

MODEL YEAR 2003

Fuel Economy Guide

www.fueleconomy.gov

United States
Department of
Energy



Office of Energy Efficiency and Renewable Energy

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USING THE FUEL ECONOMY GUIDE

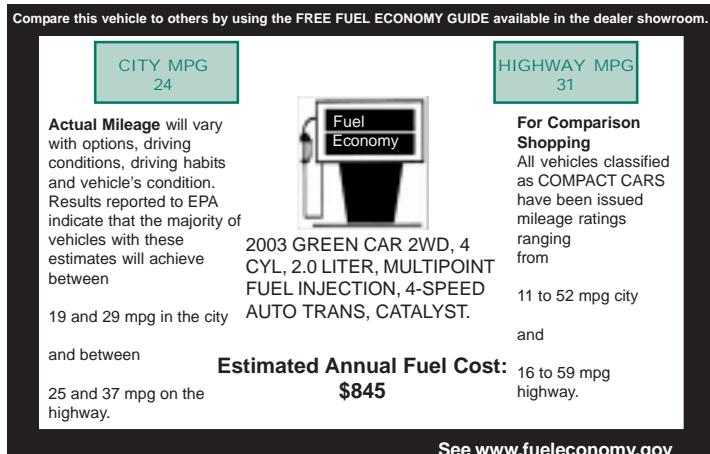
The U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) produce the *Fuel Economy Guide* to help car buyers choose the most fuel-efficient vehicle that meets their needs. EPA compiles the fuel economy data and DOE publishes them in print and on the web at www.fueleconomy.gov (see p. 2).

FUEL ECONOMY ESTIMATES

Each vehicle in this guide has two fuel economy estimates.

City represents urban driving, in which a vehicle is started in the morning (after being parked all night) and driven in stop-and-go rush hour traffic.

Highway represents a mixture of rural and interstate highway driving in warmed-up vehicles, typical of longer trips in free-flowing traffic.



EPA miles-per-gallon (MPG) estimates are based on lab testing and are adjusted to reflect real-world driving conditions for an average U.S. motorist. Vehicles are tested in the same manner to allow fair comparisons. For answers to frequently asked questions about fuel economy estimates, visit www.fueleconomy.gov/feg/info.shtml.

WHY YOUR FUEL ECONOMY CAN VARY

A vehicle's fuel economy is not a constant or fixed number; it varies among vehicles of the same make and model, and it will vary over time for an individual vehicle. Many factors affect a vehicle's fuel economy:

When, where, and how the vehicle is driven: Frequent acceleration and braking necessary in stop-and-go traffic and on hilly terrain hurt fuel economy, and aggressive driving (hard accelerating and braking) reduces it even more. Cold weather can also reduce MPG, since your engine doesn't run efficiently until it is warmed up.

Vehicle maintenance: A poorly tuned engine burns more fuel, so fuel economy will suffer if your engine is not in tune. Keeping tires at the correct pressure and changing the air filter on a regular basis can improve fuel economy. Also, new energy-saving motor oils can improve MPG.

Inherent variations in vehicles: Small variations in the way vehicles are manufactured and assembled can cause MPG variations among vehicles of the same make and model. Usually, differences are small, but a few drivers will see a marked deviation from the EPA estimates.

Refer to www.fueleconomy.gov for more detailed explanations and fuel economy tips.

ANNUAL FUEL COST ESTIMATES

This guide provides annual fuel cost estimates for each vehicle. This estimate is based on the assumptions that you travel 15,000 miles per year (55% under city driving conditions and 45% under highway conditions) and that fuel costs \$1.55/gallon for regular unleaded gasoline and \$1.65/gallon for premium. Cost-per-gallon assumptions for vehicles that use other fuel types are discussed at the beginning of those vehicle sections.

UNDERSTANDING THE GUIDE LISTINGS

We hope you'll find the *Fuel Economy Guide* easy to use! Vehicles are first organized by fuel type and then grouped by class (see the table on page 2 for a listing of vehicle classes). Within each class, vehicles are listed alphabetically by manufacturer and model—vehicle models with different characteristics, including transmission type or engine size, are listed as different vehicles. Additional characteristics about the vehicle, such as valve or fuel system, may also be needed to distinguish between similar vehicles. This information is listed in the “Notes” column. Interior volume information is located in the index at the back of the Guide.

The diagram below explains the contents of a typical listing. The vehicle make and model are listed in the first column. Additional information on transmission type (e.g., automatic or manual) and the number of gears is listed in the second column, and information on the engine size (in liters) and the number of cylinders is listed in the third. This information is usually needed to correctly identify a specific configuration within a model type.

Column 4 shows EPA MPG estimates for city and highway driving. The vehicle with the best fuel economy in each vehicle class is indicated by a pointer to the left of the model name; the listing is displayed in bold lettering and is highlighted by a gray bar. Alternative fuel vehicles are highlighted by a green bar. Annual estimated fuel cost is listed in column 5 (see the inside front cover for an explanation of how this is estimated). The final column ("Notes") contains additional information on engine and fuel system type, applicable taxes, and other useful information.

Vehicles with a "P" in the "Notes" column require premium-grade gasoline. Because premium is the most expensive grade of gasoline, these vehicles may have a higher annual fuel cost even though they have a slightly better fuel economy than other vehicles. A legend for all of the abbreviations is provided at the bottom of each odd-numbered page.

Additional information on interior passenger and cargo volumes is included in the Index beginning on page 20.

WHY SOME VEHICLES ARE NOT LISTED

- ◆ Vans, pickup trucks, and sport utility vehicles (SUVs) weighing more than 8,500 pounds gross vehicle weight are classified as heavy-duty vehicles. Fuel economy regulations do not apply to these vehicles, so they are not tested and fuel economy labels are not posted in their windows.
- ◆ Some manufacturers may not submit a vehicle's fuel economy information to EPA in time to be included in the guide. However, you can usually find this information at www.fueleconomy.gov, which is updated regularly.
- ◆ The availability of some vehicles is restricted.

VEHICLE CLASSES USED IN THIS GUIDE

CARS (based on interior passenger and cargo volume)		TRUCKS (based on body style and load-bearing capacity)	
TWO-SEATER CARS		PICKUP TRUCKS	Gross Vehicle Weight Rating
SEDANS	Passenger and Cargo Volume	Small	Under 4,500 Pounds
Minicompact	Under 85 Cubic Feet	Standard	4,500 to 8,500 Pounds
Subcompact	85 to 99 Cubic Feet	VANS	Under 8,500 Pounds
Compact	100 to 109 Cubic Feet	Passenger	
Midsize	110 to 119 Cubic Feet	Cargo	
Large	120 or More Cubic Feet	MINIVANS	Under 8,500 Pounds
STATION WAGONS	Passenger and Cargo Volume	SPORT UTILITY VEHICLES	Under 8,500 Pounds
Small	Under 130 Cubic Feet	SPECIAL PURPOSE VEHICLES	Under 8,500 Pounds
Midsize	130 to 159 Cubic Feet		Under 8,500 Pounds
Large	160 or More Cubic Feet		

TAX INCENTIVES AND DISINCENTIVES

TAX CREDITS AND DEDUCTIONS

If you purchase a qualifying electric or "clean-fuel" vehicle in 2003, you may be eligible for federal income tax incentives, such as tax credits and deductions. Clean fuel vehicles include gasoline-electric hybrids, compressed natural gas (CNG) vehicles, liquefied propane gas (LPG) vehicles, and others powered by alternative fuels. Visit www.fueleconomy.gov for more detailed information on current incentives and the most up-to-date news on tax incentives under consideration.

GAS GUZZLER TAX

The Energy Tax Act of 1978 requires auto companies to pay a gas guzzler tax on the sale of passenger cars with exceptionally low fuel economy. Such vehicles are identified in this guide by the word "Tax." In the dealer showroom, the words "Gas Guzzler" and the amount of the tax are listed on the vehicle's fuel economy label. The tax does not apply to light trucks.

WWW.FUELECONOMY.GOV

Learn more and do more on-line at www.fueleconomy.gov!

- ◆ Download and print additional copies of the *Fuel Economy Guide*.
- ◆ Search for specific vehicles by class, manufacturer, and MPG and compare up to three vehicles at a time, side-by-side.
- ◆ View MPG, emissions, and safety information for used vehicles dating back to 1985.
- ◆ Learn about tax incentives for hybrid-electric, electric and other alternative fuel vehicles.
- ◆ Read tips for improving the fuel economy of your current vehicle.
- ◆ Calculate your annual fuel cost.
- ◆ Learn what makes a gallon of gasoline cost what it does (e.g., refining, transportation, taxes, etc.).
- ◆ Learn about advanced technologies such as hybrid-electric and fuel cell vehicles.

WHY CONSIDER FUEL ECONOMY?

SAVE MONEY

You could save \$300-\$500 in fuel costs each year by choosing the most fuel-efficient vehicle in a particular class. This can add up to thousands of dollars over a vehicle's lifetime. Fuel-efficient models come in all shapes and sizes, so you need not sacrifice utility or size.



Each vehicle listing in the *Fuel Economy Guide* provides fuel cost information (described on the inside front cover). The fuel economy web site, www.fueleconomy.gov, features an annual fuel cost calculator, which allows you to insert your local gasoline prices and consider your driving preference to achieve the most accurate fuel cost information for your vehicle.

STRENGTHEN NATIONAL ENERGY SECURITY

Buying a more fuel-efficient vehicle can help strengthen our national energy security by reducing our dependence on foreign oil. Half of the oil used to produce the gasoline you put in your tank is imported. The United States uses about 20 million barrels of oil per day, two-thirds of which is used for transportation. Petroleum imports cost us about \$2 billion a week—that's money that could be used to fuel our own economy.

PROTECT THE ENVIRONMENT

Burning fossil fuels such as gasoline or diesel adds greenhouse gases, including carbon dioxide, to the earth's atmosphere. Greenhouse gases trap heat and thus warm the earth because they prevent a significant proportion of infrared radiation from escaping into space.



Vehicles with lower fuel economy burn more fuel, creating more carbon dioxide. Every gallon of gasoline your vehicle burns puts 20 pounds of carbon dioxide into the atmosphere. You can reduce your contribution to global warming by choosing a vehicle with higher fuel economy.

By choosing a vehicle that achieves 25 miles per gallon rather than 20 miles per gallon, you can prevent the release of about 15 tons of greenhouse gas pollution over the lifetime of your vehicle.

TIPS FOR IMPROVING FUEL ECONOMY

KEEP YOUR CAR IN SHAPE

- ◆ Fixing a car that is noticeably out of tune can improve gas mileage by about 4%—repairing a faulty oxygen sensor can improve fuel economy by as much as 40%!
- ◆ Replacing a clogged air filter can improve gas mileage by as much as 10% (and protect your engine).
- ◆ Keeping your tires inflated to the recommended pressure and using the recommended grade of motor oil can save as much as 3–5¢/gallon. The manufacturer's recommended tire pressure can be found on the tire information placard and/or vehicle certification label located on the vehicle door edge, doorpost, or glove-box door, or inside the trunk lid.

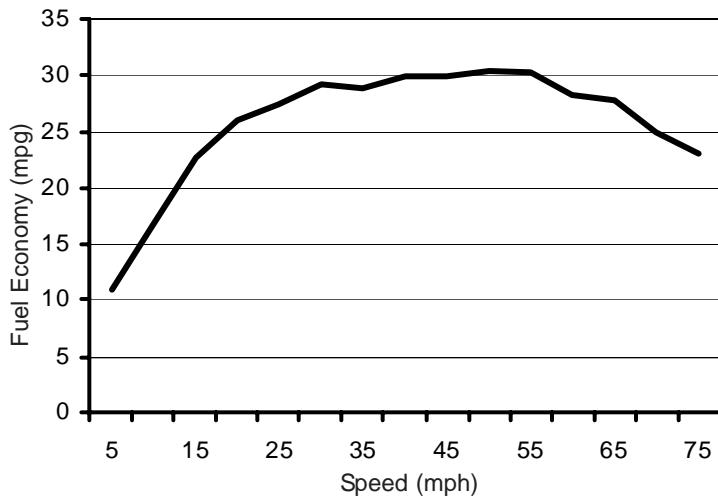
PLAN AND COMBINE TRIPS

- ◆ A warmed-up engine is more fuel-efficient than a cold one. Many short trips taken from a cold start can use twice as much fuel as one multipurpose trip covering the same distance when the engine is warmed up and efficient. Trip planning not only saves fuel, but also reduces wear and tear on your car.

For more tips and for more information about gasoline pricing, visit www.fueleconomy.gov.

DRIVE MORE EFFICIENTLY

- ◆ Aggressive driving (speeding and rapid acceleration and braking) can lower your gas mileage by as much as 33% at highway speeds and 5% around town (costing you as much as 49¢/gallon!).
- ◆ Observe the speed limit—each 5 miles per hour (mph) you drive over 60 mph is like paying an additional 10¢/gallon.
- ◆ Avoid idling—idling gets 0 miles per gallon.



MODEL YEAR 2003 FUEL ECONOMY LEADERS

Listed below are vehicles with the highest fuel economy in the most popular classes, including vehicles with both automatic and manual transmissions. Please note that many vehicle models come in a range of engine sizes and trim lines, resulting in different fuel economy values.

TWO-SEATER CARS

Honda Insight (hybrid electric)	man trans	61/68
.....	auto trans	57/56

MINICOMPACT CARS

BMW MINI Cooper	man trans	28/37
.....	auto trans	25/32

SUBCOMPACT CARS

Volkswagen New Beetle (diesel)	man trans	42/49
.....	auto trans	34/44

COMPACT CARS

Toyota Prius (hybrid electric)	auto trans	52/45
Honda Civic (hybrid)	man trans	46/51

MIDSIZE CARS

Honda Accord	man trans	26/34
.....	auto trans	24/33

LARGE CARS

Chevrolet Impala	auto trans	21/32
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SMALL STATION WAGONS

Volkswagen Jetta Wagon (diesel)	man trans	42/50
.....	auto trans	34/45

MIDSIZE STATION WAGONS

Ford Focus Station Wagon	man trans	27/36
.....	auto trans	27/33

CARGO VANS

Chevrolet Astro 2WD	auto trans	17/23
GMC Safari 2WD	auto trans	17/23

MINIVANS

Chrysler Voyager/Town & Country	auto trans	21/27
Dodge Caravan	auto trans	21/27

PASSENGER VANS

Chevrolet Astro 2WD	auto trans	16/20
GMC Safari 2WD	auto trans	16/20

SUV

Toyota Rav4 2WD	man trans	25/31
.....	auto trans	24/29

SMALL PICKUP TRUCKS

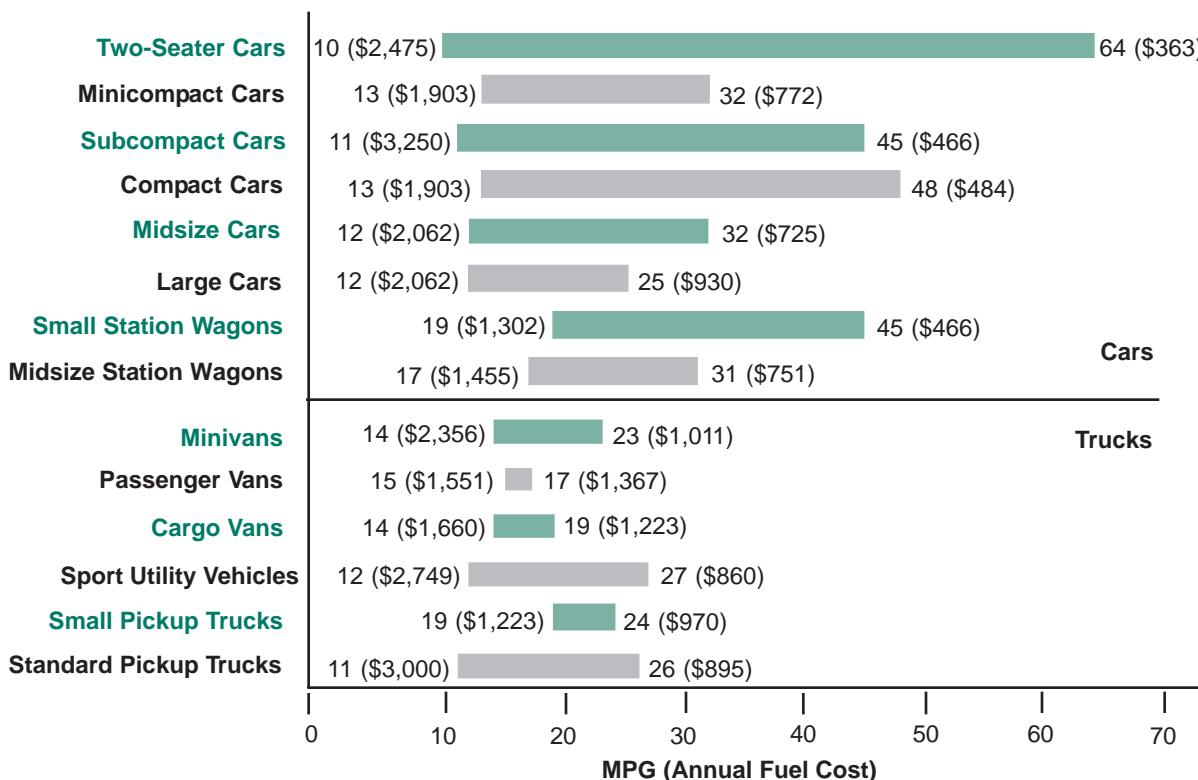
Chevrolet S10 Pickup 2WD	man trans	22/28
.....	auto trans	19/25
GMC Sonoma 2WD	man trans	22/28
.....	auto trans	19/25

STANDARD PICKUP TRUCKS

Ford Ranger 2WD	man trans	24/29
.....	auto trans	23/26
Mazda B2300 2WD	man trans	24/29
.....	auto trans	23/26

FUEL ECONOMY & ANNUAL FUEL COST RANGES FOR VEHICLE CLASSES

The graph below provides the fuel economy and annual fuel cost ranges for the vehicles in each vehicle class so that you can see where a given vehicle's fuel economy and cost fall within its class. Combined city and highway MPG estimates are used; these assume you will drive 55% in the city and 45% on the highway.



2003 MODEL YEAR VEHICLES

This section contains the fuel economy values for 2003 model year vehicles. Additional information for alternative fuel vehicles can also be found on pages 16-19. The most fuel efficient automatic and manual vehicles per class are listed in green boldface type and highlighted by a gray bar. The most efficient vehicle in each class is marked with a .

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations		Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
TWO SEATERS											
AUDI											
TT Roadster	A-S6 .. 1.8/4 ..	20/28 ..	\$1,077 ..	P							
TT Roadster Quattro	M-6 .. 1.8/4 ..	20/29 ..	\$1,077 ..	P							
BMW											
Z4 Roadster	A-5 .. 2.5/6 ..	21/28 ..	\$1,077 ..	P							
.....	M-5 .. 2.5/6 ..	20/28 ..	\$1,077 ..	P							
.....	A-5 .. 3.0/6 ..	20/28 ..	\$1,077 ..	P							
.....	M-6 .. 3.0/6 ..	21/29 ..	\$1,032 ..	P							
Z8	M-6 .. 4.9/8 ..	13/21 ..	\$1,547 ..	P Tax							
CHEVROLET											
Corvette	A-4 .. 5.7/8 ..	18/25 ..	\$1,178 ..	P							
.....	M-6 .. 5.7/8 ..	19/28 ..	\$1,126 ..	P							
FERRARI											
360 Modena/Spider	M-6 .. 3.6/8 ..	11/16 ..	\$1,903 ..	P Tax							
.....	A-S6 .. 3.6/8 ..	10/16 ..	\$2,062 ..	P Tax							
575 M Maranello	M-6 .. 5.7/12 ..	10/16 ..	\$2,062 ..	P Tax							
.....	A-S6 .. 5.7/12 ..	10/17 ..	\$2,062 ..	P Tax							
Enzo Ferrari	A-S6 .. 6.0/12 ..	8/12 ..	\$2,750 ..	P Tax							
HONDA											
Insight (Hybrid-Electric)	A(AV) . 1.0/3 .. 57/56 . \$416										
.....	M-5 1.0/3 .. 61/68 .. \$363										
S2000	M-6 .. 2.0/4 ..	20/26 ..	\$1,077 ..	P							
LAMBORGHINI											
L-147 Murcielago	M-6 .. 6.0/12 ..	9/13 ..	\$2,475 ..	P Tax							
.....	M-6 .. 6.2/12 ..	9/13 ..	\$2,475 ..	P Tax							
LOTUS											
Esprit V8	M-5 .. 3.5/8 ..	15/22 ..	\$1,376 ..	P Tax							
MASERATI											
Spider Cambiocorsa/Spider GT	M-6 .. 4.2/8 ..	11/17 ..	\$1,903 ..	P Tax							
.....	A-S6 .. 4.2/8 ..	11/17 ..	\$1,903 ..	P Tax							
MAZDA											
MX-5 Miata	A-4 .. 1.8/4 ..	22/28 ..	\$1,032 ..	P							
.....	M-5 .. 1.8/4 ..	23/28 ..	\$990 ..	P							
.....	M-6 .. 1.8/4 ..	23/28 ..	\$990 ..	P							
MERCEDES-BENZ											
SL500	A-5 .. 5.0/8 ..	15/22 ..	\$1,376 ..	P Tax							
SL55 AMG	A-5 .. 5.5/8 ..	14/20 ..	\$1,547 ..	P Tax							
SLK230 Kompressor	A-5 .. 2.3/4 ..	22/28 ..	\$1,032 ..	P							
.....	M-6 .. 2.3/4 ..	19/28 ..	\$1,126 ..	P							
SLK32 AMG	A-5 .. 3.2/6 ..	17/22 ..	\$1,302 ..	P							
SLK320	A-5 .. 3.2/6 ..	20/26 ..	\$1,126 ..	P							
.....	M-6 .. 3.2/6 ..	17/26 ..	\$1,238 ..	P							
NISSAN											
350Z	M-6 .. 3.5/6 ..	20/26 ..	\$1,126 ..	P							
.....	A-S5 .. 3.5/6 ..	19/26 ..	\$1,178 ..	P							

ABBREVIATIONS: Highest MPG in class

A- Automatic Transmission

A-S Special Automatic Transmission

AV Continuously Variable Transmission

AWD All Wheel Drive

City MPG on City Test Procedure

CNG Compressed Natural Gas

Conv Convertible

Convsn .. Conversion

D Diesel

E85 85% Ethanol/15% Gasoline

Elec Electric Vehicle

Eng Size Engine Volume in Liters

FFV Flexible Fuel Vehicle

FWD Front Wheel Drive

Hwy MPG on Highway Test Procedure

LPG Liquified Petroleum Gas

M- Manual Transmission

NA Not Available

P Premium Gasoline

Tax Subject to Gas Guzzler Tax

Trans Transmission Type

VTEC Variable Valve Timing and Lift Electronic Control

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations		Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
Carrera 2 Coupe	A-5 3.6/6 ..	18/26 .	\$1,178 ..	P			M-5 2.0/4 ..	23/31 .	\$895		
.....	M-6 3.6/6 ..	18/26 .	\$1,178 ..	P			M-6 2.0/4 ..	22/29 .	\$970		
Carrera 2 Coupe Kit	A-5 3.6/6 ..	18/26 .	\$1,178 ..	P			A-4 2.7/6 ..	20/26 .	\$1,058		
.....	M-6 3.6/6 ..	18/26 .	\$1,178 ..	P			M-5 2.7/6 ..	19/26 .	\$1,058		
Carrera 4 Cabriolet	A-5 3.6/6 ..	17/23 ..	\$1,302 ..	P			M-6 2.7/6 ..	18/26 .	\$1,107		
.....	M-6 3.6/6 ..	17/24 ..	\$1,302 ..	P							
Carrera 4 Cabriolet Kit	A-5 3.6/6 ..	17/23 ..	\$1,302 ..	P							
.....	M-6 3.6/6 ..	17/24 ..	\$1,302 ..	P							
Carrera 4 S	A-5 3.6/6 ..	17/23 ..	\$1,302 ..	P							
.....	M-6 3.6/6 ..	17/24 ..	\$1,302 ..	P							
Carrera 4S Kit	A-5 3.6/6 ..	17/23 ..	\$1,302 ..	P							
.....	M-6 3.6/6 ..	17/24 ..	\$1,302 ..	P							
Targa	A-5 3.6/6 ..	18/26 .	\$1,178 ..	P							
.....	M-6 3.6/6 ..	18/26 .	\$1,178 ..	P							
Targa Kit	A-5 3.6/6 ..	18/26 .	\$1,178 ..	P							
.....	M-6 3.6/6 ..	18/26 .	\$1,178 ..	P							
Turbo	A-5 3.6/6 ..	15/22 ..	\$1,455 ..	P Tax							
.....	M-6 3.6/6 ..	15/22 ..	\$1,376 ..	P Tax							
Turbo Kit	A-5 3.6/6 ..	15/22 ..	\$1,455 ..	P Tax							
.....	M-6 3.6/6 ..	15/22 ..	\$1,376 ..	P Tax							
VOLKSWAGEN											
New Beetle Conv	M-5 2.0/4 ..	24/30 ..	\$895 ..								
.....	S-6 2.0/4 ..	22/29 ..	\$970 ..								
SUBCOMPACT CARS											
ACURA											
RSX	M-5 2.0/4 ..	27/33 .	\$774								
.....	M-6 2.0/4 ..	24/31 .	\$916 ..	P							
.....	A-S5 ... 2.0/4 ..	24/33 ..	\$830								
AUDI											
A4 Cabriolet	A(AV) . 1.8/4 ..	23/30 ..	\$953 ..	P							
.....	A(AV) . 3.0/6 ..	20/27 ..	\$1,077 ..	P							
BENTLEY											
Azure	A-4 6.8/8 ..	11/16 ..	\$1,903 ..	P Tax							
Continental T	A-4 6.8/8 ..	11/16 ..	\$1,903 ..	P Tax							
BMW											
325CI	A-5 2.5/6 ..	20/28 ..	\$1,077 ..	P							
.....	M-5 2.5/6 ..	20/29 ..	\$1,032 ..	P							
330CI	A-5 3.0/6 ..	20/28 ..	\$1,077 ..	P							
.....	M-5 3.0/6 ..	21/30 ..	\$1,032 ..	P							
M3	M-6 3.2/6 ..	16/24 ..	\$1,302 ..	P Tax							
.....	A-S6 ... 3.2/6 ..	16/23 ..	\$1,302 ..	P Tax							
CHEVROLET											
Dual-Fuel Cavalier	A-4 2.2/4 ..	23/32 ..	\$751 ..	CNG							
.....	A-4 2.2/4 ..	24/33 ..	\$830 ..	Gas							
FERRARI											
456 MGT/MGTA	A-4 5.5/12 ..	10/15 ..	\$2,250 ..	P Tax							
.....	M-6 5.5/12 ..	10/16 ..	\$2,062 ..	P Tax							
FORD											
Escort ZX2	A-4 2.0/4 ..	26/31 ..	\$830								
.....	M-5 2.0/4 ..	26/33 ..	\$802								
Mustang	A-4 3.8/6 ..	19/27 ..	\$1,058								
.....	M-5 3.8/6 ..	20/29 ..	\$1,011								
.....	A-4 4.6/8 ..	18/24 ..	\$1,162 ..	2-Valve							
.....	A-4 4.6/8 ..	17/23 ..	\$1,162 ..	4-Valve							
.....	M-5 4.6/8 ..	18/26 ..	\$1,107 ..	2-Valve							
.....	M-5 4.6/8 ..	17/25 ..	\$1,162 ..	4-Valve							
.....	M-6 4.6/8 ..	16/22 ..	\$1,302 ..	P Tax							
HYUNDAI											
Tiburon	A-4 2.0/4 ..	23/30 ..	\$895								
COMPACT CARS											
ACURA											
3.2CL							M-6 3.2/6 ..	19/28 ..	\$1,126 ..	P	
.....							A-S5 ... 3.2/6 ..	20/29 ..	\$1,077 ..	P	
AUDI											
A4							A4 1.8/4 ..	23/29 ..	\$990 ..	P	
.....							M-5 1.8/4 ..	22/31 ..	\$990 ..	P	
.....							A(AV) . 3.0/6 ..	20/28 ..	\$1,077 ..	P	

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations		Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
KIA											
Optima	A-4 2.4/4 ..	22/30 .	\$930				M-5 1.8/4 ..	22/31 .	\$990 ..	P	
	M-5 2.4/4 ..	23/30 .	\$930				A-S5 .. 1.8/4 ..	21/30 .	\$990 ..	P	
	A-4 2.7/6 ..	20/27 ..	\$1,011				M-5 2.8/6 ..	20/28 ..	\$1,077 ..	P	
	M-5 2.7/6 ..	20/28 ..	\$1,011				A-S5 .. 2.8/6 ..	19/27 ..	\$1,126 ..	P	
LEXUS											
ES 300	A-5 3.0/6 ..	21/29 .	\$970								
GS 300/GS 430	A-S5 .. 3.0/6 ..	18/25 ..	\$1,178 ..	P							
	A-5 4.3/8 ..	18/23 ..	\$1,238 ..	P							
LINCOLN											
LS	A-5 3.0/6 ..	20/26	\$1,126 ..	P							
	A-S5 .. 3.0/6 ..	20/27	\$1,077 ..	P							
MERCEDES-BENZ											
E320	A-5 3.2/6 ..	19/27 ..	\$1,126 ..	P							
E500	A-5 5.0/8 ..	16/23 ..	\$1,302 ..	P Tax							
MERCURY											
Sable	A-4 3.0/6 ..	20/28 ..	\$1,011 ..	2-Valve							
	A-4 3.0/6 ..	20/27 ..	\$1,011 ..	4-Valve							
Sable FFV	A-4 3.0/6 ..	19/27 ..	\$1,058 ..	Gas							
	A-4 3.0/6 ..	14/20 ..	\$1,688 ..	E85							
MITSUBISHI											
Diamante Sedan	A-4 3.5/6 ..	17/25 ..	\$1,238 ..	P							
Galant	A-4 2.4/4 ..	21/27 ..	\$1,011								
	A-4 3.0/6 ..	20/27 ..	\$1,077 ..	P							
NISSAN											
Altima	A-4 2.5/4 ..	23/29 .	\$930								
	M-5 2.5/4 ..	23/29 .	\$895								
	A-4 3.5/6 ..	19/26 ..	\$1,107								
	M-5 3.5/6 ..	21/26 ..	\$1,011								
Maxima	A-4 3.5/6 ..	20/26 ..	\$1,058								
	M-6 3.5/6 ..	21/28 ..	\$970								
OLDSMOBILE											
Aurora	A-4 4.0/8 ..	17/26 ..	\$1,162								
PONTIAC											
Grand Prix	A-4 3.1/6 ..	20/29 ..	\$1,011								
	A-4 3.8/6 ..	17/27 ..	\$1,178 ..	P							
	A-4 3.8/6 ..	19/29 ..	\$1,011								
SAAB											
9-5	A-5 2.3/4 ..	20/29 ..	\$1,011								
	A-5 2.3/4 ..	20/29 ..	\$1,077 ..	P							
	M-5 2.3/4 ..	22/31 ..	\$930								
	M-5 2.3/4 ..	22/30 ..	\$990 ..	P							
	A-5 3.0/6 ..	18/26 ..	\$1,178 ..	P							
SATURN											
L200	A-4 2.2/4 ..	24/32 ..	\$860								
	M-5 2.2/4 ..	23/31 ..	\$895								
L300	A-4 3.0/6 ..	21/29 ..	\$970								
TOYOTA											
Camry	A-4 2.4/4 ..	23/32 ..	\$860								
	M-5 2.4/4 ..	23/33 ..	\$860								
	A-4 3.0/6 ..	20/28 ..	\$1,011								

ABBREVIATIONS:

 Highest MPG in class
A- Automatic Transmission
A-S Special Automatic Transmission
AV Continuously Variable Transmission
AWD All Wheel Drive
City MPG on City Test Procedure
CNG Compressed Natural Gas

Conv Convertible
Convsn .. Conversion

D Diesel
E85 85% Ethanol/15% Gasoline
Elec Electric Vehicle
Eng Size Engine Volume in Liters
FFV Flexible Fuel Vehicle
FWD Front Wheel Drive

Hwy MPG on Highway Test Procedure

LPG Liquified Petroleum Gas
M- Manual Transmission
NA Not Available
P Premium Gasoline
Tax Subject to Gas Guzzler Tax
Trans Transmission Type
VTEC Variable Valve Timing and Lift Electronic Control

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
GMC					
K1500 Sierra 4WD	A-4 4.3/6 ..	15/18 ..	\$1,453		
	M-5 4.0/6 ..	15/19 ..	\$1,367		
	M-5 4.0/6 ..	15/19 ..	\$1,367		
K1500 Sierra 4WD FFV	A-4 4.3/6 ..	10/12 ..	\$2,454 .. E85		
	A-4 5.3/8 ..	13/17 ..	\$1,551 .. Gas		
K1500 Sierra Denali AWD	A-4 6.0/8 ..	12/16 ..	\$1,660		
Sonoma 4WD	A-4 4.3/6 ..	15/19 ..	\$1,367		
	M-5 4.3/6 ..	14/18 ..	\$1,551		
MAZDA					
B3000 4WD	A-5 3.0/6 ..	16/20 ..	\$1,293		
	M-5 3.0/6 ..	18/21 ..	\$1,223		
B4000 4WD	A-5 4.0/6 ..	15/19 ..	\$1,367		
	M-5 4.0/6 ..	15/19 ..	\$1,367		
NISSAN					
Frontier V6-4WD	A-4 3.3/6 ..	15/18 ..	\$1,547 .. P		
	A-4 3.3/6 ..	16/20 ..	\$1,293		
	M-5 3.3/6 ..	15/17 ..	\$1,547 .. P		
	M-5 3.3/6 ..	17/20 ..	\$1,293		
TOYOTA					
Tacoma 4WD	A-4 2.7/4 ..	18/21 ..	\$1,223		
	M-5 2.7/4 ..	18/21 ..	\$1,223		
	A-4 3.4/6 ..	16/19 ..	\$1,367		
	M-5 3.4/6 ..	17/20 ..	\$1,293		
Tundra 4WD	A-4 3.4/6 ..	15/18 ..	\$1,367		
	M-5 3.4/6 ..	16/19 ..	\$1,367		
	A-4 4.7/8 ..	14/17 ..	\$1,551		

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
G1500/2500 Savana 2WD	A-4 4.3/6 ..	15/20 ..	\$1,367		
	A-4 5.3/8 ..	15/18 ..	\$1,453		
H15/25 Savana AWD Convsn	A-4 5.3/8 ..	13/17 ..	\$1,551		
H1500/2500 Savana AWD	A-4 5.3/8 ..	13/17 ..	\$1,551		
Safari 2WD	A-4 4.3/6 ..	17/23 ..	\$1,223		
Safari 2WD Convsn	A-4 4.3/6 ..	15/20 ..	\$1,367		
Safari AWD	A-4 4.3/6 ..	15/19 ..	\$1,367		
Safari AWD Convsn	A-4 4.3/6 ..	14/17 ..	\$1,551		
VANS, PASSENGER TYPE					
CHEVROLET					
Astro 2WD	A-4 4.3/6 ..	16/20 ..	\$1,367		
Astro AWD	A-4 4.3/6 ..	14/17 ..	\$1,551		
G1500/2500 Chevy Express 2WD	A-4 4.3/6 ..	15/20 ..	\$1,367		
	A-4 5.3/8 ..	14/18 ..	\$1,551		
H1500 Chevy Express AWD	A-4 5.3/8 ..	13/17 ..	\$1,551		
FORD					
E150 Club Wagon	A-4 4.2/6 ..	14/17 ..	\$1,551		
	A-4 4.6/8 ..	14/18 ..	\$1,453		
	A-4 5.4/8 ..	13/17 ..	\$1,551		
GMC					
G1500/2500 Savana 2WD	A-4 4.3/6 ..	15/20 ..	\$1,367		
	A-4 5.3/8 ..	14/18 ..	\$1,551		
H1500 Savana Van AWD	A-4 5.3/8 ..	13/17 ..	\$1,551		
Safari 2WD	A-4 4.3/6 ..	16/20 ..	\$1,367		
Safari AWD	A-4 4.3/6 ..	14/17 ..	\$1,551		
SPECIAL PURPOSE VEHICLE 2WD					
VOLKSWAGEN					
Eurovan Camper	A-4 2.8/6 ..	15/20 ..	\$1,455 .. P		
MINIVANS 2WD					
CHEVROLET					
Venture FWD	A-4 3.4/6 ..	19/26 ..	\$1,058		
CHRYSLER					
Voyager 2WD FFV	A-4 3.3/6 ..	13/17 ..	\$1,928 .. E85		
	A-4 3.3/6 ..	20/26 ..	\$1,058 .. Gas		
Voyager/Town&Country 2WD	A-4 2.4/4 ..	21/27 ..	\$1,011		
	A-4 3.8/6 ..	18/25 ..	\$1,107		
Voyager/Town&Country 2WD FFV	A-4 3.3/6 ..	13/17 ..	\$1,928 .. E85		
	A-4 3.3/6 ..	18/25 ..	\$1,162 .. Gas		
DODGE					
Caravan 2WD	A-4 2.4/4 ..	21/27 ..	\$1,011		
	A-4 3.8/6 ..	18/25 ..	\$1,107		
Caravan 2WD FFV	A-4 3.3/6 ..	13/17 ..	\$1,928 .. E85		
	A-4 3.3/6 ..	19/26 ..	\$1,058 .. Gas		
FORD					
Windstar FWD Cargo Van	A-4 3.8/6 ..	18/24 ..	\$1,162		
Windstar FWD Wagon	A-4 3.8/6 ..	17/23 ..	\$1,162		
HONDA					
Odyssey 2WD	A-5 3.5/6 ..	18/25 ..	\$1,107		
KIA					
Sedona	A-5 3.5/6 ..	15/20 ..	\$1,367		
MAZDA					
MPV	A-5 3.0/6 ..	18/25 ..	\$1,162		
OLDSMOBILE					
Silhouette FWD	A-4 3.4/6 ..	19/26 ..	\$1,058		
PONTIAC					
Montana FWD	A-4 3.4/6 ..	19/26 ..	\$1,058		

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations		Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
TOYOTA											
Sienna	A-4	3.0/6 ..	19/24 ..	\$1,107 ..							
MINIVANS 4WD											
CHEVROLET											
Venture AWD	A-4	3.4/6 ..	18/24 ..	\$1,162 ..							
CHRYSLER											
Town & Country AWD	A-4	3.8/6 ..	16/23 ..	\$1,223 ..							
DODGE											
Caravan AWD	A-4	3.8/6 ..	17/23 ..	\$1,223 ..							
OLDSMOBILE											
Silhouette AWD	A-4	3.4/6 ..	18/24 ..	\$1,162 ..							
PONTIAC											
Montana AWD	A-4	3.4/6 ..	18/24 ..	\$1,162 ..							
SPORT UTILITY VEHICLES 2WD											
BUICK											
Rendezvous FWD	A-4	3.4/6 ..	19/26 ..	\$1,058 ..							
CADILLAC											
Escalade 2WD	A-4	5.3/8 ..	14/18 ..	\$1,551 ..							
CHEVROLET											
Blazer 2WD	A-4	4.3/6 ..	17/23 ..	\$1,223 ..							
	M-5	4.3/6 ..	15/21 ..	\$1,293 ..							
C1500 Avalanche 2WD	A-4	5.3/8 ..	14/18 ..	\$1,551 ..							
C1500 Avalanche 2WD FFV	A-4	5.3/8 ..	10/13 ..	\$2,249 .. E85							
	A-4	5.3/8 ..	14/18 ..	\$1,551 .. Gas							
C1500 Suburban 2WD	A-4	5.3/8 ..	14/18 ..	\$1,551 ..							
C1500 Suburban 2WD FFV	A-4	5.3/8 ..	10/13 ..	\$2,249 .. E85							
	A-4	5.3/8 ..	14/18 ..	\$1,551 .. Gas							
C1500 Tahoe 2WD	A-4	4.8/8 ..	14/18 ..	\$1,453 ..							
	A-4	5.3/8 ..	14/18 ..	\$1,551 ..							
C1500 Tahoe 2WD FFV	A-4	5.3/8 ..	11/14 ..	\$2,249 .. E85							
	A-4	5.3/8 ..	14/19 ..	\$1,453 .. Gas							
Tracker Conv	A-4	2.0/4 ..	23/26 ..	\$970 ..							
	M-5	2.0/4 ..	23/26 ..	\$970 ..							
Tracker Hardtop	A-4	2.0/4 ..	23/26 ..	\$970 ..							
	M-5	2.0/4 ..	23/26 ..	\$970 ..							
Tracker LT	A-4	2.5/6 ..	19/21 ..	\$1,162 ..							
Trailblazer 2WD	A-4	4.2/6 ..	16/22 ..	\$1,293 ..							
Trailblazer EXT 2WD	A-4	4.2/6 ..	15/20 ..	\$1,367 ..							
	A-4	5.3/8 ..	15/19 ..	\$1,367 ..							
CHRYSLER											
PT Cruiser	A-4	2.4/4 ..	19/25 ..	\$1,178 .. P							
	A-4	2.4/4 ..	20/25 ..	\$1,058 ..							
	M-5	2.4/4 ..	21/29 ..	\$970 ..							
	M-5	2.4/4 ..	21/27 ..	\$1,077 .. P							
DODGE											
Durango 2WD	A-5	4.7/8 ..	14/19 ..	\$1,453 ..							
	A-4	5.9/8 ..	13/18 ..	\$1,551 ..							

ABBREVIATIONS:

Highest MPG in class
Automatic Transmission
Special Automatic Transmission
Continuously Variable Transmission
All Wheel Drive
MPG on City Test Procedure
Compressed Natural Gas

Convertible
Conversion

Diesel

85% Ethanol/15% Gasoline

Electric Vehicle

Engine Volume in Liters

Flexible Fuel Vehicle

Front Wheel Drive

Highway on Highway Test Procedure

Liquefied Petroleum Gas

Manual Transmission

Not Available

Premium Gasoline

Subject to Gas Guzzler Tax

Transmission Type

Variable Valve Timing and Lift Electronic Control

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations		Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
K1500 Yukon AWD FFV	A-4 5.3/8	10/13 . \$2,249.. E85				ML500	A-5 5.0/8 ..	14/17 . \$1,651 .. P			
	A-4 5.3/8	14/18 . \$1,453.. Gas				ML55 AMG	A-5 5.5/8 ..	14/18 . \$1,547 .. P			
K1500 Yukon XL 4WD	A-4 5.3/8	13/17 . \$1,551				MERCURY					
K1500 Yukon XL 4WD FFV	A-4 5.3/8	10/13 . \$2,249.. E85				Mountaineer 4WD	A-5 4.6/8 ..	14/19 . \$1,453			
	A-4 5.3/8	14/18 . \$1,453.. Gas				Mountaineer 4WD FFV	A-5 4.0/6 ..	11/15 . \$2,076.. E85			
K1500 Yukon XL AWD	A-4 5.3/8 ..	13/17 . \$1,551					A-5 4.0/6 ..	15/20 . \$1,367 .. Gas			
	A-4 6.0/8 ..	12/16 . \$1,660									
K1500 Yukon XL AWD FFV	A-4 5.3/8	10/13 . \$2,249.. E85				MITSUBISHI					
	A-4 5.3/8	14/18 . \$1,453.. Gas				Montero	A-4 3.8/6 ..	15/19 . \$1,455 .. P			
HONDA							A-S5	3.8/6 ..	15/19 . \$1,547 .. P		
CR-V 4WD	A-4 2.4/4 ..	22/26 \$970				Montero Sport 4WD	A-4 3.0/6 ..	17/20 . \$1,293			
	M-5 2.4/4 ..	21/25 . \$1,011					A-4 3.5/6 ..	16/18 . \$1,367			
Pilot	A-5 3.5/6 ..	17/22 . \$1,223				Outlander 4WD	A-S4	2.4/4 .. 20/25 . \$1,058			
HYUNDAI											
Santa Fe 4WD	A-4 2.7/6 ..	18/24 . \$1,162				NISSAN					
INFINITI						Pathfinder 4WD	A-4 3.5/6 ..	15/19 . \$1,367			
QX4 4WD	A-4 3.5/6 ..	15/19 . \$1,367					M-5 3.5/6 ..	17/19 . \$1,293			
ISUZU						Xterra V6-4WD	A-4 3.3/6 ..	15/18 . \$1,547 .. P			
Ascender 4WD	A-4 4.2/6 ..	15/20 . \$1,367					A-4 3.3/6 ..	16/20 . \$1,293			
	A-4 5.3/8 ..	14/18 . \$1,551					M-5 3.3/6 ..	15/19 . \$1,455 .. P			
Axiom 4WD	A-4 3.5/6 ..	16/20 . \$1,293					M-5 3.3/6 ..	17/20 . \$1,293			
Rodeo 4WD	A-4 3.2/6 ..	17/22 . \$1,223				OLDSMOBILE					
	M-5 3.2/6 ..	17/21 . \$1,223				Bravada AWD	A-4 4.2/6 ..	15/21 . \$1,367			
Rodeo Sport 4WD	A-4 3.2/6 ..	17/22 . \$1,223									
JEEP						PONTIAC					
Grand Cherokee 4WD	A-4 4.0/6 ..	16/21 . \$1,293				Aztek AWD	A-4 3.4/6 ..	18/24 . \$1,162			
	A-5 4.7/8 ..	15/20 . \$1,367									
Liberty/Cherokee 4WD	M-5 2.4/4 ..	20/24 . \$1,107				SATURN					
	A-4 3.7/6 ..	17/21 . \$1,223				Vue AWD	A(AV) . 2.2/4 ..	21/26 . \$1,011			
	M-5 3.7/6 ..	16/22 . \$1,293					A-5 3.0/6 ..	19/25 . \$1,107			
Wrangler/TJ 4WD	A-4 2.4/4 ..	18/19 . \$1,293				SUBARU					
	M-5 2.4/4 ..	18/20 . \$1,223				Baja AWD	A-4 2.5/4 ..	21/26 . \$1,011			
	A-4 4.0/6 ..	16/19 . \$1,367					M-5 2.5/4 ..	20/25 . \$1,058			
	M-5 4.0/6 ..	16/19 . \$1,367				Forester AWD	A-4 2.5/4 ..	21/27 . \$970			
KIA							M-5 2.5/4 ..	21/27 . \$1,011			
Sorento 4WD	A-4 3.5/6 ..	15/18 . \$1,453				SUZUKI					
LAND ROVER						Grand Vitara 4WD	A-4 2.5/6 ..	18/20 . \$1,223			
Freelander 3-door	A-5 2.5/6 ..	17/20 . \$1,293					M-5 2.5/6 ..	19/21 . \$1,162			
Freelander 5-door	A-5 2.5/6 ..	17/20 . \$1,223				Grand Vitara XL7 4WD	A-4 2.7/6 ..	17/20 . \$1,293			
Land Rover Disc Ser II	A-4 4.6/8 ..	12/16 . \$1,903.. P					M-5 2.7/6 ..	17/20 . \$1,223			
Range Rover	A-5 4.4/8 ..	12/17 . \$1,767.. P				Vitara 2-DR 4WD	A-4 2.0/4 ..	22/25 . \$1,011			
LEXUS							M-5 2.0/4 ..	22/25 . \$1,011			
GX 470	A-5 4.7/8 ..	15/18 . \$1,453				Vitara 4-DR 4WD	A-4 2.0/4 ..	22/25 . \$1,011			
LX 470	A-5 4.7/8 ..	13/17 . \$1,660					M-5 2.0/4 ..	22/25 . \$1,011			
LINCOLN						TOYOTA					
Aviator 4WD	A-5 4.6/8 ..	13/18 . \$1,551				4Runner 4WD	A-5 4.7/8 ..	15/19 . \$1,367			
MAZDA						Highlander 4WD	A-4 2.4/4 ..	19/24 . \$1,107			
Tribute 4WD	M-5 2.0/4 ..	22/25 . \$1,011					A-4 3.0/6 ..	18/22 . \$1,162			
	A-4 3.0/6 ..	18/23 . \$1,162				Land Cruiser Wagon 4WD	A-5 4.7/8 ..	13/17 . \$1,660			
MERCEDES-BENZ						Rav4 4WD	A-4 2.0/4 ..	22/27 . \$970			
G500	A-5 5.0/8 ..	13/14 . \$1,903.. P					M-5 2.0/4 ..	22/27 . \$970			
ML320	A-5 3.2/6 ..	15/19 . \$1,455.. P				Sequoia 4WD	A-4 4.7/8 ..	14/17 . \$1,551			

ABBREVIATIONS:

 Highest MPG in class
 A- Automatic Transmission
 A-S Special Automatic Transmission
 AV Continuously Variable Transmission
 AWD All Wheel Drive
 City MPG on City Test Procedure
 CNG Compressed Natural Gas

Conv Convertible
 Convsn .. Conversion
 D Diesel
 E85 85% Ethanol/15% Gasoline
 Elec Electric Vehicle
 Eng Size Engine Volume in Liters
 FFV Flexible Fuel Vehicle
 FWD Front Wheel Drive

Hwy MPG on Highway Test Procedure
 LPG Liquified Petroleum Gas
 M- Manual Transmission
 NA Not Available
 P Premium Gasoline
 Tax Subject to Gas Guzzler Tax
 Trans Transmission Type
 VTEC Variable Valve Timing and Lift Electronic Control

COMPRESSED NATURAL GAS VEHICLES

This section supplies the driving range and fuel economy values for vehicles designed to be operated on compressed natural gas (CNG). For bi-fuel vehicles, the values for both gasoline and CNG are shown. Bi-fuel vehicles are designed to be operated on either of two fuels, in separate tanks, and can switch between the two.

CNG fuel is normally dispensed in "equivalent gallons," where one equivalent gallon is equal to 121.5 cubic feet of CNG. Therefore, the fuel economy values are shown in miles per gallon-equivalent. Annual fuel cost estimates are based on an average fuel price of \$1.30 per gallon of CNG and \$1.55 per gallon of gasoline.

The driving range is shown in miles and represents the distance the vehicle can travel on a full tank (or tanks) of fuel during combined city and highway driving (55% city and 45% highway).

	Trans Type/ Speeds	Engine Size/ Cylinders	MPG City/Hwy	Annual Fuel Cost	Fuel	Range		Trans Type/ Speeds	Engine Size/ Cylinders	MPG City/Hwy	Annual Fuel Cost	Fuel	Range
SUBCOMPACT CARS													
CHEVROLET													
Cavalier	A-L4 ... 2.2/4 ...	23/32 ...	\$751 CNG 130**					FORD	STANDARD PICKUP TRUCKS 4WD				
	24/33 ...	\$830 Gas	..... 400**					F150 Pickup 4WD (Bi-Fuel)	A-4 5.4/8 ...	NA* NA* CNG NA*	NA* NA* Gas	..... NA*	
COMPACT CARS													
HONDA													
Civic (Nat'l Gas)	A-AV ... 1.7/4 ...	NA* NA* CNG NA*						DODGE	VANS, CARGO TYPE				
								Ram 2500 Van 2WD	A-L4 ... 5.2/8 ...	11/19 . \$1,392 CNG 230			
LARGE CARS													
FORD													
Crown Victoria (Nat'l gas) ..	A-4 4.6/8 ...	NA* NA* CNG NA*							*				
									The fuel economy (mpg) values and driving ranges are not available for some models as of press time. See www.fueleconomy.gov for updated information.				
STANDARD PICKUP TRUCKS 2WD													
CHEVROLET													
C2500 Silverado 2WD	A-4 6.0/8 ...	10/12 . \$1,773 CNG 180											
		10/12 \$2,113 Gas	..... 370										
FORD													
F150 (Nat'l Gas)	A-4 5.4/8 ...	12/16 \$1,392 CNG 250											
F150 Pickup 2WD (Bi-Fuel)	A-4 5.4/8 ...	NA* NA* CNG NA*											
		NA* NA* Gas	..... NA*										

LIQUEFIED PETROLEUM GAS (PROPANE) VEHICLES

This section contains the estimated city and highway fuel economy values and the driving range for passenger cars and light trucks designed to be operated on liquefied petroleum gas (LPG), which is commonly known as propane. For bi-fuel vehicles, both the gasoline and the LPG mpg values and driving ranges are listed, if available. Bi-fuel LPG vehicles have two fuel tanks. Annual fuel cost estimates are based on an average fuel price of \$1.30 per gallon of LPG and \$1.55 per gallon of gasoline.

	Trans Type/ Speeds	Engine Size/ Cylinders	MPG City/Hwy	Annual Fuel Cost	Fuel	Range		Trans Type/ Speeds	Engine Size/ Cylinders	MPG City/Hwy	Annual Fuel Cost	Fuel	Range
STANDARD PICKUP TRUCKS 2WD													
FORD													
F150 Pickup 2WD (Bi-Fuel)	A-4 5.4/8 ...	11/15 . \$1,500 LPG 270/240/340*							*				
		14/19 \$1,453 Gas	..... 480/400**						Driving ranges are shown for regular cab models, super cab models, and an optional fuel tank available for both models, respectively.				
STANDARD PICKUP TRUCKS 4WD													
FORD													
F150 Pickup 4WD (Bi-Fuel)	A-4 5.4/8 ...	11/15 . \$1,500 LPG 270/240/340*							** Driving range shown for regular cab and super cab models, respectively.				
		14/19 \$1,453 Gas	..... 480/400**										

ABBREVIATIONS:

A- Automatic Transmission
A-S Special Automatic Transmission
AV Continuously Variable Transmission
City MPG on City Test Procedure

CNG Compressed Natural Gas
Conv Convertible
E85 85% Ethanol/15% Gasoline
Eng Size Engine Volume in Liters
FFV Flexible Fuel Vehicle

Hwy MPG on Highway Test Procedure
LPG Liquified Petroleum Gas
M- Manual Transmission
NA Not Available
Trans Transmission Type

DIESEL VEHICLES

This section contains fuel economy values for diesel-fueled vehicles. Diesel fuel contains approximately 10% more energy per gallon than gasoline. In addition, diesel engines have higher compression ratios, run "lean," and are unthrottled, giving them a substantial fuel economy advantage over gasoline engines. Annual fuel cost is estimated assuming 15,000 miles of travel each year (55% city and 45% highway) and a diesel fuel cost of \$1.40 per gallon.

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations		Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations	
SUBCOMPACT CARS												
VOLKSWAGEN												
New Beetle (diesel)	A-4	1.9/4	34/44	\$552			Jetta Wagon (diesel)	A-4	1.9/4	34/45	\$552	
	M-5	1.9/4	42/49	\$466				M-5	1.9/4	42/50	\$466	
COMPACT CARS												
VOLKSWAGEN												
Golf (diesel)	A-4	1.9/4	34/45	\$552			Jetta (diesel)	A-4	1.9/4	34/45	\$552	
	M-5	1.9/4	42/49	\$466				M-5	1.9/4	42/49	\$466	

ELECTRIC VEHICLES

This section contains the driving range and fuel economy values for fully electric-powered passenger vehicles. The fuel economy values for electric vehicles are shown in kilowatt-hours per 100 miles, instead of miles per gallon. **A lower number of kilowatt-hours means a more efficient vehicle.**

The driving range is shown in miles and represents the maximum distance the vehicle can travel under optimum conditions before the battery needs recharging. The actual energy consumption and range of the vehicle will vary depending on driving conditions, battery condition, and accessory usage, and is strongly affected by outside temperature and the use of heating and air conditioning. Fuel costs will vary considerably because of the differences in electricity costs across the United States.

You can calculate the fuel cost (in dollars) of driving your electric vehicle for a year by multiplying the energy consumption for the vehicle as listed below (in kilowatt-hours/100 miles) by your local electricity rate (in dollars per kilowatt-hour), multiplying that by the annual miles the vehicle will be driven, and dividing by 100.

Check with your dealer for availability, as some electric vehicles may be offered for sale or lease only in certain parts of the country.

	Battery	Motor	City/Hwy	Fuel	Range
SPORT UTILITY VEHICLE 2WD					
TOYOTA					
RAV4 EV	Nickel Metal Hydride	50 kW AC*	27/34	Elec	136

RAV4 electric vehicles are available to fleet buyers in Massachusetts, New York and Vermont, and to anyone in California.

* Kilowatts of alternating current

ABBREVIATIONS:	Conv Convertible	Hwy MPG on Highway Test Procedure
A- Automatic Transmission	D Diesel	M- Manual Transmission
A-S Special Automatic Transmission	Elec Electric Vehicle	NA Not Available
AV Continuously Variable Transmission	Eng Size Engine Volume in Liters	T Turbocharger/Supercharger
City MPG on City Test Procedure	FFV Flexible Fuel Vehicle	Trans Transmission Type

FUEL CELL VEHICLES

ADVANCED TRANSPORTATION TECHNOLOGY

Although fuel cell vehicles (FCVs) are not expected to reach the mass market before 2010, a limited number will be available for sale or lease to demonstration fleets in 2003-4. Vehicle availability will be restricted to drivers in certain parts of the country with a readily accessible hydrogen supply. The vehicle listed below is the first FCV to be emission-certified by EPA.

FCVs represent a radical departure from conventional vehicles with internal combustion engines. They use emerging technology with the potential to substantially reduce harmful emissions, as well as energy use and our dependence on foreign oil. Like battery-electric vehicles, FCVs are propelled by electric motors. The important difference, however, is that rather than storing electricity by recharging batteries, fuel cells produce electricity directly from the chemical energy of hydrogen fuel.

FCVs are more efficient than vehicles with internal combustion engines, and the only by-product of a hydrogen fuel cell is water. Like hybrid-electric and battery-electric vehicles, FCVs may also incorporate other advanced automotive technologies to increase efficiency.

THE CHALLENGES AHEAD

Much work remains before FCVs can be mass-marketed and sold at local dealerships. Significant research and development is required to reduce costs and improve performance in areas such as driving range, cold-weather operation, and durability. A new refueling infrastructure will be required to make hydrogen fuel widely available to consumers.

Automakers, fuel cell developers, component suppliers, government agencies, and others are working hard to accelerate the introduction of FCVs. In fact, partnerships such as the DOE-led FreedomCAR Initiative and the California Fuel Cell Partnership have been formed to encourage private companies and government agencies to work together to prove this technology's viability and move FCVs toward widespread commercialization. For more information about FCVs and links to fuel cell web sites, please visit www.fueleconomy.gov/feg/fuelcell.shtml.

FCVs can store hydrogen on-board or can be equipped to produce hydrogen on-board from a liquid fuel like gasoline or alcohol; if hydrogen is stored on-board.

Fuel Cell	Motor	Miles per KG of Hydrogen City/Hwy	Energy Storage Device	Fuel	Range
COMPACT CAR					
HONDA FCX Proton Exchange Membrane 60kW DC* 51/48 Ultra Capacitor Hydrogen 170 miles					

* Kilowatts of direct current

Availability: A limited number of 2003 Honda FCX fuel cell vehicles (approximately 10 vehicles) are expected to be available for lease to certain customers in the southern California area.

SAMPLE FUEL ECONOMY LABEL

(Attached to New Vehicle Window)

This is the average estimate for city driving.

These numbers represent a range of fuel economy that most drivers achieve with this particular model.

Use these two estimates to compare to other models.

This is the average estimate for highway driving.

Compare this vehicle to others by using the FREE FUEL ECONOMY GUIDE available in the dealer showroom.

CITY MPG

24

HIGHWAY MPG

31



Actual Mileage will vary with options, driving conditions, driving habits and vehicle's condition. Results reported to EPA indicate that the majority of vehicles with these estimates will achieve between

19 and 29 mpg in the city

and between

25 and 37 mpg on the highway.

2003 GREEN CAR 2WD, 4 CYL, 2.0 LITER, MULTIPoint FUEL INJECTION, 4-SPEED AUTO TRANS, CATALYST.

For Comparison Shopping
All vehicles classified as COMPACT CARS have been issued mileage ratings ranging from

11 to 52 mpg city

and

16 to 59 mpg highway.

Estimated Annual Fuel Cost:
\$845

See www.fueleconomy.gov

These numbers represent the range of fuel economy for other models of this size class.

This fuel cost is based on 15,000 mi/yr at \$1.55 per gallon for regular unleaded and \$1.65 for premium.

Check the fuel economy label on the vehicle at the dealer showroom for its specific fuel economy (mpg) ratings. The ratings may vary slightly from the values in this guide because of engine and fuel system differences not listed here.

FOR MORE ABOUT FUEL ECONOMY AND TO PRINT A COPY OF THE FUEL ECONOMY GUIDE, PLEASE VISIT:

www.fueleconomy.gov

FOR ADDITIONAL PRINTED COPIES, PLEASE WRITE OR CALL:

NREL Fuel Economy Guide Request
1617 Cole Blvd., MS 1633
Golden, CO 80401
1-800-423-1363