 to 29 Years.....	9.6	12.2	584	697	20.9	5.1
30 to 39 Years.....	23.5	12.1	587	697	20.6	2.7
40 to 49 Years.....	18.1	12.1	624	741	19.4	3.7
50 to 59 Years.....	14.0	10.8	578	691	18.7	3.7
60 to 69 Years.....	12.2	8.2	446	530	18.5	4.4
70 to 79 Years.....	8.0	7.2	414	489	17.5	6.3
80 Years and Over.....	2.2	5.3	301	350	17.5	14.0
No Answer.....	58.5	10.3	547	647	18.9	2.9
Sex of Primary Driver						
Female.....	44.0	11.0	520	620	21.1	1.9
Male.....	49.6	10.6	573	679	18.5	2.2
No Answer.....	57.6	10.3	547	647	18.8	3.1
Average Number of Vehicles per Household During the Year						
Part-Year Vehicle.....	2.1	10.1	519	636	19.5	15.4
Only 1.....	27.5	9.8	490	582	20.0	3.4
Between 1 and 2.....	14.1	10.8	561	667	19.3	4.3
Only 2.....	49.4	10.8	549	654	19.7	2.2
Between 2 and 3.....	19.3	11.3	603	712	18.8	4.9
Only 3.....	17.6	10.7	557	658	19.1	4.4
Between 3 and 4.....	10.6	10.6	564	664	18.7	6.4
4 or More.....	10.8	10.0	545	643	18.4	5.5
Vehicle Characteristics						
Model Year						
1991 to 1992.....	5.5	14.0	643	772	21.8	4.9
1990.....	10.5	12.6	589	705	21.5	3.9
1989.....	12.5	13.2	607	727	21.8	3.6
1986 to 1988.....	39.0	12.3	557	663	22.0	2.3
1983 to 1985.....	31.1	10.8	522	623	20.6	2.9
1980 to 1982.....	17.5	9.2	480	571	19.1	4.2
1977 to 1979.....	16.7	8.1	577	680	14.1	5.2
1974 to 1976.....	7.3	7.2	571	661	12.6	9.0
1973 or Earlier.....	11.1	5.8	479	548	12.2	9.2

See footnote at end of table.

Table 10. U.S. per Vehicle Miles Traveled, Vehicle Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles (million)	Average per Vehicle			Miles per Gallon	RSE
		Vehicle Miles Traveled (thousands)	Consumption (gallons)	Expenditures (dollars)		
RSE Column Factor:	1.6	1.1	1.1	1.1	0.5	Row Factor
Type of Vehicle						
Passenger Car.....	108.3	10.6	503	601	21.1	1.8
Minivan.....	5.1	12.7	646	753	19.6	5.4
Sport-Utility Vehicle.....	7.3	11.6	717	856	16.2	5.3
Large Van.....	3.9	10.1	736	856	13.7	8.9
Pickup Truck.....	25.9	10.0	632	738	15.8	3.6
Other.....	Q	Q	Q	Q	Q	a
Fuel Efficiency (miles per gallon)						
10.9 or Less.....	11.6	5.3	569	654	9.3	6.1
11 to 12.9.....	10.7	7.2	601	703	12.0	6.1
13 to 15.9.....	21.1	8.5	583	690	14.5	4.6
16 to 18.9.....	23.5	9.9	564	672	17.5	3.2
19 to 21.9.....	30.0	12.0	591	707	20.4	2.5
22 to 24.9.....	24.0	11.8	506	604	23.3	2.7
25 to 29.9.....	22.7	13.2	490	583	27.0	2.9
30 or More.....	7.7	14.2	427	504	33.2	5.2
Engine Size (liters)						
2.49 or Less.....	57.2	11.4	450	535	25.4	2.4
2.50 to 3.49.....	24.8	12.0	580	691	20.6	2.8
3.50 to 4.49.....	21.7	10.4	565	674	18.5	3.4
4.50 or Greater.....	47.5	9.0	640	755	14.0	2.7
Number of Cylinders						
4.....	59.4	11.4	452	537	25.3	2.2
6.....	42.4	11.3	584	694	19.3	2.7
8.....	47.6	8.9	632	746	14.1	2.6
Other.....	1.8	12.4	618	748	20.1	12.7
Type of Transmission						
Automatic.....	110.5	10.4	565	671	18.4	1.6
Manual Shift.....	40.7	11.1	501	591	22.1	3.4
Type of Drive						
Front-Wheel.....	63.7	11.6	492	586	23.7	1.9
Rear-Wheel.....	73.9	9.6	571	675	16.7	2.4
4-Wheel.....	13.6	11.3	686	810	16.5	3.9
Type of Fuel System						
Carburetor.....	90.7	9.5	535	630	17.7	2.0
Fuel Injection.....	58.7	12.3	568	680	21.6	1.8
Diesel Engine.....	1.8	11.5	524	659	22.0	11.8
Type of Fuel Purchased						
Motor Gasoline.....	147.7	10.6	548	650	19.3	1.4
Unleaded.....	141.7	10.7	547	651	19.6	1.5
Regular Grade.....	92.6	10.5	539	613	19.4	1.9
Intermediate Grade.....	16.7	11.6	569	698	20.3	4.0
Premium Grade.....	32.4	10.9	558	734	19.6	3.0
Leaded.....	6.0	7.6	569	623	13.3	11.1
Gasohol.....	1.6	10.6	517	588	20.5	11.8
Diesel Fuel.....	1.8	11.5	524	659	22.0	11.8

See footnote at end of table.

Table 10. U.S. per Vehicle Miles Traveled, Vehicle Fuel Consumption and Expenditures, 1991 (Continued)

1990 Household and 1991 Vehicle Characteristics	Number of Vehicles (million)	Average per Vehicle			Miles per Gallon	RSE
		Vehicle Miles Traveled (thousands)	Consumption (gallons)	Expenditures (dollars)		
RSE Column Factor:	1.6	1.1	1.1	1.1	0.5	Row Factor
Type of Primary Service						
Full-Service Pumps.....	19.7	9.8	503	616	19.5	4.8
Self or Mini-Service Pumps....	126.3	10.8	557	657	19.3	1.8
Both Equally.....	4.7	9.7	479	582	20.3	8.6
Bulk Sales/Other.....	Q	Q	Q	Q	Q	a
Vehicle Used for Commuting to and from Work						
Yes.....	88.6	12.2	602	715	20.3	1.8
No.....	62.7	8.3	471	557	17.7	2.3

a = No applicable Relative Standard Error (RSE) row factor.

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

Q = Data withheld because the RSE was greater than 50 percent or fewer than 10 households were sampled.

Note: † "Households with Children" category includes members under age 18 years old unless the member is the householder or spouse. † Approximately 0.5 percent of the vehicle stock was owned by households that had no drivers as of fall 1990. † 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. † Data in this table are for households with vehicles for personal transportation. † See Glossary for definition of terms used in this report. † "No Answer" includes no contacts, refusals, or the respondent didn't know.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-876 A, B, and C of the 1991 Residential Transportation Energy Consumption Survey and Forms EIA-457 A and B of the 1990 Residential Energy Consumption Survey. (For specific title of forms, see Appendix D.)

Total Households	24
Energy/Expenditures	
Dollars per Household	25
Energy/Consumption	
Per Household	26
Vehicle Stock Changes	
Total Households	27