

# An Electric Vehicle Charging Station Action Plan for Larimer County



Public electric vehicle (EV) charging installation has been increasing rapidly. Over the last 5 years, in Larimer County, over 170 new Level 2 charging stations were added, more than doubling the total available. A similar trend has been seen in DC Fast charging stations with 23 installed since 2017, bringing the County total up to 35 stations. This planning effort is designed to help coordinate these efforts and continue to accelerate installation in support of the State of Colorado’s vehicle electrification goals and identified public charging needs.

## Why an EV Action Plan?

Larimer County developed an Internal Climate Action, Resilience, and Education (ICARE) plan to supplement the community-wide Climate Smart and Future Ready initiative. These efforts aim to provide plans with mitigation and adaptation strategies to lessen climate change impacts on our community members and advance the County’s identified priorities and aspirations. With air quality along the Front Range, including Larimer County, rated as “severe” for ground level ozone and recognition that our largest contribution to this air quality status is transportation activity, Larimer County seeks to decrease the impact on this vital resource by reducing fossil fuel emissions. Focused actions underway in the ICARE plan, and in development within the Climate Smart and Future Ready initiative, point toward the enhancement of an extended EV charging network to assist us in reaching the County’s goals. For additional details about transportation-related sustainability and climate efforts in Larimer County, visit: [www.larimer.gov/climate-and-sustainability/transportation](http://www.larimer.gov/climate-and-sustainability/transportation).

## Our Electric Vehicle Infrastructure Plan Objectives and Goals

### Planning Objective

Identify opportunities to build out an EV charging network in Larimer County leveraging resources from Xcel Energy and community partners.

### Goal

This is an implementation plan to provide tactical strategies Larimer County can implement to support the State of Colorado’s goal of 940,000 light-duty EVs by 2030. In this EV plan, the state has identified that the County needs to have 1,447 Level 2 public chargers and 309 level 3 public chargers to support the new EVs in the County by 2030 with short-term targets of 420 level 2 and 105 DC Fast chargers by 2025.

## Our Near-term Strategies

The plan’s strategies are estimated to close about 10% of the identified gap between the projected EV infrastructure installations under a business-as-usual scenario and the goals set by the state. This plan is one part of the needed collaboration with Larimer County, local municipalities, and the private sector to close the EV charging gap.

STRATEGY	2025 TARGET	2025-2030 TARGET
<b>Promote EV Charging in Population Centers (P)</b>		
Strategy P-1: Create a Local Working Group	4 DC Fast Chargers	<ul style="list-style-type: none"> <li>27 Level 2 chargers</li> <li>4 DC Fast chargers</li> </ul>
Strategy P-2: Develop an EV charging informational packet	Support Strategy P-1: Create a Local Working Group	
Strategy P-3: Develop a County template to develop a community EV roadmap	At least 1 community uses the template to adopt EV friendly programs and/or polities.	<ul style="list-style-type: none"> <li>40 Level 2 chargers</li> <li>10 DC Fast chargers</li> </ul>
<b>Corridor and Destination Charging (CD)</b>		
Strategy CD-1: Create and maintain a ledger of public EV charging opportunities in the County	Support Strategy P-1: Create a Local Working Group and Strategy CD-1: Create and maintain a ledger of public EV charging opportunities	
Strategy CD-2: Install EV charging at high-traffic County locations	4 Level 2 chargers	
Strategy CD-3: Develop and share EV charging policies	Support CD-2	
Strategy CD-4: Explore resiliency hub opportunities	None	<ul style="list-style-type: none"> <li>4 Level 2 chargers</li> <li>2 DC Fast chargers</li> </ul>
<b>Total New Charging Stations</b>	<ul style="list-style-type: none"> <li>4 Level 2 chargers</li> <li>4 DC Fast chargers</li> </ul>	<ul style="list-style-type: none"> <li>75 Level 2 chargers</li> <li>20 DC Fast chargers</li> </ul>
<b>Estimated Total EV Charging Stations in the goal year<sup>1</sup> (remaining gap to State goals)</b>	<ul style="list-style-type: none"> <li>424 Level 2 chargers (0)</li> <li>49 DC Fast chargers (31)</li> </ul>	<ul style="list-style-type: none"> <li>916 Level 2 chargers (531)</li> <li>196 DC Fast chargers (113)</li> </ul>

<sup>1</sup>Using the high implementation scenario from the projections.

