

EV Policy in Colorado

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Colorado EV Policy Map



- Removing regulatory barriers – deregulating resale of electricity for charging
- Financial incentives – EV tax credit through 2025
- Investment in charging – leveraging federal transportation \$; VW \$; EV fee
- Engaging utilities – SB 19-77
- LEV/ZEV standards
- EV incentives for TNCs – SB 19-236



Governor Polis's 'Supporting Colorado's Transition to Zero Emission Vehicles' Executive Order initiated an important conversation about clean transportation in Colorado ; Jan 2019



- Governor Polis has set a goal of 100% renewable electricity by 2040
- Colorado has 5th highest annual growth rate in country for EVs at over 50% per year
- State is committed to working with utilities, manufacturers, and other private partners such as ridesharing companies.

Goals

1. State shall develop a rule to establish a Colorado Zero Emission vehicle program;
2. State will use all remaining federal Volkswagen settlement money (up to \$70 million) for electrification of transportation, including charging stations, transit buses, school buses, and trucks;
3. CDOT shall develop a department zero emission vehicle and clean transportation plan designed to align transportation investments and programs with strategies that support widespread; deployment of ZEVs and expand mobility options in ways that save energy, reduce congestion, and improve the safety of Colorado's transportation network.



Zero Emission Vehicle Standards

- Adopted a requirement for manufacturers with sales in a state to deliver for sale a minimum percentage ZEV vehicles, measured by ZEV credits
- First time that auto manufacturers supported ZEV adoption



Politics of ZEV standard

- Opposition primarily from auto dealers association and national petroleum fuel manufacturers
- Car manufacturers engaged to help shape the rule; very interested in credit bank structures
- Strong support from environmental groups, local public health agencies, many local governments
- Key points – huge consumer costs savings; significant local air quality benefits, downward pressure on electricity rates, big GHG emissions savings; no negative impact on new car sales



EV Plan 2020: Vision

Large scale transition of Colorado's transportation system to zero emission vehicles, with a long term goal of 100% of light-duty vehicles being electric and 100% of medium- and heavy-duty vehicles being zero emissions



Five Goals

- 1) Increase the number of light-duty electric vehicles (EVs) to 940,000 by 2030;
- 2) Develop plans for transitioning medium-duty (MDV), heavy-duty (HDV) and transit vehicles to zero emission vehicles (ZEVs);
- 3) Develop an EV infrastructure goal by undertaking a gap analysis to identify the type and number of charging stations needed across the state to meet 2030 light-duty vehicle (LDV), MDV and HDV goals;
- 4) State government agencies meet directives and goals related to EVs from the updated Greening Government Executive order; and
- 5) Develop a roadmap to full electrification of the light-duty vehicle fleet in Colorado.



Elements of Colorado's Clean Trucking Strategy

Colorado is considering a number of different tools as part of a “Clean Truck Strategy” to reduce the harmful pollution from medium and heavy duty vehicles:

- Get older vehicles off the road
- Provide incentives for cleaner trucks
- Planning for the fueling needs of zero-emission trucks
- Build partnerships with fleets for short- and long-term planning
- Train people to maintain and repair these new technologies
- Work with other states to explore possibilities together



Potential MHD Vehicle Standards

Colorado is studying potential policy tools, including:

- Requiring a certain percentage of sales of ZEV trucks within a state
- Setting higher standards for oxides of nitrogen (NOx) for heavy duty engines
- Fleet requirements



These regulatory tools would significantly reduce public health impacts of pollution, saving lives and money (through avoided health care costs).

Source: <https://ww2.arb.ca.gov/resources/fact-sheets/advanced-clean-trucks-fact-sheet>
https://ww2.arb.ca.gov/sites/default/files/classic/msprog/hdlownox/files/HD_NOx_Omnibus_Fact_Sheet.pdf



Infrastructure Buildout

- DC Fast-Charging Corridors Program
- Continue participation in REV West to enable EV travel across Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah and Wyoming
- Work with Colorado Tourism Office to electrify scenic byways, state parks, ski areas, national parks and monuments (CEO)
- Grants for community charging stations
- Supporting \$130 million utility EV investment by Xcel Energy



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