



# Electric Vehicle Public Charging Needs Analysis

Online Open House



December 2025

# Welcome!

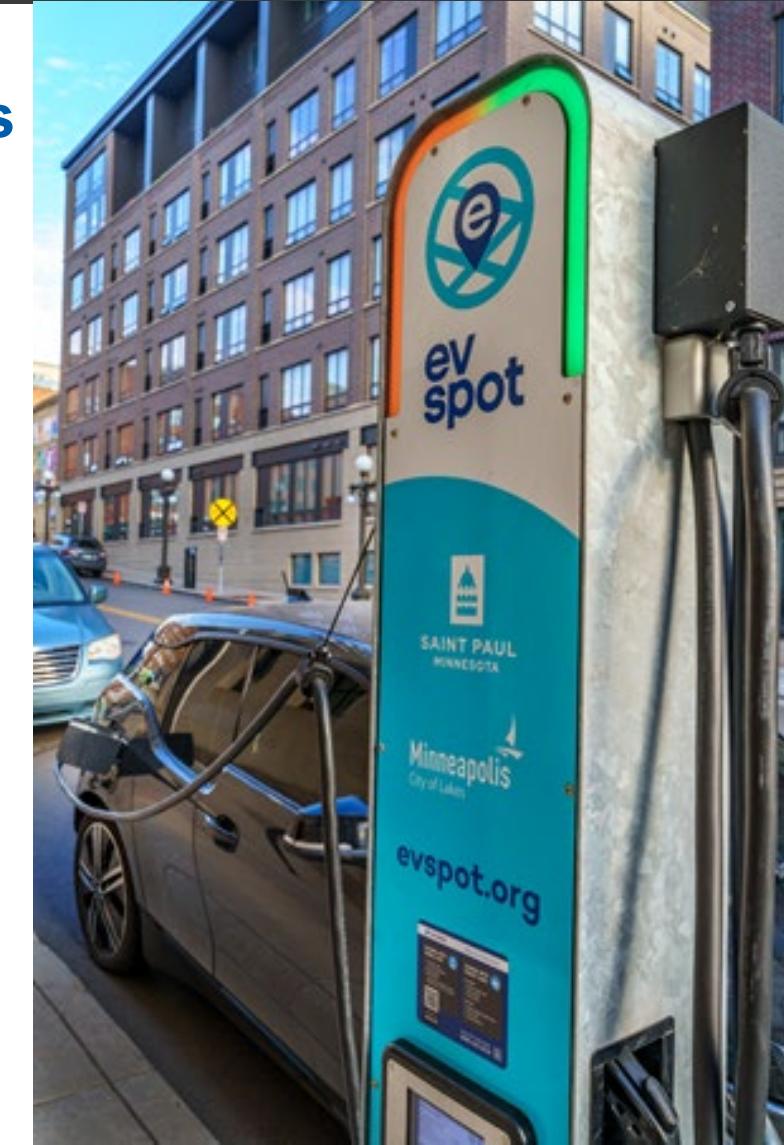
## Electric Vehicle Public Charging Needs Analysis

The Metropolitan Council is studying where public electric vehicle (EV) chargers are most needed in the Twin Cities region and how partners can help fill the gaps.

Your input will help decision-makers identify the charging needs and gaps in the region.

The project will ultimately create an interactive map prioritizing locations for public EV chargers to guide future investments.

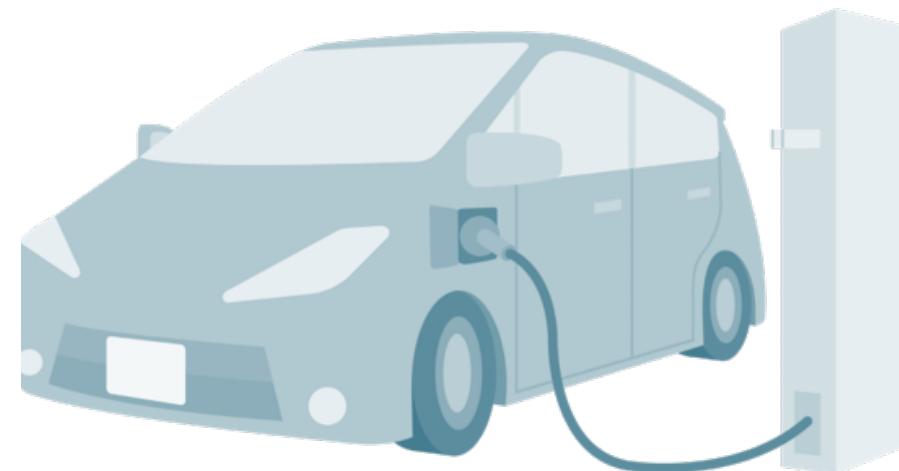
**More project details are on our [website](#)!**



# Why We're Doing This Study

**EV sales grew 25% worldwide from 2023 to 2024, and in the Twin Cities, electric vehicles<sup>1</sup> made up 6.7% of all new cars sold in 2024**

- EV use is growing in the Twin Cities as battery prices drop, more used EVs enter the market, and the HOURCAR Evie program expands affordable access
- Many residents can't charge an EV at home, especially people who are renters, live in multifamily housing, or live in older homes
- Existing public chargers are not evenly spread across the region and some areas do not have good access to public charging
- Reliable, convenient public charging is essential for broader EV use



<sup>1</sup>EVs including both battery electric and plug-in hybrid electric vehicles

# Met Council's Regional Goal



## Lead on addressing climate change

- Met Council has a regional goal to decrease greenhouse gas emissions
- Transportation is the largest source of greenhouse gas emissions in Minnesota
  - Most emissions come from gas- and diesel-powered vehicles
- Gas and diesel vehicles release harmful pollutants that affect air quality and public health
- Switching to EVs helps reduce these emissions

# What Are EVs?

**Powered by electricity rather than gasoline**



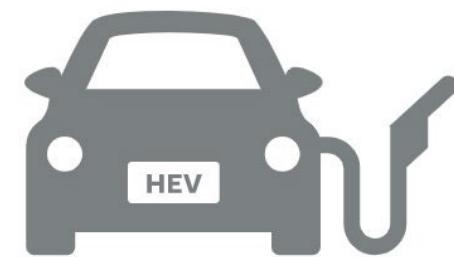
## **Battery Electric Vehicle (BEV)**

- Battery Power Only
- Typical Battery Range 250-400 miles



## **Plug-In Hybrid Electric Vehicle (PHEV)**

- Battery Power and Internal Combustion Engine
- Typical Battery Range 20-40 miles



## **Hybrid Electric Vehicle (HEV)**

- Internal Combustion Engine Only
- Battery Charges by Braking or Using Engine as a Generator

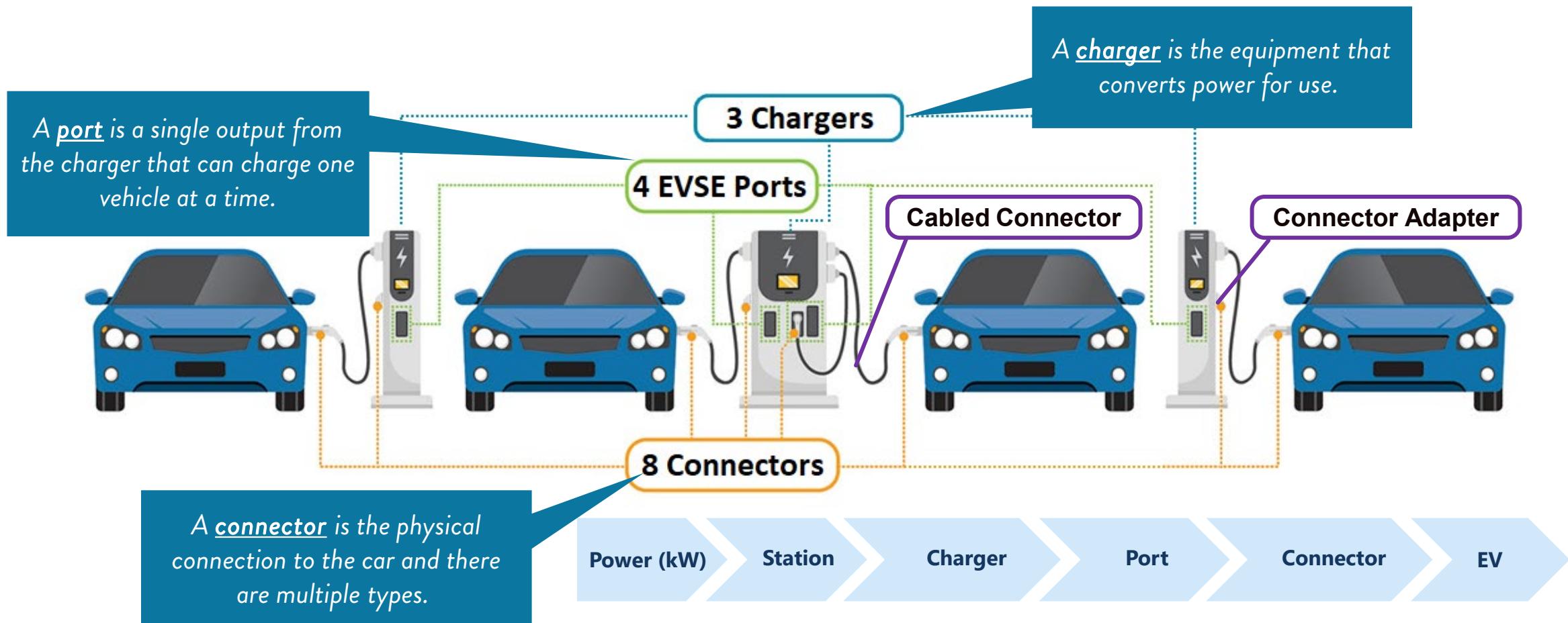
# What Are Public Chargers?



## Demand for public charging is growing

- There are generally 2 types of public EV chargers:
  - Level 2 chargers: Most common public chargers. Take 4-8 hours for full charge.
  - DCFC (Fast) chargers: Take 30-45 minutes for full charge. More costly to install.
- Public charging stations in the region are located in:
  - Communities: Curbside charging near existing or planned multifamily housing (less common)
  - Destinations: Parking lot charging near retail, shopping, transit stops, restaurants, grocery stores and workplaces (more common)

# Anatomy of a Charger



# Safety, Vandalism and Charger Damage

Local partners are working to address safety and vandalism at charging stations by:

- Requiring lighting at chargers
- Increasing security cameras and adding signage at stations to deter thieves
- Working with recycling centers to identify and prevent the sale of stolen copper from cables

Your feedback helps us identify locations with safety and maintenance issues

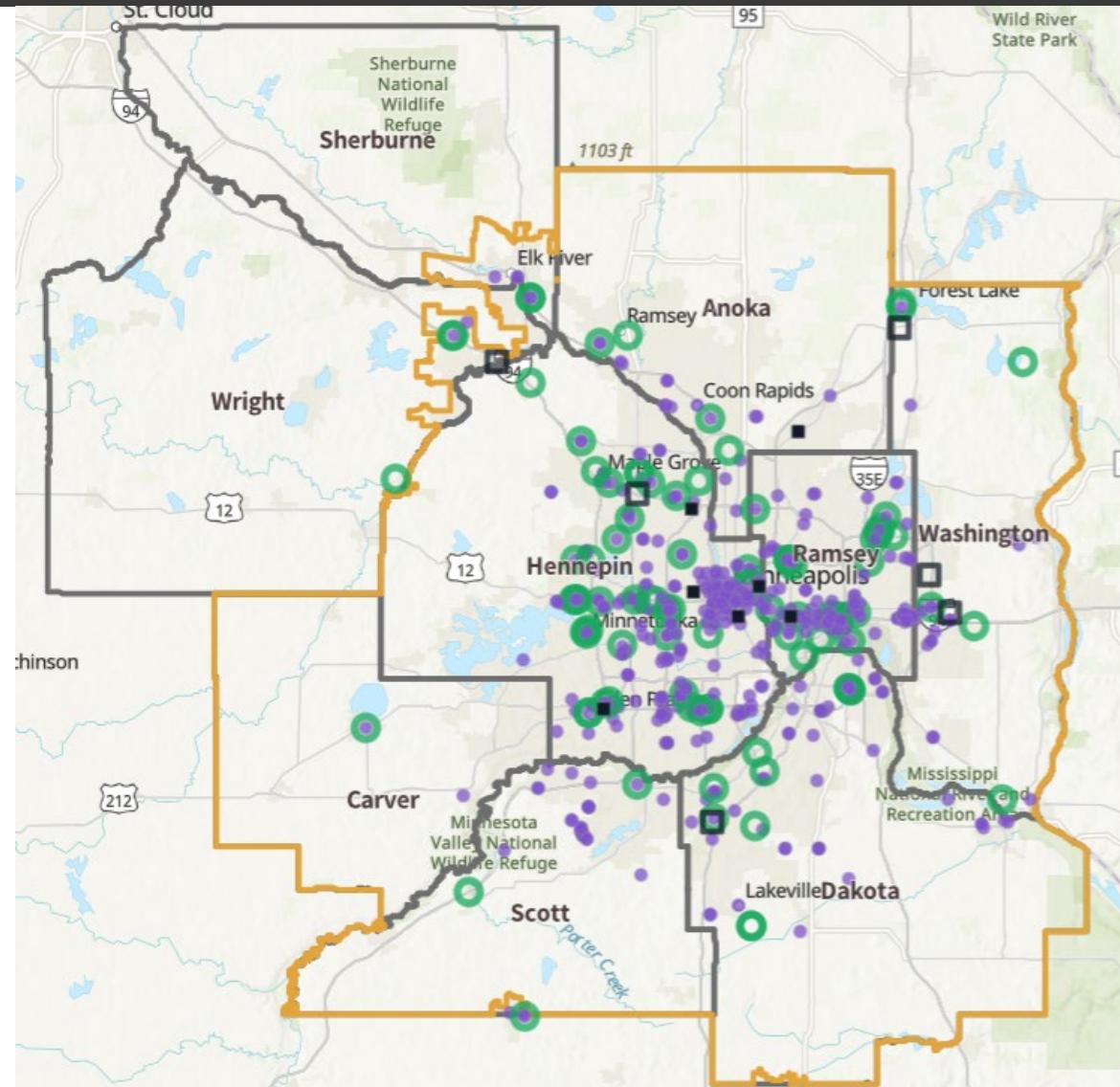


# Where is Existing Public EV Charging?

There are nearly 2,000 existing public charging ports in the region

[Click here to take a closer look at the map](#)

Planned Charging Stations
■ L2
□ DCFC
Existing Charging Stations
● L2
● DCFC
METC Boundary
■
METC Counties
■



# Your Input Matters

**Take our survey by January 9, 2026!**

Your response will help decision-makers prioritize locations for public charging in the Twin Cities region.

The survey takes about 5-7 minutes.

**Click here to begin the survey.**



# Thank You!

## For more information

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[Visit our website to stay tuned on project updates](#)

## Upcoming Schedule

- Friday, January 9, 2026 – Survey closes
- Spring 2026 – Decision-makers identify regional charging needs and gaps
- June 2026 – Complete interactive map of prioritized charging locations

If you need this information in an alternative format or language, contact:

- Si necesita esta información en un formato o idioma alternativo, póngase en contacto con:
- Haddii aad dooneyso in aad macluumaaadkan ku hesho siyaabo kale ama afaf kale, la xiriir:
- Yog koj xav tau cov lus no txhais uas lus hmoob lossis xav tau ib tus neeg pab txhais cov lus no rau koj, tiv tauj: 651-602-1500 | [public.info@metc.state.mn.us](mailto:public.info@metc.state.mn.us)