

# Regional Transportation Electrification Plan for Boulder County



## About This Plan

Over the course of 11 months during 2021 and 2022, representatives from local governments within Boulder County came together with key stakeholders, including business associations, state agencies, nonprofit organizations, and Xcel Energy to develop a strategic plan to reduce greenhouse gas emissions in Boulder County through equitable transportation electrification solutions. This plan builds on existing sustainability initiatives, to show that close collaboration can accelerate a successful transition to an all-electric vehicle future.

### Our Regional Vision

Boulder County communities will work with regional partners to implement solutions that support the large-scale and equitable transition to zero emission vehicles.

### Our Regional Vision Goals

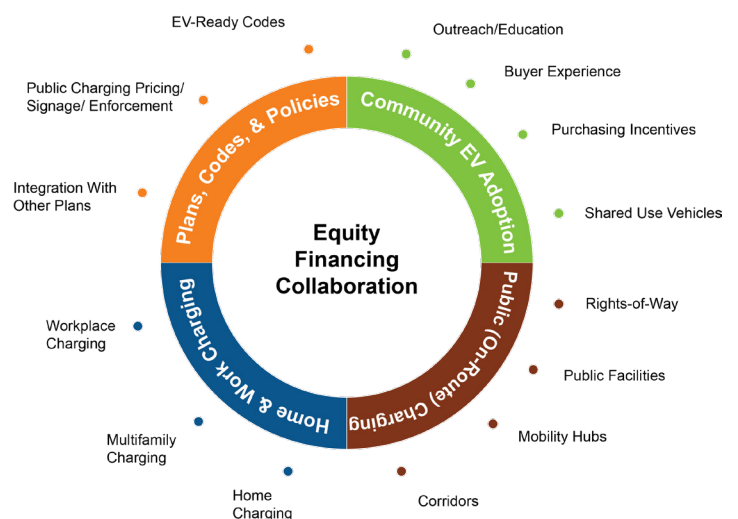
The following goals were set for the Boulder County region, in alignment with the GoEV Cities and Counties resolutions established by several communities in Boulder County:

- 1) Transition 30% of all vehicles registered in Boulder County to zero-emissions by 2030.
- 2) By 2030, install a combined 2,380 public level 2 and DC fast charging ports equitably distributed across Boulder County.

## Our Roadmap for Achieving Our Vision and Goals





To achieve our vision and goals, this plan is divided into four focus areas: *Community Electric Vehicle Adoption, Public Charging, Home & Work Charging, and Plans, Codes, & Policies*.

Across all focus areas, three key themes were identified – *Equity, Collaboration, and Financing* – as critical considerations for implementation of each plan strategy.



## Plan Strategies

In pursuit of this vision, the plan is organized into four focus areas – Community EV Adoption, Home & Work Charging, Public Charging, and Plans, Codes, & Policies. The table below summarizes the strategies within each focus area. The planning team and other regional stakeholders will collaborate to implement these strategies over the next two years and beyond.

FOCUS AREA	STRATEGIES 2022-2024	STRATEGIES 2024-2030
<b>Community EV Adoption</b> 	<ul style="list-style-type: none"> <li>CA-1: Regional Community Outreach</li> <li>CA-2: Residential EV Purchasing Incentives</li> <li>CA-3: Equitable EV Carshare Program</li> <li>CA-4: EV Workforce Pipeline and Training</li> <li>CA-5: Dealership Outreach</li> </ul>	<ul style="list-style-type: none"> <li>Coordinated Ride-and-Drive Events</li> <li>Employee EV Training</li> <li>Commuter EV Vanpool Programs</li> <li>Equitable E-bike Programs</li> <li>Rideshare Fleet Electrification</li> <li>Equitable Electric Microtransit</li> <li>Equitable Service Delivery Electrification Grants</li> </ul>
<b>Home &amp; Work Charging</b> 	<ul style="list-style-type: none"> <li>HW-1: Multifamily Charging Outreach</li> <li>HW-2: Equitable Multifamily Charging Incentives</li> <li>HW-3: Equitable Single-Family Home Charging Incentives</li> </ul>	<ul style="list-style-type: none"> <li>Workplace Charging Outreach</li> <li>Workplace Charging Funding</li> <li>Workplace Charging Peer Exchanges</li> <li>Workplace Charging Recognition</li> </ul>
<b>Public Charging</b> 	<ul style="list-style-type: none"> <li>PU-1: Mapping Public Charging Station Locations</li> <li>PU-2: Regional Public DC Fast Charging Installations</li> <li>PU-3: Mobility Hubs</li> <li>PU-4: Shared Mobility/Delivery Fleets Charging</li> </ul>	<ul style="list-style-type: none"> <li>Vehicle-to-Grid Charging</li> <li>EV Charging Station Guide</li> <li>Business Outreach Resources</li> <li>Funding Incentives for Public Charging on Private Property</li> </ul>
<b>Plans, Codes, &amp; Policies</b> 	<ul style="list-style-type: none"> <li>PC-1: Accessibility Advocacy</li> <li>PC-2: Pricing Structure Best Practices</li> <li>PC-3: EV Charging Design Guidelines</li> </ul>	

Successful implementation of this plan by 2030 will result in:



**84,000 EVs** on the road in Boulder County (light, medium, and heavy-duty)



**2,380 public charging ports** equitably distributed across Boulder County, focused on multifamily and affordable housing locations



**Estimated 324,900 metric tons of carbon dioxide equivalent MTCO<sub>2e</sub>** saved annually