

fuel economy.gov

MODEL YEAR
2023

Fuel Economy Guide

Save fuel. Save money.



U.S. DEPARTMENT OF
ENERGY

U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
U.S. Environmental Protection Agency

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USING THE *FUEL ECONOMY GUIDE*



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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. The *Guide* is available on the Web at [fueleconomy.gov](https://www.fueleconomy.gov).

Fuel Economy Estimates

The purpose of EPA's fuel economy estimates is to provide a reliable basis for comparing vehicles.

Most vehicles in this guide (other than plug-in hybrids) have three fuel economy estimates:

- A "city" estimate that represents urban driving, in which a vehicle is started in the morning (after being parked all night) and driven in stop-and-go traffic
- A "highway" estimate that represents a mixture of rural and interstate highway driving in a warmed-up vehicle, typical of longer trips in free-flowing traffic
- A "combined" estimate that represents a combination of city driving (55%) and highway driving (45%)

Estimates for all vehicles are based on laboratory testing under standardized conditions to allow for fair comparisons.

Flexible fuel vehicles (FFVs), which can use gasoline and E85, have estimates for both fuels. Plug-in hybrid electric vehicles (PHEVs) have estimates for (1) electric-only or blended electric and gasoline operation and (2) gasoline-only operation. PHEVs are discussed in more detail on page 28. For answers to frequently asked questions about fuel economy estimates, visit [fueleconomy.gov](https://www.fueleconomy.gov).

Annual Fuel Cost Estimates

This guide provides annual fuel cost estimates, rounded to the nearest \$50, for each vehicle. The estimates are 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 \$3.58/gallon for regular unleaded gasoline, \$4.18/gallon for mid-grade unleaded gasoline, and \$4.52/gallon for premium. Cost-per-gallon assumptions for vehicles that use other fuel types are discussed at the beginning of those vehicle sections.

Visit [fueleconomy.gov](https://www.fueleconomy.gov) to personalize fuel costs based on current fuel prices and your driving habits.

Your Fuel Economy Will Vary

EPA's fuel economy values are good estimates of the fuel economy a typical driver will achieve under average driving conditions and provide a good basis to compare one vehicle to another. Still, your fuel economy may be slightly higher or lower than EPA's estimates. Fuel economy varies, sometimes significantly, based on driving conditions, driving style, and other factors.

To ensure that estimates are consistent across different makes and models, the EPA estimates are based on a standardized, repeatable testing procedure. These tests model an "average" driver's environment and behavior based on real-world conditions, such as stop-and-go traffic.

However, it is impossible for a single test to predict fuel economy precisely for all drivers in all environments. For example, the following factors can lower your vehicle's fuel economy:

- Aggressive driving (speeding and hard acceleration and hard braking)
- Excessive idling, accelerating, and braking in stop-and-go traffic
- Cold weather (engines are more efficient when warmed up). The impact is greater for short trips.
- Driving with a heavy load or with the air conditioner running
- Improperly tuned engine or under-inflated tires
- Driving on mountainous or hilly terrain
- High-performance or snow tires
- Use of remote starters

In addition, small variations in vehicle manufacturing can cause fuel economy variations in the same make and model, and some vehicles don't attain maximum fuel economy until they are "broken in" (around 3,000–5,000 miles).

With fuel-efficient driving techniques, drivers may also achieve better fuel economy than the EPA estimates. See "Improve Your Fuel Economy" on page 6 for tips on maximizing your fuel economy.

The EPA ratings are a useful tool for comparing vehicles because they are always done in precisely the same way under the same set of conditions. However, they may not accurately predict the fuel economy you will get. This is also true for annual fuel cost estimates. For more information on fuel economy ratings and factors that affect fuel economy, visit [fueleconomy.gov](https://www.fueleconomy.gov).



HOW THE *GUIDE* IS ORGANIZED

Fuel economy estimates for all vehicles begin with the "2023 Model Year Vehicles" section on page 10. Vehicles are organized by EPA vehicle class and, for trucks and vans, drive type (two- or four-wheel drive).

Additional sections are dedicated to specific vehicle technology or fuel types for consumers looking for advanced vehicles or alternatives to gasoline vehicles—diesels, plug-in hybrids, all-electric vehicles, flex-fuel vehicles, and fuel cell vehicles.

WHY SOME VEHICLES ARE NOT LISTED

Light-duty fuel economy regulations do not apply to

- Sport utility vehicles (SUVs) and passenger vans with a gross vehicle weight rating (GVWR) of more than 10,000 pounds—GVWR is the vehicle weight plus carrying capacity
- Other vehicles with a GVWR of 8,500 pounds or more

Therefore, manufacturers do not have to estimate their fuel economy, and fuel economy labels are not posted on their windows. Also, fuel economy information on some vehicles was not available in time to be included in this guide. More up-to-date information can be found at [fueleconomy.gov](https://www.fueleconomy.gov).

VEHICLE CLASSES USED IN THIS GUIDE

CARS		TRUCKS	
Class	Passenger & Cargo Volume (cu. ft.)	Class	Gross Vehicle Weight Rating* (pounds)
TWO-SEATER CARS	Any	PICKUP TRUCKS	
SEDANS		Small	Under 6,000
Minicompact	Under 85	Standard	6,000 to 8,500
Subcompact	85 to 99	VANS	
Compact	100 to 109	Passenger	Under 10,000
Midsize	110 to 119	Cargo	Under 8,500
Large	120 or more	MINIVANS	Under 8,500
STATION WAGONS		SPORT UTILITY VEHICLES	
Small	Under 130	Small	Under 6,000
Midsize	130 to 159	Standard	6,000 to 9,999
Large	160 or more	SPECIAL PURPOSE VEHICLES	Under 8,500

*Gross vehicle weight rating is vehicle weight plus carrying capacity.

UNDERSTANDING THE *GUIDE* LISTINGS

We hope you find the *Fuel Economy Guide* easy to use! Fuel economy and annual fuel cost data are organized by vehicle class (see page 1 for a list of classes). Within each class, vehicles are listed alphabetically by manufacturer and model.

Vehicle models with different features, such as engine size or transmission type, are listed separately. Engine and transmission attributes are shown in the first column under the model name.

Additional attributes needed to distinguish among vehicles (e.g., fuel type or suggested fuel grade) are listed in the "Notes" column. A legend for abbreviations is provided on page 10.

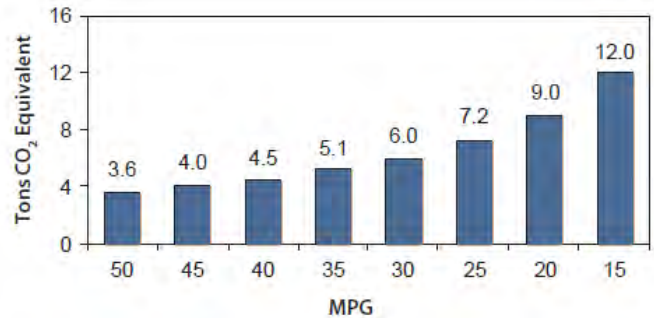
A "P" in the "Notes" column indicates that the manufacturer *recommends* that the vehicle be fueled with premium-grade gasoline, and a "PR" indicates that the manufacturer *requires* premium. The higher price of premium fuel is reflected in the annual fuel cost of these vehicles.

The most fuel-efficient vehicles in each class and alternative fuel vehicles are indicated with special markings (see the diagram below). Vehicles that can use more than one kind of fuel have an entry for each fuel type. Interior passenger and cargo volumes are located in the index at the back of the *Guide*.

Each vehicle listing includes a greenhouse gas (GHG) rating on a scale of 1 (worst) to 10 (best). This rating is a comparison of the tailpipe GHG emissions of the vehicle to those of other vehicles of the same model year.

Highway vehicles account for about 23% (1.4 billion tons) of U.S. greenhouse gas emissions each year. The average recent-model vehicle causes the release of 5 to 9 tons of GHGs each year. Switching from a vehicle that gets 20 miles per gallon (MPG) to one that gets 25 MPG can reduce GHG emissions by 1.7 tons per year. Switching to an electric vehicle could reduce your GHG emissions even more. Check out EPA and DOE's Beyond Tailpipe Emissions Calculator to estimate the GHG emissions from owning a plug-in electric vehicle where you live (fuelconomy.gov/feg/Find.do?action=bt2).

Annual Greenhouse Gas Emissions by Vehicle MPG (gasoline vehicles)*



*Includes both tailpipe and upstream emissions

Sample Vehicle Listing

(Not Actual Data)

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			
CHEVROLET					
Bolt EV					
A-1	120	131/109	\$550	10	EV
MINI					
Cooper S Hardtop 2 door					
AM-57, 2.0L, 4cyl	31	28/38	\$2,250	6	PT
M-6, 2.0L, 4cyl	27	23/33	\$2,600	5	PT
STANDARD PICKUP TRUCKS 2WD					
CHEVROLET					
Silverado 2WD					
A-8, 2.7L, 4cyl	20	19/22	\$2,850	4	T CD SS
A-10, 5.3L, 8cyl	18	16/20	\$3,150	4	Gas CD
	13	12/15	\$4,550	4	E85

Manufacturer

Model

The most fuel-efficient vehicle per class is marked with a blue pointer (▶).

EPA combined city/highway MPG estimate based on 55% city and 45% highway driving

Vehicle class

Transmission information: type (A=automatic, A-S=automatic with select shift, AV=continuously variable, M=manual, etc.) followed by number of gears or speeds

Alternative fuel vehicles are highlighted by a light blue bar, and those that can use two kinds of fuel, such as flexible fuel vehicles (FFVs), have an entry for each fuel type.

Engine size (in liters) followed by number of cylinders. EXAMPLE: 5.3-liter, 8-cylinder engine

Compares the tailpipe greenhouse gas emissions to those of other vehicles of the same model year on a scale of 1 (worst) to 10 (best)

EPA city & highway MPG estimates. EXAMPLE: 131 MPG city; 109 MPG highway

Additional information to help further identify the vehicle (e.g., engine and fuel system info) along with other useful information about taxes, required fuel grade, etc. EXAMPLE: P=premium gasoline recommended, T=turbocharger

Estimated annual fuel cost, assuming 15,000 miles of travel a year (55% city and 45% highway) and an average fuel price

FFVs have fuel economy, fuel cost, and GHG estimates for both gasoline and E85.



TAX INCENTIVES AND DISINCENTIVES

Federal Tax Credits

You may be eligible for a federal income tax credit of up to \$7,500 if you purchase a qualifying all-electric vehicle (EV), plug-in hybrid, or fuel cell vehicle in 2022–2023.

Qualifying EVs and plug-in hybrids have been eligible for a federal income tax credit for over a decade, but the Inflation Reduction Act of 2023 recently changed the eligibility requirements significantly. The new legislation also extends the tax credits to qualifying fuel cell vehicles.

Tax credits and eligible vehicles can vary greatly depending on several factors, including when the vehicle is purchased and put into service.

Visit [fueleconomy.gov](https://www.fueleconomy.gov) for more information on qualifying models, credit amounts, and vehicle and buyer requirements.

Gas Guzzler Tax

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

FUEL ECONOMY SAVES YOU MONEY

The average household spends about one-fifth of its total family expenditures on transportation, making it the second most expensive category after housing. You could save as much as \$1,000 (or more) 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 an estimated annual fuel cost (see page i). The Find and Compare Cars tool at [fueleconomy.gov](https://www.fueleconomy.gov) features an annual fuel cost calculator that allows you to insert your local gasoline prices and typical driving conditions (percentage of city and highway driving) to obtain more accurate fuel cost information for your vehicle.



Ethanol Blends—E85, E15, and E10

Ethanol is a domestically produced, renewable fuel made primarily from corn and sugar cane. The use of ethanol as a vehicle fuel can reduce greenhouse gas (GHG) emissions.

E10 is a blend of 10% ethanol and 90% gasoline and is legal for use in any gasoline-powered vehicle. Most of the gasoline sold in the U.S. contains up to 10% ethanol to boost octane, meet air quality requirements, or satisfy the federal Renewable Fuel Standard. As of 2011, EPA began allowing the use of E15 in model year 2001 and newer gasoline vehicles. Ethanol contains about one-third less energy than gasoline. So, vehicles will typically go 3%–4% fewer miles per gallon on E10 and 4%–5% fewer miles per gallon on E15 than on 100% gasoline. While E10 is available everywhere, E15 is currently available at more than 1,300 stations in the United States.

E85 (or flex fuel) is a high-level ethanol-gasoline blend containing 51%–83% ethanol, depending on the season and geographic location. Drivers can use E85 in flexible fuel vehicles (FFVs), which are specially designed to run on gasoline, E85, or any mixture of the two. FFVs are offered by several vehicle manufacturers. To determine whether your vehicle is an FFV, check the inside of your car's fuel filler door for an identification sticker or consult your owner's manual. More than 4,200 filling stations in the United States currently sell E85. Visit afdc.energy.gov/locator/stations to find stations near you.

FFVs typically experience a 15%–27% drop in fuel economy when operating on E85 instead of regular gasoline due to ethanol's lower energy content and other factors, assuming gasoline typically contains about 10% ethanol. Drivers should notice no degradation in performance. In fact, some FFVs produce more torque and horsepower when fueled with higher-level ethanol blends.

Biodiesel

Biodiesel is a domestically produced renewable fuel manufactured from vegetable oils or animal fats for use in diesel vehicles. Using biodiesel in place of petroleum diesel can reduce GHG emissions.

Biodiesel can be blended with petroleum diesel at any percentage. B20 is a common biodiesel blend that contains 20% biodiesel and 80% petroleum diesel. B5 (5% biodiesel and 95% petroleum diesel) is another common blend. All vehicle manufacturers have approved biodiesel blends up to and including B5 for use in all diesel engines, and some have approved the use of blends up to B20 in a few recent model year vehicles. Keep in mind that using higher-level biodiesel blends may affect your vehicle warranty. Check your owner's manual or check with your vehicle manufacturer to determine the right blend for your vehicle.

Purchase commercial-grade biodiesel from a reputable dealer. Never refuel with recycled grease or vegetable oil that has not been converted to biodiesel. It will damage your engine.

More than 800 stations currently dispense B20. Visit afdc.energy.gov/locator/stations to find service stations selling biodiesel near you.

Premium- vs Regular-Grade Gasoline

Regular unleaded (87 octane) is the recommended fuel for most gasoline vehicles. Using a higher-octane gasoline than recommended by the owner's manual does not improve performance or fuel efficiency under normal conditions. Check your owner's manual for the recommended grade of fuel for your vehicle, and visit fueleconomy.gov for more information about selecting the right octane for your vehicle.

Charging Your Electric or Plug-in Hybrid Vehicle

Electric vehicle (EV) and plug-in hybrid owners have several charging options. Many owners will do most of their charging at home. Some workplaces, businesses, and multi-unit dwellings (condos/apartments) provide charging, and there are more than 46,700 public charging stations across the country.

There are three basic types of charging:

- Level 1 charging: You can plug into a regular 120-volt (V) outlet—the kind found in your home. This is the slowest type of charging—about 2 to 5 miles of range per hour of charging—but requires no special charger or outlet type. Most, if not all, plug-in vehicles are equipped with a cord to allow this type of charging.
- Level 2 charging: These chargers supply current at 208 to 240 V and provide 10 to 20 miles of range per hour of charging. Most public chargers are Level 2 chargers. You can also have a Level 2 charger installed at home. Most public chargers use a standard plug type

that is compatible with all vehicles from major manufacturers. Tesla charging stations use a different plug type that cannot be used by other vehicles. However, Tesla provides an adaptor that allows its vehicles to use both Tesla and standard Level 2 charging stations.

- Fast charging: Also called DC fast charging or DC quick charging, this is the fastest kind of charging, providing 60 to 80 miles of range (or more) to the battery in 20 minutes. Not all vehicles can accept fast charging, nor do all vehicles use the same type of plug for DC fast charging, so check your owner's manual. Quick charging stations are usually located along heavy traffic corridors. Due to expense and electric current requirements, they are not practical for home installation.

Note: Charge rate can vary based on vehicle model. So, check the owner's manual for estimated charge time. Charge rate also depends on other factors, such as the battery's state of charge and the ambient temperature. Visit afdc.energy.gov/fuels/electricity_infrastructure.html for more information.

ALTERNATIVE FUELING STATION LOCATOR

Wondering where you can fuel up your alternative fuel vehicle? The Alternative Fueling Station Locator can help you find a station near you or within a given distance from a planned route. The Station

Locator shows fueling locations for ethanol, electricity, biodiesel, propane, natural gas, and hydrogen. Check it out at afdc.energy.gov/stations.

The screenshot shows the Alternative Fueling Station Locator interface. At the top, there are tabs for 'Public Stations', 'Advanced Filters', and 'Fuel Corridors', along with a location dropdown set to 'U.S. and Canada'. The search area contains two input fields: 'ann arbor, mi' and 'washington, dc'. Below these, there are dropdown menus for 'Electric' (fuel type), 'Level 2, DC Fa...' (Charger Types), and 'All' (Connectors). A 'Find Stations' button is also present. The main display area shows a map with a blue route line connecting Detroit, Michigan to Baltimore, Maryland. The route passes through Ohio, Pennsylvania, and West Virginia. A sidebar on the left indicates '751 stations along the route' and provides options to 'See Route Directions' and 'Download list of stations on route'. Two station details are visible in the sidebar:

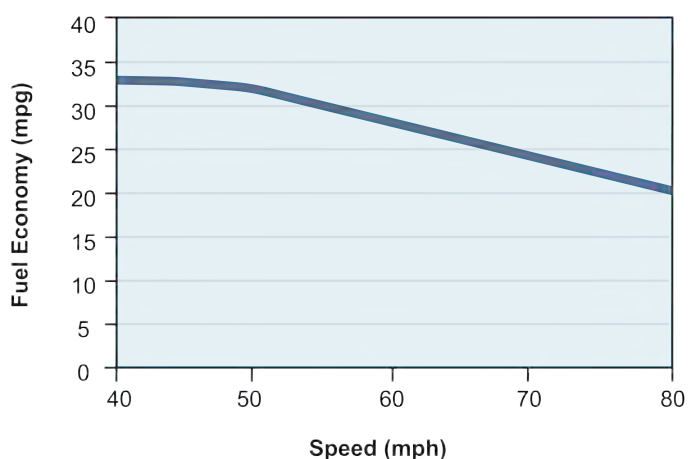
- Ann Arbor Downtown Development Authority - Ann Ashley Parking Structure**
120 W Ann St
Ann Arbor, MI 48104
Level 2
0.1 mi from route
- Ann Arbor Nissan**
3975 Jackson Rd
Ann Arbor, MI 48103

Drive More Efficiently

- Aggressive driving (speeding and rapid acceleration/braking) can lower your gas mileage by roughly 15%–30% at highway speeds and 10%–40% in stop-and-go traffic.

Driver feedback devices can help you drive more efficiently, improving fuel economy by up to 10%.

- Observe the speed limit. Each 5 MPH you drive over 60 MPH can reduce your fuel economy by 7%. For a personalized estimate of the effect of speeding on your fuel economy, visit fuelconomy.gov.
- Avoid idling. Idling gets 0 miles per gallon and costs as much as \$0.02 per minute.
- Using cruise control on the highway helps you maintain a constant speed and, in most cases, will save fuel.



Keep Your Car in Shape

- Address engine problems promptly. If the check engine light comes on, have your vehicle inspected by a mechanic. It could save you fuel and money down the road.
- Keeping tires inflated to the recommended pressure can typically improve fuel economy by 0.6%.

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, glove-box door, or inside the trunk lid.

- Using the recommended grade of motor oil can improve your fuel economy by 1%–2% if you've been using the wrong grade.
- Keep your tires aligned and balanced.
- Replacing a clogged air filter can improve gas mileage on older cars with carbureted engines.

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.

Note: Letting your car idle to warm up doesn't help your fuel economy: it actually uses more fuel and creates more pollution.

Other Solutions

- Avoid carrying unneeded items. An extra 100 pounds can decrease fuel economy by about 1%.
- Avoid carrying cargo on your roof. A large, blunt rooftop cargo box, for example, can reduce fuel economy by 2%–8% in city driving, 6%–17% on the highway, and 10%–25% at interstate speeds (65 to 75 MPH).

Rear-mount cargo boxes or trays reduce fuel economy by much less (1%–2% in city driving and 1%–5% on the highway).

- Use the "economy mode" feature if your vehicle has one.

For more tips on improving fuel economy, such as cold-weather tips; hot-weather tips; and tips for hybrids, plug-in hybrids, and all-electric vehicles, visit fuelconomy.gov.

Tips for Electric and Hybrid Vehicles

Most of the driving tips for conventional vehicles will also help increase the range of electric vehicles and hybrids. In addition to the driving tips above, the tips below will help you get the most out of your electric or hybrid vehicle.

1. Read your owner's manual. The automaker knows how to operate and maintain your vehicle to maximize fuel economy, driving range, and battery life. So, consult the owner's manual for tips specific to your vehicle.
2. Use the economy (Eco) mode. Many of these vehicles come with an "economy mode" or similar feature to improve fuel economy. You can often turn on this feature by just pressing a button.
3. Avoid hard braking. Anticipate stops and brake gently or moderately. This allows the regenerative braking system to recover energy from the vehicle's forward motion and store it as electricity. Hard braking causes the vehicle to use its conventional friction brakes, which do not recover energy.
4. Keep the battery charged. Keeping your plug-in hybrid's battery charged helps you use as much electricity and as little gasoline as possible, saving you fuel and money and extending the vehicle's range. For EVs, it helps maximize your driving range.
5. Use accessories wisely. Using accessories such as heating, air conditioning, and entertainment systems can lower fuel economy more for electric vehicles and hybrids than for conventional vehicles. So, keep that in mind when trying to maximize fuel economy or electric range. Pre-heating or pre-cooling the cabin of a plug-in hybrid or EV while it's plugged in, for example, can extend its electric range.



Manufacturers are using advanced technologies to improve fuel economy in many of their vehicles. Along with plug-in hybrids, all-electric vehicles, and fuel cell vehicles, new technologies are also being used to make conventional vehicles more efficient. Some of these fuel-saving technologies are described below. For more information, visit [fueleconomy.gov](https://www.fueleconomy.gov).

Hybrid Vehicles

Hybrids combine the best features of the internal combustion engine with an electric motor and can significantly improve fuel economy. They are primarily propelled by an internal combustion engine, just like conventional vehicles. However, they also use regenerative braking to convert energy normally wasted during coasting and braking into electricity. The recovered electricity is stored in a battery until needed by the electric motor. The electric motor assists the engine when accelerating or hill climbing and at low speeds, where internal combustion engines are least efficient.

Fuel efficiency can vary significantly among different hybrid models due to battery and electric motor size. Hybrids with larger batteries and electric motors, sometimes called "full" or "strong" hybrids, can store more electricity and provide more power to assist the gasoline engine. Some can even run on the electric motor alone for short distances. Hybrids with smaller batteries and electric motors are often referred to as "mild" hybrids. Mild hybrid systems have a smaller effect on fuel economy. In the *Guide* listings, full hybrids are indicated by "HEV" in the "Notes" column, while mild hybrids are indicated by "MHEV."

Note: Unlike plug-in hybrids (described on page 28), conventional hybrids cannot be plugged into an external source of electricity to be recharged or run on electricity for any substantial distance. Instead, gasoline and regenerative braking provide all of the vehicle's energy.

Stop-Start Systems

Stop-start systems (sometimes called "idle-stop," "smart start," or other manufacturer-specific names) save fuel by turning off the engine when the vehicle comes to a stop and automatically starting it back up when you step on the accelerator. Stop-start can improve fuel economy by up to 5% and provides the biggest benefit in conditions where the engine would otherwise be idling, such as stop-and-go city

driving. These systems are currently available on all hybrids and on hundreds of conventional vehicle models.

Cylinder Deactivation

Cylinder deactivation "turns off" some of the engine's cylinders when they are not needed. This temporarily and seamlessly turns an 8- or 6-cylinder engine into a more efficient 4- or 3-cylinder engine.

Turbocharging

Turbocharging increases engine power, allowing a smaller, more fuel-efficient engine to be used in place of a larger one. Replacing an 8-cylinder engine with a turbocharged 6-cylinder or a 6-cylinder engine with a turbocharged 4-cylinder can save fuel and still provide extra power when needed.

Advanced Transmissions

The advanced electronics in today's vehicles can optimize gear shifting for improved fuel efficiency. Eight-speed automatic transmissions are most common, and some have even more gears. Continuously variable transmissions (CVTs) can change seamlessly through an infinite number of "gears." Transmissions with more gears allow the engine to run at its most efficient speed more often, improving fuel economy.

Improved Aerodynamics

Reducing a vehicle's aerodynamic drag (wind resistance) improves fuel economy, especially at higher speeds. Many manufacturers are improving aerodynamics by refining vehicle shapes or by employing external moving parts such as "shutters" that close off the grill, allowing air to flow smoothly around the vehicle instead of into the engine compartment, where it produces more drag.

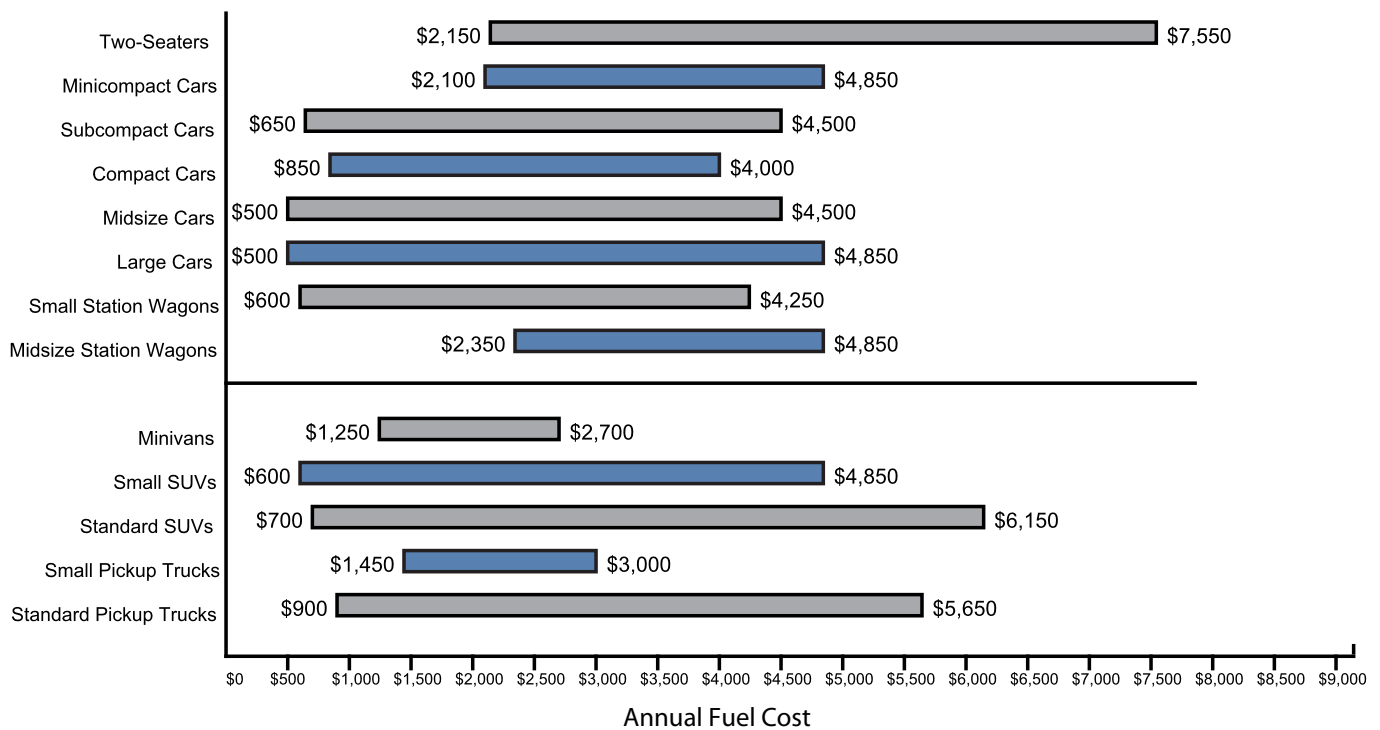
Lighter Vehicles

Reducing vehicle weight improves fuel economy, so manufacturers are beginning to redesign vehicles to weigh less while maintaining performance and safety. For example, replacing a steel body with one made from a lighter-weight material, such as aluminum, can reduce vehicle weight by hundreds of pounds.

ANNUAL FUEL COST RANGES FOR VEHICLE CLASSES



The graph below provides the annual fuel cost ranges for the vehicles in each class so you can see where a given vehicle's cost falls within its class. Annual fuel costs assume that you travel 15,000 miles each year, drive 55% in the city and 45% on the highway, and that fuel costs \$3.58/gallon for regular unleaded gasoline, \$4.52/gallon for premium, \$4.44/gallon for diesel, and \$0.14/kWh for electricity. Visit fuelconomy.gov to calculate the annual fuel cost for a specific vehicle based on your own driving conditions and fuel prices.



Fuel economy estimates on this chart do not include vehicles operating on compressed natural gas (CNG), E85, or hydrogen.

MOST EFFICIENT VEHICLES

Listed below are vehicles with the highest fuel economy in the most popular classes. For each vehicle class, we list the most efficient vehicle. If the most fuel efficient vehicle is a plug-in hybrid (PHEV) or all-electric vehicle (EV), we also list the most fuel efficient conventional vehicle. Rankings are based on combined city and highway fuel economy estimates, which assume 55% city driving and 45% highway

driving. Please note that many vehicle models come in a range of engine sizes and trim lines, resulting in different fuel economy values. If there is only one vehicle in a class, a fuel economy leader is not listed. For an up-to-date list of fuel economy leaders, visit fuelconomy.gov.

	Trans Type / Speeds	Eng Size / Cylinders	MPG(e) Combined
TWO-SEATER CARS			
MAZDA			
MX-5.....	A-S6.....	2.0L/4cyl	30
MINICOMPACT CARS			
MINI			
Cooper Convertible.....	AM-S7.....	1.5L/3cyl	32
SUBCOMPACT CARS			
BMW			
i4 eDrive35 Gran Coupe (18 inch Wheels) (EV)	A-1.....	.....	113*
AUDI			
A3 (hybrid).....	AM-S7.....	2.0L/4cyl	32
MINI			
Cooper Hardtop 2 door.....	AM-S7.....	1.5L/3cyl	32
Cooper Hardtop 4 door.....	AM-S7.....	1.5L/3cyl	32
COMPACT CARS			
PORSCHE			
Taycan GTS (EV).....	A-2.....	.....	83*
Taycan Performance Battery (EV).....	A-2.....	.....	83*
TOYOTA			
Corolla Hybrid.....	AV.....	1.8L/4cyl	50
MIDSIZE CARS			
HYUNDAI			
Ioniq 6 Long range RWD (18 inch Wheels) (EV).....	A-1.....	.....	140*
TOYOTA			
Prius (hybrid).....	AV.....	2.0L/4cyl	57
LARGE CARS			
LUCID			
Air Pure AWD with 19 inch wheels (EV).....	A-1.....	.....	140*
Air Touring AWD with 19 inch wheels (EV).....	A-1.....	.....	140*
HYUNDAI			
Sonata Hybrid Blue.....	AM-S6.....	2.0L/4cyl	52
SMALL STATION WAGONS			
CHEVROLET			
Bolt EV.....	A-1.....	.....	120*
KIA			
Niro FE (hybrid).....	AM-S6.....	1.6L/4cyl	53

	Trans Type / Speeds	Eng Size / Cylinders	MPG(e) Combined
MIDSIZE STATION WAGONS			
VOLVO			
V90CC B6 AWD (hybrid).....	A-S8.....	2.0L/4cyl	25
SMALL PICKUP TRUCKS			
FORD			
Maverick HEV FWD (hybrid).....	AV.....	2.5L/4cyl	37
STANDARD PICKUP TRUCKS			
RIVIAN			
R1T 21 inch Dual Large (EV).....	A-1.....	.....	78*
R1T 21 inch Performance Dual Large (EV).....	A-1.....	.....	78*
CHEVROLET			
Silverado 2WD (diesel).....	A-10.....	3.0L/6cyl	26
GMC			
Sierra 2WD (diesel).....	A-10.....	3.0L/6cyl	26
MINIVANS			
CHRYSLER			
Pacifica Hybrid (PHEV).....	AV.....	3.6L/6cyl	48†
TOYOTA			
Sienna 2WD (hybrid).....	AV-S6.....	2.5L/4cyl	36
SMALL SPORT UTILITY VEHICLES			
TESLA			
Model Y AWD (EV).....	A-1.....	.....	123*
KIA			
Sportage Hybrid FWD.....	AM-S6.....	1.6L/4cyl	43
STANDARD SPORT UTILITY VEHICLES			
TESLA			
Model X (EV).....	A-1.....	.....	102*
TOYOTA			
Highlander Hybrid AWD.....	AV-S6.....	2.5L/4cyl	35
Highlander Hybrid AWD LTD/PLAT.....	AV-S6.....	2.5L/4cyl	35

* This is an electric vehicle. Since electricity is not measured in gallons, a conversion factor is used to translate the fuel economy into miles per gallon of gasoline equivalent (MPGe).

† This vehicle is a plug-in hybrid, which runs on both gasoline and electricity. Since electricity is not measured in gallons, a conversion factor is used to translate the fuel economy when running on electricity into miles per gallon of gasoline equivalent (MPGe). The combined MPGe estimate includes both city and highway driving and gasoline and electric energy use.

2023 MODEL YEAR VEHICLES

This section contains the fuel economy values for 2023 model year vehicles. Additional information for alternative fuel vehicles can be found on pages 22–36. Alternative fuel vehicles are highlighted

with an orange bar, and those that can use two kinds of fuel, such as flexible fuel vehicles, have an entry for each fuel type. The most fuel-efficient vehicles in each class are marked with a blue pointer (▶).



ABBREVIATIONS USED IN THIS GUIDE:

▶.....Highest MPG in Class

2WD.....Two-Wheel Drive

4WD.....Four-Wheel Drive

A.....Automatic Transmission

A-S.....Automatic Transmission-Select Shift

AM.....Automated Manual

AM-S.....Automated Manual-Selectable

AV.....Continuously Variable Transmission

AV-S.....Continuously Variable Transmission with Select Shift

AWD.....All-Wheel Drive

CD.....With Cylinder Deactivation

City.....MPG on City Test Procedure

Cyl.....Cylinders

Comb.....Combined

D.....Ultra-Low Sulfur Diesel

E85.....85% Ethanol/15% Gasoline

Eng Size.....Engine Volume in Liters

EV.....Electric Vehicle

FFV.....Flexible Fuel Vehicle

FWD.....Front-Wheel Drive

Gas.....Regular Gasoline

GHG.....Greenhouse Gas

GPF.....Gasoline Particulate Filter

GVWR.....Gross Vehicle Weight Rating

HP.....Horsepower

HEV.....Hybrid-Electric Vehicle

Hwy.....MPG on Highway Test Procedure

Li-ion.....Lithium ion

LWB.....Long Wheelbase

M.....Manual Transmission

MDPV.....Medium-Duty Passenger Vehicle

Mid.....Midgrade Gasoline

MHEV.....Mild Hybrid-Electric Vehicle

Mode.....Multimode Transmission

MPG.....Miles per Gallon

NA.....Not Available

Ni-MH.....Nickel-Metal Hydride

P.....Premium Gasoline Recommended

PHEV.....Plug-in Hybrid Electric Vehicle

PR.....Premium Gasoline Required

PT4.....Part-time 4WD

RWD.....Rear Wheel Drive

S.....Supercharger

S-Mode.....Transmission with Sport Mode

S-Plus.....Sport Plus Package

Spt Pkg.....Sport Package

SS.....Stop-Start Technology

T.....Turbocharger

Tax.....Subject to Gas Guzzler Tax

Trans.....Transmission

XFE.....Optional Technology Package

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

TWO-SEATER CARS

FERRARI

296 GTB Spider

AM-S8, 2.9L, 6cyl			See page 28.		PR T PHEV SS
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SF90 Spider

AM-8, 3.9L, 8cyl			See page 28.		PR T PHEV SS
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SF90 Stradale

AM-8, 3.9L, 8cyl			See page 28.		PR T PHEV SS
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MCLAREN AUTOMOTIVE

Artura

AM-S8, 3.0L, 6cyl			See page 28.		P T PHEV SS
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SUBCOMPACT CARS

AUDI

A3

AM-S7, 2.0L, 4cyl	32	28/38	\$1,700	6	P T MHEV SS
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A3 quattro

AM-S7, 2.0L, 4cyl	30	27/35	\$1,800	6	P T MHEV SS
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A5 Cabriolet quattro

AM-S7, 2.0L, 4cyl	26	24/31	\$2,600	5	P T MHEV SS
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A5 Coupe quattro

AM-S7, 2.0L, 4cyl	27	24/32	\$2,500	5	P T MHEV SS
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BMW

i4 eDrive35 Gran Coupe (18 inch Wheels)

A-1	113	115/111	\$650	10	EV
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i4 eDrive35 Gran Coupe (19 inch Wheels)

A-1	105	107/102	\$700	10	EV
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i4 eDrive40 Gran Coupe (18 inch wheels)

A-1	109	109/108	\$700	10	EV
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i4 eDrive40 Gran Coupe (19 inch Wheels)

A-1	99	100/98	\$700	10	EV
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i4 M50 Gran Coupe (19 inch wheels)

A-1	96	94/98	\$750	10	EV
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i4 M50 Gran Coupe (20 inch wheels)

A-1	80	79/80	\$900	10	EV
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M440i Convertible

A-S8, 3.0L, 6cyl	26	23/31	\$2,600	5	P T MHEV SS
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M440i Coupe

A-S8, 3.0L, 6cyl	27	24/32	\$2,500	5	P T MHEV SS
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M440i xDrive Convertible

A-S8, 3.0L, 6cyl	25	22/31	\$2,700	5	P T MHEV SS
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M440i xDrive Coupe

A-S8, 3.0L, 6cyl	25	22/31	\$2,700	5	P T MHEV SS
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LEXUS

LC 500h

AV-S10, 3.5L, 6cyl	29	26/33	\$2,350	6	PR HEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

MERCEDES-BENZ

AMG E53 4matic Plus Convertible

A-9, 3.0L, 6cyl	23	20/27	\$2,950	5	PR MHEV SS
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AMG E53 4matic Plus Coupe

A-9, 3.0L, 6cyl	23	20/28	\$2,950	5	PR MHEV SS
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E450 4matic Convertible

A-9, 3.0L, 6cyl	24	22/29	\$2,800	5	PR T MHEV SS
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E450 4matic Coupe

A-9, 3.0L, 6cyl	24	21/30	\$2,800	5	PR T MHEV SS
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E450 Convertible

A-9, 3.0L, 6cyl	25	22/29	\$2,700	5	PR T MHEV SS
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E450 Coupe

A-9, 3.0L, 6cyl	25	23/30	\$2,700	5	PR T MHEV SS
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MINI

Cooper SE Hardtop 2 door

A-1	110	119/100	\$650	10	EV
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COMPACT CARS

AUDI

A4 quattro

AM-S7, 2.0L, 4cyl	28	24/33	\$2,400	6	P T MHEV SS
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A4 S-Line quattro

AM-S7, 2.0L, 4cyl	27	24/32	\$2,500	5	P T MHEV SS
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BMW

330e Sedan

A-S8, 2.0L, 4cyl			See page 28.		P T PHEV SS
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330e xDrive Sedan

A-S8, 2.0L, 4cyl			See page 28.		P T PHEV SS
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530e Sedan

A-S8, 2.0L, 4cyl			See page 28.		P T PHEV SS
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530e xDrive Sedan

A-S8, 2.0L, 4cyl			See page 28.		P T PHEV SS
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M340i Sedan

A-S8, 3.0L, 6cyl	26	23/31	\$2,600	5	P T MHEV SS
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M340i xDrive Sedan

A-S8, 3.0L, 6cyl	26	23/32	\$2,600	5	P T MHEV SS
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M440i Gran Coupe

A-S8, 3.0L, 6cyl	27	24/32	\$2,500	5	P T MHEV SS
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M440i xDrive Gran Coupe

A-S8, 3.0L, 6cyl	25	22/31	\$2,700	5	P T MHEV SS
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LEXUS

UX 250h

AV-S6, 2.0L, 4cyl	42	43/41	\$1,300	8	HEV SS
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UX 250h AWD

AV-S6, 2.0L, 4cyl	39	41/38	\$1,400	7	HEV SS
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MERCEDES-BENZ

AMG C43 4matic

A-9, 2.0L, 4cyl	22	19/26	\$3,100	5	PR T MHEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			
AMG GT 43 4matic Plus					
A-9, 3.0L, 6cyl	21	19/24	\$3,250	4	PR MHEV SS
AMG GT 53 4matic Plus					
A-9, 3.0L, 6cyl	21	19/24	\$3,250	4	PR MHEV SS
C300					
A-9, 2.0L, 4cyl	29	25/36	\$2,350	6	PR T MHEV SS
C300 4matic					
A-9, 2.0L, 4cyl	27	24/33	\$2,500	5	PR T MHEV SS
CLS450 4matic					
A-9, 3.0L, 6cyl	25	22/30	\$2,700	5	PR T MHEV SS

PORSCHE

Taycan 4S Perf Battery Plus

A-2	80	79/81	\$900	10	EV
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Taycan 4S Performance Battery

A-2	82	82/82	\$850	10	EV
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Taycan GTS

▶ A-2	83	83/82	\$850	10	EV
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Taycan GTS Sport Turismo

A-2	80	80/80	\$900	10	EV
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Taycan Perf Battery Plus

A-2	82	78/88	\$850	10	EV
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Taycan Performance Battery

▶ A-2	83	79/88	\$850	10	EV
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Taycan Turbo

A-2	81	81/80	\$900	10	EV
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Taycan Turbo S

A-2	75	76/74	\$950	10	EV
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TOYOTA

Corolla Hybrid

▶ AV, 1.8L, 4cyl	50	53/46	\$1,050	8	HEV SS
AV, 1.8L, 4cyl	47	50/43	\$1,150	8	S-Mode HEV SS

Corolla Hybrid AWD

AV, 1.8L, 4cyl	48	51/44	\$1,100	8	HEV SS
AV, 1.8L, 4cyl	44	47/41	\$1,200	8	S-Mode HEV SS

VOLVO

S60 B5

A-S8, 2.0L, 4cyl	30	26/35	\$2,250	6	PR T MHEV SS
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S60 B5 AWD

A-S8, 2.0L, 4cyl	28	25/33	\$2,400	6	PR T MHEV SS
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S60 T8 AWD Recharge

A-S8, 2.0L, 4cyl	See page 28.				PR T PHEV SS
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MIDSIZE CARS

AUDI

A5 Sportback quattro

AM-S7, 2.0L, 4cyl	28	24/33	\$2,400	6	P T MHEV SS
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A5 Sportback S-Line quattro

AM-S7, 2.0L, 4cyl	27	24/32	\$2,500	5	P T MHEV SS
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A6 quattro

AM-S7, 2.0L, 4cyl	27	24/31	\$2,500	5	P T MHEV SS
AM-S7, 3.0L, 6cyl	24	21/30	\$2,800	5	P T MHEV SS

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

A7

AM-S7, 3.0L, 6cyl	24	21/30	\$2,800	5	P T MHEV SS
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e-tron GT

A-2	82	81/83	\$850	10	EV
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RS 7

A-S8, 4.0L, 8cyl	17	14/21	\$4,000	3	P T Tax CD MHEV SS
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RS e-tron GT

A-2	81	79/82	\$900	10	EV
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S6

A-S8, 2.9L, 6cyl	22	19/26	\$3,100	5	P T MHEV SS
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S7

A-S8, 2.9L, 6cyl	22	19/26	\$3,100	5	P T MHEV SS
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BENTLEY

Flying Spur Hybrid

AM-S8, 2.9L, 6cyl	See page 28.				P T PHEV SS
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BMW

540i Sedan

A-S8, 3.0L, 6cyl	27	25/32	\$2,500	5	P T MHEV SS
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540i xDrive Sedan

A-S8, 3.0L, 6cyl	25	22/29	\$2,700	5	P T MHEV SS
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GENESIS

Electrified G80

A-1	97	105/89	\$700	10	EV
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HONDA

Accord Hybrid Sport/Touring

AV, 2.0L, 4cyl	44	46/41	\$1,200	8	HEV SS
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HYUNDAI

Elantra Hybrid

AM-S6, 1.6L, 4cyl	50	49/52	\$1,050	8	HEV SS
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Elantra Hybrid Blue

AM-S6, 1.6L, 4cyl	54	53/56	\$1,000	9	HEV SS
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Ioniq 6 Long range AWD (18 inch Wheels)

A-1	121	130/111	\$600	10	EV
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Ioniq 6 Long range AWD (20 inch Wheels)

A-1	103	111/94	\$700	10	EV
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Ioniq 6 Long range RWD (18 inch Wheels)

▶ A-1	140	153/127	\$500	10	EV
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Ioniq 6 Long range RWD (20 inch Wheels)

A-1	117	129/105	\$600	10	EV
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Ioniq 6 Standard Range RWD

A-1	135	151/120	\$500	10	EV
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LEXUS

ES 300h

AV-S6, 2.5L, 4cyl	44	43/44	\$1,200	8	HEV SS
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LS 500h

AV-S10, 3.5L, 6cyl	25	22/29	\$2,700	5	PR HEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

LS 500h AWD

AV-S10, 3.5L, 6cyl	25	22/29	\$2,700	5	PR HEV SS
AV-S10, 3.5L, 6cyl	25	22/29	\$2,700	5	PR HEV SS

MAZDA

MX-30

A-1	92	98/85	\$750	10	EV
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MERCEDES-BENZ

AMG E53 4matic Plus

A-9, 3.0L, 6cyl	24	21/29	\$2,800	5	PR MHEV SS
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E450 4matic

A-9, 3.0L, 6cyl	26	23/31	\$2,600	5	PR T MHEV SS
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MINI

Cooper SE Countryman All4

A-S6, 1.5L, 3cyl	See page 28.				P T PHEV SS
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NISSAN

LEAF

A-1	111	123/99	\$650	10	EV
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LEAF SV

A-1	109	121/98	\$650	10	EV
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POLESTAR

2 BST edition

A-1	95	98/91	\$750	10	EV
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2 Dual Motor

A-1	100	105/96	\$700	10	EV
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2 Dual Motor Perf Pack

A-1	100	105/96	\$700	10	EV
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2 Single Motor

A-1	107	113/100	\$650	10	EV
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PORSCHE

Taycan 4 Cross Turismo

A-2	80	80/80	\$900	10	EV
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Taycan 4S Cross Turismo

A-2	78	78/78	\$900	10	EV
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Taycan Turbo Cross Turismo

A-2	79	80/78	\$850	10	EV
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Taycan Turbo S Cross Turismo

A-2	75	76/74	\$950	10	EV
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TESLA

Model 3 Long Range AWD

A-1	131	134/126	\$550	10	EV
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Model 3 Performance AWD

A-1	113	118/107	\$650	10	EV
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Model 3 RWD

A-1	132	138/126	\$550	10	EV
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

TOYOTA

Camry Hybrid LE

AV-S6, 2.5L, 4cyl	52	51/53	\$1,050	9	HEV SS
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Camry Hybrid SE/XLE/XSE

AV-S6, 2.5L, 4cyl	46	44/47	\$1,150	8	HEV SS
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Crown AWD

AV-S6, 2.4L, 4cyl	30	29/32	\$1,800	6	T HEV SS
AV, 2.5L, 4cyl	41	42/41	\$1,300	8	HEV SS

Prius

AV, 2.0L, 4cyl	57	57/56	\$950	9	HEV SS
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Prius AWD

AV, 2.0L, 4cyl	54	53/54	\$1,000	9	PT4 HEV SS
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Prius AWD XLE/LTD

AV, 2.0L, 4cyl	49	49/50	\$1,100	8	PT4 HEV SS
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Prius Prime

AV, 2.0L, 4cyl	See page 28.				PHEV SS
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Prius Prime SE

AV, 2.0L, 4cyl	See page 28.				PHEV SS
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Prius XLE/LTD

AV, 2.0L, 4cyl	52	52/52	\$1,050	9	HEV SS
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VOLVO

S90 B6 AWD

A-S8, 2.0L, 4cyl	26	23/32	\$2,600	5	PR T S MHEV SS
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S90 T8 AWD Recharge ext. Range

A-S8, 2.0L, 4cyl	See page 28.				PR T S PHEV SS
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LARGE CARS

AUDI

A8 L

A-S8, 3.0L, 6cyl	22	19/28	\$3,100	5	P T MHEV SS
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S8

A-S8, 4.0L, 8cyl	18	15/23	\$3,750	4	P T CD MHEV SS
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BMW

740i Sedan

A-S8, 3.0L, 6cyl	27	25/31	\$2,500	5	P T MHEV SS
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760i xDrive Sedan

A-S8, 4.4L, 8cyl	21	18/26	\$3,250	4	P T MHEV SS
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i7 xDrive60 Sedan (19 inch wheels)

A-1	89	87/92	\$800	10	EV
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i7 xDrive60 Sedan (20 inch wheels)

A-1	83	81/85	\$850	10	EV
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i7 xDrive60 Sedan (21 inch wheels)

A-1	87	85/89	\$800	10	EV
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GENESIS

G90 MHEV

A-S8, 3.5L, 6cyl	20	17/24	\$3,400	4	P MHEV SS
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GV60 ADVANCE

A-1	95	103/86	\$750	10	EV
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

GV60 PERFORMANCE

A-1	90	97/82	\$750	10	EV
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HONDA

Accord Hybrid

AV, 2.0L, 4cyl	48	51/44	\$1,100	8	HEV SS
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HYUNDAI

Sonata Hybrid

AM-S6, 2.0L, 4cyl	47	45/51	\$1,150	8	HEV SS
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Sonata Hybrid Blue

▶AM-S6, 2.0L, 4cyl	52	50/54	\$1,050	9	HEV SS
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LUCID

Air G Touring XR AWD with 19 inch wheels

A-1	131	130/132	\$550	10	EV
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Air G Touring XR AWD with 20 inch wheels

A-1	121	121/122	\$600	10	EV
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Air G Touring XR AWD with 21 inch wheels

A-1	121	121/122	\$600	10	EV
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Air GT P AWD with 21 inch wheels

A-1	111	110/111	\$650	10	EV
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Air Pure AWD with 19 inch wheels

▶A-1	140	141/140	\$500	10	EV
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Air Pure AWD with 20 inch wheels

A-1	121	121/120	\$600	10	EV
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Air Touring AWD with 19 inch wheels

▶A-1	140	141/140	\$500	10	EV
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Air Touring AWD with 20 inch wheels

A-1	121	121/120	\$600	10	EV
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Air Touring AWD with 21 inch wheels

A-1	121	121/120	\$600	10	EV
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MERCEDES-BENZ

EQS 450 4Matic

A-1	103	101/105	\$650	10	EV SS
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S500 4matic

A-9, 3.0L, 6cyl	23	20/28	\$2,950	5	PR MHEV SS
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S580 4matic

A-9, 4.0L, 8cyl	19	16/25	\$3,550	4	PR T MHEV SS
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S580 4matic Maybach

A-9, 4.0L, 8cyl	18	15/25	\$3,750	4	PR T MHEV SS
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S580e 4matic

A-9, 3.0L, 6cyl		See page 28.			PR T PHEV SS
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PORSCHE

Panamera 4 e-Hybrid

AM-S8, 2.9L, 6cyl		See page 28.			PR T PHEV SS
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Panamera 4S E-Hybrid

AM-S8, 2.9L, 6cyl		See page 28.			PR T PHEV SS
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Panamera Turbo S e-Hybrid

AM-S8, 4.0L, 8cyl		See page 28.			PR T PHEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

TESLA

Model S

A-1	120	124/115	\$600	10	EV
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SMALL STATION WAGONS

AUDI

A4 allroad quattro

AM-S7, 2.0L, 4cyl	26	23/30	\$2,600	5	PT MHEV SS
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CHEVROLET

Bolt EUV

A-1	115	125/104	\$600	10	EV
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Bolt EV

▶A-1	120	131/109	\$600	10	EV
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KIA

EV6 AWD GT

A-1	79	85/74	\$900	10	EV
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EV6 Long Range AWD (19 inch tires)

A-1	109	120/98	\$650	10	EV
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EV6 Long Range AWD (20 inch tires)

A-1	96	106/86	\$700	10	EV
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EV6 Long Range RWD

A-1	117	134/101	\$600	10	EV
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EV6 Standard Range RWD

A-1	117	136/100	\$600	10	EV
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Niro

AM-S6, 1.6L, 4cyl	49	53/45	\$1,100	8	HEV SS
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Niro Electric

A-1	113	126/101	\$600	10	EV
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Niro FE

▶AM-S6, 1.6L, 4cyl	53	53/54	\$1,000	9	HEV SS
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Niro Plug-in Hybrid

AM-S6, 1.6L, 4cyl		See page 28.			PHEV SS
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NISSAN

ARIYA ENG Plus/EVO Plus e-4ORCE 87kWh

A-1	92	97/86	\$750	10	EV
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ARIYA ENGAGE e-4ORCE 63kWh

A-1	95	101/89	\$750	10	EV
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ARIYA ENGAGE FWD 63kWh

A-1	101	109/94	\$700	10	EV
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ARIYA EVO Plus/EMP Plus/PRM FWD 87kWh

A-1	98	105/91	\$700	10	EV
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ARIYA PLAT Plus e-4ORCE 87kWh 19

A-1	90	93/87	\$800	10	EV
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ARIYA PLAT Plus e-4ORCE 87kWh 20

A-1	87	89/84	\$800	10	EV
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ARIYA VENTURE Plus FWD 87kWh

A-1	103	111/95	\$700	10	EV
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

VOLVO

V60 T8 AWD Recharge ext. Range

A-S8, 2.0L, 4cyl		See page 28.			PRT PHEV SS
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V60CC B5 AWD

A-S8, 2.0L, 4cyl	26	23/30	\$2,600	5	PRT MHEV SS
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MIDSIZE STATION WAGONS

AUDI

A6 Allroad

AM-S7, 3.0L, 6cyl	24	21/30	\$2,800	5	PT MHEV SS
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RS 6 Avant

A-S8, 4.0L, 8cyl	17	14/21	\$4,000	3	PT Tax CD MHEV SS
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MERCEDES-BENZ

E450 4matic All-Terrain (wagon)

A-9, 3.0L, 6cyl	24	21/28	\$2,800	5	PRT MHEV SS
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VOLVO

V90CC B6 AWD

A-S8, 2.0L, 4cyl	25	22/29	\$2,700	5	PRT S MHEV SS
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SMALL PICKUP TRUCKS 2WD

FORD

Maverick HEV FWD

AV, 2.5L, 4cyl	37	40/33	\$1,450	7	HEV SS
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STANDARD PICKUP TRUCKS 2WD

CHEVROLET

Silverado 2WD

A-10, 3.0L, 6cyl	26	24/29	\$2,550	5	DT SS
A-10, 5.3L, 8cyl	18	16/20	\$3,000	4	Gas CD
	13	12/15	\$3,400	4	E85

FORD

F150 Pickup 2WD FFV

A-S10, 3.3L, 6cyl	21	19/24	\$2,550	4	Gas SS
	16	14/18	\$2,750	5	E85
A-S10, 3.3L, 6cyl	20	19/23	\$2,700	4	Gas
	15	13/19	\$2,950	5	E85
A-S10, 5.0L, 8cyl	20	17/25	\$2,700	4	Gas SS
	15	12/19	\$2,950	4	E85
A-S10, 5.0L, 8cyl	19	17/24	\$2,850	4	Gas
	14	12/18	\$3,150	4	E85

F150 Pickup 2WD HEV

A-S10, 3.5L, 6cyl	25	25/25	\$2,150	5	T HEV SS
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GMC

Sierra 2WD

A-10, 3.0L, 6cyl	26	24/29	\$2,550	5	DT SS
A-10, 5.3L, 8cyl	18	16/20	\$3,000	4	Gas CD
	13	12/15	\$3,400	4	E85

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

RAM

1500 2WD

A-8, 3.6L, 6cyl	22	20/25	\$2,450	5	MHEV SS
A-8, 5.7L, 8cyl	20	18/23	\$3,150	4	Mid CD MHEV SS

1500 HFE 2WD

A-8, 3.6L, 6cyl	23	20/26	\$2,350	5	MHEV SS
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TOYOTA

Tundra 2WD

A-S10, 3.4L, 6cyl	22	20/24	\$2,450	5	T HEV SS
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STANDARD PICKUP TRUCKS 4WD

CHEVROLET

Silverado 4WD

A-10, 3.0L, 6cyl	24	22/27	\$2,800	4	DT SS
A-10, 3.0L, 6cyl	24	22/27	\$2,800	4	DT S-Mode SS
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas CD
	12	11/14	\$3,700	3	E85

Silverado Mud Terrain Tires 4WD

A-10, 3.0L, 6cyl	22	21/23	\$3,050	4	DT SS
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas CD
	12	11/14	\$3,700	3	E85

FORD

F-150 Lightning 4WD

A-1	68	76/61	\$1,050	10	EV
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F-150 Lightning 4WD Extended Range

A-1	70	78/63	\$1,000	10	EV
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F-150 Lightning Platinum 4WD

A-1	66	73/60	\$1,050	10	EV
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F150 Pickup 4WD FFV

A-S10, 3.3L, 6cyl	20	19/22	\$2,700	4	Gas PT4 SS
	15	14/18	\$2,950	5	E85
A-S10, 5.0L, 8cyl	19	17/22	\$2,850	4	Gas PT4 SS
	14	12/17	\$3,150	4	E85
A-S10, 5.0L, 8cyl	18	16/22	\$3,000	4	Gas PT4
	14	12/17	\$3,150	4	E85

F150 Pickup 4WD HEV

A-S10, 3.5L, 6cyl	23	23/23	\$2,350	5	T PT4 HEV SS
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F150 Pickup Tremor 4WD FFV

A-S10, 5.0L, 8cyl	17	15/20	\$3,150	3	Gas PT4 SS
	13	12/16	\$3,400	4	E85
A-S10, 5.0L, 8cyl	17	15/20	\$3,150	3	Gas PT4
	13	11/16	\$3,400	4	E85

GMC

Sierra 4WD

A-10, 3.0L, 6cyl	24	22/27	\$2,800	4	DT SS
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas CD
	12	11/14	\$3,700	3	E85

Sierra Mud Terrain Tires 4WD

A-10, 3.0L, 6cyl	22	21/23	\$3,050	4	DT SS
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas CD
	12	11/14	\$3,700	3	E85

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

JEEP

Gladiator EcoDiesel 4WD

A-8, 3.0L, 6cyl	24	22/28	\$2,800	4	DT SS
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Gladiator Rubic EcoDiesel 4WD

A-8, 3.0L, 6cyl	24	21/27	\$2,800	4	DT SS
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LORDSTOWN

Endurance

A-1	48	49/46	\$1,450	10	EV
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RAM

1500 4WD

A-8, 3.0L, 6cyl	24	21/29	\$2,800	4	DT
A-8, 3.6L, 6cyl	21	19/24	\$2,550	4	MHEV SS
A-8, 5.7L, 8cyl	19	17/22	\$3,300	4	Mid CD MHEV SS

RIVIAN

R1T (20 inch wheels)

A-1	64	69/60	\$1,100	10	EV
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R1T (21 inch wheels)

A-1	73	76/69	\$950	10	EV
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R1T (22 inch wheels)

A-1	68	73/63	\$1,050	10	EV
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R1T 21 inch Dual Large

A-1	78	82/74	\$900	10	PT4 EV
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R1T 21 inch Performance Dual Large

A-1	78	82/74	\$900	10	PT4 EV
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R1T 22 inch Dual Large

A-1	76	80/71	\$950	10	PT4 EV
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R1T 22 inch Performance Dual Large

A-1	76	80/71	\$950	10	PT4 EV
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TOYOTA

Tundra 4WD

A-S10, 3.4L, 6cyl	20	19/22	\$2,700	4	T PT4 HEV SS
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Tundra 4WD PRO

A-S10, 3.4L, 6cyl	19	18/20	\$2,850	4	T PT4 HEV SS
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SPECIAL PURPOSE VEHICLES 4WD

VINFAST

VF 8 Eco

A-1	87	89/85	\$800	10	EV
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VF 8 Plus

A-1	80	82/78	\$900	10	EV
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MINIVANS 2WD

CHRYSLER

Pacifica Hybrid

A-1	See page 28.				PHEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

TOYOTA

Sienna 2WD

A-1	36	36/36	\$1,500	7	HEV SS
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MINIVANS 4WD

TOYOTA

Sienna AWD

A-1	35	35/36	\$1,550	7	HEV SS
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SMALL SPORT UTILITY VEHICLES 2WD

AUDI

Q4 e-tron

A-1	103	112/94	\$700	10	EV
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CADILLAC

LYRIQ

A-1	89	97/82	\$800	10	EV
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FORD

Escape FWD HEV

A-1	39	42/36	\$1,400	7	HEV SS
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Escape FWD PHEV

A-1	See page 28.				PHEV SS
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Mustang Mach-E RWD

A-1	103	110/96	\$700	10	EV
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Mustang Mach-E RWD Extended

A-1	99	105/92	\$700	10	EV
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Mustang Mach-E RWD LFP

A-1	101	107/95	\$700	10	EV
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HONDA

CR-V Hybrid FWD

A-1	40	43/36	\$1,350	7	HEV SS
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HYUNDAI

Kona Electric

A-1	120	134/106	\$600	10	EV
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KIA

Sorento Hybrid FWD

A-1	37	39/35	\$1,450	7	T HEV SS
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Sportage Hybrid FWD

A-1	43	42/44	\$1,250	8	T HEV SS
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TOYOTA

bZ4X

A-1	119	131/107	\$600	10	EV
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bZ4X LIMITED

A-1	114	125/103	\$650	10	EV
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Highlander Hybrid

A-1	36	36/35	\$1,500	7	HEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

VOLKSWAGEN

ID.4

A-1	107	115/99	\$650	10	EV
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ID.4 Pro

A-1	107	115/98	\$650	10	EV
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ID.4 Pro S

A-1	107	115/98	\$650	10	EV
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ID.4 S

A-1	107	115/99	\$650	10	EV
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VOLVO

XC40 B4

A-S8, 2.0L, 4cyl	27	24/32	\$2,500	5	PR T MHEV SS
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XC60 B5

A-S8, 2.0L, 4cyl	26	23/30	\$2,600	5	PR T MHEV SS
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SMALL SPORT UTILITY VEHICLES 4WD

AUDI

Q5 quattro

AM-S7, 2.0L, 4cyl	25	23/29	\$2,700	5	P T MHEV SS
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Q5 S-Line quattro

AM-S7, 2.0L, 4cyl	25	22/29	\$2,700	5	P T MHEV SS
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Q5 Sportback S-line quattro

AM-S7, 2.0L, 4cyl	25	22/29	\$2,700	5	P T MHEV SS
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Q5 TFSI e quattro

AM-S7, 2.0L, 4cyl	See page 28.				P T PHEV SS
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BMW

X3 M40i

A-S8, 3.0L, 6cyl	23	21/26	\$2,950	5	P T MHEV SS
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X4 M40i

A-S8, 3.0L, 6cyl	23	21/26	\$2,950	5	P T MHEV SS
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CADILLAC

LYRIQ AWD

A-1	89	96/81	\$800	10	EV
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FORD

Escape AWD HEV

AV, 2.5L, 4cyl	39	42/36	\$1,400	7	PT4 HEV SS
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Mustang Mach-E AWD

A-1	93	99/86	\$750	10	EV
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Mustang Mach-E AWD Extended

A-1	92	97/85	\$750	10	EV
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MUSTANG MACH-E CAL RT 1 ER AWD

A-1	98	105/91	\$700	10	EV
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Mustang Mach-E GT

A-1	84	90/77	\$850	10	EV
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Mustang Mach-E GT Performance

A-1	82	90/77	\$850	10	EV
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

HONDA

CR-V Hybrid AWD

AV, 2.0L, 4cyl	37	40/34	\$1,450	7	HEV SS
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HYUNDAI

Santa Fe Hybrid

AM-S6, 1.6L, 4cyl	32	33/30	\$1,700	6	T HEV SS
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Santa Fe Hybrid Blue

AM-S6, 1.6L, 4cyl	34	36/31	\$1,600	7	T HEV SS
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Santa Fe Plug-in Hybrid

AM-S6, 1.6L, 4cyl	See page 28.				T PHEV SS
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Tucson Hybrid

AM-S6, 1.6L, 4cyl	37	37/36	\$1,450	7	T HEV SS
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Tucson Hybrid Blue

AM-S6, 1.6L, 4cyl	38	38/38	\$1,400	7	T HEV SS
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Tucson Plug-in Hybrid

AM-S6, 1.6L, 4cyl	See page 28.				T PHEV SS
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JAGUAR

F-Pace P340 MHEV

A-S8, 3.0L, 6cyl	22	20/27	\$3,100	5	P MHEV SS
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F-Pace P400 MHEV

A-S8, 3.0L, 6cyl	22	19/26	\$3,100	5	P MHEV SS
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I-Pace EV400 (20 inch tires)

A-1	85	89/82	\$850	10	EV
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I-Pace EV400 (22 inch tires)

A-1	76	79/72	\$950	10	EV
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JEEP

Wrangler 2dr 4WD

A-8, 3.6L, 6cyl	21	20/24	\$2,550	4	MHEV SS
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Wrangler 4dr 4WD

A-8, 3.6L, 6cyl	21	19/24	\$2,550	4	MHEV SS
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Wrangler 4dr 4xe

A-8, 2.0L, 4cyl	See page 28.				T PHEV SS
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Wrangler 4dr EcoDiesel 4WD

A-8, 3.0L, 6cyl	25	22/29	\$2,650	5	D T SS
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Wrangler Rubic 4dr EcoDiesel 4WD

A-8, 3.0L, 6cyl	23	21/26	\$2,900	4	D T SS
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KIA

Sorento Hybrid AWD

AM-S6, 1.6L, 4cyl	34	36/33	\$1,600	7	T HEV SS
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Sorento Plug-in Hybrid

AM-S6, 1.6L, 4cyl	See page 28.				T PHEV SS
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Sportage Hybrid AWD

AM-S6, 1.6L, 4cyl	38	38/38	\$1,400	7	T HEV SS
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Sportage Plug-in Hybrid

AM-S6, 1.6L, 4cyl	See page 28.				T PHEV SS
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LAND ROVER

Range Rover Evoque MHEV

A-S9, 2.0L, 4cyl	23	21/26	\$2,950	5	P T MHEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

Range Rover Velar P340 MHEV

A-S8, 3.0L, 6cyl	22	20/26	\$3,100	5	P MHEV SS
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Range Rover Velar P400 MHEV

A-S8, 3.0L, 6cyl	21	19/25	\$3,250	4	P MHEV SS
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LEXUS

NX 350h AWD

AV-S6, 2.5L, 4cyl	39	41/37	\$1,750	7	P HEV SS
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NX 450h Plus AWD

AV-S6, 2.5L, 4cyl	See page 28.				P PHEV SS
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RX 350h AWD

AV-S6, 2.5L, 4cyl	36	37/34	\$1,900	7	P HEV SS
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RX 500h AWD

AV-S6, 2.4L, 4cyl	27	27/28	\$2,500	5	PR T HEV SS
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RZ 450e AWD (18 inch Wheels)

A-1	107	115/98	\$650	10	EV
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RZ 450e AWD (20 inch Wheels)

A-1	95	102/87	\$750	10	EV
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LINCOLN

Corsair AWD PHEV

AV, 2.5L, 4cyl	See page 28.				PT4 PHEV SS
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MASERATI

Grecale GT

A-8, 2.0L, 4cyl	25	22/29	\$2,700	5	P T MHEV SS
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Grecale Modena

A-8, 2.0L, 4cyl	25	22/29	\$2,700	5	P T MHEV SS
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SUBARU

Crosstrek Hybrid AWD

AV, 2.0L, 4cyl	See page 28.				PHEV SS
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Solterra AWD

A-1	104	114/94	\$650	10	EV
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Solterra Limited/Touring AWD

A-1	102	111/93	\$650	10	EV
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TESLA

Model Y AWD

A-1	123	129/116	\$600	10	EV
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Model Y Long Range AWD

A-1	122	127/117	\$600	10	EV
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Model Y Performance AWD

A-1	111	115/106	\$650	10	EV
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TOYOTA

bZ4X AWD

A-1	104	114/94	\$650	10	EV
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bZ4X LIMITED AWD

A-1	102	112/92	\$700	10	EV
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RAV4 Hybrid AWD

AV-S6, 2.5L, 4cyl	40	41/38	\$1,350	7	HEV SS
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RAV4 Hybrid AWD Woodland Edition

AV-S6, 2.5L, 4cyl	37	38/35	\$1,450	7	HEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

RAV4 Prime 4WD

AV-S6, 2.5L, 4cyl	See page 28.				PHEV SS
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Venza AWD

AV-S6, 2.5L, 4cyl	39	40/37	\$1,400	7	HEV SS
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VOLKSWAGEN

ID.4 AWD Pro

A-1	99	104/93	\$700	10	EV
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ID.4 AWD Pro S

A-1	99	104/93	\$700	10	EV
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VOLVO

C40 Recharge twin

A-1	87	94/80	\$800	10	EV
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XC40 B5 AWD

A-S8, 2.0L, 4cyl	26	23/30	\$2,600	5	PR T MHEV SS
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XC40 Recharge twin

A-1	85	92/79	\$850	10	EV
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XC60 B5 AWD

A-S8, 2.0L, 4cyl	25	23/29	\$2,700	5	PR T MHEV SS
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XC60 B6 AWD

A-S8, 2.0L, 4cyl	23	21/27	\$2,950	5	PR T S MHEV SS
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XC60 T8 AWD Recharge

A-S8, 2.0L, 4cyl	See page 28.				PR T PHEV SS
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STANDARD SPORT UTILITY VEHICLES 2WD

BMW

X5 sDrive40i

A-S8, 3.0L, 6cyl	23	21/26	\$2,950	5	P T MHEV SS
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CADILLAC

Escalade 2WD

A-10, 3.0L, 6cyl	23	21/27	\$2,900	4	D T SS
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CHEVROLET

Suburban 2WD

A-10, 3.0L, 6cyl	23	21/27	\$2,900	4	D T SS
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Tahoe 2WD

A-10, 3.0L, 6cyl	24	21/28	\$2,800	4	D T SS
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FORD

Explorer HEV RWD

A-10, 3.3L, 6cyl	27	27/28	\$2,000	5	HEV SS
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Explorer Platinum HEV RWD

A-10, 3.3L, 6cyl	26	25/26	\$2,050	5	HEV SS
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GMC

Yukon 2WD

A-10, 3.0L, 6cyl	23	21/27	\$2,900	4	D T SS
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Yukon XL 2WD

A-10, 3.0L, 6cyl	23	21/27	\$2,900	4	D T SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

JEEP

Wagoneer 2WD

A-8, 5.7L, 8cyl	18	16/22	\$3,500	4	Mid CD MHEV SS
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MERCEDES-BENZ

EQS 450 Plus (SUV)

A-1	85	87/83	\$800	10	EV SS
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TOYOTA

Sequoia 2WD

A-S10, 3.4L, 6cyl	22	21/24	\$2,450	5	T HEV SS
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STANDARD SPORT UTILITY VEHICLES 4WD

AUDI

e-tron quattro

A-2	79	78/79	\$900	10	EV
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e-tron S (20 inch wheels)

A-1	73	72/75	\$950	10	EV
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e-tron S (21/22 inch wheels)

A-1	63	62/64	\$1,100	10	EV
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e-tron S Sportback (20 inch wheels)

A-1	75	73/78	\$950	10	EV
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e-tron S Sportback (21/22 inch wheels)

A-1	65	64/66	\$1,100	10	EV
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e-tron Sportback quattro

A-2	78	77/80	\$900	10	EV
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Q4 e-tron quattro

A-1	93	97/87	\$750	10	EV
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Q4 e-tron Sportback

A-1	95	100/89	\$750	10	EV
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Q7

A-S8, 3.0L, 6cyl	20	18/22	\$3,400	4	P T MHEV SS
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Q8

A-S8, 3.0L, 6cyl	20	18/23	\$3,400	4	P T MHEV SS
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RS Q8

A-S8, 4.0L, 8cyl	16	13/20	\$4,250	3	P T CD MHEV SS
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BENTLEY

Bentayga Hybrid

A-S8, 3.0L, 6cyl	See page 28.				P T PHEV SS
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BMW

Alpina XB7

A-S8, 4.4L, 8cyl	17	16/20	\$4,000	3	P T MHEV SS
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iX M60 (21 inch wheels)

A-1	77	76/80	\$900	10	EV
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iX M60 (22 inch wheels)

A-1	78	77/80	\$900	10	EV
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iX xDrive50 (20 inch wheels)

A-1	86	86/87	\$800	10	EV
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iX xDrive50 (21 inch wheels)

A-1	83	82/84	\$850	10	EV
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

iX xDrive50 (22 inch wheels)

A-1	86	86/85	\$800	10	EV
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X5 xDrive40i

A-S8, 3.0L, 6cyl	23	21/25	\$2,950	5	P T MHEV SS
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X5 xDrive45e

A-S8, 3.0L, 6cyl	See page 28.				P T PHEV SS
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X6 xDrive40i

A-S8, 3.0L, 6cyl	23	21/25	\$2,950	5	P T MHEV SS
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X7 M60i xDrive

A-S8, 4.4L, 8cyl	18	16/21	\$3,750	4	P T MHEV SS
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X7 xDrive40i

A-S8, 3.0L, 6cyl	22	21/25	\$3,100	5	P T MHEV SS
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XM

A-S8, 4.4L, 8cyl	See page 28.				PR T PHEV SS
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CADILLAC

Escalade 4WD

A-10, 3.0L, 6cyl	22	20/26	\$3,050	4	D T SS
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CHEVROLET

Suburban 4WD

A-10, 3.0L, 6cyl	22	20/26	\$3,050	4	D T SS
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Tahoe 4WD

A-10, 3.0L, 6cyl	22	20/26	\$3,050	4	D T SS
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FISKER

Ocean Extreme One

A-1	92	99/84	\$750	10	PT4 EV
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FORD

Explorer FFV AWD

A-10, 3.3L, 6cyl	20	17/25	\$2,700	4	Gas PT4
	15	13/18	\$2,950	4	E85

Explorer HEV AWD

A-10, 3.3L, 6cyl	25	23/26	\$2,150	5	PT4 HEV SS
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Explorer Platinum HEV AWD

A-10, 3.3L, 6cyl	23	23/24	\$2,350	5	PT4 HEV SS
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GMC

Yukon 4WD

A-10, 3.0L, 6cyl	22	20/26	\$3,050	4	D T SS
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Yukon XL 4WD

A-10, 3.0L, 6cyl	22	20/26	\$3,050	4	D T SS
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JEEP

Grand Cherokee 4xe

A-8, 2.0L, 4cyl	See page 28.				T PHEV SS
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Wagoneer 4WD

A-8, 5.7L, 8cyl	17	15/20	\$3,700	3	Mid CD MHEV SS
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LAND ROVER

Defender 110 MHEV

A-S8, 3.0L, 6cyl	20	18/23	\$3,400	4	P MHEV SS
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Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			
Defender 130 P300 MHEV					
A-S8, 3.0L, 6cyl	19	17/21	\$3,550	4	P MHEV SS
Defender 130 P400 MHEV					
A-S8, 3.0L, 6cyl	19	17/21	\$3,550	4	P MHEV SS
Defender 90 MHEV					
A-S8, 3.0L, 6cyl	20	18/23	\$3,400	4	P MHEV SS
Discovery MHEV					
A-S8, 3.0L, 6cyl	22	19/25	\$3,100	5	P MHEV SS
New Range Rover P360 LWB MHEV					
A-S8, 3.0L, 6cyl	21	18/26	\$3,250	4	P MHEV SS
New Range Rover P360 MHEV					
A-S8, 3.0L, 6cyl	21	18/26	\$3,250	4	P MHEV SS
New Range Rover P400 LWB MHEV					
A-S8, 3.0L, 6cyl	21	18/26	\$3,250	4	P MHEV SS
New Range Rover P400 MHEV					
A-S8, 3.0L, 6cyl	21	18/26	\$3,250	4	P MHEV SS
New Range Rover P440 PHEV					
A-S8, 3.0L, 6cyl	See page 28.				P T PHEV SS
New Range Rover Sport P360 MHEV					
A-S8, 3.0L, 6cyl	22	19/26	\$3,100	5	P MHEV SS
New Range Rover Sport P400 MHEV					
A-S8, 3.0L, 6cyl	21	18/26	\$3,250	4	P MHEV SS
New Range Rover Sport P440 PHEV					
A-S8, 3.0L, 6cyl	See page 28.				P T PHEV SS
LINCOLN					
Aviator PHEV AWD					
A-S10, 3.0L, 6cyl	See page 28.				T PT4 PHEV SS
MERCEDES-BENZ					
AMG GLE53 4matic Plus					
A-9, 3.0L, 6cyl	19	18/22	\$3,550	4	PR MHEV SS
AMG GLE53 4matic Plus Coupe					
A-9, 3.0L, 6cyl	19	17/21	\$3,550	4	PR MHEV SS
AMG GLE63 S 4matic Plus					
A-9, 4.0L, 8cyl	17	15/20	\$4,000	3	PR T CD MHEV SS
AMG GLE63 S 4matic Plus Coupe					
A-9, 4.0L, 8cyl	17	15/19	\$4,000	3	PR T CD MHEV SS
AMG GLS63 4matic Plus					
A-9, 4.0L, 8cyl	16	14/19	\$4,250	3	PR T CD MHEV SS
EQS 450 4Matic (SUV)					
A-1	78	79/77	\$900	10	EV SS
EQS 580 4Matic (SUV)					
A-1	77	79/74	\$900	10	EV SS
GLE450 4matic					
A-9, 3.0L, 6cyl	22	20/25	\$3,100	5	PR T MHEV SS
GLE580 4matic					
A-9, 4.0L, 8cyl	18	16/21	\$3,750	4	PR T CD MHEV SS
GLS450 4matic					
A-9, 3.0L, 6cyl	20	18/23	\$3,400	4	PR T MHEV SS
GLS580 4matic					
A-9, 4.0L, 8cyl	18	16/21	\$3,750	4	PR T CD MHEV SS

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			
GLS600 4matic Maybach					
A-9, 4.0L, 8cyl	17	15/20	\$4,000	3	PR T CD MHEV SS
MITSUBISHI					
Outlander PHEV					
A-1, 2.4L, 4cyl	See page 28.				PHEV SS
PORSCHE					
Cayenne Turbo S e-Hybrid					
A-S8, 4.0L, 8cyl	See page 28.				P T PHEV SS
Cayenne Turbo S e-Hybrid Coupe					
A-S8, 4.0L, 8cyl	See page 28.				P T PHEV SS
RIVIAN					
R1S (20 inch wheels)					
A-1	64	69/60	\$1,100	10	EV
R1S (21 inch wheels)					
A-1	71	75/66	\$1,000	10	EV
R1S (22 inch wheels)					
A-1	68	73/63	\$1,050	10	EV
R1S 20 inch All-Terrain					
A-1	63	65/60	\$1,150	10	EV
R1S 20 inch All-Terrain Dual Large					
A-1	68	72/64	\$1,050	10	PT4 EV
R1S 20 inch All-Terrain Performance Dual Large					
A-1	68	72/64	\$1,050	10	PT4 EV
R1S 21 inch Dual Large					
A-1	78	82/74	\$900	10	PT4 EV
R1S 21 inch Performance Dual Large					
A-1	78	82/74	\$900	10	PT4 EV
R1S 22 inch Dual Large					
A-1	75	80/71	\$950	10	PT4 EV
R1S 22 inch Performance Dual Large					
A-1	75	80/71	\$950	10	PT4 EV
TESLA					
Model X					
A-1	102	107/97	\$700	10	EV
Model X Plaid (20 inch wheels)					
A-1	98	103/93	\$700	10	EV
Model X Plaid (22 inch wheels)					
A-1	91	94/88	\$800	10	EV
TOYOTA					
Highlander Hybrid AWD					
A-V-S6, 2.5L, 4cyl	35	35/35	\$1,550	7	HEV SS
Highlander Hybrid AWD LTD/PLAT					
A-V-S6, 2.5L, 4cyl	35	35/34	\$1,550	7	HEV SS
Sequoia 4WD					
A-S10, 3.4L, 6cyl	20	19/22	\$2,700	4	T PT4 HEV SS
VOLVO					
XC90 B5 AWD					
A-S8, 2.0L, 4cyl	25	22/28	\$2,700	5	PR T MHEV SS

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			
XC90 B6 AWD					
A-S8, 2.0L, 4cyl	22	20/26	\$3,100	5	PRT S MHEV SS

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			
XC90 T8 AWD Recharge					
A-S8, 2.0L, 4cyl					See page 28. PRT PHEV SS

ALL-ELECTRIC VEHICLES

All-electric vehicles (EVs) are propelled by one or more electric motors powered by a rechargeable battery. EVs are energy efficient and emit no tailpipe pollutants, although the power plant producing the electricity may emit pollution.

Electric motors have several performance benefits. They are quiet, have instant torque for quick acceleration, enable regenerative braking, and require less maintenance than internal combustion engines.

Current EVs typically have a shorter driving range than comparable gasoline or hybrid vehicles, and their range is more sensitive to driving style, driving conditions, and accessory use. Fully recharging the battery can take several hours—though a “fast charge” to

80% capacity may take as little as 30 minutes. Charging options outside the home are expanding. More than 46,700 public and 1,300 workplace charging stations are available. EVs are typically more expensive than comparable conventional vehicles and hybrids due to the cost of the large battery. However, as manufacturers continue to improve the driving range and reduce the cost of these vehicles, they are becoming more practical and affordable for a wider range of consumers.

A federal income tax credit of up to \$7,500 is currently available to consumers purchasing a qualifying EV. State and/or local incentives may also apply. For additional information on EVs, including tax incentives, visit fuelconomy.gov.



Model	Motor	Battery Type	Fuel Economy (comb/city/hwy)		Driving Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
			MPGe	kWh/100 mi				
SUBCOMPACT CARS								
BMW								
i4 eDrive35 Gran Coupe (18 inch Wheels)	250 kW EESM	Li-Ion	113/115/111	30/29/30	256	8	\$650	10
i4 eDrive35 Gran Coupe (19 inch Wheels)	250 kW EESM	Li-Ion	105/107/102	32/32/33	235	8	\$700	10
i4 eDrive40 Gran Coupe (18 inch wheels)	TBD	Li-Ion	109/109/108	34/34/34	301	10	\$700	10
i4 eDrive40 Gran Coupe (19 inch Wheels)	250 kW EESM	Li-Ion	99/100/98	34/34/34	282	10	\$700	10
i4 M50 Gran Coupe (19 inch wheels)	TBD	Li-Ion	96/94/98	35/36/34	271	10	\$750	10
i4 M50 Gran Coupe (20 inch wheels)	TBD	Li-Ion	80/79/80	42/43/42	227	10	\$900	10
MINI								
Cooper SE Hardtop 2 door	135 kW DCPM	Li-Ion	110/119/100	31/28/34	114	4	\$650	10
COMPACT CARS								
PORSCHE								
Taycan 4S Perf Battery Plus	175 and 320 kW ACPM	Li-Ion	80/79/81	42/43/42	235	10.5	\$900	10
Taycan 4S Performance Battery	150 and 270 kW ACPM	Li-Ion	82/82/82	40/40/40	206	9.5	\$850	10
Taycan GTS	175 and 335 kW ACPM	Li-Ion	83/83/82	41/40/41	246	10.5	\$850	10
Taycan GTS Sport Turismo	175 and 335 kW ACPM	Li-Ion	80/80/80	42/42/42	233	10.5	\$900	10
Taycan Perf Battery Plus	280 kW ACPM	Li-Ion	82/78/88	41/43/38	242	10.5	\$850	10
Taycan Performance Battery	240 kW ACPM	Li-Ion	83/79/88	41/43/38	208	9.5	\$850	10
Taycan Turbo	175 and 335 kW ACPM	Li-Ion	81/81/80	42/41/42	238	10.5	\$900	10
Taycan Turbo S	190 and 335 kW ACPM	Li-Ion	75/76/74	45/44/45	222	10.5	\$950	10
MIDSIZE CARS								
AUDI								
e-tron GT	TBD	Li-Ion	82/81/83	41/42/41	238	10.5	\$850	10
RS e-tron GT	TBD	Li-Ion	81/79/82	42/42/41	232	10.5	\$900	10
GENESIS								
Electrified G80	TBD	Li-Ion	97/105/89	34/31/36	282	9	\$700	10
HYUNDAI								
Ioniq 6 Long range AWD (18 inch Wheels)	74 and 165 kW PMSM	Li-Ion	121/130/111	28/26/30	316	7.5	\$600	10
Ioniq 6 Long range AWD (20 inch Wheels)	74 and 165 kW PMSM	Li-Ion	103/111/94	33/31/36	270	7.5	\$700	10
Ioniq 6 Long range RWD (18 inch Wheels)	168 kW PMSM	Li-Ion	140/153/127	24/22/27	361	7.5	\$500	10
Ioniq 6 Long range RWD (20 inch Wheels)	168 kW PMSM	Li-Ion	117/129/105	29/26/32	305	7.5	\$600	10
Ioniq 6 Standard Range RWD	111 kW PMSM	Li-Ion	135/151/120	25/22/28	240	6.1	\$500	10
MAZDA								
MX-30	81 kW AC PMSM	Li-Ion	92/98/85	37/34/40	100	5.3	\$750	10
NISSAN								
LEAF	TBD	Li-Ion	111/123/99	30/27/34	149	8	\$650	10
LEAF SV	TBD	Li-Ion	109/121/98	31/28/34	212	11	\$650	10
POLESTAR								
2 BST edition	150 and 150 kW ACPMSM	Li-Ion	95/98/91	36/34/37	247	8	\$750	10
2 Dual Motor	150 and 150 kW ACPMSM	Li-Ion	100/105/96	34/32/35	260	8	\$700	10
2 Dual Motor Perf Pack	175 and 175 kW ACPMSM	Li-Ion	100/105/96	34/32/35	260	8	\$700	10
2 Single Motor	170 kW ACPMSM	Li-Ion	107/113/100	31/30/34	270	8	\$650	10
PORSCHE								
Taycan 4 Cross Turismo	175 and 320 kW ACPM	Li-Ion	80/80/80	42/42/42	235	10.5	\$900	10
Taycan 4S Cross Turismo	175 and 320 kW ACPM	Li-Ion	78/78/78	43/43/43	230	10.5	\$900	10
Taycan Turbo Cross Turismo	175 and 335 kW ACPM	Li-Ion	79/80/78	42/41/42	233	10.5	\$850	10
Taycan Turbo S Cross Turismo	190 and 335 kW ACPM	Li-Ion	75/76/74	45/44/45	222	10.5	\$950	10
TESLA								
Model 3 Long Range AWD	98 and 195 kW AC 3-Phase	Li-Ion	131/134/126	26/25/27	358	11.5†	\$550	10
Model 3 Performance AWD	131 and 190 kW AC 3-Phase	Li-Ion	113/118/107	30/29/32	315	10†	\$650	10
Model 3 RWD	192 kW AC 3-Phase	Li-Ion	132/138/126	25/25/27	272	10.4†	\$550	10

Model	Motor	Battery Type	Fuel Economy (comb/city/hwy)		Driving Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
			MPGe	kWh/100 mi				
LARGE CARS								
BMW								
i7 xDrive60 Sedan (19 inch wheels)	TBD	Li-Ion	89/87/92	38/39/37	318	12	\$800	10
i7 xDrive60 Sedan (20 inch wheels)	TBD	Li-Ion	83/81/85	41/42/39	296	12	\$850	10
i7 xDrive60 Sedan (21 inch wheels)	TBD	Li-Ion	87/85/89	39/39/38	308	12	\$800	10
GENESIS								
GV60 ADVANCE	74 and 160 kW PMSM	Li-Ion	95/103/86	35/33/39	248	7.2	\$750	10
GV60 PERFORMANCE	160 and 160 kW PMSM	Li-Ion	90/97/82	37/35/41	235	7.2	\$750	10
LUCID								
Air G Touring XR AWD with 19 inch wheels	370 and 459kW ACPM	Li-Ion	131/130/132	26/26/25	516	13	\$550	10
Air G Touring XR AWD with 20 inch wheels	370 and 370kW ACPM	Li-Ion	121/121/122	28/28/28	469	13	\$600	10
Air G Touring XR AWD with 21 inch wheels	TBD	Li-Ion	121/121/122	28/28/28	469	13	\$600	10
Air GT P AWD with 21 inch wheels	TBD	Li-Ion	111/110/111	30/31/30	446	13	\$650	10
Air Pure AWD with 19 inch wheels	TBD	Li-Ion	140/141/140	24/24/24	410	10	\$500	10
Air Pure AWD with 20 inch wheels	TBD	Li-Ion	121/121/120	28/28/28	384	10	\$600	10
Air Touring AWD with 19 inch wheels	TBD	Li-Ion	140/141/140	24/24/24	425	10	\$500	10
Air Touring AWD with 20 inch wheels	TBD	Li-Ion	121/121/120	28/28/28	384	10	\$600	10
Air Touring AWD with 21 inch wheels	TBD	Li-Ion	121/121/120	28/28/28	384	10	\$600	10
MERCEDES-BENZ								
EQS 450 4Matic	TBD	Li-Ion	103/101/105	31/32/30	340	12.5	\$650	10
TESLA								
Model S	247 and 247 kW AC 3-Phase	Li-Ion	120/124/115	28/27/29	405	15+	\$600	10
SMALL STATION WAGONS								
CHEVROLET								
Bolt EUV	150 kW ACPM	Li-Ion	115/125/104	29/27/32	247	7.5	\$600	10
Bolt EV	150 kW ACPM	Li-Ion	120/131/109	28/26/31	259	7.5	\$600	10
KIA								
EV6 AWD GT	TBD	Li-Ion	79/85/74	42/40/46	206	8.9	\$900	10
EV6 Long Range AWD (19 inch tires)	TBD	Li-Ion	109/120/98	31/28/35	282	8.4	\$650	10
EV6 Long Range AWD (20 inch tires)	TBD	Li-Ion	96/106/86	34/31/38	252	8.4	\$700	10
EV6 Long Range RWD	TBD	Li-Ion	117/134/101	28/24/32	310	8.7	\$600	10
EV6 Standard Range RWD	TBD	Li-Ion	117/136/100	28/24/33	232	6.3	\$600	10
Niro Electric	TBD	Li-Ion	113/126/101	29/26/33	253	7.5	\$600	10
NISSAN								
ARIYA ENG Plus/EVO Plus e-4ORCE 87kWh	160 and 160 AC 3-phase	Li-Ion	92/97/86	37/35/39	272	13	\$750	10
ARIYA ENGAGE e-4ORCE 63kWh	160 and 160 AC 3-phase	Li-Ion	95/101/89	35/33/38	205	10	\$750	10
ARIYA ENGAGE FWD 63kWh	TBD	Li-Ion	101/109/94	33/31/36	216	10	\$700	10
ARIYA EVO Plus/EMP Plus/PRM FWD 87kWh	TBD	Li-Ion	98/105/91	34/32/37	289	14	\$700	10
ARIYA PLAT Plus e-4ORCE 87kWh 19	160 and 160 AC 3-phase	Li-Ion	90/93/87	37/36/39	267	14	\$800	10
ARIYA PLAT Plus e-4ORCE 87kWh 20	160 and 160 AC 3-phase	Li-Ion	87/89/84	39/38/40	257	14	\$800	10
ARIYA VENTURE Plus FWD 87kWh	TBD	Li-Ion	103/111/95	33/30/36	304	14	\$700	10
STANDARD PICKUP TRUCKS 4WD								
FORD								
F-150 Lightning 4WD	358 and 358 kW AC PMSM	Li-Ion	68/76/61	49/44/49	240	11.9	\$1,050	10
F-150 Lightning 4WD Extended Range	210 and 210 kW AC PMSM	Li-Ion	70/78/63	48/43/48	320	10.1	\$1,000	10
F-150 Lightning Platinum 4WD	210 and 210 kW AC PMSM	Li-Ion	66/73/60	51/46/51	300	9.3	\$1,050	10
LORDSTOWN								
Endurance	96, 96, 96 and 96 kW AC PMSM	Li-Ion	48/49/46	70/69/72	174	19	\$1,450	10

Model	Motor	Battery Type	Fuel Economy (comb/city/hwy)		Driving Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
			MPGe	kWh/100 mi				
RIVIAN								
R1T (20 inch wheels)	162, 162, 163, 163kW AC 3-Phase	Li-Ion	64/69/60	52/49/56	289	13	\$1,100	10
R1T (21 inch wheels)	162, 162, 163, 163kW AC 3-Phase	Li-Ion	73/76/69	46/44/49	328	13	\$950	10
R1T (22 inch wheels)	162, 162, 163, 163kW AC 3-Phase	Li-Ion	68/73/63	49/46/53	303	13	\$1,050	10
R1T 21 inch Dual Large	418 kW ACPM	Li-Ion	78/82/74	43/41/46	352	13	\$900	10
R1T 21 inch Performance Dual Large	496 kW ACPM	Li-Ion	78/82/74	43/41/46	352	13	\$900	10
R1T 22 inch Dual Large	418 kW ACPM	Li-Ion	76/80/71	44/42/48	341	13	\$950	10
R1T 22 inch Performance Dual Large	496 kW ACPM	Li-Ion	76/80/71	44/42/48	341	13	\$950	10

SPECIAL PURPOSE VEHICLES 4WD

VINFAST

VF 8 Eco	130 and 130 kW ACPM 3-Phase	Li-Ion	87/89/85	39/38/40	207	12	\$800	10
VF 8 Plus	150 and 150 kW ACPM 3-Phase	Li-Ion	80/82/78	42/41/43	191	12	\$900	10

SMALL SPORT UTILITY VEHICLES 2WD

AUDI

Q4 e-tron	TBD	Li-Ion	103/112/94	33/30/36	265	9	\$700	10
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CADILLAC

LYRIQ	255 kW ACPM	Li-Ion	89/97/82	38/35/41	312	6.5	\$800	10
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FORD

Mustang Mach-E RWD	198 kW AC PMSM	Li-Ion	103/110/96	33/31/35	247	8.1	\$700	10
Mustang Mach-E RWD Extended	216 kW AC PMSM	Li-Ion	99/105/92	34/32/37	310	10.2	\$700	10
Mustang Mach-E RWD LFP	198 kW ACPM	Li-Ion	101/107/95	33/32/33	250	7.4	\$700	10

HYUNDAI

Kona Electric	TBD	Li-Ion	120/134/106	27/25/31	258	9.5	\$600	10
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TOYOTA

bZ4X	150 kW AC Synchronous	Li-Ion	119/131/107	28/26/31	252	11	\$600	10
bZ4X LIMITED	150 kW AC Synchronous	Li-Ion	114/125/103	30/27/33	242	11	\$650	10

VOLKSWAGEN

ID.4	150 kW AC 3-Phase	Li-Ion	107/115/99	31/29/34	209	6	\$650	10
ID.4 Pro	150 kW AC 3-Phase	Li-Ion	107/115/98	32/29/34	275	7.5	\$650	10
ID.4 Pro S	150 kW AC 3-Phase	Li-Ion	107/115/98	32/29/34	275	7.5	\$650	10
ID.4 S	150 kW AC 3-Phase	Li-Ion	107/115/99	31/29/34	209	6	\$650	10

SMALL SPORT UTILITY VEHICLES 4WD

CADILLAC

LYRIQ AWD	155 and 220 kW ACPM	Li-Ion	89/96/81	38/35/42	307	10.7	\$800	10
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FORD

Mustang Mach-E AWD	198 and 198 kW AC PMSM	Li-Ion	93/99/86	36/34/39	224	8	\$750	10
Mustang Mach-E AWD Extended	258 and 258 kW AC PMSM	Li-Ion	92/97/85	37/35/39	290	10	\$750	10
MUSTANG MACH-E CAL RT 1 ER AWD	258 and 258 kW AC PMSM	Li-Ion	98/105/91	34/32/37	312	10.1	\$700	10
Mustang Mach-E GT	179 and 179 kW AC PMSM	Li-Ion	84/90/77	40/37/44	270	10.3	\$850	10
Mustang Mach-E GT Performance	179 and 179 kW AC PMSM	Li-Ion	82/90/77	41/38/44	260	10.1	\$850	10

JAGUAR

I-Pace EV400 (20 inch tires)	TBD	Li-Ion	85/89/82	39/38/41	246	13	\$850	10
I-Pace EV400 (22 inch tires)	TBD	Li-Ion	76/79/72	45/43/47	217	13	\$950	10

LEXUS

RZ 450e AWD (18 inch Wheels)	80 and 150 kW AC Synchronous	Li-Ion	107/115/98	32/29/34	220	10	\$650	10
RZ 450e AWD (20 inch Wheels)	80 and 150 kW AC Synchronous	Li-Ion	95/102/87	36/33/39	196	10	\$750	10

SUBARU

Solterra AWD	TBD	Li-Ion	104/114/94	31/28/34	228	11	\$650	10
Solterra Limited/Touring AWD	TBD	Li-Ion	102/111/93	32/29/35	222	11	\$650	10

Model	Motor	Battery Type	Fuel Economy (comb/city/hwy)		Driving Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
			MPGe	kWh/100 mi				
TESLA								
Model Y AWD	91 and 200 kW AC 3-Phase	Li-Ion	123/129/116	28/26/29	279	9.4‡	\$600	10
Model Y Long Range AWD	91 and 200 kW AC 3-Phase	Li-Ion	122/127/117	28/27/29	330	11.5‡	\$600	10
Model Y Performance AWD	133 and 179 kW AC 3-Phase	Li-Ion	111/115/106	30/29/32	303	11.8‡	\$650	10
TOYOTA								
bZ4X AWD	80 and 150 kW AC Synchronous	Li-Ion	104/114/94	32/30/36	228	11	\$650	10
bZ4X LIMITED AWD	80 and 150 kW AC Synchronous	Li-Ion	102/112/92	33/30/36	222	11	\$700	10
VOLKSWAGEN								
ID.4 AWD Pro	TBD	Li-Ion	99/104/93	34/32/36	255	7.5	\$700	10
ID.4 AWD Pro S	TBD	Li-Ion	99/104/93	34/32/36	255	7.5	\$700	10
VOLVO								
C40 Recharge twin	175 and 175 kW ACPMSM	Li-Ion	87/94/80	39/36/42	226	8	\$800	10
XC40 Recharge twin	150 and 150 kW ACPMSM	Li-Ion	85/92/79	39/37/43	223	8	\$850	10
STANDARD SPORT UTILITY VEHICLES 2WD								
MERCEDES-BENZ								
EQS 450 Plus (SUV)	TBD	Li-Ion	85/87/83	39/38/40	305	12.8	\$800	10
STANDARD SPORT UTILITY VEHICLES 4WD								
AUDI								
e-tron quattro	TBD	Li-Ion	79/78/79	43/43/43	226	10	\$900	10
e-tron S (20 inch wheels)	TBD	Li-Ion	73/72/75	46/47/45	208	10	\$950	10
e-tron S (21/22 inch wheels)	138 kW Asynchron 3-Phase	Li-Ion	63/62/64	53/54/52	181	10	\$1,100	10
e-tron S Sportback (20 inch wheels)	TBD	Li-Ion	75/73/78	45/46/43	212	10	\$950	10
e-tron S Sportback (21/22 inch wheels)	138 and 157 kW Asynchron 3-Phase	Li-Ion	65/64/66	52/53/51	185	10	\$1,100	10
e-tron Sportback quattro	TBD	Li-Ion	78/77/80	43/44/42	225	10	\$900	10
Q4 e-tron quattro	TBD	Li-Ion	93/97/87	36/35/39	236	9	\$750	10
Q4 e-tron Sportback	TBD	Li-Ion	95/100/89	36/34/38	242	9	\$750	10
BMW								
iX M60 (21 inch wheels)	190 and 360 kW EESM	Li-Ion	77/76/80	44/44/42	288	12	\$900	10
iX M60 (22 inch wheels)	190 and 360 kW EESM	Li-Ion	78/77/80	43/44/42	274	12	\$900	10
iX xDrive50 (20 inch wheels)	TBD	Li-Ion	86/86/87	39/39/39	324	12	\$800	10
iX xDrive50 (21 inch wheels)	TBD	Li-Ion	83/82/84	41/41/40	305	12	\$850	10
iX xDrive50 (22 inch wheels)	TBD	Li-Ion	86/86/85	39/39/39	315	12	\$800	10
FIKSER								
Ocean Extreme One	207 and 207 kW AC Induction	Li-Ion	92/99/84	37/34/40	360	NA	\$750	10
MERCEDES-BENZ								
EQS 450 4Matic (SUV)	TBD	Li-Ion	78/79/77	43/42/43	285	12.8	\$900	10
EQS 580 4Matic (SUV)	TBD	Li-Ion	77/79/74	42/41/44	285	12.8	\$900	10
RIVIAN								
R1S (20 inch wheels)	162, 162, 163, 163kW AC 3-Phase	Li-Ion	64/69/60	52/49/56	289	13	\$1,100	10
R1S (21 inch wheels)	162, 162, 163, 163kW AC 3-Phase	Li-Ion	71/75/66	47/45/51	321	13	\$1,000	10
R1S (22 inch wheels)	162, 162, 163, 163kW AC 3-Phase	Li-Ion	68/73/63	49/46/53	303	13	\$1,050	10
R1S 20 inch All-Terrain	162, 162, 163, 163 kW AC 3-Phase	Li-Ion	63/65/60	54/52/56	274	13	\$1,150	10
R1S 20 inch All-Terrain Dual Large	208 kW ACPM	Li-Ion	68/72/64	49/47/52	307	13	\$1,050	10
R1S 20 inch All-Terrain Performance Dual Large	208 kW ACPM	Li-Ion	68/72/64	49/47/52	307	13	\$1,050	10
R1S 21 inch Dual Large	418 kW ACPM	Li-Ion	78/82/74	43/41/46	352	13	\$900	10
R1S 21 inch Performance Dual Large	496 kW ACPM	Li-Ion	78/82/74	43/41/46	352	13	\$900	10
R1S 22 inch Dual Large	418 kW ACPM	Li-Ion	75/80/71	45/42/48	341	13	\$950	10
R1S 22 inch Performance Dual Large	496 kW ACPM	Li-Ion	75/80/71	45/42/48	341	13	\$950	10
TESLA								
Model X	243 and 248 kW AC 3-Phase	Li-Ion	102/107/97	33/32/35	348	14‡	\$700	10
Model X Plaid (20 inch wheels)	230, 230 and 230 kW AC 3-Phase	Li-Ion	98/103/93	34/33/36	333	14‡	\$700	10
Model X Plaid (22 inch wheels)	230, 230 and 230 kW AC 3-Phase	Li-Ion	91/94/88	37/36/38	311	14‡	\$800	10

NOTES AND ABBREVIATIONS:

*Range for combined city/highway driving (55% city and 45% highway)
†First value is time required with the 48A high power charger option; second value is with standard charger.
‡First value is time required with the 72A high power charger option; second value is with standard charger.
§Available for sale or lease nationwide in the winter of 2022.
AC Induction..... Alternating current induction motor
ACPM.....Alternating current permanent magnet motor

DCPM.....Direct current permanent magnet motor
EESM..... Externally excited synchronous machine
Li-Ion.....Lithium-ion
MPGe Miles per gallon gasoline equivalent
NANot available
PMACSPermanent magnet AC Synchronous
PMSM Permanent magnet synchronous motor
TBDTo be determined

PLUG-IN HYBRID VEHICLES

Plug-in hybrid electric vehicles (PHEVs) are hybrids that can be charged by plugging them into an electrical outlet or charging station. Plug-in hybrids can store enough electricity from the power grid to significantly reduce their gasoline consumption under typical driving conditions.

There are two basic plug-in hybrid configurations:

- **Series PHEVs, also called Extended Range Electric Vehicles (EREVs).** The electric motor on these vehicles is the only power source that turns the wheels; the gasoline engine only generates electricity. Series PHEVs can run solely on electricity until the battery needs to be recharged. The gasoline engine will then generate the electricity needed to power the electric motor. For short trips, these vehicles may not use any gasoline.
- **Parallel or Blended PHEVs.** Both the engine and electric motor are mechanically connected to the wheels, and both may propel the vehicle. The vehicle may operate using both electricity and gasoline at the same time, using electricity only, or using gasoline only.

Plug-in hybrids also have different battery capacities, allowing some to travel farther on electricity than others. PHEV fuel economy, like that of EVs and regular hybrids, can be sensitive to driving style, driving conditions, and accessory use. When operating in pure electric mode, PHEVs emit no tailpipe pollutants, although the power plant producing the electricity may emit pollution.

Charging a PHEV's battery typically takes several hours. They can be charged at home or at an increasing number of workplaces or public locations. However, PHEVs don't have to be plugged in to be driven. They can be fueled solely with gasoline, like a conventional hybrid, but they will not achieve maximum range or fuel economy without charging.

Plug-in hybrids use less gasoline and cost less to fuel than conventional hybrids, but they are more expensive to purchase.

A federal income tax credit of up to \$7,500 is currently available to consumers purchasing a qualifying plug-in hybrid. State and/or local incentives may also apply. For additional information on PHEVs, including tax incentives, visit fuelconomy.gov.



Manufacturer, Model, Trans, Eng Size, Cyl, Electric Motor	Fuel	Fuel Economy Combined MPGe	Range (miles)	Total Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
		Comb / City / Hwy MPG					
TWO-SEATER CARS							
FERRARI							
296 GTB Spider							
AM-S8, 2.9L, 6cyl, 137 kW PMSM	Electricity + Gasoline	47 MPGe ([71kWh + 0 gal]/100 mi)†	7	330	2.5	\$3,400	5
	Premium Gasoline	18 / 15 / 21	327				
SF90 Spider							
AM-8, 3.9L, 8cyl, 99, 99 and 150 kW PMSM	Electricity + Gasoline	44 MPGe ([77kWh + 0 gal]/100 mi)†	8	330	2.5	\$3,400	5
	Premium Gasoline	17 / 16 / 19	320				
SF90 Stradale							
AM-8, 3.9L, 8cyl, 99, 99 and 150 kW PMSM	Electricity + Gasoline	51 MPGe ([66kWh + 0 gal]/100 mi)†	9	340	2.5	\$3,250	5
	Premium Gasoline	18 / 16 / 20	330				
MCLAREN AUTOMOTIVE							
Artura							
AM-S8, 3.0L, 6cyl, 71 kW DCPM	Electricity + Gasoline	39 MPGe ([86kWh + 0 gal]/100 mi)†	11	330	3.5	\$3,000	6
	Premium Gasoline	18 / 17 / 21	323				
COMPACT CARS							
BMW							
330e Sedan							
A-S8, 2.0L, 4cyl, 80 kW PMSM	Electricity + Gasoline	73 MPGe ([48kWh + 0 gal]/100 mi)†	22	310	3	\$1,750	9
	Premium Gasoline	27 / 24 / 32	291				
330e xDrive Sedan							
A-S8, 2.0L, 4cyl, 80 kW PMSM	Electricity + Gasoline	68 MPGe ([45kWh + 0 gal]/100 mi)†	20	300	3	\$1,850	9
	Premium Gasoline	26 / 22 / 32	281				
530e Sedan							
A-S8, 2.0L, 4cyl, 80 kW PMSM	Electricity + Gasoline	64 MPGe ([49kWh + 0 gal]/100 mi)†	21	340	3	\$1,850	8
	Premium Gasoline	26 / 24 / 29	323				
530e xDrive Sedan							
A-S8, 2.0L, 4cyl, 80 kW PMSM	Electricity + Gasoline	62 MPGe ([53kWh + 0 gal]/100 mi)†	19	320	3	\$2,050	8
	Premium Gasoline	25 / 22 / 28	302				
VOLVO							
S60 T8 AWD Recharge							
A-S8, 2.0L, 4cyl, 34 kW 3-phase Sync.	Electricity + Gasoline	74 MPGe ([44kWh + 0.1 gal]/100 mi)	40	530	5	\$1,350	10
	Premium Gasoline	31 / 30 / 33	492				
MIDSIZE CARS							
BENTLEY							
Flying Spur Hybrid							
AM-S8, 2.9L, 6cyl, 103 kW AC Induction	Electricity + Gasoline	46 MPGe ([74kWh + 0 gal]/100 mi)†	21	430	3	\$2,650	7
	Premium Gasoline	19 / 17 / 22	406				
MINI							
Cooper SE Countryman All4							
A-S6, 1.5L, 3cyl, 65 kW AC Induction	Electricity + Gasoline	73 MPGe ([46kWh + 0 gal]/100 mi)†	18	300	2	\$1,750	8
	Premium Gasoline	29 / 29 / 30	280				
TOYOTA							
Prius Prime							
AV, 2.0L, 4cyl, 120 kW AC Induction	Electricity + Gasoline	114 MPGe ([29kWh + 0 gal]/100 mi)†	40	550	4	\$800	10
	Gasoline	48 / 50 / 47	513				

Manufacturer, Model, Trans, Eng Size, Cyl, Electric Motor	Fuel	Fuel Economy Combined MPGe	Range (miles)	Total Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
		Comb / City / Hwy MPG					

Prius Prime SE

AV, 2.0L, 4cyl, 120 kW AC Induction	Electricity + Gasoline	127 MPGe ([26kWh + 0 gal]/100 mi)†	45	600	4	\$700	10
	Gasoline	52 / 53 / 51	553				

VOLVO

S90 T8 AWD Recharge ext. Range

A-S8, 2.0L, 4cyl, 34 and 107 kW 3-phase Sync.	Electricity + Gasoline	66 MPGe ([48kWh + 0.1 gal]/100 mi)	38	520	5	\$1,450	10
	Premium Gasoline	30 / 28 / 33	485				

LARGE CARS

MERCEDES-BENZ

S580e 4matic

A-9, 3.0L, 6cyl, 110 kW PMSM	Electricity + Gasoline	51 MPGe ([51kWh + 0 gal]/100 mi)†	56	470	2.5	\$1,600	10
	Premium Gasoline	23 / 20 / 29	417				

PORSCHE

Panamera 4 e-Hybrid

AM-S8, 2.9L, 6cyl, 70 kW DC Brushless	Electricity + Gasoline	52 MPGe ([64kWh + 0 gal]/100 mi)†	19	480	3	\$2,300	7
	Premium Gasoline	22 / 21 / 24	463				

Panamera 4S E-Hybrid

AM-S8, 2.9L, 6cyl, 70 kW DC Brushless	Electricity + Gasoline	50 MPGe ([66kWh + 0 gal]/100 mi)†	19	480	3	\$2,350	7
	Premium Gasoline	22 / 21 / 23	461				

Panamera Turbo S e-Hybrid

AM-S8, 4.0L, 8cyl, 100 kW DC Brushless	Electricity + Gasoline	48 MPGe ([70kWh + 0 gal]/100 mi)†	17	430	3	\$2,650	6
	Premium Gasoline	19 / 18 / 22	413				

SMALL STATION WAGONS

KIA

Niro Plug-in Hybrid

AM-S6, 1.6L, 4cyl, 62 kW AC PMSM	Electricity + Gasoline	108 MPGe ([31kWh + 0 gal]/100 mi)†	34	510	2.8	\$850	10
	Gasoline	48 / 49 / 47	474				

VOLVO

V60 T8 AWD Recharge ext. Range

A-S8, 2.0L, 4cyl, 34 and 107 kW 3-phase Sync.	Electricity + Gasoline	74 MPGe ([44kWh + 0.1 gal]/100 mi)	40	530	5	\$1,350	10
	Premium Gasoline	31 / 30 / 33	492				

MINIVANS 2WD

CHRYSLER

Pacifica Hybrid

AV, 3.6L, 6cyl, 89 kW AC Induction	Electricity + Gasoline	82 MPGe ([41kWh + 0 gal]/100 mi)†	32	520	2	\$1,250	10
	Gasoline	30 / 29 / 30	487				

SMALL SPORT UTILITY VEHICLES 2WD

FORD

Escape FWD PHEV

AV, 2.5L, 4cyl, 78 kW DCPM	Electricity + Gasoline	101 MPGe ([33kWh + 0 gal]/100 mi)†	37	520	3.4	\$950	10
	Gasoline	40 / 42 / 37	479				

SMALL SPORT UTILITY VEHICLES 4WD

AUDI

Q5 TFSI e quattro

AM-S7, 2.0L, 4cyl, 105 kW AC Induction	Electricity + Gasoline	60 MPGe ([56kWh + 0 gal]/100 mi)†	22	400	3	\$1,800	9
	Premium Gasoline	26 / 25 / 27	378				

Manufacturer, Model, Trans, Eng Size, Cyl, Electric Motor	Fuel	Fuel Economy Combined MPGe	Range (miles)	Total Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
		Comb / City / Hwy MPG					
HYUNDAI							
Santa Fe Plug-in Hybrid							
AM-S6, 1.6L, 4cyl, 67 kW AC PMSM	Electricity + Gasoline	76 MPGe ([44kWh + 0 gal]/100 mi)†	31	440	3.4	\$1,200	10
	Gasoline	33 / 33 / 32	407				
Tucson Plug-in Hybrid							
AM-S6, 1.6L, 4cyl, 67 kW AC PMSM	Electricity + Gasoline	80 MPGe ([42kWh + 0 gal]/100 mi)†	33	420	1.7	\$1,150	10
	Gasoline	35 / 35 / 35	389				
JEEP							
Wrangler 4dr 4xe							
A-8, 2.0L, 4cyl, 100 kW AC Induction	Electricity + Gasoline	49 MPGe ([68kWh + 0 gal]/100 mi)†	22	370	2.4	\$2,050	7
	Gasoline	20 / 20 / 20	346				
KIA							
Sorento Plug-in Hybrid							
AM-S6, 1.6L, 4cyl, 67 kW AC PMSM	Electricity + Gasoline	79 MPGe ([43kWh + 0 gal]/100 mi)†	32	460	3.4	\$1,150	10
	Gasoline	34 / 35 / 33	423				
Sportage Plug-in Hybrid							
AM-S6, 1.6L, 4cyl, 67 kW AC IPMSM	Electricity + Gasoline	84 MPGe ([40kWh + 0 gal]/100 mi)†	34	430	2	\$1,100	10
	Gasoline	35 / 36 / 35	393				
LEXUS							
NX 450h Plus AWD							
AV-S6, 2.5L, 4cyl, 40 and 134 kW AC Induction	Electricity + Gasoline	84 MPGe ([40kWh + 0 gal]/100 mi)†	37	550	4.5	\$1,200	10
	Premium Gasoline	36 / 38 / 33	517				
LINCOLN							
Corsair AWD PHEV							
AV, 2.5L, 4cyl, 50 and 96 kW DCPM	Electricity + Gasoline	78 MPGe ([44kWh + 0 gal]/100 mi)†	27	420	3.2	\$1,250	10
	Gasoline	33 / 34 / 32	396				
SUBARU							
Crosstrek Hybrid AWD							
AV, 2.0L, 4cyl, 88 kW DCPM	Electricity + Gasoline	90 MPGe ([38kWh + 0 gal]/100 mi)†	17	480	2	\$1,200	9
	Gasoline	35 / 36 / 35	464				
TOYOTA							
RAV4 Prime 4WD							
AV-S6, 2.5L, 4cyl, 40 and 134 kW AC Induction	Electricity + Gasoline	94 MPGe ([36kWh + 0 gal]/100 mi)†	42	600	4.5	\$950	10
	Gasoline	38 / 40 / 36	555				
VOLVO							
XC60 T8 AWD Recharge							
A-S8, 2.0L, 4cyl, 34 kW 3-phase Sync.	Electricity + Gasoline	63 MPGe ([50kWh + 0.1 gal]/100 mi)	36	560	5	\$1,550	10
	Premium Gasoline	28 / 28 / 28	521				
STANDARD SPORT UTILITY VEHICLES 4WD							
BENTLEY							
Bentayga Hybrid							
A-S8, 3.0L, 6cyl, 103 kW AC Induction	Electricity + Gasoline	47 MPGe ([71kWh + 0 gal]/100 mi)†	18	420	3	\$2,400	7
	Premium Gasoline	20 / 18 / 24	402				
BMW							
X5 xDrive45e							
A-S8, 3.0L, 6cyl, 83 kW PMSM	Electricity + Gasoline	50 MPGe ([63kWh + 0.1 gal]/100 mi)	31	400	5	\$2,200	8
	Premium Gasoline	20 / 19 / 22	373				
XM							
A-S8, 4.4L, 8cyl, 145 kW PMSM	Electricity + Gasoline	73 MPGe ([46kWh + 0 gal]/100 mi)†	31	300	7	\$2,550	7
	Premium Gasoline	14 / 12 / 17	268				

Manufacturer, Model, Trans, Eng Size, Cyl, Electric Motor	Fuel	Fuel Economy Combined MPGe	Range (miles)	Total Range* (miles)	Charge Time (hrs @ 240 V)	Annual Fuel Cost	GHG Rating
		Comb / City / Hwy MPG					
JEEP							
Grand Cherokee 4xe							
A-8, 2.0L, 4cyl, 100 kW AC Induction	Electricity + Gasoline	56 MPGe ([58kWh + 0 gal]/100 mi)†	26	470	3.4	\$1,700	8
	Gasoline	23 / 23 / 24	447				
LAND ROVER							
New Range Rover P440 PHEV							
A-S8, 3.0L, 6cyl, 105 kW DCPM	Electricity + Gasoline	51 MPGe ([65kWh + 0 gal]/100 mi)†	51	450	4	\$1,850	10
	Premium Gasoline	21 / 19 / 24	400				
New Range Rover Sport P440 PHEV							
A-S8, 3.0L, 6cyl, 105 kW DCPM	Electricity + Gasoline	51 MPGe ([65kWh + 0 gal]/100 mi)†	51	450	4	\$1,850	10
	Premium Gasoline	21 / 19 / 24	400				
LINCOLN							
Aviator PHEV AWD							
A-S10, 3.0L, 6cyl, 74 kW DCPM	Electricity + Gasoline	56 MPGe ([60kWh + 0 gal]/100 mi)†	21	460	3.5	\$1,800	8
	Gasoline	23 / 22 / 25	443				
MITSUBISHI							
Outlander PHEV							
A-1, 2.4L, 4cyl, 85 and 100 kW DCPM	Electricity + Gasoline	52 MPGe ([52kWh + 0 gal]/100 mi)†	38	420	6.5	\$1,400	10
	Gasoline	26 / 25 / 27	386				
PORSCHE							
Cayenne Turbo S e-Hybrid							
A-S8, 4.0L, 8cyl, 99 kW DC Brushless	Electricity + Gasoline	42 MPGe ([82kWh + 0 gal]/100 mi)†	15	370	3	\$3,000	6
	Premium Gasoline	18 / 17 / 20	359				
Cayenne Turbo S e-Hybrid Coupe							
A-S8, 4.0L, 8cyl, 99 kW DC Brushless	Electricity + Gasoline	42 MPGe ([82kWh + 0 gal]/100 mi)†	15	370	3	\$3,000	6
	Premium Gasoline	18 / 17 / 20	359				
VOLVO							
XC90 T8 AWD Recharge							
A-S8, 2.0L, 4cyl, 34 and 107 kW 3-phase Sync.	Electricity + Gasoline	58 MPGe ([55kWh + 0.1 gal]/100 mi)	33	530	5	\$1,750	9
	Premium Gasoline	27 / 26 / 27	499				

NOTES AND ABBREVIATIONS:

*Total range includes operation on both electricity and gasoline and is rounded to the nearest 10 miles.

†This vehicle did not use any gasoline during charge-depleting (electric) operation during EPA city and highway tests. However, depending on how you drive the vehicle, you may use both gasoline and electricity during charge-depleting operation following a full charge.

3-phase Sync.....3-phase synchronous motor

AC.....Alternating current induction motor

DC Brushless.....Direct Current Brushless Motor

DCPM.....Direct current permanent magnet motor

IPMSM.....Interior permanent magnet synchronous motor

Li-Ion.....Lithium-ion

MPGe.....Miles per gallon gasoline equivalent

MPK.....Miles per kilogram

Ni-MH.....Nickel-metal hydride

PEM.....Proton exchange membrane

NA.....Not available

PMAC.....Permanent magnet alternating current motor

PMACS.....Permanent magnet alternating current synchronous motor

PMSM.....Permanent magnet synchronous motor

FUEL CELL VEHICLES

Though not yet available for the mass market, a limited number of fuel cell vehicles (FCVs) are available for lease and sale in select regions of the country, mostly in California. FCVs are propelled by electric motors powered by fuel cells, which produce electricity from the chemical energy of hydrogen. Fuel cell technology is more efficient than internal combustion engines and environmentally

cleaner—the only by-product of a hydrogen fuel cell vehicle is water. However, several challenges must be overcome before FCVs are mass-marketed and sold across the country. For more information about FCVs, visit fuel-economy.gov and the Fuel Cell Technologies Program website at www.energy.gov/eere/fuelcells/fuel-cell-technologies-office/.

Model	Fuel Cell Type	Motor	Battery Type & Rating	Fuel Type	Fuel Economy Comb/City/Hwy	Driving Range (miles)
COMPACT CARS						
TOYOTA						
Mirai LE	PEFC	134 kW AC Synchronous	311 V Li-Ion	Hydrogen	MPK 72 / 74 / 70 MPGe 74 / 76 / 71	330
Mirai Limited	PEFC	134 kW AC Synchronous	311 V Li-Ion	Hydrogen	MPK 64 / 65 / 63 MPGe 65 / 67 / 64	357
Mirai XLE	PEFC	134 kW AC Synchronous	311 V Li-Ion	Hydrogen	MPK 72 / 74 / 70 MPGe 74 / 76 / 71	402
SMALL SPORT UTILITY VEHICLES 2WD						
HYUNDAI						
Nexo	PEM	120 kW IPMSM	240 V Li-Ion	Hydrogen	MPK 56 / 58 / 53 MPGe 57 / 59 / 54	354
Nexo Blue	PEM	120 kW IPMSM	240 V Li-Ion	Hydrogen	MPK 60 / 64 / 56 MPGe 61 / 65 / 58	380

NOTES AND ABBREVIATIONS:

AC..... Alternating current induction motor
 IPMSM..... Interior permanent magnet synchronous motor
 Li-Ion..... Lithium-ion

MPGe..... Miles per gallon gasoline equivalent
 MPK..... Miles per kilogram
 PEFC..... Polymer electrolyte fuel cell
 PEM..... Proton exchange membrane

DIESEL VEHICLES

Diesel-powered vehicles are typically more fuel efficient than comparable vehicles powered by gasoline. Diesel engines are inherently more energy-efficient, and diesel fuel contains roughly 10%–15% more energy per gallon than gasoline. In addition, new

advances in diesel engine technology have improved performance, reduced engine noise and fuel odor, and decreased emissions of harmful air pollutants. Ultra-low sulfur diesel fuels also help reduce emissions from these vehicles.



Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

STANDARD PICKUP TRUCKS 2WD

CHEVROLET

Silverado 2WD

A-10, 3.0L, 6cyl 26 24/29 \$2,550 5 DTSS

GMC

Sierra 2WD

A-10, 3.0L, 6cyl 26 24/29 \$2,550 5 DTSS

STANDARD PICKUP TRUCKS 4WD

CHEVROLET

Silverado 4WD

A-10, 3.0L, 6cyl 24 22/27 \$2,800 4 DTSS
A-10, 3.0L, 6cyl 24 22/27 \$2,800 4 DT S-Mode SS

Silverado Mud Terrain Tires 4WD

A-10, 3.0L, 6cyl 22 21/23 \$3,050 4 DTSS

GMC

Sierra 4WD

A-10, 3.0L, 6cyl 24 22/27 \$2,800 4 DTSS

Sierra Mud Terrain Tires 4WD

A-10, 3.0L, 6cyl 22 21/23 \$3,050 4 DTSS

JEEP

Gladiator EcoDiesel 4WD

A-8, 3.0L, 6cyl 24 22/28 \$2,800 4 DTSS

Gladiator Rubic EcoDiesel 4WD

A-8, 3.0L, 6cyl 24 21/27 \$2,800 4 DTSS

RAM

1500 4WD

A-8, 3.0L, 6cyl 24 21/29 \$2,800 4 DT

SMALL SPORT UTILITY VEHICLES 4WD

JEEP

Wrangler 4dr EcoDiesel 4WD

A-8, 3.0L, 6cyl 25 22/29 \$2,650 5 DTSS

Wrangler Rubic 4dr EcoDiesel 4WD

A-8, 3.0L, 6cyl 23 21/26 \$2,900 4 DTSS

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Notes
	Comb	City/Hwy			

STANDARD SPORT UTILITY VEHICLES 2WD

CADILLAC

Escalade 2WD

A-10, 3.0L, 6cyl 23 21/27 \$2,900 4 DTSS

CHEVROLET

Suburban 2WD

A-10, 3.0L, 6cyl 23 21/27 \$2,900 4 DTSS

Tahoe 2WD

A-10, 3.0L, 6cyl 24 21/28 \$2,800 4 DTSS

GMC

Yukon 2WD

A-10, 3.0L, 6cyl 23 21/27 \$2,900 4 DTSS

Yukon XL 2WD

A-10, 3.0L, 6cyl 23 21/27 \$2,900 4 DTSS

STANDARD SPORT UTILITY VEHICLES 4WD

CADILLAC

Escalade 4WD

A-10, 3.0L, 6cyl 22 20/26 \$3,050 4 DTSS

CHEVROLET

Suburban 4WD

A-10, 3.0L, 6cyl 22 20/26 \$3,050 4 DTSS

Tahoe 4WD

A-10, 3.0L, 6cyl 22 20/26 \$3,050 4 DTSS

GMC

Yukon 4WD

A-10, 3.0L, 6cyl 22 20/26 \$3,050 4 DTSS

Yukon XL 4WD

A-10, 3.0L, 6cyl 22 20/26 \$3,050 4 DTSS

ETHANOL FLEXIBLE FUEL VEHICLES

Ethanol flexible fuel vehicles (FFVs) are designed by the original manufacturer to operate on gasoline, E85, 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 \$2.95 per gallon for E85, \$3.58 per gallon for regular unleaded gasoline, and \$4.52 per gallon for premium unleaded gasoline. The price of ethanol is highly variable from region to region; it is typically lower in the Midwestern United States and higher in other areas. Also, the ethanol content of E85 can range from 51% to 83% and typically varies seasonally. Therefore, actual consumer experience may differ

significantly from the annual fuel cost estimates presented here, which are based on fuel economy tests using E85.

Fuel economy and driving range 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 likely be somewhere between those listed for the two fuels, depending on the actual percentages of gasoline and E85 in the tank.

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Fuel	Driving Range (miles)
	Comb	City/Hwy				
STANDARD PICKUP TRUCKS 2WD						
CHEVROLET						
Silverado 2WD						
A-10, 5.3L, 8cyl	18	16/20	\$3,000	4	Gas	432/509
	13	12/15	\$3,400	4	E85	312/368
FORD						
F150 Pickup 2WD FFV						
A-S10, 3.3L, 6cyl	21	19/24	\$2,550	4	Gas	502/567
	16	14/18	\$2,750	5	E85	382/432
A-S10, 3.3L, 6cyl	20	19/23	\$2,700	4	Gas	478/540
	15	13/19	\$2,950	5	E85	358/405
A-S10, 5.0L, 8cyl	19	17/24	\$2,850	4	Gas	454/513
	14	12/18	\$3,150	4	E85	335/378
A-S10, 5.0L, 8cyl	20	17/25	\$2,700	4	Gas	478/540
	15	12/19	\$2,950	4	E85	358/405
GMC						
Sierra 2WD						
A-10, 5.3L, 8cyl	18	16/20	\$3,000	4	Gas	432/509
	13	12/15	\$3,400	4	E85	312/368

STANDARD PICKUP TRUCKS 4WD						
CHEVROLET						
Silverado 4WD						
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas	408/481
	12	11/14	\$3,700	3	E85	288/340
Silverado Mud Terrain Tires 4WD						
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas	408
	12	11/14	\$3,700	3	E85	288

Manufacturer Model Configuration (trans, eng size, cyl)	MPG		Annual Fuel Cost	GHG Rating	Fuel	Driving Range (miles)
	Comb	City/Hwy				
FORD						
F150 Pickup 4WD FFV						
A-S10, 3.3L, 6cyl	20	19/22	\$2,700	4	Gas	478/540
	15	14/18	\$2,950	5	E85	358/405
A-S10, 5.0L, 8cyl	19	17/22	\$2,850	4	Gas	454/513
	14	12/17	\$3,150	4	E85	335/378
A-S10, 5.0L, 8cyl	18	16/22	\$3,000	4	Gas	430/486
	14	12/17	\$3,150	4	E85	335/378
F150 Pickup Tremor 4WD FFV						
A-S10, 5.0L, 8cyl	17	15/20	\$3,150	3	Gas	631
	13	11/16	\$3,400	4	E85	482
A-S10, 5.0L, 8cyl	17	15/20	\$3,150	3	Gas	631
	13	12/16	\$3,400	4	E85	482
GMC						
Sierra 4WD						
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas	408/481
	12	11/14	\$3,700	3	E85	288/340
Sierra Mud Terrain Tires 4WD						
A-10, 5.3L, 8cyl	17	15/19	\$3,150	3	Gas	408
	12	11/14	\$3,700	3	E85	288

STANDARD SPORT UTILITY VEHICLES 4WD						
FORD						
Explorer FFV AWD						
A-10, 3.3L, 6cyl	20	17/25	\$2,700	4	Gas	436
	15	13/18	\$2,950	4	E85	327

INDEX

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
ACURA				
Integra		96/24		
Integra A-Spec		96/24		
MDX AWD				
MDX AWD Type-S				
MDX FWD				
RDX AWD				
RDX AWD A-SPEC				
RDX FWD				
RDX FWD A-SPEC				
TLX AWD		93/14		
TLX AWD A-SPEC		93/14		
TLX FWD		93/14		
TLX FWD A-SPEC		93/14		
TLX Type-S		93/13		
TLX Type-S Perf Tire		93/13		
ALFA ROMEO				
Giulia		100/12		
Giulia AWD		100/12		
Stelvio				
Stelvio AWD				
ASTON MARTIN				
DB11 V12		72/9		
DB11 V8		72/9		
DBS		72/9		
DBX 707				
DBX V8				
Vantage V12				
Vantage V8				
AUDI				
A3		87/11		9,11
A3 quattro		87/8		11
A4 allroad quattro		92/24		14
A4 quattro		92/12		11
A4 S-Line quattro		92/12		11
A5 Cabriolet quattro		83/9		11
A5 Coupe quattro		84/11		11
A5 Sportback quattro			91/22	12
A5 Sportback S-Line quattro			91/22	12
A6 Allroad		101/30		15
A6 quattro		99/14		12
A7			95/25	12
A8 L		111/13		13
e-tron GT		101/11		12,23
e-tron quattro				19,26
e-tron S (20 inch wheels)				19,26
e-tron S (21/22 inch wheels)				19,26
e-tron S Sportback (20 inch wheels)				19,26
e-tron S Sportback (21/22 inch wheels)				19,26
e-tron Sportback quattro				19,26
Q3				
Q3 S-Line				
Q4 e-tron				16,25
Q4 e-tron quattro				19,26
Q4 e-tron Sportback				19,26
Q5 quattro				17
Q5 S-Line quattro				17
Q5 Sportback S-line quattro				17
Q5 TFSI e quattro				17,30

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Q7				19
Q8				19
R8 Coupe quattro				
R8 Coupe RWD				
R8 GT RWD				
R8 Spyder quattro				
R8 Spyder RWD				
RS 5 Coupe		84/11		
RS 5 Sportback			91/22	
RS 6 Avant		101/30		15
RS 7			95/25	12
RS e-tron GT		101/11		12,23
RS Q8				19
S3		87/8		
S4		92/12		
S5 Cabriolet		83/9		
S5 Coupe		84/11		
S5 Sportback			91/22	
S6		99/14		12
S7			94/25	12
S8		111/13		13
SQ5				
SQ5 Sportback				
SQ7				
SQ8				
TT Coupe		73/12		
TT Roadster				
TTS Coupe		74/13		
BENTLEY				
Bentayga				
Bentayga EWB				
Bentayga Hybrid				19,31
Bentayga Speed				
Continental GT		87/11		
Continental GT Convertible		77/6		
Continental GT Convertible Speed		77/6		
Continental GT Speed		87/11		
Flying Spur		102/13		
Flying Spur Hybrid		102/13		12,29
BMW				
228i Gran Coupe		91/12		
228i xDrive Gran Coupe		91/12		
230i Coupe		88/10		
230i xDrive Coupe		88/10		
330e Sedan		94/9		11,29
330e xDrive Sedan		94/9		11,29
330i Sedan		94/13		
330i xDrive Sedan		94/13		
430i Convertible		84/9		
430i Coupe		86/12		
430i Gran Coupe		91/12		
430i xDrive Convertible		84/9		
430i xDrive Coupe		86/12		
430i xDrive Gran Coupe		91/12		
530e Sedan		99/10		11,29
530e xDrive Sedan		99/10		11,29
530i Sedan		99/14		
530i xDrive Sedan		99/14		

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
540i Sedan		99/14		12
540i xDrive Sedan		99/14		12
740i Sedan		112/14		13
760i xDrive Sedan		112/14		13
840i Convertible		81/12		
840i Coupe		81/15		
840i Gran Coupe		100/16		
840i xDrive Convertible		81/12		
840i xDrive Coupe		81/15		
840i xDrive Gran Coupe		100/16		
Alpina B8 Gran Coupe		100/16		
Alpina XB7				19
i4 eDrive35 Gran Coupe (18 inch Wheels)		90/10		9,11,23
i4 eDrive35 Gran Coupe (19 inch Wheels)		90/10		11,23
i4 eDrive40 Gran Coupe (18 inch wheels)		90/10		11,23
i4 eDrive40 Gran Coupe (19 inch Wheels)		90/10		11,23
i4 M50 Gran Coupe (19 inch wheels)		90/10		11,23
i4 M50 Gran Coupe (20 inch wheels)		90/10		11,23
i7 xDrive60 Sedan (19 inch wheels)		112/11		13,24
i7 xDrive60 Sedan (20 inch wheels)		112/11		13,24
i7 xDrive60 Sedan (21 inch wheels)		112/11		13,24
iX M60 (21 inch wheels)				19,26
iX M60 (22 inch wheels)				19,26
iX xDrive50 (20 inch wheels)				19,26
iX xDrive50 (21 inch wheels)				19,26
iX xDrive50 (22 inch wheels)				19,26
M2 Coupe		88/10		
M235i xDrive Gran Coupe		91/12		
M240i Coupe		88/10		
M240i xDrive Coupe		88/10		
M3 Competition M xDrive Sedan		95/13		
M3 Competition Sedan		95/13		
M3 Sedan		95/13		
M340i Sedan		94/13		11
M340i xDrive Sedan		94/13		11
M4 Competition Coupe		87/12		
M4 Competition M xDrive Convertible		84/9		
M4 Competition M xDrive Coupe		87/12		
M4 Coupe		87/12		
M4 CSL Coupe		87/12		
M440i Convertible		84/9		11
M440i Coupe		86/12		11
M440i Gran Coupe		91/12		11
M440i xDrive Convertible		84/9		11
M440i xDrive Coupe		86/12		11
M440i xDrive Gran Coupe		91/12		11
M5 Competition Sedan		103/14		
M5 Sedan		103/14		
M550i xDrive Sedan		99/14		

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
M8 Competition				
Convertible	81/12			
M8 Competition Coupe	81/15			
M8 Competition Gran Coupe	100/11			
M850i xDrive				
Convertible	81/12			
M850i xDrive Coupe	81/15			
M850i xDrive Gran Coupe	100/16			
X1 xDrive28i				
X2 M35i			94/21	
X2 sDrive28i			94/21	
X2 xDrive28i			94/21	
X3 M				
X3 M Competition				
X3 M40i				17
X3 sDrive30i				
X3 xDrive30i				
X4 M				
X4 M Competition				
X4 M40i				17
X4 xDrive30i				
X5 M				
X5 M Competition				
X5 M50i				
X5 sDrive40i				18
X5 xDrive40i				19
X5 xDrive45e				19,31
X6 M				
X6 M Competition				
X6 M50i				
X6 xDrive40i				19
X7 M60i xDrive				19
X7 xDrive40i				19
XM				19,31
Z4 M40i				
Z4 sDrive30i				
BUGATTI				
Chiron				
Chiron Pur Sport				
Chiron Super Sport				
BUICK				
Enclave AWD				
Enclave FWD				
Encore GX AWD				
Encore GX FWD				
Envision AWD				
Envision FWD		100/25		
CADILLAC				
CT4		90/11		
CT4 AWD		90/11		
CT4 V		90/11		
CT4 V AWD		90/11		
CT5		99/11		
CT5 AWD		99/11		
CT5 V		99/11		
CT5 V AWD		99/11		
Escalade 2WD				18,35
Escalade 4WD				19,35
Escalade V 4WD				

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
LYRIQ		105/24		16,25
LYRIQ AWD		105/24		17,25
XT4 AWD		101/23		
XT4 FWD		101/23		
XT5 AWD				
XT5 FWD				
XT5 Hearse AWD				
XT5 Hearse FWD				
XT5 Limo AWD				
XT5 Limo FWD				
XT6 AWD		137/13		
XT6 FWD		137/13		
CHEVROLET				
Blazer AWD		107/31		
Blazer FWD		107/31		
Bolt EUV		97/16		14,24
Bolt EV		94/17		9,14,24
Camaro	77/8			
Colorado 2WD				
Colorado 4WD				
Colorado Mud Terrain Tires 4WD				
Corvette				
Corvette Z06				
Corvette Z06 Carbon Aero				
Equinox AWD		104/30		
Equinox FWD		104/30		
Malibu		100/13		
Silverado 2WD				9,15,35,36
Silverado 4WD				15,35,36
Silverado 4WD ZR2				
Silverado Cab Chassis 2WD				
Silverado Cab Chassis 4WD				
Silverado Mud Terrain Tires 4WD				15,35,36
Suburban 2WD				18,35
Suburban 4WD				19,35
Tahoe 2WD				18,35
Tahoe 4WD				19,35
Trailblazer AWD				
Trailblazer FWD				
Traverse AWD				
Traverse FWD				
CHRYSLER				
300		106/16		
300 AWD		106/16		
Pacifica				
Pacifica AWD				
Pacifica Hybrid				9,16,30
Voyager				
DODGE				
Challenger	94/16			
Challenger AWD	94/16			
Challenger SRT	94/16			
Challenger SRT Widebody	94/16			
Challenger Widebody	94/16			
Charger		105/16		
Charger AWD		105/16		
Charger SRT Widebody		105/17		
Charger Widebody		105/17		
Durango AWD				

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Durango RWD				
Durango SRT AWD				
Hornet AWD				
FERRARI				
296 GTB Spider	61/5			11,29
812 Competizione			58/5	
812 Competizione A	51/5			
812 GTS				
Daytona SP3	44/0			
F8 Spider				
F8 Tributo				
Monza SP1	15/3			
Monza SP2	23/3			
Portofino M	75/5			
Roma	80/7			
SF90 Spider				11,29
SF90 Stradale				11,29
FIAT				
500X AWD				
FIKER				
Ocean Extreme One				19,26
FORD				
Bronco 4WD				
Bronco Badlands 4WD				
Bronco Black Diamond 4WD				
Bronco Raptor 4WD				
Bronco Sasquatch 4WD				
Bronco Sport 4WD				
Edge AWD				
Escape AWD				
Escape AWD HEV				17
Escape FWD				
Escape FWD HEV				16
Escape FWD PHEV				16,30
Expedition 2WD				
Expedition 4WD				
Expedition Timberline AWD				
Explorer AWD				
Explorer FFV AWD				19,36
Explorer HEV AWD				19
Explorer HEV RWD				18
Explorer Platinum HEV AWD				19
Explorer Platinum HEV RWD				18
Explorer RWD				
Explorer Timberline AWD				
F-150 Lightning 4WD				15,24
F-150 Lightning 4WD Extended Range				15,24
F-150 Lightning Platinum 4WD				15,24
F150 Pickup 2WD				
F150 Pickup 2WD FFV				15
F150 Pickup 2WD HEV				15
F150 Pickup 4WD				
F150 Pickup 4WD FFV				15,36
F150 Pickup 4WD HEV				15
F150 Pickup Tremor 4WD				
F150 Pickup Tremor 4WD FFV				15,36
F150 RAPTOR 37 4WD				
F150 RAPTOR 4WD				
F150 RAPTOR R 4WD				

**Interior Volume (cu.ft.)
Passenger / Cargo**

	2dr	4dr	Hatch	Pg
Maverick AWD				
Maverick FWD				
Maverick HEV FWD				9,15
Maverick Tremor AWD				
Mustang	83/13			
Mustang Convertible	80/11			
Mustang HO				
Convertible	85/12			
Mustang HO Coupe	85/12			
Mustang Mach 1	83/14			
Mustang Mach-E AWD				17,25
Mustang Mach-E AWD Extended				17,25
MUSTANG MACH-E CAL RT 1 ER AWD				17,25
Mustang Mach-E GT				17,25
Mustang Mach-E GT Performance				17,25
Mustang Mach-E RWD				16,25
Mustang Mach-E RWD Extended				16,25
Mustang Mach-E RWD LFP				16,25
Ranger 2WD				
Ranger 4WD				
Ranger Tremor 4WD				
Transit Connect Van FWD				
Transit Connect Wagon LWB FWD				

GENESIS

Electrified G80	99/13			12,23
G70 AWD	94/10			
G70 RWD	94/10			
G80 AWD	107/15			
G80 RWD	107/15			
G90 AWD	109/11			
G90 MHEV	109/11			13
GV60 ADVANCE	102/24			13,24
GV60 PERFORMANCE	102/24			14,24
GV70 AWD	104/29			
GV80 AWD				

GMC

Acadia AWD				
Acadia FWD				
Canyon 2WD				
Canyon 4WD				
Canyon Mud Terrain Tires 4WD				
Sierra 2WD				9,15,35,36
Sierra 4WD				15,35,36
Sierra 4WD AT4X				
Sierra Cab Chassis 2WD				
Sierra Cab Chassis 4WD				
Sierra Mud Terrain Tires 4WD				15,35,36
Terrain AWD	104/30			
Terrain FWD				
Yukon 2WD				18,35
Yukon 4WD				19,35
Yukon XL 2WD				18,35
Yukon XL 4WD				19,35

HONDA

Accord	106/17			
Accord Hybrid	106/17			14
Accord Hybrid Sport/Touring	103/17			12
Civic 4Dr	99/15			
Civic 5Dr			99/24	
CR-V AWD				

**Interior Volume (cu.ft.)
Passenger / Cargo**

	2dr	4dr	Hatch	Pg
CR-V FWD				
CR-V Hybrid AWD				17
CR-V Hybrid FWD				16
HR-V AWD		99/24		
HR-V FWD		99/24		
Odyssey				
Passport AWD				
Pilot AWD				
Pilot AWD Touring/Elite/Black				
Pilot AWD TrailSport				
Pilot FWD				
Ridgeline AWD				

HYUNDAI

Elantra	99/14			
Elantra Hybrid	99/14			12
Elantra Hybrid Blue	99/14			12
Elantra N	99/14			
Ioniq 6 Long range AWD (18 inch Wheels)	105/11			12,23
Ioniq 6 Long range AWD (20 inch Wheels)	105/11			12,23
Ioniq 6 Long range RWD (18 inch Wheels)	105/11			9,12,23
Ioniq 6 Long range RWD (20 inch Wheels)	105/11			12,23
Ioniq 6 Standard Range RWD	105/11			12,23
Kona AWD				
Kona Electric				16,25
Kona FWD				
Kona N				
Nexo		101/30		33
Nexo Blue		101/30		33
Palisade AWD		155/18		
Palisade FWD		155/18		
Santa Cruz AWD				
Santa Cruz FWD				
Santa Fe AWD				
Santa Fe FWD				
Santa Fe Hybrid				17
Santa Fe Hybrid Blue				17
Santa Fe Plug-in Hybrid				17,31
Sonata	105/16			
Sonata Hybrid	105/16			14
Sonata Hybrid Blue	105/16			9,14
Tucson AWD				
Tucson FWD				
Tucson Hybrid				17
Tucson Hybrid Blue				17
Tucson Plug-in Hybrid				17,31
Venue	92/19			

INFINITI

Q50	100/14			
Q50 AWD	100/14			
Q50 Red Sport	100/14			
Q50 Red Sport AWD	100/14			
QX50				
QX50 AWD				
QX55 AWD				
QX60 AWD				
QX60 FWD				
QX80 2WD				

**Interior Volume (cu.ft.)
Passenger / Cargo**

	2dr	4dr	Hatch	Pg
QX80 4WD				

JAGUAR

E-Pace				
F-Pace				
F-Pace P340 MHEV				17
F-Pace P400 MHEV				17
F-Pace SVR				
F-Type P450 AWD R-Dynamic Convertible				
F-Type P450 AWD R-Dynamic Coupe				
F-Type P450 RWD Convertible				
F-Type P450 RWD Coupe				
F-Type R AWD Convertible				
F-Type R AWD Coupe				
I-Pace EV400 (20 inch tires)				17,25
I-Pace EV400 (22 inch tires)				17,25
XF P250		97/14		
XF P250 AWD		97/14		
XF P300 AWD		97/14		

JEEP

Cherokee 4WD				
Cherokee Trailhawk 4WD				
Compass 4WD				
Gladiator 4WD				
Gladiator EcoDiesel 4WD				16,35
Gladiator Rubic EcoDiesel 4WD				16,35
Grand Cherokee 2WD				
Grand Cherokee 4WD				
Grand Cherokee 4xe				19,32
Grand Cherokee L 2WD				
Grand Cherokee L 4WD				
Grand Wagoneer 4WD				
Grand Wagoneer L 4WD				
Renegade 4WD				
Renegade Trailhawk 4WD				
Wagoneer 2WD				19
Wagoneer 4WD				19
Wagoneer L 2WD				
Wagoneer L 4WD				
Wrangler 2dr 4WD				17
Wrangler 4dr 4WD				17
Wrangler 4dr 4xe				17,31
Wrangler 4dr EcoDiesel 4WD				17,35
Wrangler Rubic 4dr EcoDiesel 4WD				17,35

KIA

Carnival				
EV6 AWD GT	104/24			14,24
EV6 Long Range AWD (19 inch tires)	103/24			14,24
EV6 Long Range AWD (20 inch tires)	103/24			14,24
EV6 Long Range RWD	103/24			14,24
EV6 Standard Range RWD	103/24			14,24
Forte	96/15			
Forte FE	96/15			
K5	105/16			
K5 AWD	105/16			
Niro	105/23			14
Niro Electric	100/23			14,24
Niro FE	105/23			9,14
Niro Plug-in Hybrid	105/19			14,30

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Rio	90/14	91/17		
Seltos AWD				
Seltos FWD				
Sorento AWD				
Sorento FWD				
Sorento Hybrid AWD				17
Sorento Hybrid FWD				16
Sorento Plug-in Hybrid				17,31
Soul	101/24			
Soul Eco dynamics	101/24			
Sportage AWD				
Sportage FWD				
Sportage Hybrid AWD				17
Sportage Hybrid FWD				9,16
Sportage Plug-in Hybrid				17,31
Stinger AWD	95/23			
Stinger RWD	95/23			
Telluride AWD	157/21			
Telluride FWD	157/21			

LAMBORGHINI

Huracan Coupe				
Huracan Coupe 2WD				
Huracan Spyder				
Huracan Spyder 2WD				
Urus Performante	104/16			
Urus S	104/16			

LAND ROVER

Defender 110				
Defender 110 MHEV				19
Defender 130 P300 MHEV				20
Defender 130 P400 MHEV				20
Defender 90				
Defender 90 MHEV				20
Discovery				
Discovery MHEV				20
Discovery Sport				
New Range Rover				
New Range Rover LWB				
New Range Rover P360 LWB MHEV				20
New Range Rover P360 MHEV				20
New Range Rover P400 LWB MHEV				20
New Range Rover P400 MHEV				20
New Range Rover P440 PHEV				20,32
New Range Rover Sport				
New Range Rover Sport P360 MHEV				20
New Range Rover Sport P400 MHEV				20
New Range Rover Sport P440 PHEV				20,32
Range Rover Evoque				
Range Rover Evoque MHEV				17
Range Rover Velar				
Range Rover Velar P340 MHEV				18
Range Rover Velar P400 MHEV				18

LEXUS

ES 250 AWD	97/14			
ES 300h	97/14			12
ES 350	98/14			
ES 350 F Sport	98/14			
GX 460				
IS 300	90/11			
IS 300 AWD	90/11			

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
IS 350	90/11			
IS 350 AWD	90/11			
IS 500	90/11			
LC 500	86/5			
LC 500 Convertible	75/3			
LC 500h	86/5			11
LS 500	99/13			
LS 500 AWD	99/13			
LS 500h	99/12			12
LS 500h AWD	99/12			13
LX 600				
NX 250				
NX 250 AWD				
NX 350 AWD				
NX 350h AWD				18
NX 450h Plus AWD				18,31
RC 300	84/10			
RC 300 AWD	84/10			
RC 350	84/10			
RC 350 AWD	84/10			
RC F	79/10			
RX 350				
RX 350 AWD				
RX 350h AWD				18
RX 500h AWD				18
RZ 450e AWD (18 inch Wheels)				18,25
RZ 450e AWD (20 inch Wheels)				18,25
UX 250h		90/17		11
UX 250h AWD		90/17		11

LINCOLN

Aviator AWD				
Aviator PHEV AWD				20,32
Aviator RWD				
Corsair AWD				
Corsair AWD PHEV				18,31
Corsair FWD				
Nautilus AWD				
Nautilus FWD				
Navigator 2WD				
Navigator 4WD				

LORDSTOWN

Endurance				16,24
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LUCID

Air G Touring XR AWD with 19 inch wheels	99/32			14,24
Air G Touring XR AWD with 20 inch wheels	99/32			14,24
Air G Touring XR AWD with 21 inch wheels	99/32			14,24
Air GT P AWD with 21 inch wheels	99/32			14,24
Air Pure AWD with 19 inch wheels	101/32			9,14,24
Air Pure AWD with 20 inch wheels	101/32			14,24
Air Touring AWD with 19 inch wheels	101/32			9,24
Air Touring AWD with 20 inch wheels	101/32			14,24
Air Touring AWD with 21 inch wheels	101/32			14,24

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg

MASERATI

Ghibli GT	108/10			
Ghibli Modena AWD	108/10			
Ghibli Modena RWD	108/10			
Ghibli Trofeo	108/10			
Grecale GT				18
Grecale Modena				18
Grecale Trofeo				
Levante GT				
Levante Modena				
Levante Modena V8				
Levante Trofeo				
MC20				
MC20 Spyder				
Quattroporte GT	114/19			
Quattroporte Modena AWD	114/19			
Quattroporte Modena RWD	114/19			
Quattroporte Trofeo	114/19			

MAZDA

3 4-Door 2WD	93/13			
3 4-Door 4WD	93/13			
3 5-Door 2WD			93/20	
3 5-Door 4WD			93/20	
CX-30 4WD				
CX-5 4WD				
CX-50 4WD				
CX-9 4WD				
MX-30		90/21		13,23
MX-5				

MCLAREN AUTOMOTIVE

Artura				11,29
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MERCEDES-BENZ

AMG C43 4matic	93/12			11
AMG C43 4matic Convertible	81/9			
AMG C43 4matic Coupe	79/10			
AMG C63 S Convertible	81/9			
AMG C63 S Coupe	79/11			
AMG CLA35 4matic	89/12			
AMG CLA45 4matic	89/12			
AMG E53 4matic Plus	97/13			13
AMG E53 4matic Plus Convertible	87/9			11
AMG E53 4matic Plus Coupe	89/10			11
AMG E63 S 4matic Plus	98/13			
AMG E63 S 4matic Plus (SW)	98/35			
AMG G 63 4x4 Squared				
AMG G63				
AMG GLA35 4matic	99/9			
AMG GLA45 4matic	102/12			
AMG GLB35 4matic	125/12			
AMG GLC43 4matic Coupe				
AMG GLE53 4matic Plus				20
AMG GLE53 4matic Plus Coupe				20
AMG GLE63 S 4matic Plus				20
AMG GLE63 S 4matic Plus Coupe	104/17			20

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
AMG GLS63 4matic Plus				20
AMG GT 43 4matic Plus		96/13		12
AMG GT 53 4matic Plus		96/13		12
AMG GT 63 4matic Plus		96/13		
AMG GT 63 S 4matic Plus		96/13		
AMG SL55 4matic Plus	76/6			
AMG SL63 4matic Plus	76/6			
C300		93/12		12
C300 4matic		93/12		12
C300 4matic Convertible	81/9			
C300 4matic Coupe	79/10			
C300 Convertible	81/9			
C300 Coupe	79/10			
CLA250		89/12		
CLA250 4matic		89/12		
CLS450 4matic		93/12		12
E350		98/13		
E350 4matic		98/13		
E450 4matic		98/13		13
E450 4matic All-Terrain (wagon)		98/35		15
E450 4matic Convertible	87/9			11
E450 4matic Coupe	89/10			11
E450 Convertible	87/9			11
E450 Coupe	89/10			11
EQS 450 4Matic	103/35			14,24
EQS 450 4Matic (SUV)				20,26
EQS 450 Plus (SUV)				19,26
EQS 580 4Matic (SUV)				20,26
G550				
GLA250				
GLA250 4matic				
GLB250				
GLB250 4matic				
GLC300 4matic Coupe				
GLE350				
GLE350 4matic				
GLE450 4matic				20
GLE580 4matic				20
GLS450 4matic				20
GLS580 4matic				20
GLS600 4matic Maybach				20
Maybach S680 4Matic	118/13			
Metris (Cargo Van)				
Metris (Cargo Van, LWB)				
Metris (Passenger Van)				
Metris (US Postal Long)				
Metris (US Postal)				
S500 4matic	112/13			14
S580 4matic	107/14			14
S580 4matic Maybach	118/13			14
S580e 4matic	112/8			14,30

MINI

Cooper Convertible	76/5			
Cooper Countryman		97/18		
Cooper Countryman All4		97/18		
Cooper Hardtop 2 door		80/9		
Cooper Hardtop 4 door		84/9		
Cooper S Clubman		92/18		
Cooper S Clubman All4		92/18		

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Cooper S Convertible	76/5			
Cooper S Countryman			97/18	
Cooper S Countryman All4			97/18	
Cooper S Hardtop 2 door			80/9	
Cooper S Hardtop 4 door			84/9	
Cooper SE Countryman All4			95/17	13,29
Cooper SE Hardtop 2 door			80/9	11,23
JCW Countryman All4			97/18	
John Cooper Works Clubman All4			92/18	
John Cooper Works Convertible	76/5			
John Cooper Works Hardtop 2 door			80/9	

MITSUBISHI

Eclipse Cross 2WD				
Eclipse Cross 4WD				
Eclipse Cross ES 2WD				
Eclipse Cross ES 4WD				
Mirage		86/17	86/17	
Mirage G4		89/12		
Outlander 2WD				
Outlander 4WD				
Outlander PHEV				20,32
Outlander Sport 2WD				
Outlander Sport 4WD				

NISSAN

Altima		101/15		
Altima AWD		101/15		
Altima SL/SR		101/15		
Altima SR		101/15		
ARIYA ENG Plus/EVO Plus e-4ORCE 87kWh		101/23		14,24
ARIYA ENGAGE e-4ORCE 63kWh		101/23		14,24
ARIYA ENGAGE FWD 63kWh		101/23		14,24
ARIYA EVO Plus/EMP Plus/ PRM FWD 87kWh		101/23		14,24
ARIYA PLAT Plus e-4ORCE 87kWh 19		97/23		14,24
ARIYA PLAT Plus e-4ORCE 87kWh 20		97/23		14,24
ARIYA VENTURE Plus FWD 87kWh		101/27		14,24
Armada 2WD				
Armada 4WD				
Frontier 2WD				
Frontier 4WD				
Frontier 4WD PRO4X				
GT-R	79/9			
Kicks			93/25	
LEAF			92/24	13,23
LEAF SV			92/24	13,23
Maxima		98/14		
Murano AWD		108/28		
Murano FWD		108/28		
Pathfinder 2WD				
Pathfinder 4WD				
Pathfinder 4WD Rock Creek				
Pathfinder 4WD SL/Platinum				
Rogue AWD				
Rogue AWD SL/Platinum				
Rogue FWD				

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Rogue FWD SL/Platinum				
Sentra		96/14		
Sentra SR		96/14		
Titan 2WD				
Titan 4WD				
Titan 4WD PRO4X				
Versa		89/15		
Z				

POLESTAR

2 BST edition		89/26		13,23
2 Dual Motor		89/26		13,23
2 Dual Motor Perf Pack		89/26		13,23
2 Single Motor		89/26		13,23

PORSCHE

718 Boxster				
718 Boxster GTS				
718 Boxster S				
718 Boxster T				
718 Cayman				
718 Cayman GT4				
718 Cayman GTS				
718 Cayman S				
718 Cayman T				
718 GT4 RS				
718 Spyder				
911 Carrera	70/5			
911 Carrera 4	70/5			
911 Carrera 4 Cabriolet	68/5			
911 Carrera 4 GTS	70/5			
911 Carrera 4 GTS Cabriolet	68/5			
911 Carrera 4S	70/5			
911 Carrera 4S Cabriolet	68/5			
911 Carrera Cabriolet	68/5			
911 Carrera GTS	70/5			
911 Carrera GTS Cabriolet	68/5			
911 Carrera S	70/5			
911 Carrera S Cabriolet	68/5			
911 Carrera T	70/5			
911 GT3				
911 GT3 RS				
911 GT3 Touring				
911 Sport Classic	70/5			
911 Targa 4	70/5			
911 Targa 4 GTS	70/5			
911 Targa 4S	70/5			
911 Turbo	70/5			
911 Turbo Cabriolet	70/5			
911 Turbo S	70/5			
911 Turbo S Cabriolet	70/5			
Cayenne				
Cayenne GTS				
Cayenne GTS Coupe				
Cayenne S				
Cayenne S Coupe				
Cayenne Turbo				
Cayenne Turbo Coupe				
Cayenne Turbo GT				
Cayenne Turbo S e-Hybrid				20,32

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Cayenne Turbo S e-Hybrid Coupe				20,32
Macan				
Macan GTS				
Macan S				
Macan T				
Panamera			98/27	
Panamera 4			98/27	
Panamera 4 e-Hybrid			98/27	14,30
Panamera 4 Executive			101/27	
Panamera 4 ST		99/25		
Panamera 4S			98/27	
Panamera 4S E-Hybrid			98/27	14,30
Panamera 4S Executive			101/27	
Panamera 4S ST		99/25		
Panamera GTS			98/27	
Panamera GTS ST		99/25		
Panamera Turbo S			98/27	
Panamera Turbo S e-Hybrid			98/27	14,30
Taycan 4 Cross Turismo			90/24	13,23
Taycan 4S Cross Turismo			91/24	13,23
Taycan 4S Perf Battery Plus	89/12			12,23
Taycan 4S Performance Battery	89/12			12,23
Taycan GTS	89/11			9,12,23
Taycan GTS Sport Turismo			90/12	12,23
Taycan Perf Battery Plus	90/12			12,23
Taycan Performance Battery	90/12			9,12,23
Taycan Turbo	89/11			12,23
Taycan Turbo Cross Turismo			92/24	13,23
Taycan Turbo S	89/11			12,23
Taycan Turbo S Cross Turismo			93/24	13,23
RAM				
1500 2WD				15
1500 4WD				16,35
1500 Classic 2WD				
1500 Classic 4WD				
1500 HFE 2WD				15
1500 TRX 4WD				
RIVIAN				
R1S (20 inch wheels)				20,26
R1S (21 inch wheels)				20,26
R1S (22 inch wheels)				20,26
R1S 20 inch All-Terrain				20,26
R1S 20 inch All-Terrain Dual Large				20,26
R1S 20 inch All-Terrain Performance Dual Large				20,26
R1S 21 inch Dual Large				20,26
R1S 21 inch Performance Dual Large				20,26
R1S 22 inch Dual Large				20,26
R1S 22 inch Performance Dual Large				20,26
R1T (20 inch wheels)				16,25
R1T (21 inch wheels)				16,25
R1T (22 inch wheels)				16,25
R1T 21 inch Dual Large				9,16,25
R1T 21 inch Performance Dual Large				9,16,25
R1T 22 inch Dual Large				16,25
R1T 22 inch Performance Dual Large				16,25
ROLLS-ROYCE				
Cullinan		113/21		
Cullinan Black Badge		113/21		
Ghost		111/13		

	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Ghost Black Badge		111/13		
Ghost Extended		120/13		
Phantom		116/15		
Phantom Extended		127/15		
SUBARU				
Ascent				
Ascent Limited/Touring/Onyx AWD				
BRZ		77/6		
Crosstrek AWD				
Crosstrek Hybrid AWD				18,31
Forester AWD				
Forester Wilderness AWD				
Impreza 4-Door		100/12		
Impreza 5-Door		101/21		
Impreza Sport 4-Door		100/12		
Impreza Sport 5-Door		101/21		
Legacy AWD		106/15		
Outback AWD				
Outback Wilderness AWD				
Solterra AWD				18,25
Solterra Limited/Touring AWD				18,25
WRX		99/12		
TESLA				
Model 3 Long Range AWD		97/15		13,23
Model 3 Performance AWD		97/15		13,23
Model 3 RWD		97/15		13,23
Model S			94/26	14,24
Model X				9,20,26
Model X Plaid (20 inch wheels)				20,26
Model X Plaid (22 inch wheels)				20,26
Model Y AWD				9,18,26
Model Y Long Range AWD				18,26
Model Y Performance AWD				18,26
TOYOTA				
4Runner 2WD				
4Runner 4WD				
bZ4X				16,25
bZ4X AWD				18,26
bZ4X LIMITED				16,25
bZ4X LIMITED AWD				18,26
Camry		100/14		
Camry AWD LE/SE		100/15		
Camry AWD XLE/XSE		100/15		
Camry Hybrid LE		100/15		13
Camry Hybrid SE/XLE/XSE		100/15		13
Camry LE/SE		100/14		
Camry TRD		100/14		
Camry XLE/XSE		100/14		
Camry XSE		100/14		
Corolla		89/13		
Corolla Cross				
Corolla Cross 4WD				
Corolla Hatchback			85/18	
Corolla Hatchback XSE			85/18	
Corolla Hybrid		89/13		9,12
Corolla Hybrid AWD		89/13		12
Crown AWD		98/13		13
GR 86		77/6		
GR Corolla			67/27	
GR Supra				

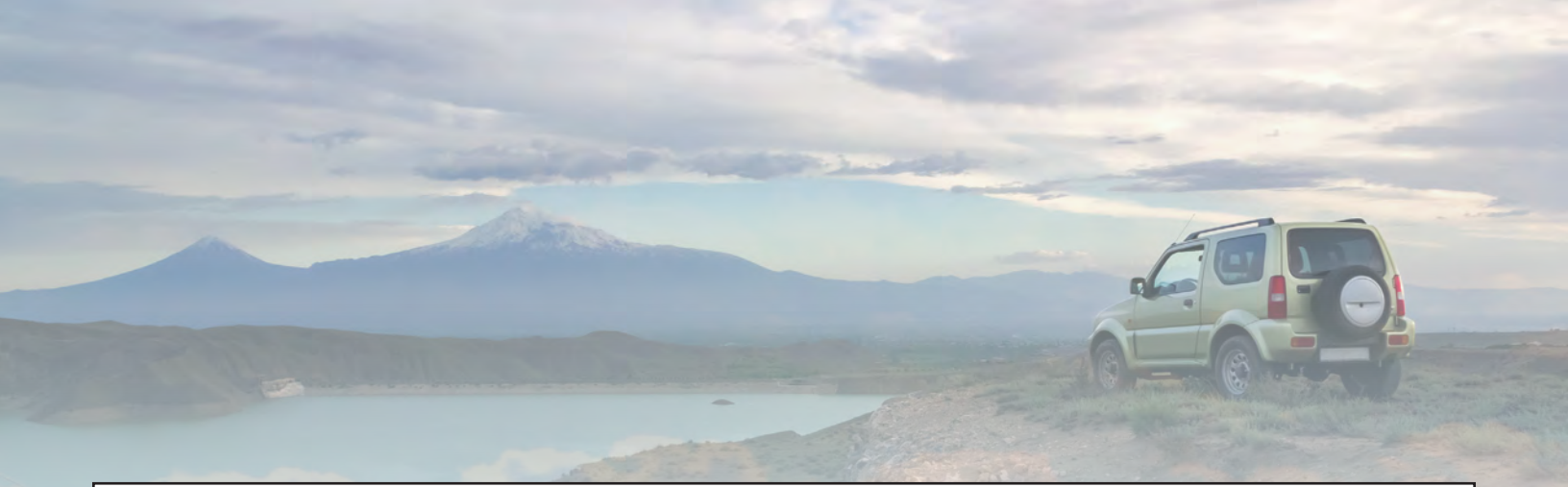
	Interior Volume (cu.ft.) Passenger / Cargo			
	2dr	4dr	Hatch	Pg
Highlander				
Highlander AWD				
Highlander Hybrid				16
Highlander Hybrid AWD				9,20
Highlander Hybrid AWD LTD/PLAT				9,20
Mirai LE		93/10		33
Mirai Limited		93/10		33
Mirai XLE		93/10		33
Prius			91/24	9,13
Prius AWD			91/24	13
Prius AWD XLE/LTD			91/24	13
Prius Prime			91/20	13,29
Prius Prime SE			91/20	13,30
Prius XLE/LTD			91/24	13
RAV4				
RAV4 AWD				
RAV4 AWD LE				
RAV4 AWD TRD OFFROAD				
RAV4 Hybrid AWD				18
RAV4 Hybrid AWD Woodland Edition				18
RAV4 Prime 4WD				18,31
Sequoia 2WD				19
Sequoia 4WD				20
Sienna 2WD				9,16
Sienna AWD				16
Tacoma 2WD				
Tacoma 4WD				
Tacoma 4WD D-CAB MT TRD-ORP/PRO				
Tundra 2WD				15
Tundra 4WD				16
Tundra 4WD PRO				16
Venza AWD				18
VINFAST				
VF 8 Eco				16,25
VF 8 Plus				16,25
VOLKSWAGEN				
Arteon		96/27		
Arteon 4motion		96/27		
Atlas				
Atlas 4motion				
Atlas Cross Sport				
Atlas Cross Sport 4motion				
GLI		94/16		
Golf-R			93/16	
GTI			93/16	
ID.4		100/30		17,25
ID.4 AWD Pro		100/30		18,26
ID.4 AWD Pro S		100/30		18,26
ID.4 Pro		100/30		17,25
ID.4 Pro S		100/30		17,25
ID.4 S		100/30		17,25
Jetta		94/16		
Jetta Sport/SE/SEL		94/16		
Taos		100/28		
Taos 4motion		100/28		
Tiguan				
Tiguan 4motion				
Tiguan R-Line 4motion				
Tiguan S				

**Interior Volume (cu.ft.)
Passenger / Cargo**

2dr 4dr Hatch Pg

VOLVO

C40 Recharge twin			18,26
S60 B5	93/12		12
S60 B5 AWD	93/12		12
S60 T8 AWD Recharge	93/12		12,29
S90 B6 AWD	102/14		13
S90 T8 AWD Recharge ext. Range	102/14		13,30
V60 T8 AWD Recharge ext. Range	94/29		15,30
V60CC B5 AWD	94/29		15
V90CC B6 AWD	98/34		9,15
XC40 B4			17
XC40 B5 AWD			18
XC40 Recharge twin			18,26
XC60 B5			17
XC60 B5 AWD			18
XC60 B6 AWD			18
XC60 T8 AWD Recharge			18,31
XC90 B5 AWD			20
XC90 B6 AWD			21
XC90 T8 AWD Recharge			21,32



Fuel economy for city, highway, and combined city/highway driving (55% city and 45% highway) in miles per gallon

Combined city/highway fuel economy range for vehicles in same EPA vehicle class and fuel economy for most efficient vehicle overall for model year

Technology and fuel type, such as gasoline, diesel, flexible fuel (gasoline-ethanol [E85]), plug-in hybrid (electricity-gasoline), and electric vehicle

Fuel consumption in gallons per 100 miles in combined city/highway driving

Annual fuel cost based on 15,000 miles per year and an average fuel price

Annual mileage, fuel cost, and other assumptions used to calculate estimates on the sticker

EPA DOT Fuel Economy and Environment Gasoline Vehicle

Fuel Economy
35 MPG (combined city/hwy)
 32 city 40 highway
 2.9 gallons per 100 miles

You save \$1,750 in fuel costs over 5 years compared to the average new vehicle.

Annual fuel cost \$1,250

Fuel Economy & Greenhouse Gas Rating (tailpipe only) **7** (on a scale of 1-10, Best)

Smog Rating (tailpipe only) **5** (on a scale of 1-10, Best)

fueleconomy.gov
 Calculate personalized estimates and compare vehicles

Smartphone QR Code SAMPLE

Fuel cost savings or extra expenditure compared to an "average" new vehicle of the same model year (28 mpg for model year 2023)

Compares tailpipe emissions of smog-producing pollutants to those of other vehicles of the same model year on a scale of 1 (worst) to 10 (best)

Compares fuel economy and tailpipe greenhouse gas emissions to those of other vehicles of the same model year on a scale of 1 (worst) to 10 (best). Upstream emissions estimates are available at fueleconomy.gov.

QR Code. Scan the code with your smart phone to link to official information on fueleconomy.gov (requires scanner app).

