

Vote YES on SB20-167: Electric Motor Vehicle Manufacturer and Dealer
Senate Sponsor(s): Hansen (D), Priola (R) | House Sponsor(s): Speaker Becker (D)

Why electric vehicles?¹

- Fuel efficiency
 - The average gasoline powered car has a fuel efficiency of 22 miles per gallon (equivalent to 18 mi / \$1.00)
 - The average EV travels 100 miles per 30 kWh of electricity (equivalent to 36 mi / \$1.00)
- Fuel savings
 - The average annual cost per light-duty vehicle (LDV) is \$1,310.66 in gasoline consumption
 - The average annual cost per EV is \$221.03 in electricity costs—approximately an **80% reduction** in fuel costs
- Environmental benefits
 - Gasoline cars burn approximately 11,435 lbs of CO₂ eq. annually
 - EVs create approx. 6,000 lbs of CO₂ eq. annually (assuming 50% coal 30% nat gas generation portfolio)

Why do we need this bill?

- In 2010, the Colorado legislature passed HB10-1049, a bill that effectively shut out direct sales of all electric vehicles (EVs) by manufacturers of those vehicles.
- The only concession was a clause that 'grandfathered' in Tesla's existing license, allowing them to continue sales.

What does the bill do?

- The bill would allow all manufacturers of "electric motor vehicles" to sell directly to consumers.
- Defines "electric motor vehicle" as a motor vehicle that can operate entirely on electric power.
- The bill would enable consumers to access electric vehicle options easier by allowing them to buy directly from manufacturers.

What are the benefits of this bill?



Good for the planet – This bill is an effort to give consumers greater access to electric vehicle options and increase the number of electric vehicles in Colorado. With more electric vehicles, Colorado can reduce the total direct and life cycle emissions from coming from cars.² The reduction of emissions coming from cars will help reduce Colorado pollution and fight climate change.



Good for our air quality – The areas of Denver, and the Front Range suffer from poor air quality.³ Negative air quality can in part be due to emissions caused by gas burning cars, and this pollution can cause adverse respiratory effects.⁴ By increasing electric vehicle options for consumers, these health effects can be mitigated as Coloradans buy more electric vehicles.



Good for Colorado's economy – An increase in electric vehicles will reduce Coloradans' financial needs to purchase gasoline, and the cost of refueling electric vehicles is notably less than conventional vehicles.⁵ Also by allowing manufacturers to sell directly to consumers, the initial cost of acquisition for consumers is reduced which makes electric vehicles even more affordable and cost effective when compared to conventional vehicles.⁶

¹ Colorado Energy Office - Electric Vehicle Market Implementation Plan; U.S. Department of Energy

² Office of Energy Efficiency and Renewable Energy. *Reducing Pollution with Electric Vehicles*. Energy.gov.

³ Colorado Dept. of Public Health and Environment. *Monitoring Sites Map Air Quality Index*. Colorado.gov.

⁴ CDC. *Public Health Issue*. Air Quality. CDC.gov.

⁵ US Dept. of Energy. *Electric Vehicles Benefits and Considerations*. Alternative Fuels Data Center.

⁶ Ibid.