



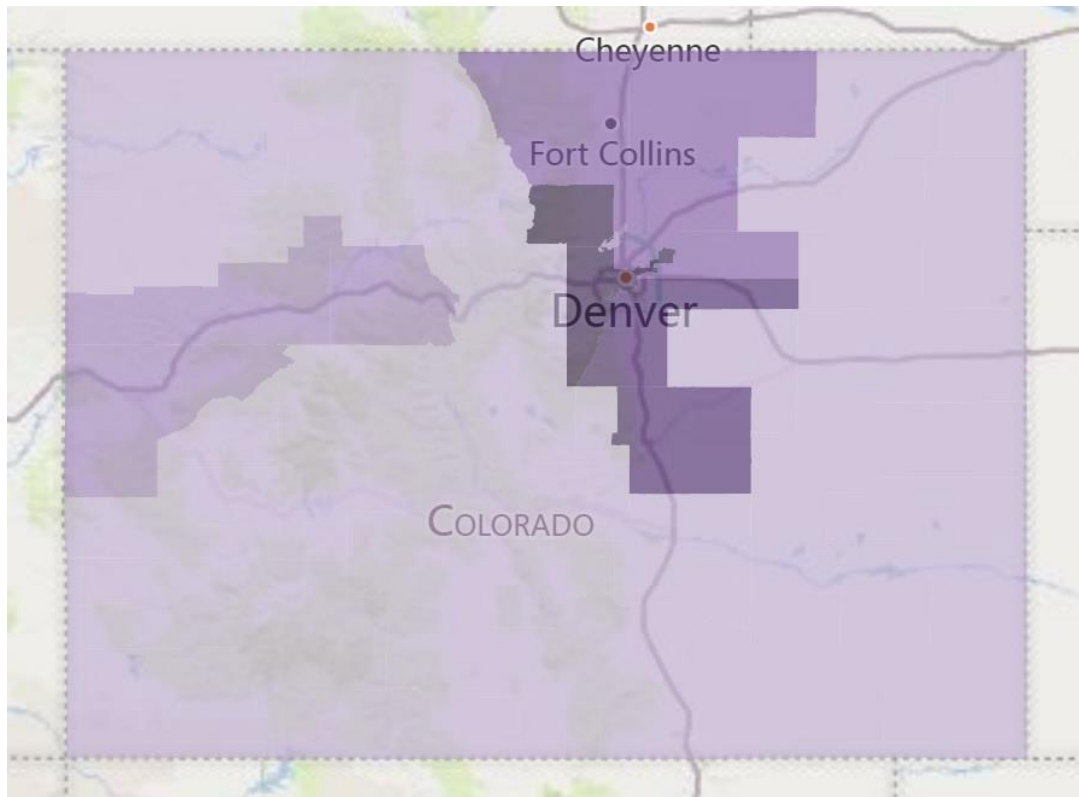
COLORADO
Department of Transportation

Transportation Electrification Opportunities





EV Registrations in Colorado



51,565 EVs in Colorado

- 36,275 BEVs
- 15,290 PHEVs



Increasing Vehicle Availability

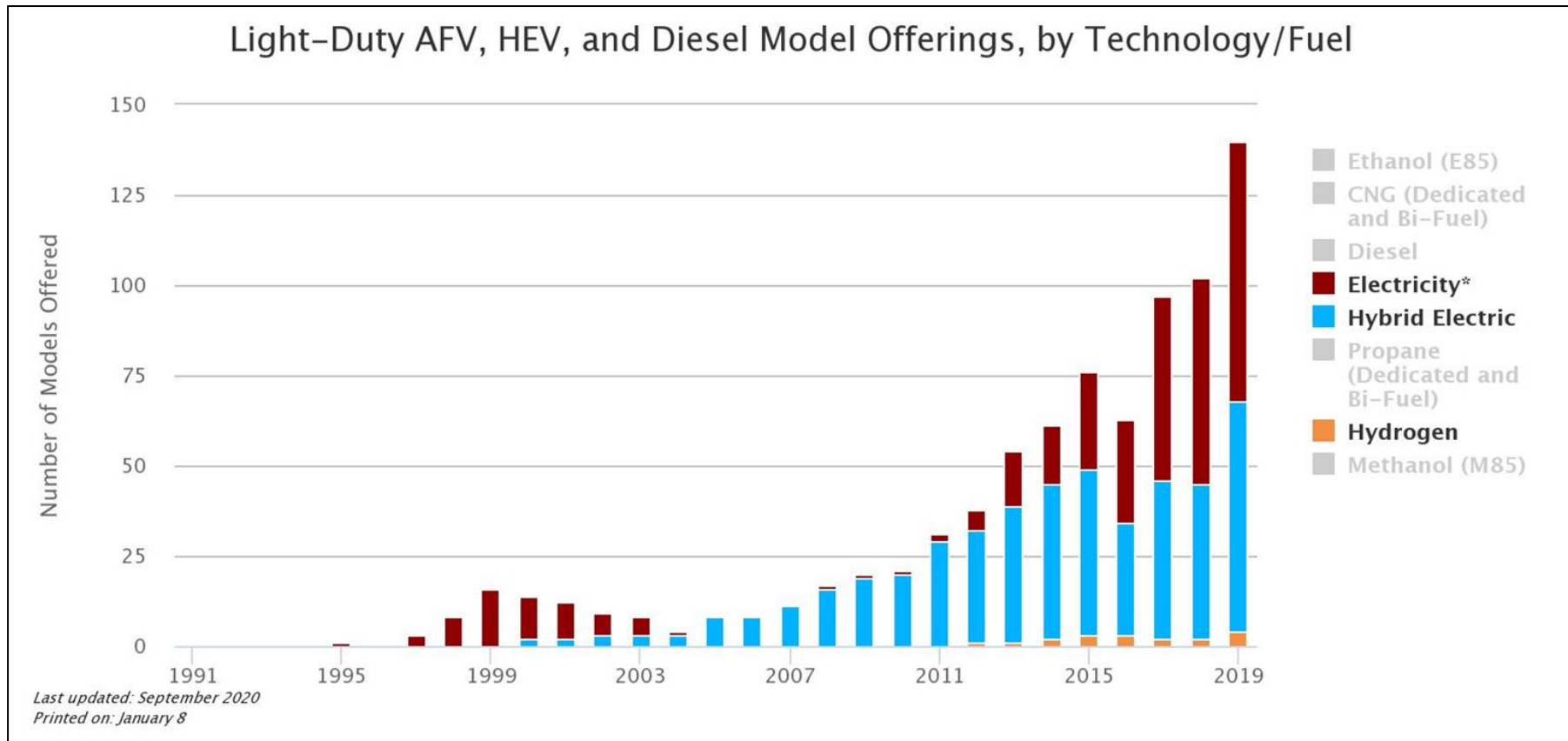
- In 2019, Colorado adopted the Zero-Emission Vehicle standard that will require automakers to make a greater number and variety of ZEVs for sale in Colorado, increasing consumer choice.
- As we start to see more battery electric and plug-in hybrid electric SUVs, pickup trucks, and crossovers enter the market, this regulation will ensure that Coloradans have access to them.
- The regulation applies to manufacturers, not consumers.



Source: The New York Times



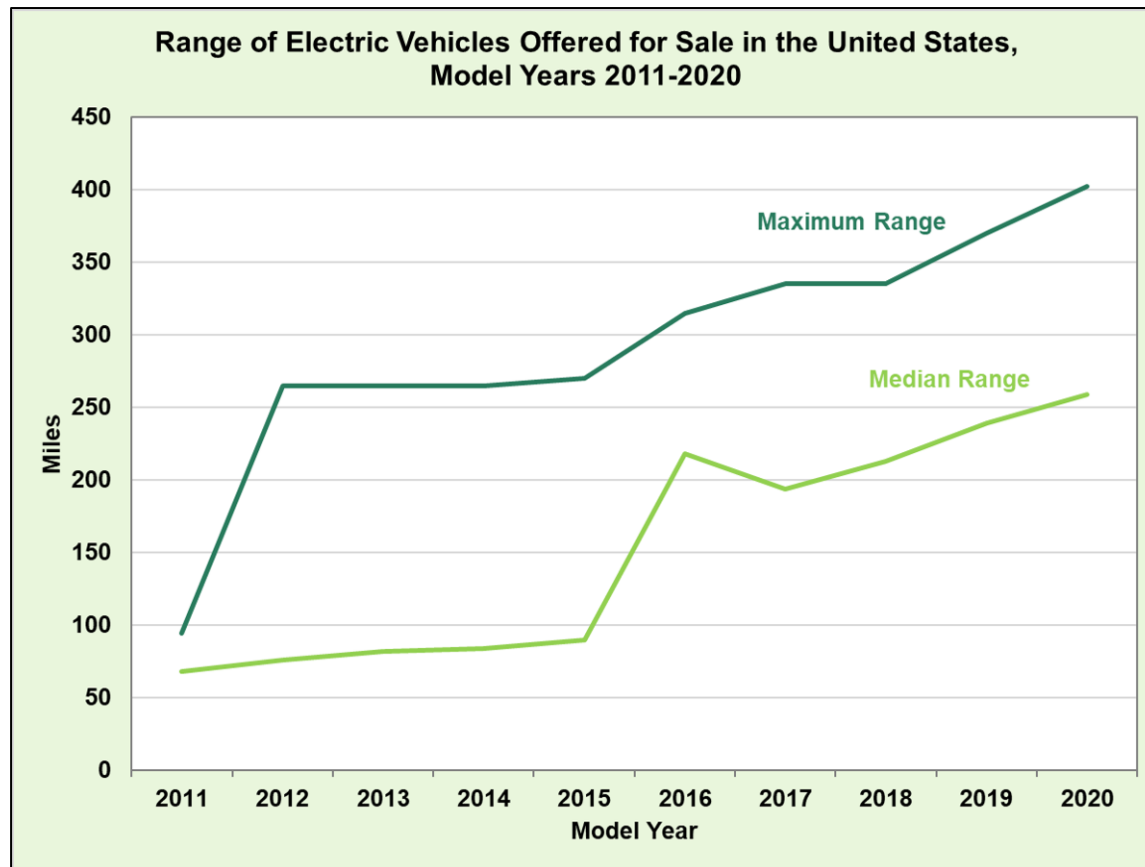
Increasing Vehicle Variety



Source: U.S. Department of Energy Alternative Fuels Data Center website (as of 1/8/2021)



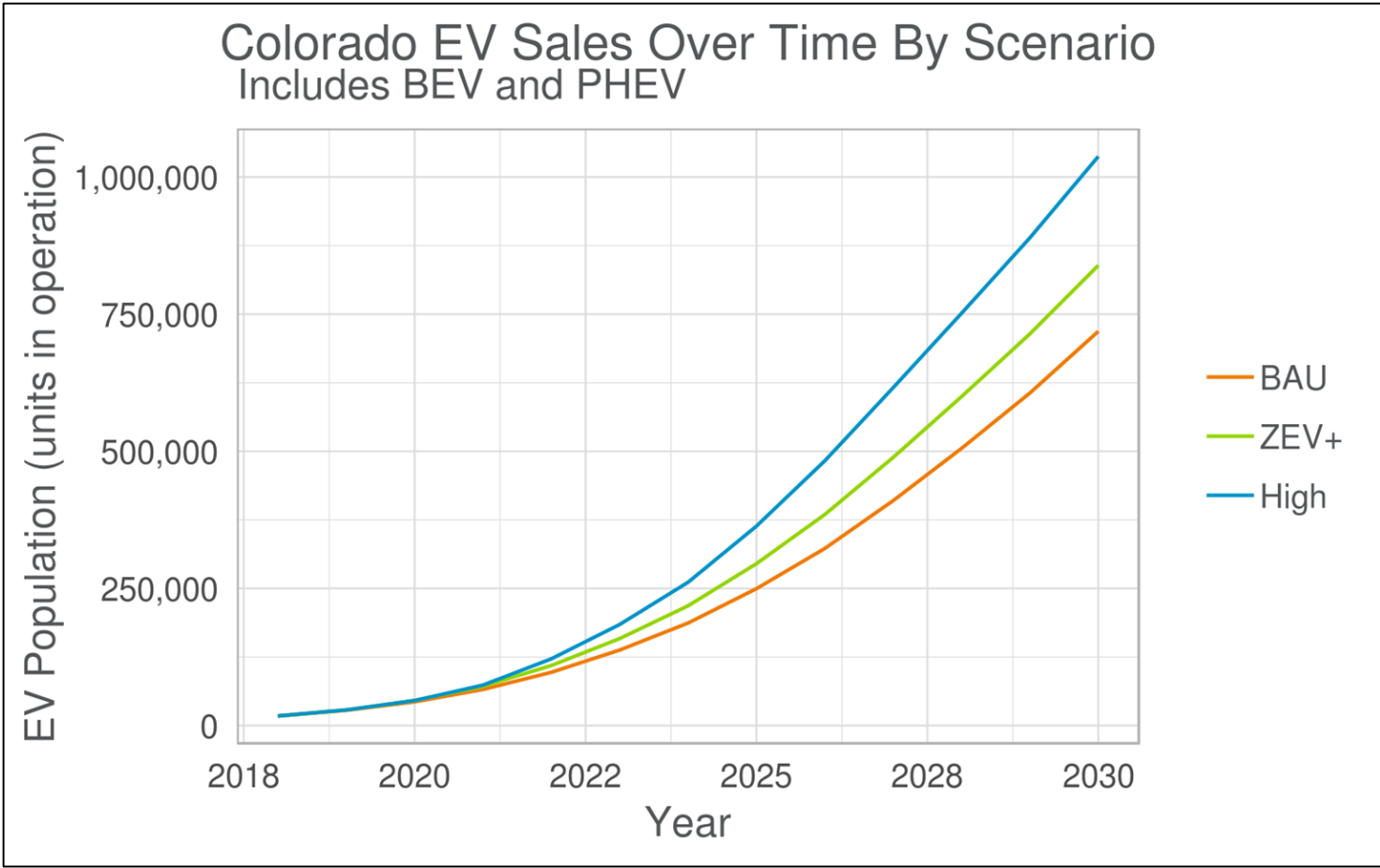
Increasing Vehicle Range



Source: U.S. Department of Energy and U.S. Environmental Protection Agency, Fuel Economy website (as of 10/30/20)



Colorado EV Growth Projections



Source:
Navigant (2019)



Automaker Commitments

Ford: F-150 Lightning on sale in 2022 (over 100,000 pre-orders to date)

Toyota: 60 new hybrid, electric, or hydrogen models by 2025

Volvo: 50% of global sales electric by 2025

Jaguar: 100% electric by 2025

General Motors: 100% electric by 2035

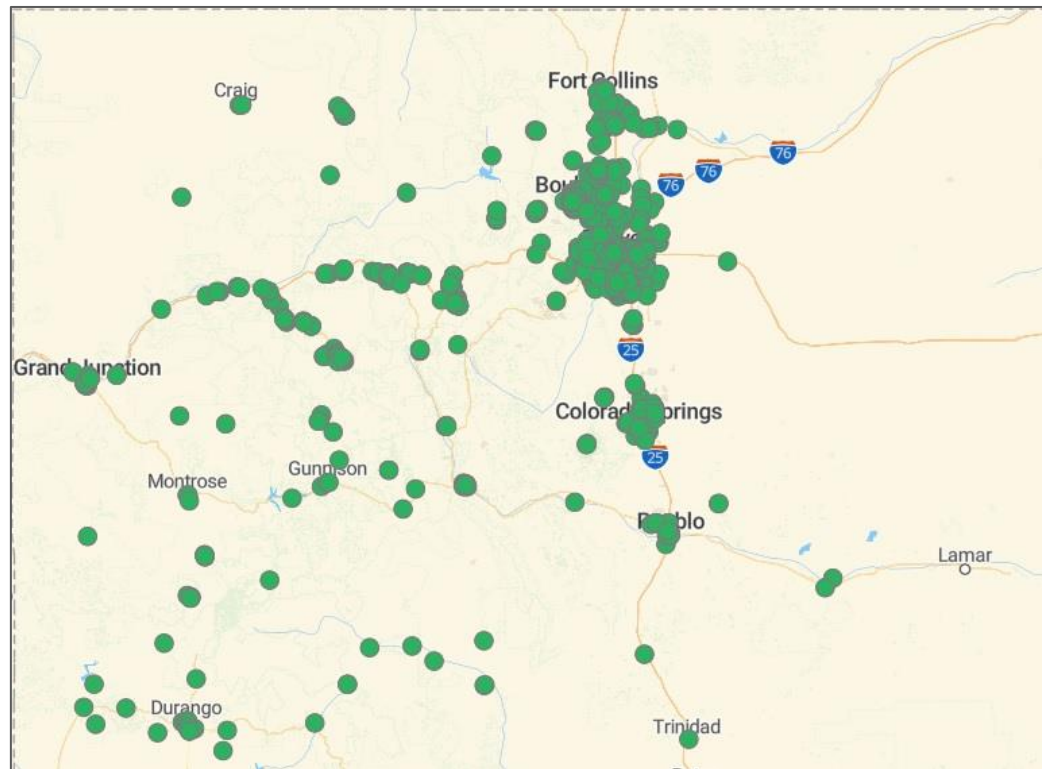
Subaru: Hybrid or electric versions of every model by 2035





Charge Ahead Colorado Grants

- Administered by the Colorado Energy Office and Regional Air Quality Council.
- Grants available statewide.
- Grants available up to:
 - \$9,000 per Level 2
 - \$35,000 per 50kW DCFC
 - \$50,000 per 150kW DCFC
- Over 1,500 charger grants awarded to-date.





DC Fast-Charging Corridor Grant

- \$10.33 million award made to ChargePoint to build 34 DCFC statewide (funded by CMAQ, VW Settlement, and private match).
- 2-4 chargers at each site; capable of providing at least 50 kW and up to 150 kW charging, with modular design and capacity for future expansion.
- Statewide network ensures a consistent driver experience at every station.
- Committed site hosts: retail, grocery, c-store, and local governments.



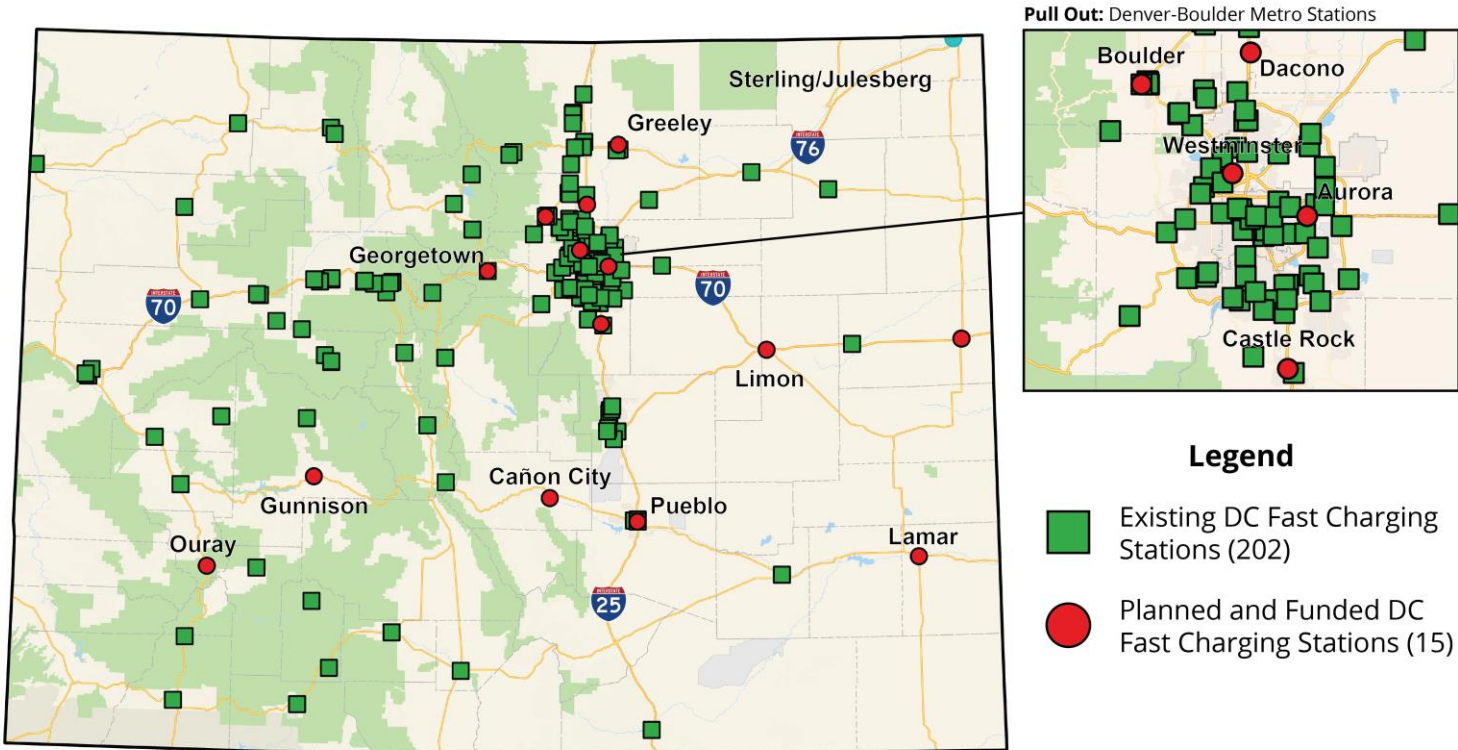
DC fast-chargers in Fairplay



DC Fast-Charging Corridor Grant

Publicly Accessible Electric Vehicle Fast-Charging Network

May 2022



COLORADO
Department of Transportation

Data Source: US DOE
Created: May 22



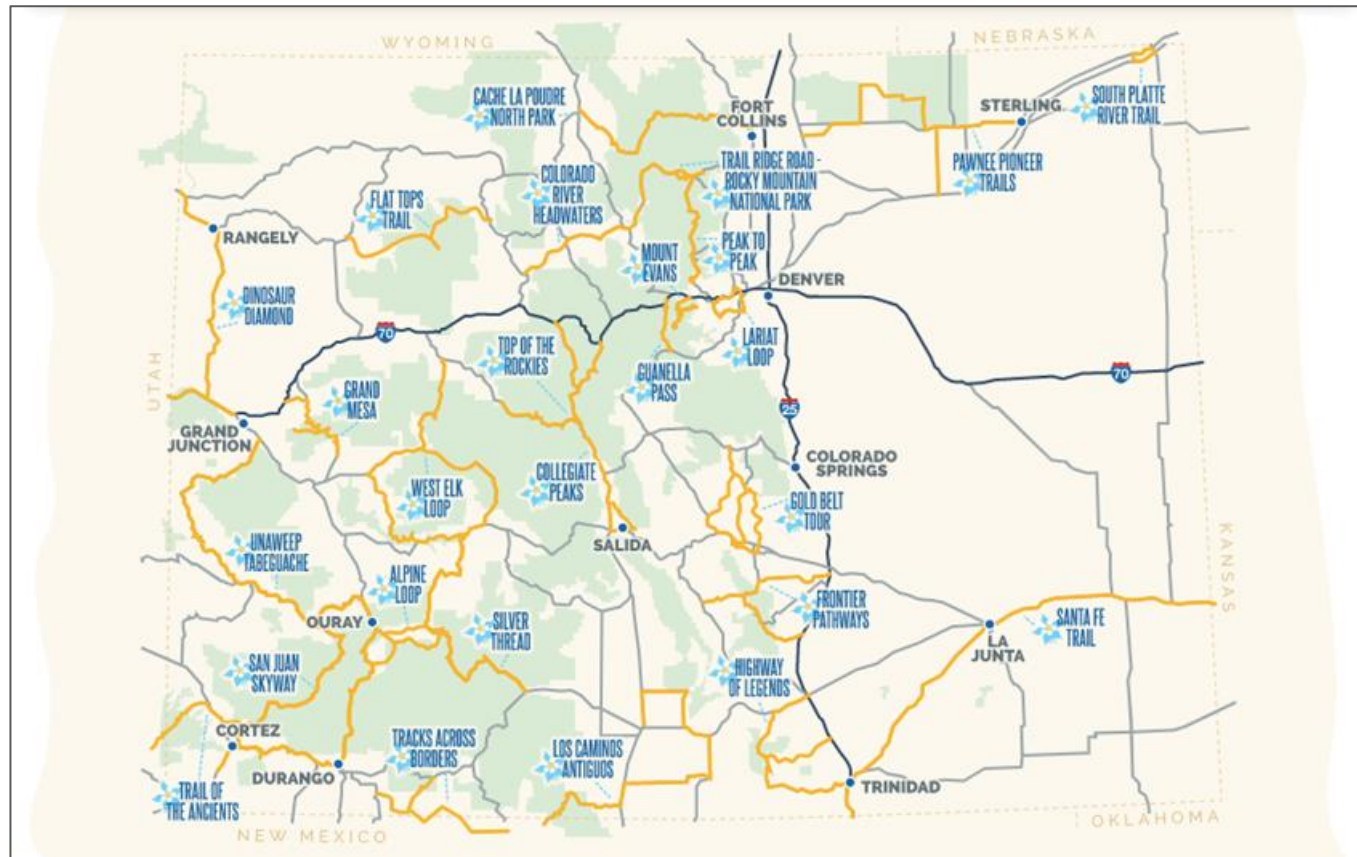
Scenic & Historic Byways Electrification

Completed

- Lariat Loop
- Grand Mesa
- Silver Thread
- Collegiate Peaks
- Flat Tops Trail
- Trail Ridge Road
- Top of the Rockies
- Colorado River Headwaters
- Alpine Loop
- Guanella Pass

In-Progress

- Peak to Peak
- West Elk Loop
- Cache La Poudre
- Mount Evans





Scenic & Historic Byways Electrification



NYTIMES.COM

For Travel, a Sustainable Comeback?

From a newly certified Whale Heritage Site to scenic byways for

Colorado's Scenic Byways Could Be Your First Electric Road Trip

By Ashley Mateo May 28, 2021





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Electrified Scenic Byways Program





DC Fast-Charging Plaza Grant

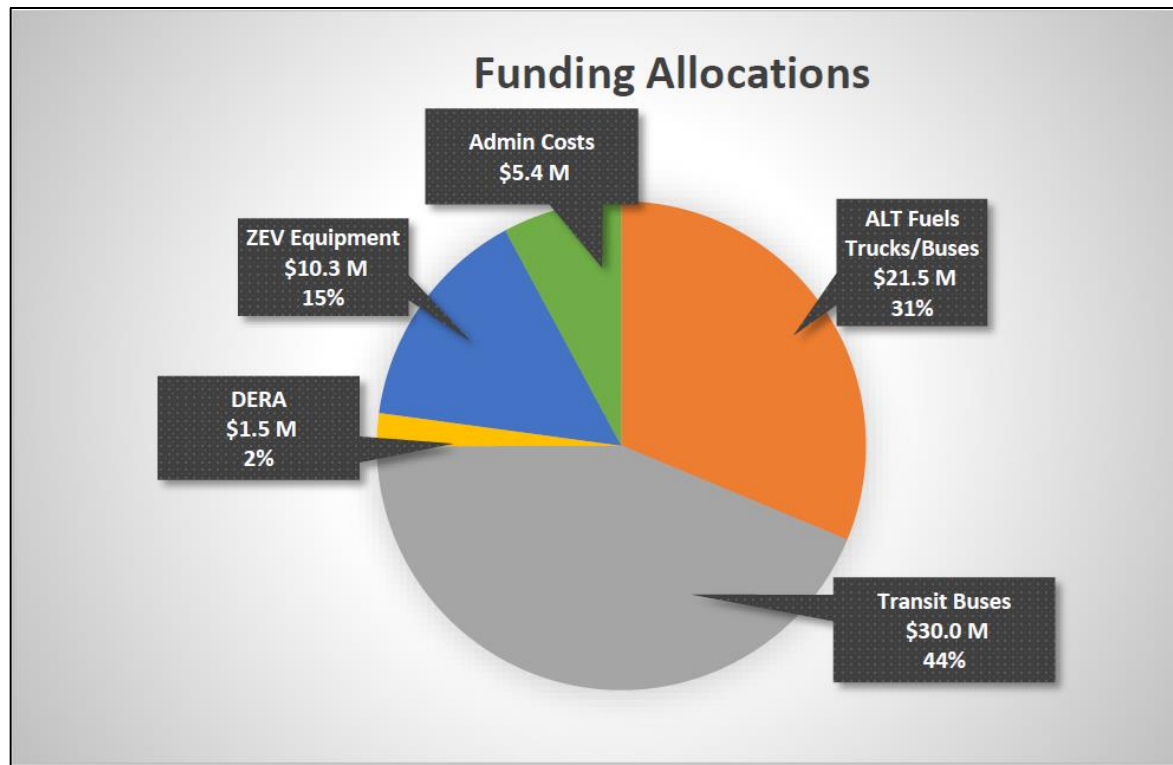
- Focused on larger, more urban charging station hubs in and around downtown areas, high density housing and commercial developments, near transit hubs, airports, and other locations with a significant presence of TNCs and taxis.
- Three rounds of awards completed so far, with more anticipated on a rolling basis moving forward
- As with the Corridors program, committed site hosts are a key element.





Volkswagen Settlement

- Colorado's portion of the \$2.7 billion environmental mitigation fund is approximately **\$68.7 million**.
- The designated lead agency is CDPHE, working in partnership with CDOT, CEO, and RAQC.





SB21-260 Electrification Investments



\$733 million of new fee revenue supports 3 new electrification and charging infrastructure Enterprises:

Community Access Enterprise

Colorado Energy Office (CEO)

- ◆ Build charging infrastructure in communities across the State, and support electric vehicle and eBike adoption in low- and moderate-income communities.
- ◆ **\$310 million** investment

Clean Fleet Enterprise

Colorado Department of Public Health & Environment (CDPHE)

- ◆ Support fleet replacement (delivery trucks, TNCs, school buses, and other light/medium/heavy duty vehicles) with incentives to meet climate and air quality goals
- ◆ **\$289 million** investment

Clean Transit Enterprise

Colorado Department of Transportation (CDOT)

- ◆ Support electrification of public transit through electrification planning efforts, fleet replacement and associated charging infrastructure.
- ◆ **\$134 million** investment





Infrastructure Investment & Jobs Act (IIJA)

New Federal funding associated with corridors!

- \$5 billion in the National Electric Vehicle Infrastructure (NEVI) Formula Program
 - Colorado expected to receive \$57 million over 5 years (EV charging only)
 - FY23 apportionment will be \$8,368,277
- \$2.5 billion in the Discretionary Grant Program (competitive)
 - \$1.25 billion in Corridor Grant Program (all fuels, tied to corridor designations)
 - \$1.25 billion in Community Grant Program (all fuels, geographically open)

“Corridor Ready” criteria is becoming more stringent in terms of charging stations

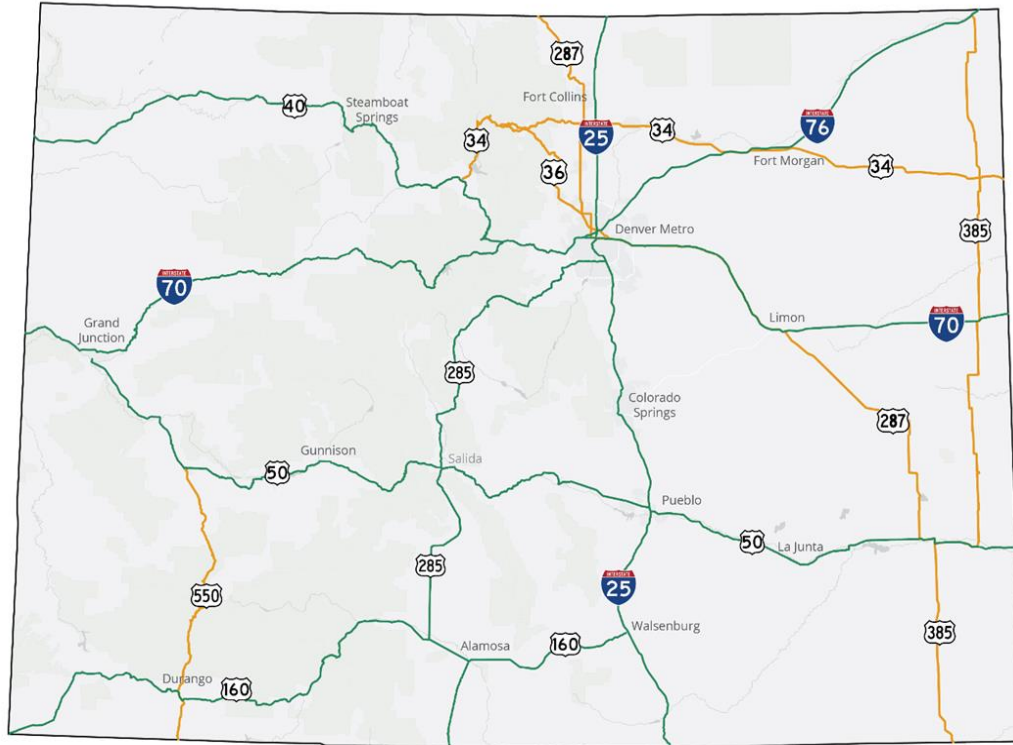
- Stations must be within 1-mile of the designated corridor in order to “count” (was 5 miles)
- Focus on DC fast-charging locations with minimum 150 kW charging for 4 vehicles simultaneously, spaced no more than 50 miles from one another

In addition to existing criteria, Round 6 of the corridor program is now also prioritizing:

- Rural areas
- Disproportionately impacted communities
- Support for freight and goods movement

Federally Designated Electric Vehicle Corridors in Colorado

Existing Designated Corridors and Round 6 Nominations



Legend

- Designated Corridors
- Round 6 Nominations

Nominations Submitted 5/13/22

FHWA typically announces the status of corridor nominations within 3 months of the submission deadline

Learn more and participate in the NEVI Plan development at:

<https://www.codot.gov/programs/innovativemobility/electrification/nevi-plan>





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