



**METROPOLITAN**  
C O U N C I L

Electric Vehicle Planning Study

Equity Advisory Committee

November 16, 2021

# Overall Project

- Why EVs?
- Project scope
  - Technical background and landscape
  - Prioritize Strategies for Metropolitan Council to accelerate EV adoption
- Council roles
  - Metro Transit
  - Contracted Services (e.g., Metro Mobility, Transit Link, Contracted Fixed Route)
  - Community Development
  - Long Range Transportation Planning
  - Regional Solicitation
  - Staff, studies, etc.

# Why study equity and electric vehicles?

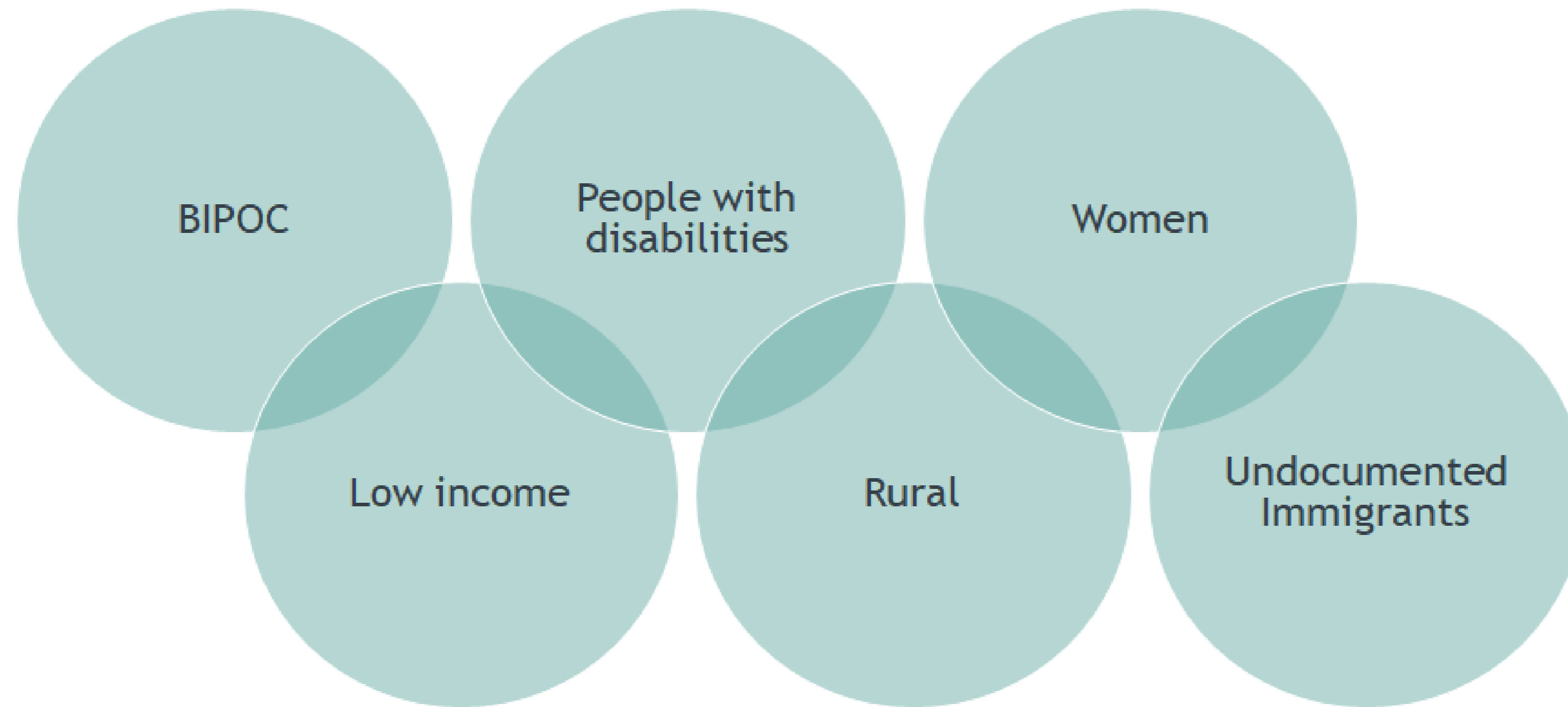
## Burdens

- BIPOC Minnesotans disproportionately impacted by emissions
- EV users predominately white, middle/upper income, male, urban
- Charging inadequate to serve BIPOC communities

## Benefits

- Reduced greenhouse gases and improved air quality
- Reduced operating and maintenance costs
- Billions of dollars will be invested in coming years

# We focus on intersecting groups and identities that face transportation barriers and burdens.



# Equity Analysis Steps



# Equity Analysis Steps



# How can EVs contribute to more equitable communities?

- 1) Planning and Research
- 2) Charging Infrastructure
- 3) Benefits and Burdens on the Public
- 4) Access and Use
- 5) Leadership and Community Engagement

# Equity Analysis Steps





# The interviewees put the findings in the context of our region.

## Planning and Research

- Met Council Planners
- City Planners

## Charging Infrastructure

- Affordable housing residents
- Affordable housing developers

## Public Benefits & Burdens

- Workforce development nonprofits
- Tribal representatives

## Access and Use

- HourCar
- Metro Mobility

## Community Engagement

- Neighborhood organizations
- Community organizers

# Equity Analysis Steps



# Highlights of findings

## Planning and Research

Use the regional planning process to build equity goals in relation to EVs

## Charging Infrastructure

- Provide grants to cities to install chargers in areas that will benefit disadvantaged communities

## Public Benefits & Burdens

- Create a metric for car sharing and greenhouse gas reduction in the regional solicitation

## Access and Use

- Fund a study for how to electrify Metro Mobility

## Community Engagement

- Fund BIPOC-led organizations to do engagement and participatory research

# Thank you!

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