



EMERALD KEEPERS

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For an Emerald Green, Ocean Blue Coronado



ELECTRIC VEHICLE FACTS VS MYTHS

The U.S. has over 2.5 million electric vehicles (EVs) on the road and the numbers continue to increase. Last year, EV registrations were 7.5% of the U.S. light-vehicle market last year and 25% of new-car sales in California. By 2035, all cars and trucks sold in California must be zero emissions. EVs are the future.

MYTH: EVS ARE EXPENSIVE

FACT: EVs are available in a wide range of price points with the Nissan Leaf starting at less than \$30,000. Other lower-priced EV models include the MINI Cooper SE, Hyundai Kona, Chevy Equinox, and Fisker Ocean. Many EVs are eligible for a \$7,500 federal tax credit in addition to other state and local incentives.

EVs also generally have lower maintenance and operating costs over the lifetime of the car.

MYTH: EVS ARE WORSE FOR THE ENVIRONMENT

FACT: Mining cobalt and lithium for the rechargeable batteries has a great negative environmental impact. But EV batteries are expected to last 15 to 20 years, and 95% of lithium-ion batteries are recyclable. Currently the U.S. has seven lithium-ion battery recycling plants and plans are underway to build eight more to meet increasing demand.

Gas and diesel cars emit carbon dioxide, the most common human-caused greenhouse gas, which gets trapped in the atmosphere leading to global warming, and increasingly, catastrophic climate

change. Burning gasoline and diesel fuel also creates harmful byproducts like nitrogen dioxide, carbon monoxide, hydrocarbons, benzene, and formaldehyde. EVs produce zero exhaust or emissions when used.

MYTH: THERE ISN'T ENOUGH POWER SUPPLY

FACT: EVs rely on electricity from the power grid to charge. Power suppliers have acknowledged the need to increase grid capacity to meet all needs. However, most EVs charge overnight when there is less demand on the grid.

MYTH: YOU CAN'T GO ON A ROAD TRIP WITH AN EV

FACT: New EVs can go from 200 to 330 miles on a single charge. Plus, there are more than 64,000 electric vehicle charging stations across the U.S. And more are on the way. Congress has invested \$7.5 billion to increase the number of charging stations across the country, which will help alleviate "range anxiety."

Apple Maps and Google Maps include locations of public chargers and specialized apps are also available, such as PlugShare. It might take a

bit more planning, but information on your next charge is readily available.

MYTH: LOCAL CHARGING STATIONS AREN'T AVAILABLE

FACT: In San Diego County, there are more than 3,500 fast chargers (level 2 and level 3) available to the public. Coronado has 15 public charging stations with additional EV chargers at the Marriott, Hotel Del Coronado, North Island, and Naval Amphibious Base.

MYTH: EV BATTERIES CATCH FIRE

FACT: It's a fact that both gas and electric-powered vehicles sometime catch fire. Multiple studies have shown that EVs are actually less likely to catch on fire. Research from Norway, a country with a high number of EVs, states that traditional gas and diesel cars are four to five times more likely to catch fire than EVs. In the U.S., a National Highway Traffic Safety Administration study concluded that the frequency and severity of fires from lithium-ion car batteries is comparable to or lower than gasoline or diesel-powered models.

EVs will continue to improve as will the infrastructure surrounding EV use. But current models already offer a cost-effective and environmentally friendly transportation solution.



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