

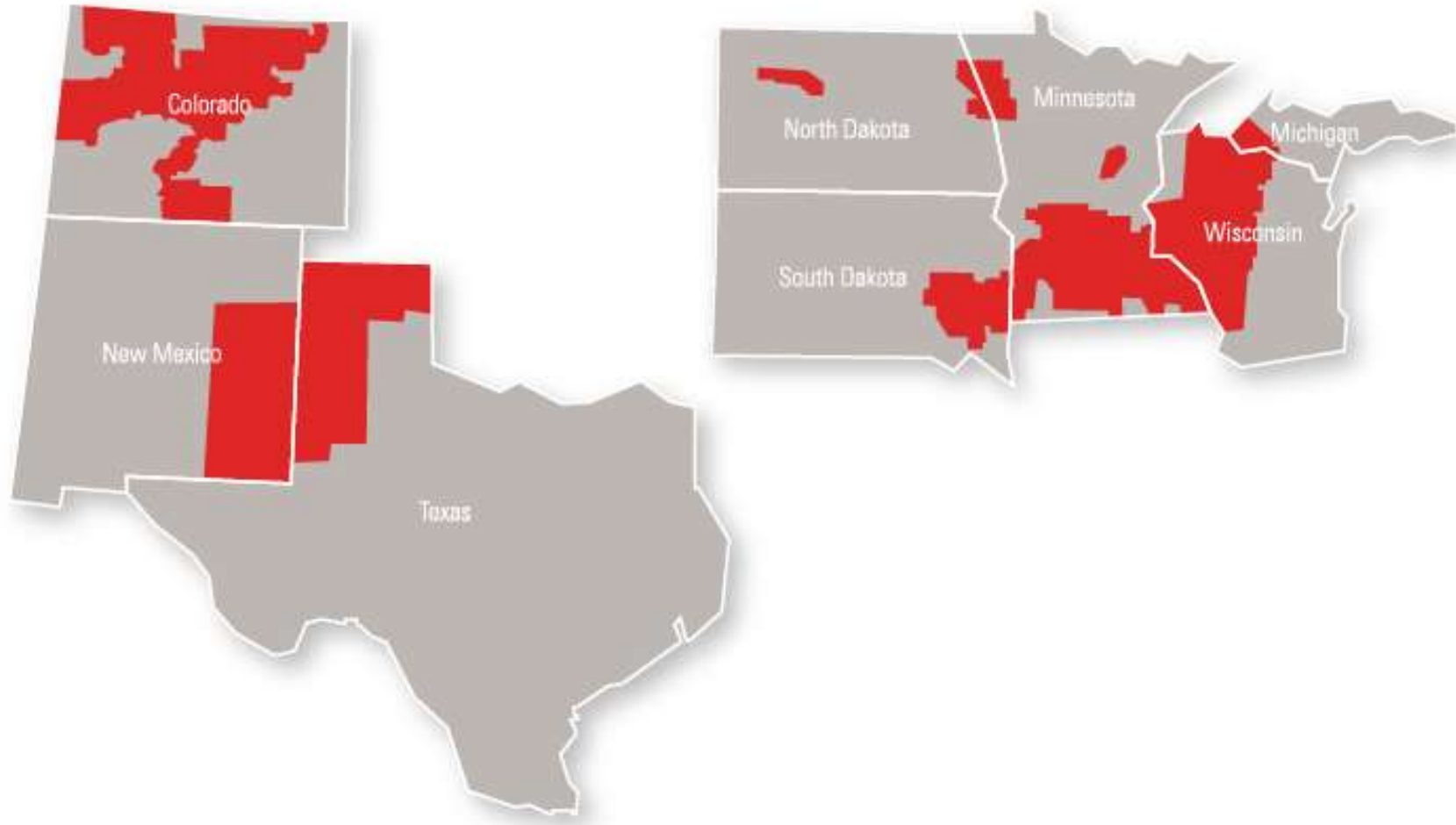


# Electric Vehicles Supply Equipment and Fleets

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Xcel Energy

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# Xcel Energy Service Area



# Our Electric Vehicle Vision



**1.5 MILLION EVs**

On the road in the areas we serve by 2030



**\$1 BILLION**

In customer fuel savings annually by 2030



**\$1 OR LESS PER GALLON**

To drive an EV with Xcel Energy's low, off-peak electricity prices



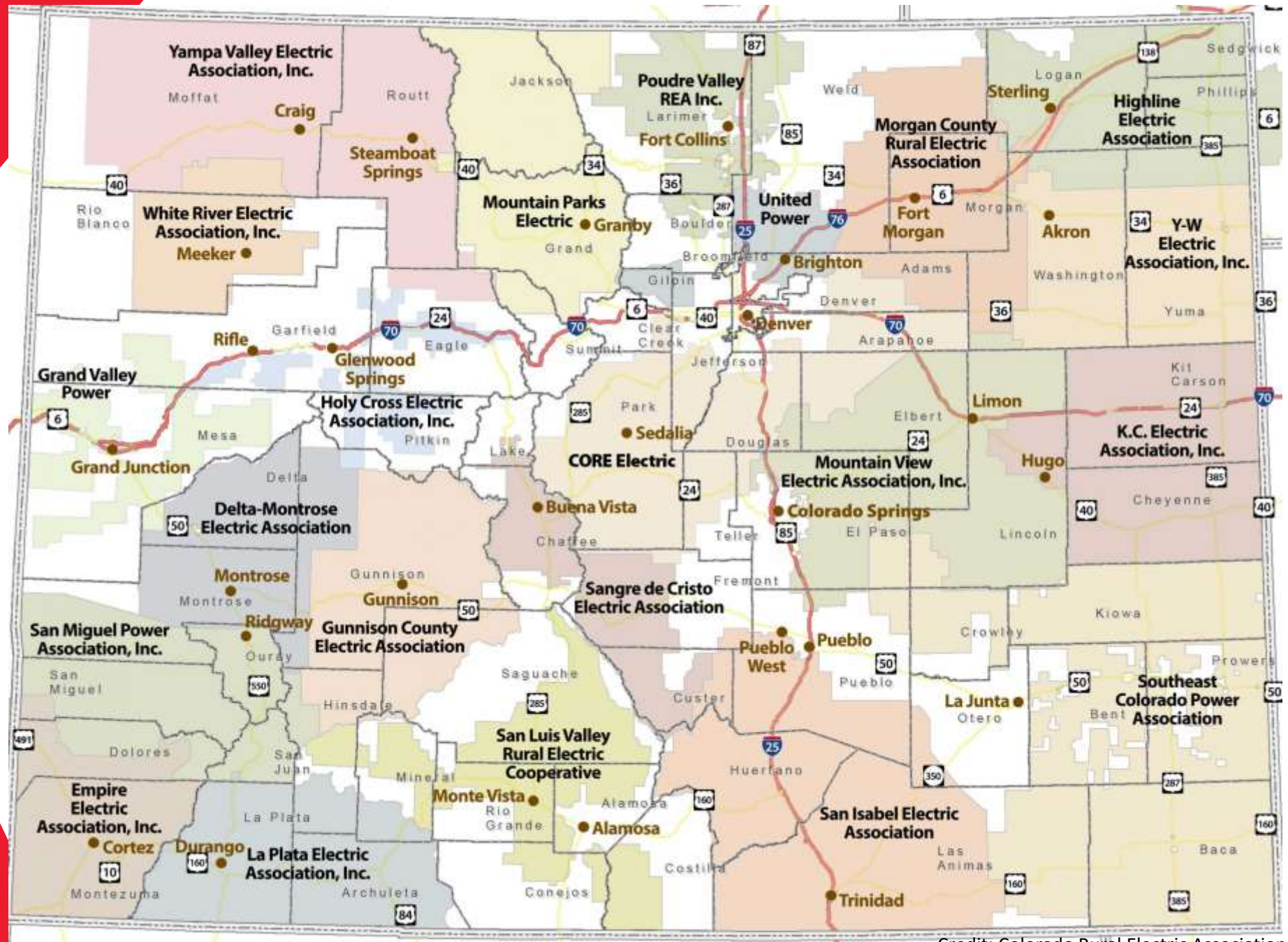
**5 MILLION TONS OF CARBON EMISSIONS**

Eliminated annually by 2030 with our clean energy

## Colorado Electric Utilities:

- Governed by the Public Utilities Commission (PUC)
  - Investor-Owned Utilities:
    - Black Hills Energy &
    - Public Service Company of Colorado (Xcel Energy)
- Not Governed by the Public Utilities Commission (PUC)
  - 29 Municipal Utilities
  - 22 Rural Electric Cooperatives
    - Cover 70% of landmass in Colorado
    - Not-for-profit
    - Formed in 1930s – First in CO in 1936





Credit: Colorado Rural Electric Association

# Colorado SB19-077:

## Electric Motor Vehicles Public Utility Services:

- The act requires an electric public utility to apply to the public utilities commission to build facilities to support electric vehicles.
- *May 15, 2020, and on or before May 15 every three years thereafter, an electric public utility shall file with the Commission an application for a program for regulated activities to support widespread transportation electrification within the area covered by the utility's certificate of public convenience and necessity.*

# Transportation Electrification Plan(TEP): Public Services Company of Colorado 2021-2023

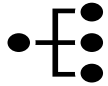
- Portfolios:
  - Residential
  - Purchase/Lease Rebates for Vehicles
  - Multifamily Housing
  - Commercial
    - Fleet and Workplace Charging
    - Public Charging & Electric Mobility Services
  - Partnership, Research, and Innovation (PRI)
  - Advisory Services
- Budget: \$108 Million for three-year TEP

# Commercial EV Programs

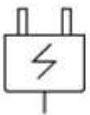
Suite of programs for [Fleet](#), [Workplace](#), [Public Charging](#), [Community Charging](#), and [Multifamily Buildings](#). **Xcel Energy Owned Fast charging coming soon in CO, NM and MN.** Our **End-to-End Service** will provide a dedicated Xcel Energy EV concierge to support customers in selecting and applying for programs. [xcelenergy.com/CommercialEVs](https://xcelenergy.com/CommercialEVs).



**Fleet Electrification Advisory Program (FEAP)** provides fleets with suitability assessment, data analysis, and advisory services for free as the first step to fleet electrification. [CO](#), [MN](#), [WI](#), [NM](#)



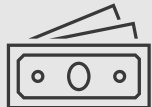
**Electric Vehicle Supply Infrastructure Program (EVSİ)** provides no-cost advisory and turnkey services for fleet, workplace, community charging hubs, and multifamily buildings. This includes the design and construction of EV supply infrastructure (but does not include chargers). [CO](#), [MN](#), [NM](#) (offered only for public charging in WI)



**Charger Service** gives our multifamily, fleet, and workplace customers the option to pay a monthly fee for Xcel Energy owned Level 2 chargers. [CO](#)



**New Construction Rebate** provides \$2,000 per charging port in order to support new multifamily construction for EV-ready parking spaces. [CO](#)



**Rebates for Income Qualified & High Emissions Communities (HEC/IQ)** are broken down as follows: Fleets and workplaces can get a rebate of \$2,200 per Level 2 port and \$45,000 per DCFC. Community Hubs can get a rebate of \$8,800 for 4 Level 2 charging ports and \$31,200 for DCFC. Multifamily buildings can get a rebate of \$2,200 per port. [CO](#)



# Colorado Transportation Electrification Plan (TEP) Programs

## 2021-2023 TEP Portfolios

Residential	Multi-Family Housing	Commercial	Advisory Services	Partnership, Research & Innovation	Purchase/ Lease Rebates
<ul style="list-style-type: none"><li>• Home Wiring Rebate</li><li>• EV Accelerate at Home (charging service)</li></ul>	<ul style="list-style-type: none"><li>• Supply Infrastructure</li><li>• Charging Services</li><li>• New Construction Rebate</li></ul>	<ul style="list-style-type: none"><li>• Supply Infrastructure</li><li>• Charging Service</li><li>• Community Charging Hub</li><li>• Xcel DCFC Own/Operate</li></ul>	<ul style="list-style-type: none"><li>• Residential</li><li>• Fleets</li><li>• Community</li><li>• School Bus Rebate</li></ul>	<ul style="list-style-type: none"><li>• Refuse Trucks</li><li>• Carshare</li><li>• Paratransit</li><li>• V2G Pilot</li></ul>	<ul style="list-style-type: none"><li>• New and Used EVs (Income-Qualified Only)</li></ul>

**Equity Programs:**  
Home and Multi-Family Rebates, Commercial Charging, Community Charging Hubs, Advisory Services

# Workplace

• **Income Qualified:** Receive up to \$2,200 when installing a Level 2 port or \$45,000 when installing a DC fast charger port to help cover the cost of chargers

## **Best For:**

Business/organizations looking to install EV charging for employees or customers.

## **Eligibility:**

Commercial Electrical service from Xcel Energy, receive electric service at secondary voltage, minimum of four ports per site or 50 kW of charging capacity

## **Charging Equipment Options:**

Xcel Energy-provided charging station (includes installation and maintenance) for a monthly fee, or  
Procure your own charging equipment that meets program requirements

# Fleet

- **Income Qualified/High Emissions Community:** Receive up to \$2,200 when installing a Level 2 port or \$45,000 when installing a DC fast charger port.
- **Fleet Electrification Advisory Program:** No cost Data-driven assessments of EV fleet opportunities and charging infrastructure options.

## Fleet Electrification Advisory Program (FEAP) –

### **Best For:**

Any business or organization ready to develop an electrification plan for their fleets, including EV procurement, infrastructure needs and project optimization.

### **Eligibility:**

Commercial Electrical service from Xcel Energy,  
Existing fleet includes five or more light duty vehicles and used for commercial work or for distributing services or products,  
Agree to install telematics equipment and share assessment data for collaboration with Xcel Energy's team to find a customized solution.

# FLEET ELECTRIFICATION ADVISORY PROGRAM

## **Analytics and Advisory Services for Vehicles and Infrastructure**

Xcel Energy is partnering with a fleet analytics company to help customers:

- Understand fleet needs and highlight opportunities for electrification
- Collect detailed data of fleet vehicle usage on a day-to-day basis
- Assess which EVs can support existing driving patterns
- Develop infrastructure options and make recommendations on charging locations
- Analyze economics and make recommendations based on fleet needs (including rate options)



# Xcel Energy Fleet Pillars



## Vehicle Assessment

A cost-neutral, telematics-based analytics program to help organizations develop an electrification plan



## EVSI (Infrastructure)

Utility funded engineering, infrastructure analysis and upgrades (as required) including charger make-ready



## Optimization

Optimization of vehicle usage, charging, and rate design based upon telematics-informed analytics



# Suitability Assessment

Analytics utilizing sub-minute driving data to:

- Assess the Total Cost of Ownership between ICEs and EVs based on driving data to compare all available EV and PHEV models for operational and economic fit.
- Understand daily charging requirements and costs per vehicle
- Model different electrification scenarios and the impact to operations and GHG emissions.
- Identify aggregated dwell locations for charging infrastructure

# Infrastructure Analysis

Aggregates vehicle charging profiles determined by the vehicle assessment to:

- Layer aggregated vehicle daily charging demand at dwell locations to identify where charging peak will be coincident with facility peak demand.
- Provide the ability to model the level of fleet electrification at each location to understand the impact of charging on infrastructure requirements.
- Project peak demand in 15-minute increments to determine when managed charging will be needed.
- Ensure that infrastructure capital is minimized as fleets continue to electrify





# OPTIMIZATION

Utilizes telematics and that data from the vehicle assessment to:

- Track savings and emissions reductions
- Track charging by location and type (to identify missed charging opportunities)
- Track at-home and off-site charging for accurate reimbursements
- Gain insights that maximize savings and increase the efficient use of EV assets.





# EV Advisors

- A dedicated Xcel Energy EV Team member to help guide customers through each step of their electrification journey.

BUSINESS SERVICES

## EV Solutions

Receive end-to-end EV planning and charging services for your business, organization or community.

### Ready to Get Started?

You've done the research, and we're ready to power where you want to go. Set up a meeting with our EV experts.

[Let's Connect →](#)

# COMMERCIAL CUSTOMER JOURNEY

Intake form  
Submitted

Initial  
Discussion with  
EV Advisor

Preliminary  
Design

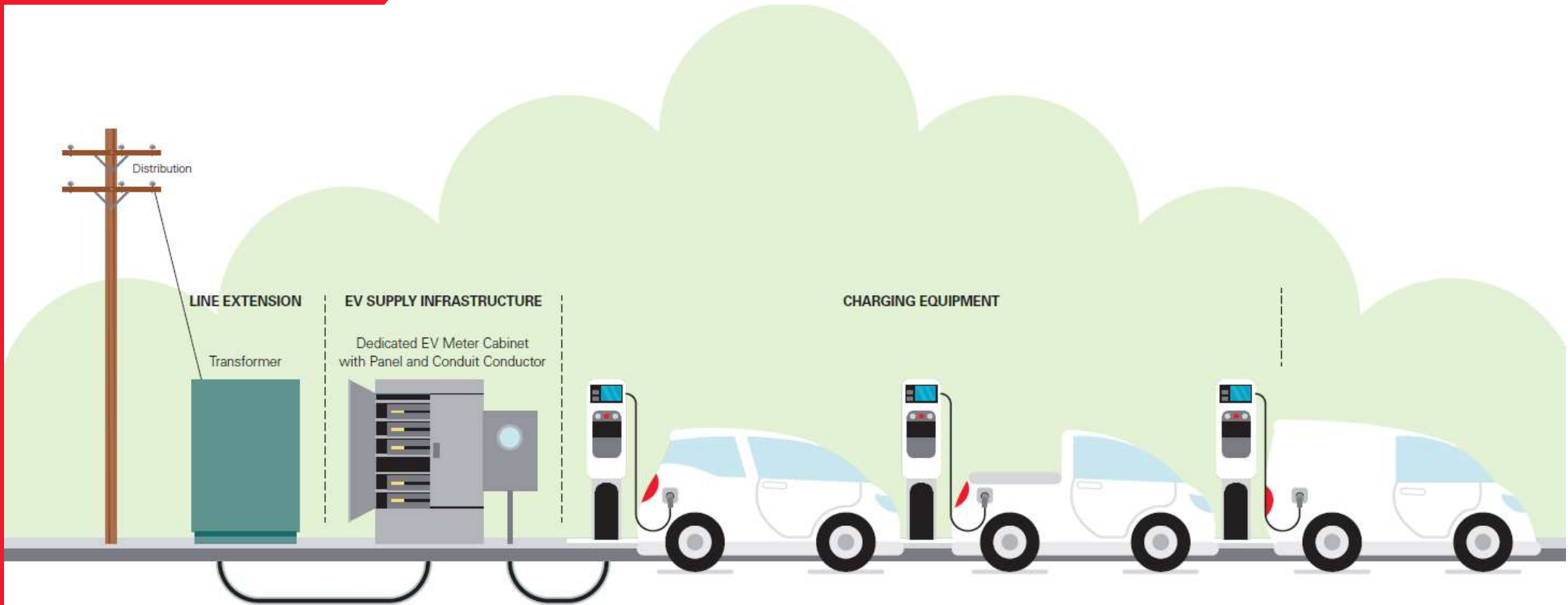
Program  
Application

Sign Agreement

Detailed  
Infrastructure  
Design

Construction

Commissioning



# Contact Info

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