

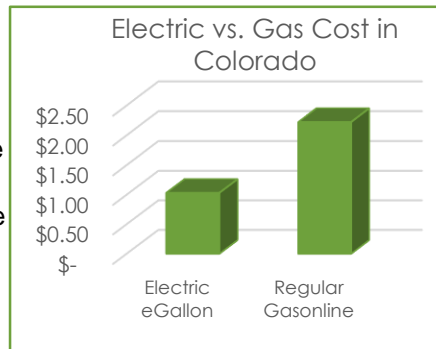
# Thinking of an Electric Vehicle?

Close to 30% of greenhouse gasses released into the atmosphere in the United States are from transportation. The majority of these greenhouse gasses are CO2 emissions that are the result of gas combustion. The negative effects of CO2 are taking their toll on our environment. You can help change this! Electric vehicles on average reduce CO2 emission by 50%. Every time you drive you can have a direct impact on the reduction of greenhouse gasses doing your part to keep the earth clean. Understanding the different types of electric vehicles, their benefits, incentives, and resources available to you can be difficult...hopefully this guide will help!



## What is an Electric Vehicle (EV)?

An EV uses electricity that is stored in a battery to power an electric motor. Technology has come a long way since the first hybrid-electric cars of the early 2000s. Today many fully electric vehicles are available with driving ranges from 100-300 miles on a single charge. Improvements in technology and infrastructure are making EVs a practical reality for everyone. Plug-in Hybrid Electric Vehicles (PHEV) are still a good option for people who require longer driving ranges.



## What Tax Incentives are Available to Me?

In the past understanding the tax credit system for EVs has been a very complex process. This is no longer the case. On May 1<sup>st</sup> Colorado legislation approved HB 1332. This bill sets a flat \$5,000 credit for the purchase of a light duty electric vehicle (EV). Most importantly, it makes the credits assignable to a car dealer or finance company, which will effectively turn them into a point of sale incentive. Incentives for charging stations are also available throughout the state from the Colorado Energy Office (CEO) and the Regional Air Quality Council (RAQC), for the metro area. Go to [CLEANAIRFLEET.ORG](http://CLEANAIRFLEET.ORG) for specific amounts and options. Federal tax incentives vary by vehicle type. They can be found at [IRS.GOV](http://IRS.GOV).

## What are some popular models to consider?

**2016 Nissan Leaf:** 126/101 Mpg city/hwy \$29,010

**2016 BMW i3:** 137/111 Mpg city/hwy \$42,400

**2016 Tesla Model S:** 230/253 Mpg city/hwy \$70,000



## Helpful Resources:

US Department of Energy cost calculator: [WWW.AFDC.ENERGY.GOV/CALC/](http://WWW.AFDC.ENERGY.GOV/CALC/)

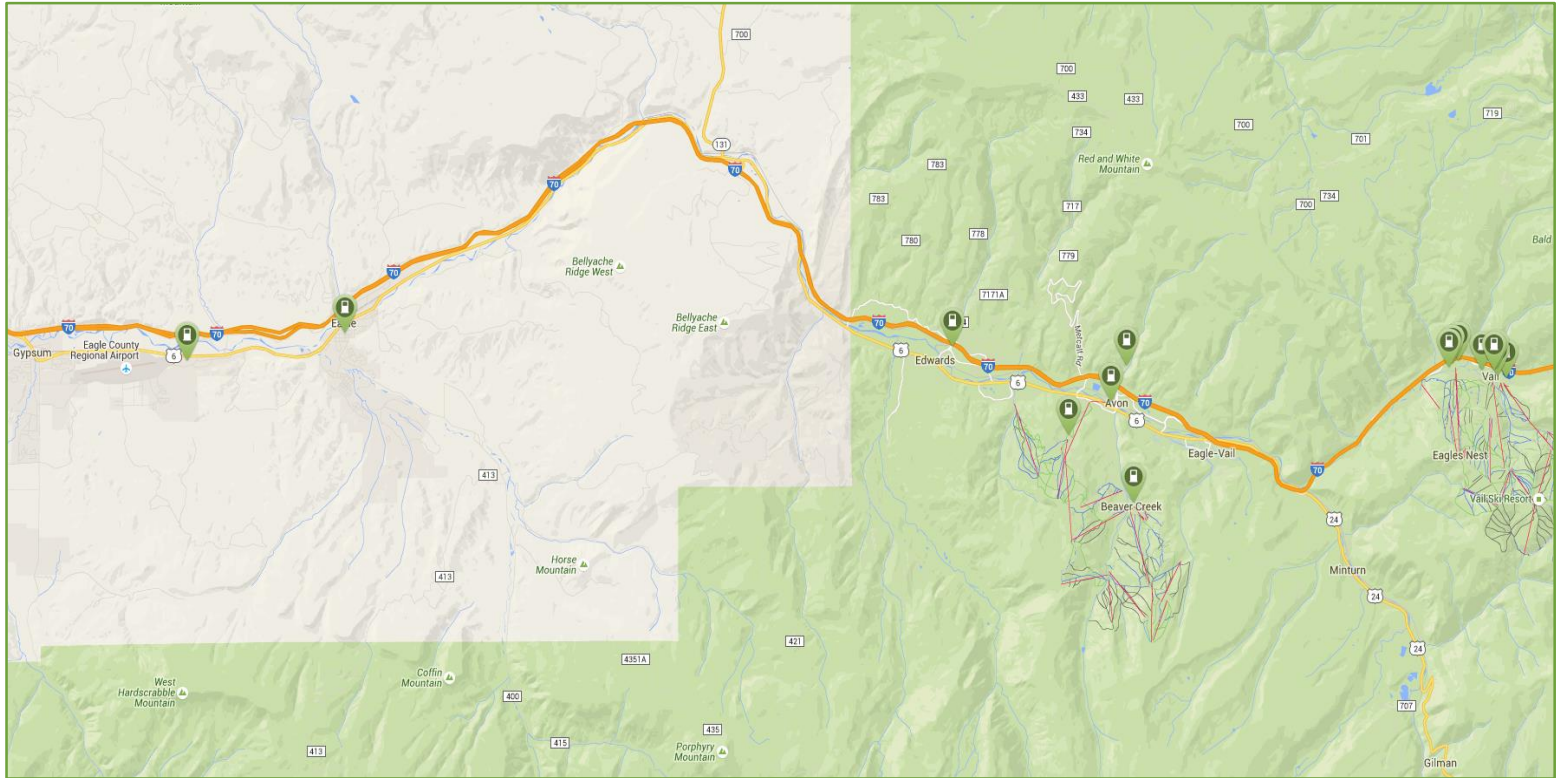
Fuel economy information: [FUELECONOMY.GOV](http://FUELECONOMY.GOV)

Flip to other side for charging locations in the Eagle Valley

## Benefits of an Electric Vehicle

- 1. Electric cars are less expensive to operate!** In Colorado the cost of driving an electric car is, on average, 50% less than a traditional fuel vehicle.
- 2. Electric cars are fast!** Unlike traditional gas cars that gain a lot of torque at higher RPMs, electric vehicles produce torque at very low RPMs, making them accelerate quickly.
- 3. Electric cars are quiet!** No engine means no engine noise. Batteries are quiet and provide a much more peaceful driving experience.
- 4. Less maintenance!** Fully electric vehicles naturally have less moving parts. Say goodbye to oil changes and engine care.
- 5. Electricity is abundant!** Gas and oil supplies will continue to decrease and prices will increase. Conversely, electricity can be generated from many sustainable sources like wind and solar, and will be around for generations to come.

# Charging Locations in the Eagle Valley



## Vail

- Antlers at Vail
- Lionshead parking structure
- Sonnenalp Hotel
- Vail's Mountain Haus
- The Manor Lodge
- Vail Transportation center

## Edwards

- Edwards Station

## Avon

- Walking Mountains Science Center
- Park Hyatt Resort
- Ritz Carlton Bachelor Gulch
- The Westin Riverfront Resort

## Eagle

- Eagle County Building

## Gypsum

- Costco



