

Table 5.6. U.S. Average Vehicle Fuel Consumption by Model Year, 1994
(Gallons per Vehicle)

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	
		0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
RSE Column Factor:	0.6	0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
<i>Household Characteristics</i>											
Total	578	697	641	610	541	522	520	510	671	676	5.1
Census Region and Division											
Northeast	545	693	588	584	546	477	502	468	Q	Q	10.2
New England	542	Q	Q	Q	622	418	Q	Q	Q	Q	16.0
Middle Atlantic	545	618	569	591	522	504	500	465	Q	Q	12.1
Midwest	580	657	671	615	596	531	525	463	657	775	8.3
East North Central	574	654	634	620	567	516	545	452	690	Q	10.1
West North Central	592	668	735	603	680	571	483	Q	Q	Q	12.2
South	598	733	653	628	485	543	561	538	653	640	9.1
South Atlantic	601	746	616	614	444	558	578	547	669	592	12.5
East South Central	571	722	Q	Q	618	501	529	Q	Q	Q	14.9
West South Central	612	712	711	664	488	549	556	Q	Q	Q	20.1
West	568	Q	629	595	580	520	461	545	757	622	11.4
Mountain	599	Q	Q	Q	359	497	507	Q	Q	578	14.5
Pacific	555	Q	603	550	683	526	441	Q	Q	656	14.9
Largest Populated States											
California	559	Q	Q	Q	677	547	431	Q	Q	Q	17.1
Florida	580	Q	Q	Q	614	541	Q	Q	Q	Q	18.5
New York	545	Q	Q	Q	761	511	478	Q	Q	Q	15.1
Texas	598	Q	Q	Q	466	548	563	Q	Q	Q	26.3
Urban Status											
Urban	565	684	613	594	534	513	510	505	676	662	6.1
Central City	535	634	565	571	488	477	478	508	682	615	11.9
Suburban	581	701	633	606	557	531	528	504	672	685	6.7
Rural	617	753	769	663	567	555	547	522	662	710	9.5
Household Size											
1 Person	492	576	537	499	499	482	403	436	Q	Q	13.8
2 Persons	553	674	639	577	483	492	505	479	650	612	8.1
3 Persons	596	701	682	628	626	542	519	551	733	665	11.1
4 Persons	615	783	666	675	565	555	584	482	682	Q	11.7
5 Persons	630	Q	605	656	533	547	514	Q	Q	Q	16.0
6 or More Persons	673	Q	Q	Q	Q	Q	Q	Q	Q	Q	30.1
Household Composition											
Households with Children	625	761	685	678	607	555	555	546	748	708	7.6
Age of Oldest Child											
Under 7 Years	606	Q	646	620	578	566	536	Q	Q	Q	15.3
7 to 15 Years	633	809	697	713	581	553	559	544	727	699	10.6
16 or 17 Years	630	Q	709	Q	701	549	565	Q	Q	Q	15.3
Households Without Children	545	650	608	559	501	501	491	479	615	654	6.8
One Adult	492	576	537	499	499	482	403	436	Q	Q	13.8
Age of Householder											
Under 35 Years	601	Q	Q	Q	Q	Q	Q	Q	Q	Q	26.6
35 to 59 Years	547	Q	Q	Q	629	538	Q	Q	Q	Q	20.5
60 Years or More	384	Q	Q	Q	307	343	348	Q	Q	Q	18.4
Two or More Adults	559	670	635	571	502	506	513	491	657	641	7.5
Age of Householder											
Under 35 Years	585	659	Q	Q	477	575	543	Q	Q	Q	18.3
35 to 59 Years	594	728	676	583	555	533	541	488	664	741	10.8
60 Years or More	495	582	590	507	446	433	459	465	653	508	13.3
Race of Householder											
White	581	704	644	612	532	526	521	505	669	683	5.2
Black	564	Q	Q	Q	618	477	532	Q	Q	Q	20.2
Other	531	Q	Q	Q	654	Q	Q	Q	Q	Q	28.1

See footnotes at end of table.

Table 5.6. U.S. Average Vehicle Fuel Consumption by Model Year, 1994 (Continued)
(Gallons per Vehicle)

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	
		0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
RSE Column Factor:	0.6	0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
Hispanic Descent											
Yes	579	Q	Q	Q	688	536	503	Q	Q	Q	21.7
No	578	700	642	613	533	521	521	502	662	677	5.1
1993 Family Income											
Less than \$5,000	558	Q	Q	Q	Q	Q	Q	Q	Q	Q	35.8
\$5,000 to \$9,999	510	Q	Q	Q	Q	448	467	Q	Q	Q	31.5
\$10,000 to \$14,999	529	Q	Q	496	687	512	547	444	571	Q	16.2
\$15,000 to \$19,999	562	Q	Q	Q	552	481	523	Q	Q	Q	16.4
\$20,000 to \$24,999	558	605	542	Q	594	473	481	Q	Q	Q	16.0
\$25,000 to \$34,999	610	716	729	674	618	549	530	571	728	754	11.6
\$35,000 to \$49,999	580	669	582	630	543	536	521	502	620	673	10.4
\$50,000 to \$74,999	579	732	682	632	484	528	513	Q	Q	Q	10.0
\$75,000 or More	620	752	698	627	491	559	573	Q	Q	Q	14.5
Below Poverty Line											
100 Percent	558	Q	Q	Q	467	472	519	Q	Q	Q	24.3
125 Percent	568	Q	Q	Q	594	487	540	494	702	Q	13.8
150 Percent	574	Q	Q	569	566	514	554	498	672	713	13.6
Eligible for Federal Assistance¹	562	Q	Q	546	579	496	537	513	662	688	12.8
Number of Drivers² (Fall 1993)											
1	511	586	594	519	514	473	443	479	584	610	10.8
2	592	733	646	628	549	532	533	515	692	677	6.4
3	604	644	700	658	490	509	536	Q	Q	796	12.8
4 or More	615	Q	Q	Q	694	618	599	Q	Q	Q	16.9
Age of Primary Driver											
16 to 17 Years	453	Q	Q	Q	Q	Q	Q	Q	Q	Q	55.3
18 to 22 Years	581	Q	Q	Q	Q	506	569	Q	Q	Q	20.0
23 to 29 Years	605	747	643	Q	481	596	Q	Q	Q	Q	15.6
30 to 39 Years	618	741	683	614	569	534	556	493	738	Q	10.2
40 to 49 Years	629	770	729	747	561	556	579	448	699	594	10.3
50 to 59 Years	605	758	670	610	568	581	491	Q	Q	757	12.7
60 to 69 Years	498	594	Q	495	467	413	470	Q	693	Q	17.1
70 to 79 Years	427	Q	Q	Q	273	342	357	Q	Q	Q	17.7
80 Years and Over	345	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.9
Don't Know	580	Q	610	593	576	538	529	566	693	716	12.5
Sex of Primary Driver											
Female	542	655	619	645	441	472	480	410	629	Q	7.1
Male	603	778	701	590	614	549	534	462	661	656	7.3
Don't Know	581	Q	611	593	573	540	530	567	693	716	12.5

See footnotes at end of table.

Table 5.6. U.S. Average Vehicle Fuel Consumption by Model Year, 1994 (Continued)
(Gallons per Vehicle)

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	
		0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
RSE Column Factor:	0.6	0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
Average Number of Vehicles per Household During the Year											
Part-Year Vehicle	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Only 1	518	Q	559	554	504	476	494	500	597	Q	12.0
Between 1 and 2	642	693	626	Q	495	615	Q	Q	Q	Q	19.6
Only 2	579	687	645	651	569	503	512	508	685	720	8.2
Between 2 and 3	630	695	665	686	593	603	551	Q	717	Q	13.7
Only 3	576	729	658	546	443	506	510	500	600	686	13.5
Between 3 and 4	623	Q	Q	Q	744	635	536	Q	Q	Q	25.4
4 or More	588	Q	653	Q	586	569	559	Q	Q	530	16.1
<i>Vehicle Characteristics</i>											
Type of Vehicle											
Passenger Car	514	585	553	545	525	476	477	492	642	634	6.0
Minivan	682	813	798	837	363	570	Q	Q	Q	Q	13.4
Sport Utility	778	Q	809	Q	629	787	678	Q	Q	Q	18.3
Large Van	844	Q	Q	Q	Q	Q	Q	Q	Q	Q	25.0
Pickup Truck	682	889	806	702	635	598	595	508	701	748	10.5
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Fuel Efficiency (miles per gallon)											
10.9 or Less	586	Q	Q	Q	Q	Q	Q	Q	434	683	11.1
11 to 12.9	733	Q	Q	Q	504	452	498	Q	828	877	21.4
13 to 15.9	666	842	765	Q	644	634	604	565	747	578	13.5
16 to 18.9	599	774	714	700	456	501	556	579	Q	Q	12.4
19 to 21.9	590	699	669	623	634	570	574	494	Q	Q	9.4
22 to 24.9	550	674	619	625	456	518	448	Q	Q	Q	10.1
25 to 29.9	483	552	541	513	533	459	464	Q	Q	Q	9.5
30 or More	443	Q	Q	Q	Q	457	Q	Q	Q	Q	20.2
Engine Size (liters)											
2.49 or Less	458	546	530	489	536	446	427	414	Q	Q	7.4
2.50 to 3.49	580	678	640	655	475	540	484	Q	Q	Q	9.8
3.50 to 4.49	626	727	699	709	457	567	526	578	Q	Q	12.4
4.50 or Greater	716	873	858	701	726	680	671	571	730	706	9.3
Number of Cylinders											
4	460	554	521	501	532	446	424	414	Q	Q	7.1
6	618	702	689	689	484	569	536	592	603	630	8.9
8	706	881	811	658	699	662	646	570	721	728	9.7
Other	411	Q	Q	Q	Q	Q	Q	Q	Q	Q	42.4
Type of Transmission											
Automatic	594	708	663	627	519	529	537	542	683	729	5.8
Manual Shift	528	657	561	548	621	504	474	448	628	568	10.4
Type of Drive											
Front-Wheel	509	635	584	567	439	463	450	439	Q	Q	6.5
Rear-Wheel	618	766	673	664	726	566	564	531	666	675	8.3
4-Wheel	722	821	802	725	614	699	612	Q	Q	Q	13.0
Type of Fuel System											
Carburetor	574	693	587	631	1299	516	539	519	672	680	8.6
Fuel Injection	579	683	644	605	345	524	467	Q	Q	Q	6.1
Diesel Engine	652	Q	Q	Q	Q	Q	Q	Q	Q	Q	33.5

See footnotes at end of table.

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		1994 to 1995	1993	1992	1989 to 1991	1986 to 1988	1983 to 1985	1980 to 1982	1977 to 1979	1976 or Earlier	
RSE Column Factor:	0.6	0.9	0.8	0.8	1.4	0.6	0.8	1.4	1.8	1.9	
Type of Fuel Purchased											
Motor Gasoline	575	674	631	607	541	521	520	517	673	670	5.2
Unleaded	574	674	631	607	541	521	519	517	667	675	5.2
Regular Grade	575	669	637	619	551	516	518	504	683	693	6.1
Intermediate Grade	567	624	615	580	431	525	510	Q	Q	Q	12.0
Premium Grade	577	719	625	587	615	539	531	553	647	612	12.8
Leaded	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Gasohol	663	Q	Q	Q	Q	Q	Q	Q	Q	Q	43.5
Diesel Fuel	673	Q	Q	Q	Q	Q	Q	Q	Q	Q	37.5
Type of Primary Service											
Full-Service Pumps	492	Q	Q	Q	469	447	421	Q	Q	Q	19.7
Self or Mini-Service Pumps	587	711	646	617	550	530	532	521	682	674	5.4
Both Equally	546	Q	Q	Q	Q	Q	Q	Q	Q	Q	46.7
Bulk Sales/Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Vehicle Used for Commuting to and from Work											
Yes	611	709	684	656	547	542	553	539	711	786	5.9
No	527	672	563	526	531	490	470	473	625	583	8.9

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.