

## Electric Vehicles: The Efficient Answer

In 2014, Eagle County had an estimated 378,615 metric tons of CO<sub>2</sub> emitted into the atmosphere from the transportation sector. Of that, 79% was from passenger cars and SUVs traveling throughout the county. This CO<sub>2</sub>, a greenhouse gas, is contributing to the global phenomenon of climate change and our local pattern of shorter, warmer winters. It's tough to get around without a car, but why not have a car with zero tailpipe emissions? Every time you drive you can have a direct impact on the reduction of greenhouse gases and do your part for our earth and our snow pack. This guide will help you understand the different types of electric vehicles as well as the benefits, incentives, and resources available for you.



### An Overview

Electric Vehicles (EVs) utilize an electric motor powered by energy stored in a large battery. These vehicles employ the newest technology, allowing them to have ranges from 100 miles to over 200 depending on which EV you choose. This is ample range for many drivers, as 93% of people have a round-trip commute of less than 70 miles. The average person has only 30 miles of commuting, leaving plenty of miles to get in after-work errands. Colorado is reducing charging anxiety by implementing an Electric Vehicle Plan with the intention to create a fast-charge corridor along I-70. If you still have a need to travel beyond the limits of current EVs, there are many plug-in hybrid electric vehicle (PHEV) options that have gasoline engines to extend the range.



### The M.S.R.P. you won't have to pay

While the price of EVs are slowly coming down, there are both state and federal incentives for early adopters of the technology. The State of Colorado has secured a \$5,000 incentive for the purchase of a full EV or PHEV through 2019, \$4,000 through 2020 and \$2,500 through 2021. These credits can be assigned to the car dealer or finance company, turning them into a point-of-sale incentive. On the federal level, there is up to \$7,500 of tax credits available depending on the qualifying vehicle's battery size. Information can be found on the IRS website. There are also incentives for the installation of charging stations throughout the state from Colorado Energy Office (EOC) or Regional Air Quality Council (RAQC) in the Denver Metro Area. Information for those can be found at [cleanairfleets.org](http://cleanairfleets.org) under Charge Ahead Colorado.



### Benefits Of an Electric Vehicle

#### 1) They're Less Expensive to Drive

Here in Colorado, the cost of driving an EV is 50% less than a traditional fuel vehicle, on average.

#### 2) These Cars Are Fast

EVs can utilize the full power of the motor instantly, rather than revving like a gas-powered vehicle. This means that acceleration is quick!

#### 3) Less Emissions and Less Noise

With no engine revving for power, these vehicles are nearly silent in operation.

#### 4) Low Maintenance

Full-Electric Vehicles have far less moving parts. With no oil, spark plugs, radiators or mufflers, you'll spend a lot less on Maintenance.

#### 5) A More Sustainable Future

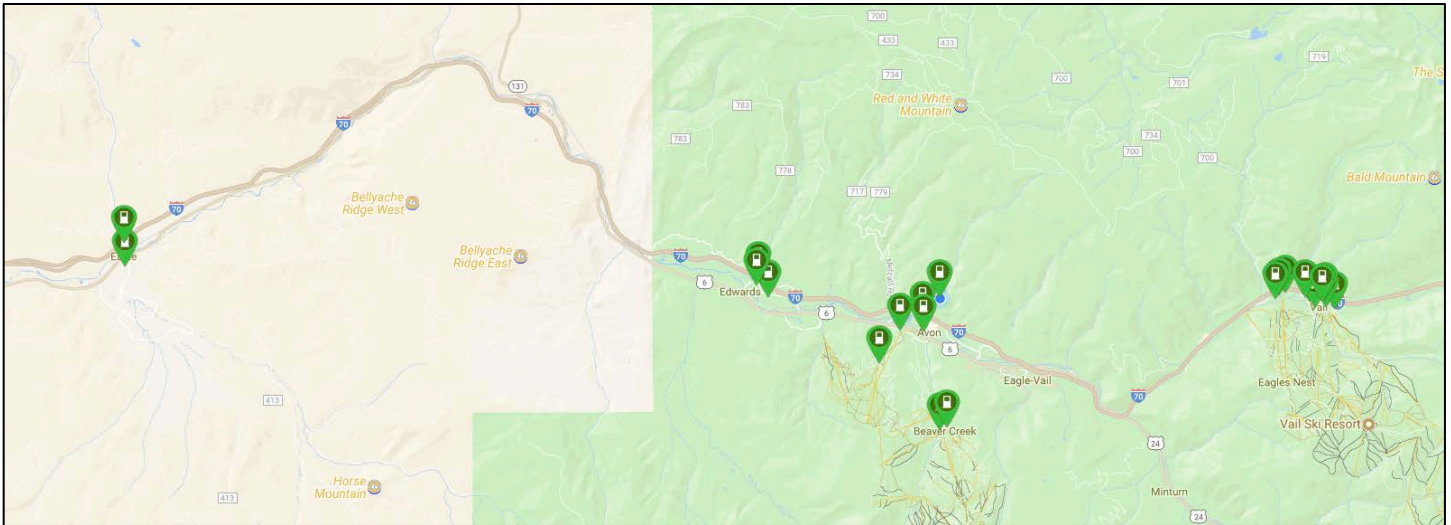
As more electricity is sourced from renewable sources like wind, water and the sun, these vehicles will continue to lower their impact.

## Popular Models to Consider

Model	Nissan Leaf	Chevy Bolt	BMW i3	Tesla Model S	Tesla Model X
Range	150 miles	238 miles	114 miles	210 miles	210 miles
M.S.R.P.	\$29,990	\$37,495	\$45,450	\$68,000	\$76,500



## Charging Stations in Eagle County



### - VAIL -

- Antlers at Vail**  
680 Lionshead Place
- Arrabelle at Vail Square<sup>12</sup>**  
675 Lionshead Place
- Four Seasons Vail<sup>12</sup>**  
1 Vail Road
- Lionshead Parking Structure\***  
395 S. Frontage Road, Level 1 [free]
- Lodge Tower<sup>12</sup>**  
200 Vail Road
- Sonnenalp Hotel<sup>1</sup>**  
20 Vail Road
- Vail Mountain House<sup>12</sup>**  
292 E. Meadow Drive
- The Manor Vail Lodge<sup>12</sup>**  
595 Vail Valley Drive
- Vail Transportation Center\***  
241 E. Meadow Drive, Levels 1-3 [free]

### - EAGLE -

- Chambers Park & Ride**  
100 Fairgrounds Road
- Eagle County Building**  
500 Broadway Street [free]

### - AVON -

- Walking Mountains Science Center**  
318 Walking Mountains Lane [free]
- Beaver Creek Landing<sup>12</sup>**  
300 Prater Road
- Beaver Creek Lodge<sup>12</sup>**  
26 Avondale Lane
- Park Hyatt Resort<sup>12</sup>**  
50 W. Thomas Place
- Ritz Carlton Bachelor Gulch<sup>12</sup>**  
130 Daybreak Ridge
- Sheraton Mountain Vista<sup>12</sup>**  
160 W. Beaver Creek Boulevard
- The Westin Riverfront Resort<sup>12</sup>**  
218 Riverfront Lane

### - EDWARDS -

- Colorado Mountain College**  
150 Miller Ranch Road [free]
- Freedom Park**  
300 Miller Ranch Road [free]
- Edwards Station**  
436 Edwards Access Road [\$2/hr]

<sup>1</sup>Guests Only  
<sup>2</sup>Tesla Supercharger  
\*Register at chargepoint.com