

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
Forester AWD .....	M-5	2.5/4	18/23	\$1,200	P T
.....	M-5	2.5/4	21/28	\$876	
<b>SUZUKI</b>					
Grand Vitara 4WD .....	A-4	2.5/6	19/22	\$1,050	
.....	M-5	2.5/6	19/22	\$1,050	
Grand Vitara XL7 4WD .....	A-5	2.7/6	17/22	\$1,105	
.....	M-5	2.7/6	17/22	\$1,105	
Vitara 4-door 4WD .....	A-4	2.5/6	19/22	\$1,050	
.....	M-5	2.5/6	19/22	\$1,050	
<b>TOYOTA</b>					
4Runner 4WD .....	A-4	4.0/6	17/21	\$1,105	
.....	A-5	4.7/8	15/19	\$1,235	
Highlander 4WD .....	A-4	2.4/4	21/25	\$956	
.....	A-5	3.3/6	18/24	\$1,000	

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
Land Cruiser Wagon 4WD .....	A-5	4.7/8	13/17	\$1,499	
Rav4 4WD .....	A-4	2.4/4	22/27	\$876	
.....	M-5	2.4/4	22/27	\$876	
Sequoia 4WD .....	A-4	4.7/8	14/17	\$1,401	
<b>VOLKSWAGEN</b>					
Touareg .....	A-S6	3.2/6	15/20	\$1,411	P
.....	A-S6	4.2/8	14/18	\$1,601	P
.....	A-S6	5.0/10	17/23	\$1,065	D
<b>VOLVO</b>					
XC 70 AWD .....	A-S5	2.5/5	19/24	\$1,142	P T
XC 90 AWD .....	A-S5	2.5/5	18/24	\$1,200	P T
.....	A-S4	2.9/6	15/20	\$1,411	P T
.....	A-S4	2.5/4	18/23	\$1,200	P T

## HYBRID-ELECTRIC VEHICLES

It's no accident the most fuel-efficient vehicles in some classes for the 2004 model year are hybrid-electric vehicles (HEVs). Hybrids can be configured in many different ways to achieve a variety of different objectives. They combine the best features of the internal combustion engine with an electric motor and can significantly improve fuel economy without sacrificing performance or driving range. HEVs may also be configured to provide electrical power to auxiliary loads such as power tools.

HEVs are primarily propelled by an internal combustion engine, just like conventional vehicles. However, they also convert energy normally wasted during coasting and braking into electricity, which is stored in a battery until needed by the electric motor. The electric motor is used to assist the engine when accelerating or hill climbing and in low-speed driving conditions where internal

combustion engines are least efficient. Unlike all-electric vehicles, HEVs now being offered do not need to be plugged into an external source of electricity to be recharged; conventional gasoline and regenerative braking provide all the energy the vehicle needs.

Potential buyers should also be aware that the federal government is currently offering tax incentives for HEVs and other alternative fuel vehicles. Some states also offer incentives.

Additional information on HEVs, including tax incentives, can be found at [www.fueleconomy.gov/feg/hybrid\\_sbs.shtml](http://www.fueleconomy.gov/feg/hybrid_sbs.shtml). Annual fuel cost is estimated assuming 15,000 miles of travel each year (55% city and 45% highway) and a gasoline fuel cost of \$1.40 per gallon.

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>TWO SEATERS</b>					
<b>HONDA</b>					
Insight .....	AV	1.0/3	57/56	\$376	
.....	M-5	1.0/3	60/66	\$334	LB

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>COMPACT CARS</b>					
<b>HONDA</b>					
Civic Hybrid .....	AV	1.3/4	48/47	\$437	LB
.....	M-5	1.3/4	46/51	\$437	LB
.....	AV	1.3/4	47/48	\$447	
.....	M-5	1.3/4	45/51	\$447	

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>MIDSIZE CARS</b>					
<b>TOYOTA</b>					
Prius .....	AV	1.5/4	60/51	\$382	

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>STANDARD PICKUP TRUCKS 2WD</b>					
<b>CHEVROLET</b>					
C15 Silverado Hybrid .....	A-4	5.3/8	18/20	\$1,105	
<b>GMC</b>					
C15 Sierra Hybrid .....	A-4	5.3/8	18/20	\$1,105	

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>STANDARD PICKUP TRUCKS 4WD</b>					
<b>CHEVROLET</b>					
K15 Silverado Hybrid .....	A-4	5.3/8	17/19	\$1,168	
<b>GMC</b>					
K15 Sierra Hybrid .....	A-4	5.3/8	17/19	\$1,168	

\* Fuel economy estimates not available at time of publication. Visit [www.fueleconomy.gov](http://www.fueleconomy.gov) for updated information.

ABBREVIATIONS:	Conv .....	Convertible	LB.....	Lean Burn Fuel System
A .....	E85 .....	85% Ethanol/15% Gasoline	LPG .....	Liquified Petroleum Gas
A-S .....	Eng Size ..	Engine Volume in Liters	M .....	Manual Transmission
AV .....	FFV .....	Flexible Fuel Vehicle	NA .....	Not Available
City .....	Hwy .....	MPG on Highway Test Procedure	Trans.....	Transmission
CNG .....				

## ETHANOL FLEXIBLE-FUEL VEHICLES

This section contains the driving range and fuel economy values for ethanol flexible-fuel passenger cars and light trucks. Ethanol flexible-fuel vehicles are designed to operate on gasoline, E85 (a mixture of 85% ethanol and 15% gasoline), or any mixture of the two fuels. Annual fuel cost is estimated assuming 15,000 miles of travel each year (55% city and 45% highway) and an average fuel cost of \$1.50 per gallon of E85 and \$1.40 per gallon of gasoline.

The driving range and fuel economy values are shown for both gasoline and E85. When operating your FFV on mixtures of gasoline and E85, such as when alternating between using these fuels, your driving range and fuel economy values will be somewhere between those listed for the two fuels, depending on the actual percentage of gasoline and E85 in the tank.

### COMPACT CARS

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Fuel	Range
<b>CHRYSLER</b>						
Sebring Convertible	A-4	2.7/6	15/20	\$1,323	E85	270
			21/28	\$914	Gas	390
Sebring Conv (2-Mode)	A-4	2.7/6	15/20	\$1,323	E85	270
			21/28	\$876	Gas	390
<b>MERCEDES-BENZ</b>						
C240 FFV	A-5	2.6/6	14/19	\$1,406	E85	260
			20/25	\$1,092	Premium	360
C320 FFV	A-5	3.2/6	15/19	\$1,406	E85	260
			20/26	\$1,092	Premium	360
C320 Sports Coupe FFV	A-5	3.2/6	15/19	\$1,406	E85	260
			20/26	\$1,092	Premium	360

### MIDSIZE CARS

<b>CHRYSLER</b>						
Sebring 4-door	A-4	2.7/6	15/20	\$1,323	E85	270
			21/28	\$914	Gas	390
Sebring 4-door (2-Mode)	A-4	2.7/6	15/20	\$1,323	E85	270
			21/28	\$876	Gas	390
<b>DODGE</b>						
Stratus 4-door	A-4	2.7/6	15/20	\$1,323	E85	270
			21/28	\$914	Gas	390
Stratus 4-door (2-Mode)	A-4	2.7/6	15/20	\$1,323	E85	270
			21/28	\$876	Gas	390
<b>MERCURY</b>						
Sable	A-4	3.0/6	15/20	\$1,323	E85	310
			20/27	\$956	Gas	400

### LARGE CARS

<b>FORD</b>						
Taurus	A-4	3.0/6	16/20	\$1,323	E85	310
			20/27	\$956	Gas	400

### SMALL STATION WAGONS

<b>MERCEDES-BENZ</b>						
C240 Wagon FFV	A-5	2.6/6	14/19	\$1,406	E85	260
			20/25	\$1,092	Premium	360
C320 Wagon FFV	A-5	3.2/6	15/19	\$1,406	E85	260
			20/26	\$1,092	Premium	360

### MIDSIZE STATION WAGONS

<b>FORD</b>						
Taurus Wagon	A-4	3.0/6	14/20	\$1,406	E85	290
			19/26	\$956	Gas	390
<b>MERCURY</b>						
Sable Wagon	A-4	3.0/6	14/20	\$1,406	E85	290
			19/26	\$956	Gas	390

### STANDARD PICKUP TRUCKS 2WD

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Fuel	Range
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<b>CHEVROLET</b>						
C1500 Silverado 2WD	A-4	5.3/8	11/14	\$1,874	E85	310/390*
			15/19	\$1,312	Gas	410/520*
<b>DODGE</b>						
Ram 1500 Pickup 2WD	A-5	4.7/8	9/11	\$2,250	E85	260
			12/15	\$1,615	Gas	340
<b>FORD</b>						
Explorer Sport Trac 2WD	A-5	4.0/6	12/16	\$1,730	E85	290
			16/21	\$1,168	Gas	410
<b>GMC</b>						
C1500 Sierra 2WD	A-4	5.3/8	11/14	\$1,874	E85	310/390*
			15/19	\$1,312	Gas	410/520*

### SPORT UTILITY VEHICLES 2WD

<b>CHEVROLET</b>						
C1500 Avalanche 2WD	A-4	5.3/8	10/14	\$1,874	E85	310/390*
			14/18	\$1,401	Gas	410/520*
C1500 Suburban 2WD	A-4	5.3/8	10/14	\$1,874	E85	310/390*
			14/18	\$1,401	Gas	410/520*
C1500 Tahoe 2WD	A-4	5.3/8	11/14	\$1,874	E85	310/390*
			14/19	\$1,312	Gas	410/520*
<b>FORD</b>						
Explorer 2WD FFV	A-5	4.0/6	12/16	\$1,730	E85	290
			16/21	\$1,168	Gas	410
<b>GMC</b>						
C1500 Yukon 2WD	A-4	5.3/8	11/14	\$1,874	E85	310/390*
			14/19	\$1,312	Gas	410/520*
C1500 Yukon XL 2WD	A-4	5.3/8	10/14	\$1,874	E85	310/390*
			14/18	\$1,401	Gas	410/520*

<b>MERCURY</b>						
Mountaineer 2WD FFV	A-5	4.0/6	12/16	\$1,730	E85	290
			16/21	\$1,168	Gas	410

### SPORT UTILITY VEHICLES 4WD

<b>CHEVROLET</b>						
K1500 Avalanche 4WD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Avalanche AWD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Suburban 4WD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Suburban AWD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Tahoe 4WD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Tahoe AWD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*

<b>DODGE</b>						
Ram 1500 Pickup 4WD	A-5	4.7/8	9/11	\$2,250	E85	260
			12/15	\$1,615	Gas	340

<b>FORD</b>						
Explorer 4WD FFV	A-5	4.0/6	12/15	\$1,730	E85	290
			15/20	\$1,235	Gas	380

\* Driving ranges are shown for standard and optional fuel tanks.

**ABBREVIATIONS:**

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

Conv ..... Convertible  
 D ..... Diesel  
 Elec ..... Electric Vehicle  
 Eng Size .. Engine Volume in Liters  
 FFV ..... Flexible Fuel Vehicle

Hwy ..... MPG on Highway Test Procedure  
 M ..... Manual Transmission  
 NA ..... Not Available  
 T ..... Turbocharger/Supercharger  
 Trans ..... Transmission

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Fuel	Range
<b>GMC</b>						
K1500 Yukon 4WD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Yukon AWD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Yukon XL 4WD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
K1500 Yukon XL AWD	A-4	5.3/8	10/14	\$1,874	E85	280/380*
			14/18	\$1,312	Gas	380/510*
<b>MERCURY</b>						
Mountaineer 4WD	A-5	4.0/6	11/14	\$1,874	E85	270
			15/19	\$1,235	Gas	380

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Fuel	Range
<b>STANDARD PICKUP TRUCKS 4WD</b>						
<b>CHEVROLET</b>						
K1500 Silverado 4WD	A-4	5.3/8	10/13	\$2,045	E85	280/380*
			14/17	\$1,401	Gas	380/510*
<b>DODGE</b>						
Ram 1500 4WD	A-5	4.7/8	9/11	\$2,250	E85	260
			12/15	\$1,615	Gas	340
<b>FORD</b>						
Explorer Sport Trac 4WD	A-5	4.0/6	12/15	\$1,730	E85	290
			15/20	\$1,235	Gas	380
<b>GMC</b>						
K1500 Sierra 4WD	A-4	5.3/8	10/13	\$2,045	E85	280/380*
			14/17	\$1,401	Gas	380/510*

### 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 \$1.35 per gallon.

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>SUBCOMPACT CARS</b>					
<b>VOLKSWAGEN</b>					
New Beetle	M-5	1.9/4	38/46	\$494	
	A-S6	1.9/4	36/42	\$533	
<b>COMPACT CARS</b>					
<b>VOLKSWAGEN</b>					
Golf	M-5	1.9/4	38/46	\$494	
	A-S5	1.9/4	33/44	\$547	
Jetta	M-5	1.9/4	38/46	\$494	
	A-S5	1.9/4	33/44	\$547	

	Trans Type / Speeds	Eng Size / Cylinders	MPG City / Hwy	Annual Fuel Cost	Notes / Abbreviations
<b>SMALL STATION WAGONS</b>					
<b>VOLKSWAGEN</b>					
Jetta Wagon	M-5	1.9/4	36/47	\$494	
	A-S5	1.9/4	33/44	\$547	
<b>SPORT UTILITY VEHICLES 4WD</b>					
<b>VOLKSWAGEN</b>					
Touareg	A-S6	5.0/10	17/23	\$1,065	

### 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 \$1.40 per gallon of LPG and \$1.40 per gallon of gasoline.

	Trans Type / Speeds	Engine Size / Cylinders	MPG City/Hwy	Annual Fuel Cost	Fuel	Range
<b>STANDARD PICKUP TRUCKS 2WD</b>						
<b>FORD</b>						
F150 Pickup 2WD (bi-fuel)	A-4	5.4/8	11/15	\$1,615	LPG	270/240/340*
			14/19	\$1,313	Gas	480/400**
<b>STANDARD PICKUP TRUCKS 4WD</b>						
<b>FORD</b>						
F150 Pickup 4WD (bi-fuel)	A-4	5.4/8	11/15	\$1,615	LPG	270/240/340*
			14/19	\$1,313	Gas	480/400**

\* Driving ranges are shown for regular-cab models, super-cab models, and an optional fuel tank available for both models, respectively.

\*\* Driving range shown for regular-cab and super-cab models, respectively.

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

## 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 \$0.90 per gallon of CNG and \$1.40 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
<b>SUBCOMPACT CARS</b>						
<b>CHEVROLET</b>						
Cavalier (bi-fuel) .....	A-4	2.2/4	23/32	\$520 ..	CNG .....	130
			24/32	\$777 ..	Gas .....	390
<b>COMPACT CARS</b>						
<b>HONDA</b>						
Civic (CNG only) .....	AV	1.7/4	30/34	\$421 ..	CNG .....	200
<b>LARGE CARS</b>						
<b>FORD</b>						
Crown Victoria .....	A-4	4.6/8	17/25	\$1,050 ..	CNG .....	130
<b>STANDARD PICKUP TRUCKS 2WD</b>						
<b>CHEVROLET</b>						
C2500 HD Silverado 2WD..	A-4	6.0/8	10/12	\$1,227 ..	CNG .....	180
(CNG only)						
<b>FORD</b>						
F150 Natural Gas .....	A-4	5.4/8	12/16	\$964 ..	CNG .....	250
F150 2WD (bi-fuel) .....	A-4	5.4/8	11/15	\$1,038 ..	CNG .....	120
			12/16	\$1,615 ..	Gas .....	120

	Trans Type / Speeds	Engine Size / Cylinders	MPG City/Hwy	Annual Fuel Cost	Fuel	Range
<b>STANDARD PICKUP TRUCKS 4WD</b>						
<b>FORD</b>						
F150 Pickup 4WD (bi-fuel) ..	A-4	5.4/8	11/14	\$1,125 ..	CNG .....	120
			12/15	\$1,615 ..	Gas .....	120
<b>VANS, CARGO TYPE</b>						
<b>CHEVROLET</b>						
Express (bi-fuel) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	170
			12/16	\$1,615 ..	Gas .....	420
Express (CNG only) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	320
<b>GMC</b>						
Savana (bi-fuel) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	170
			12/16	\$1,615 ..	Gas .....	420
Savana (CNG only) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	320
<b>VANS, PASSENGER TYPE</b>						
<b>CHEVROLET</b>						
Express (bi-fuel) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	170
			12/16	\$1,615 ..	Gas .....	420
Express (CNG only) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	320
<b>GMC</b>						
Savana (bi-fuel) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	170
			12/16	\$1,615 ..	Gas .....	420
Savana (CNG only) .....	A-4	6.0/8	12/16	\$1,038 ..	CNG .....	320

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 M ..... Manual Transmission NA ..... Not Available Trans ..... Transmission
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