

# Mesa Community Electric Vehicle Plan Update

Study Session  
May 25, 2023



# A Mesa Climate Action Plan Effort

- ▶ Vehicle electrification furthers three of the plan's aspirational goals:
  - ▶ Climate Ready Community
  - ▶ Renewable Energy
  - ▶ Carbon Neutrality
- ▶ A two-pronged vehicle electrification approach - Municipal and Community
- ▶ Must look to the community to make significant progress

# Community EV Plan

- ▶ Benchmark current Mesa community EV usage
- ▶ Solicit community feedback
- ▶ Identify and analyze data that impacts potential EV adoption and usage
- ▶ Apply for Federal Charging and Fueling Infrastructure Grant
- ▶ Ultimate goal: Identify EV gaps and provide potential opportunities to address them

# Current EV Usage

3,181

Mesa

40,740

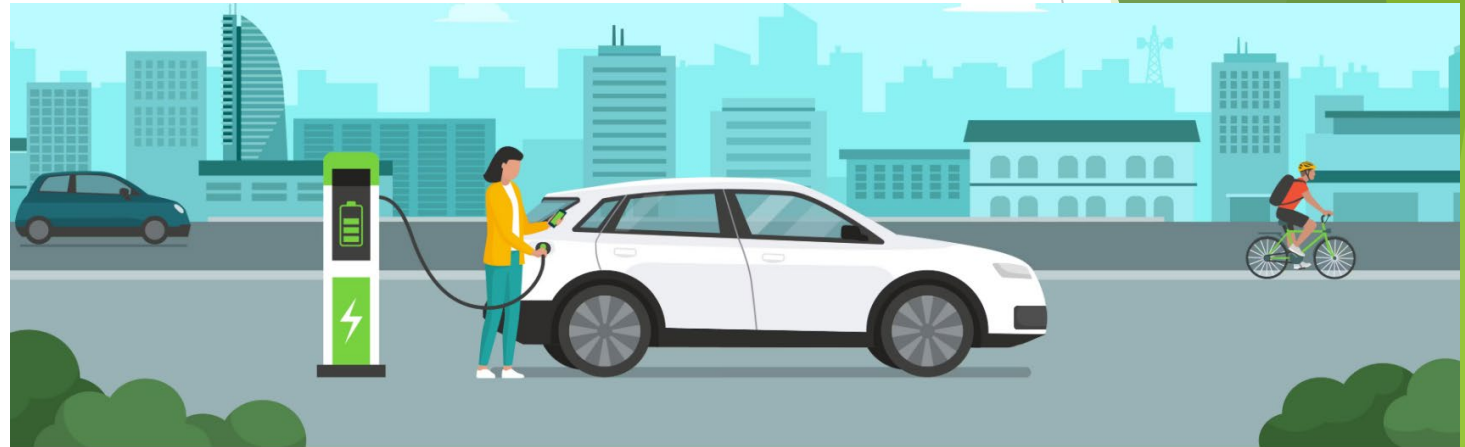
Arizona

6th

State by Share of EVs  
per 1k population

# Community Outreach

- ▶ Four Community Events
- ▶ Mesa Listens Page
- ▶ Survey, social media, interactive map
- ▶ Over 500 survey responses



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## Mesa Community Electric Vehicle Adoption Project



Mesa City Council, with the support of the community, adopted a [Climate Action Plan](#) with a key aspirational goal of carbon neutrality by the year 2050. Electrifying transportation and adopting electric vehicles (EVs) is an important strategy to achieve this goal.

For this reason, the City is undertaking the development of a Communitywide Electric Vehicle Adoption Master Plan. The Plan will help guide decisions on policy and infrastructure investments that accelerate the community transition to EVs.

This project page will serve as the central location for information about the plan as it is developed. Check back regularly for information about opportunities to share input and review findings and recommendations.

[Survey and Feedback Map](#)

[REGISTER](#) to get involved!

### Who's Listening

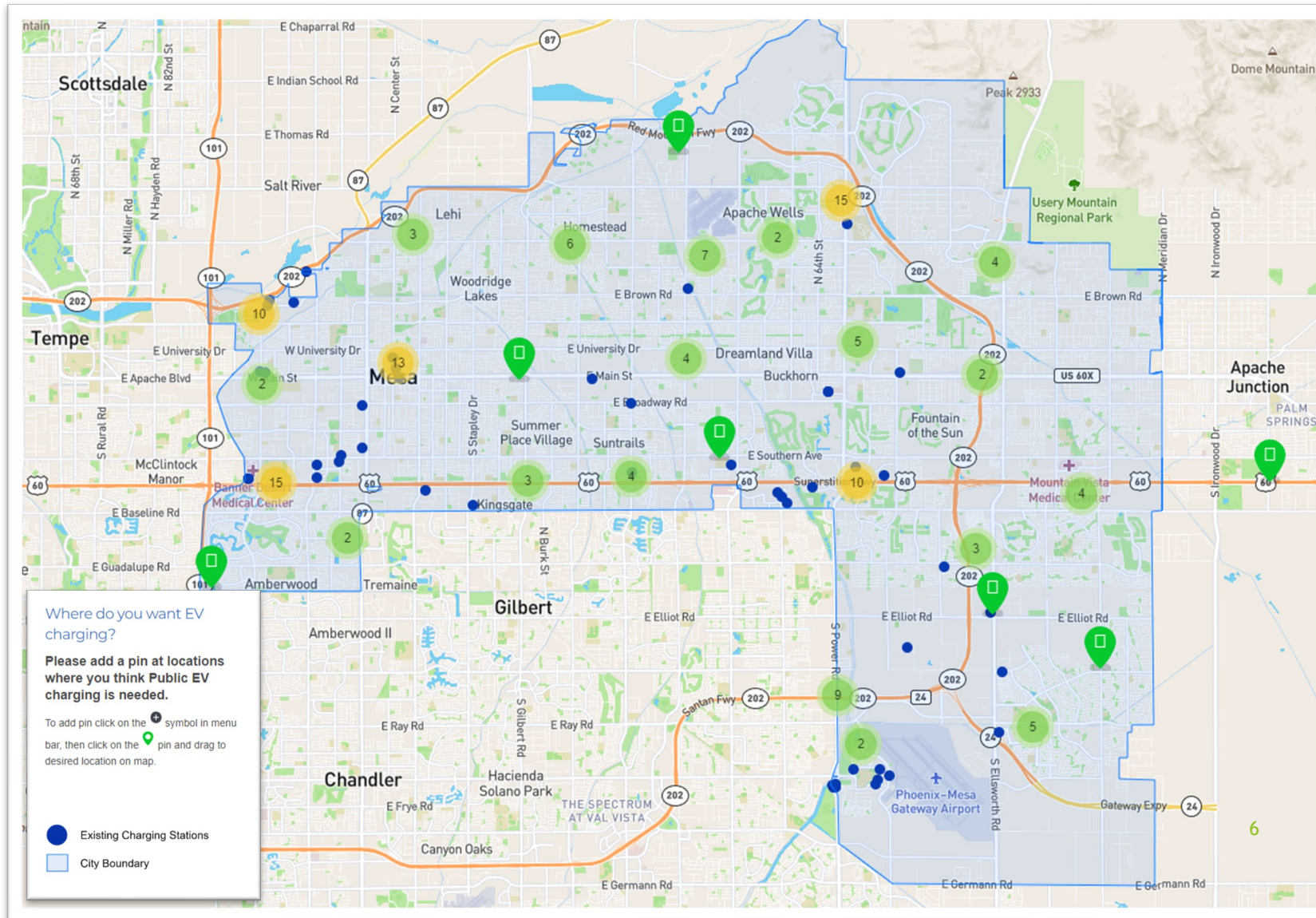
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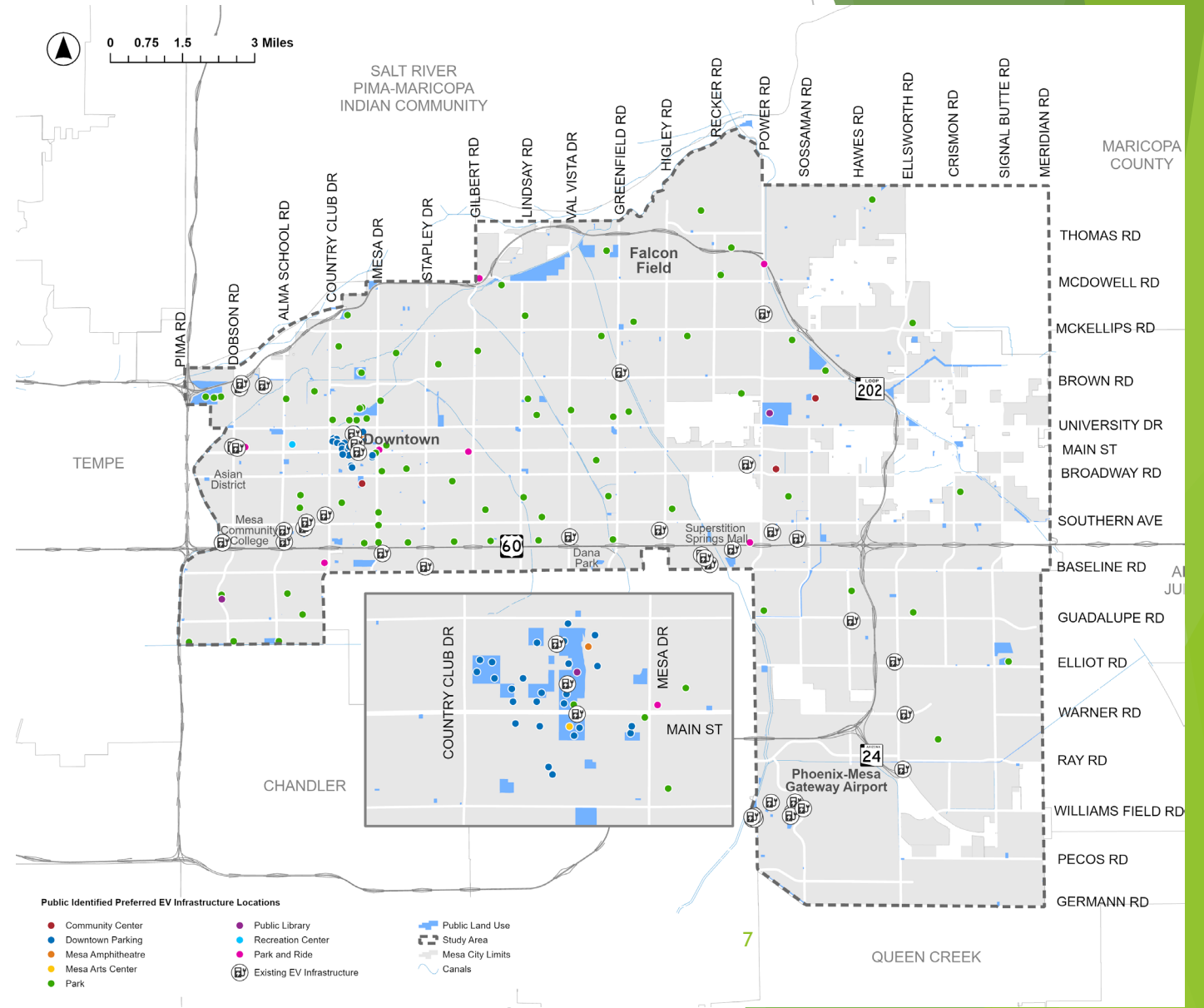


# Community Outreach



# Data Analysis

- ▶ Utility Infrastructure
- ▶ City-owned parcels
- ▶ Park-n-Rides
- ▶ Public Parking
- ▶ Parks
- ▶ Community/Recreation centers
- ▶ Existing charging

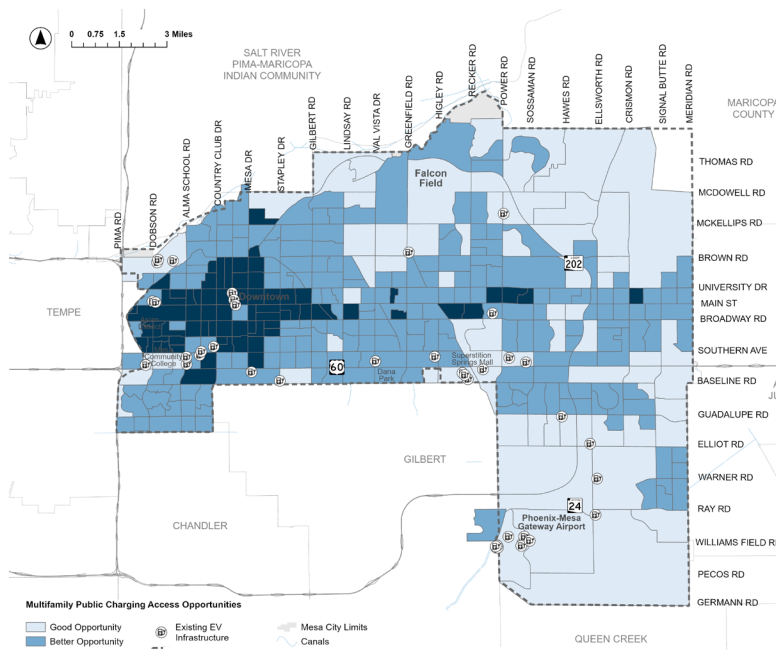


# Data Analysis

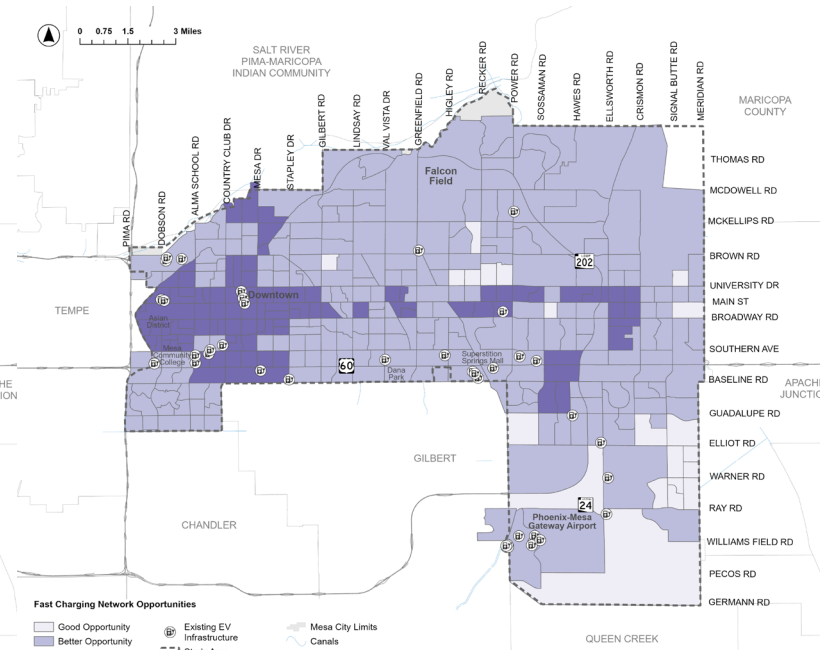
- ▶ Utility Service Areas
- ▶ Existing Infrastructure
- ▶ Population Density
- ▶ Multi-family Units
- ▶ Underserved Neighborhoods
- ▶ National Freight Network
- ▶ Land Use
- ▶ Employment Density
- ▶ Interstate Access
- ▶ Trip Volume



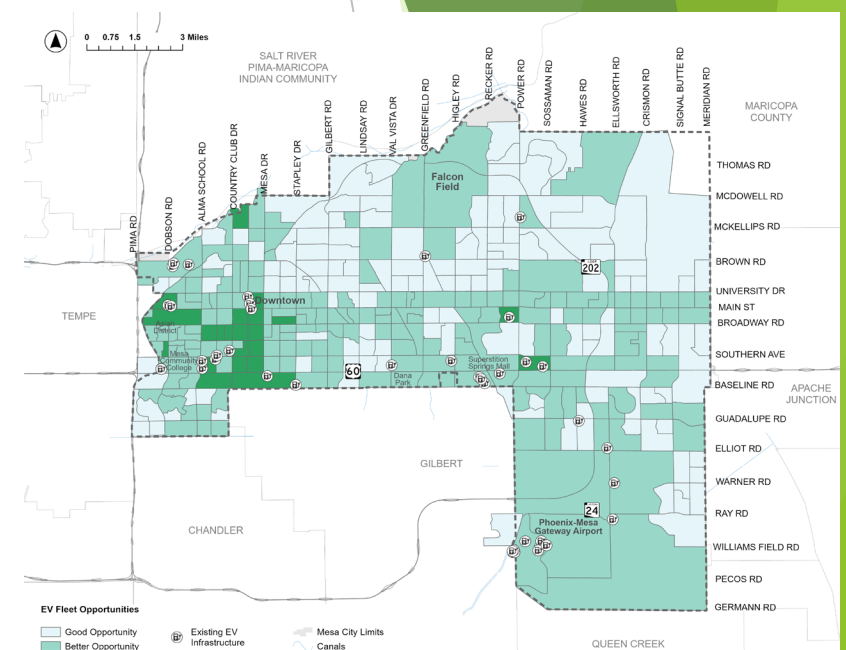
# Data Analysis



Multi-Family  
Emphasis



Fast Charging  
Emphasis



Public Fleet  
Emphasis

# CFI Grant Application



U.S. Department  
of Transportation

**Federal Highway  
Administration**

**The Charging and Fueling  
Infrastructure Discretionary  
Grant Program**

A competitive grant program to  
deploy publicly accessible EV  
charging and alternative fueling  
infrastructure.

\$500k to \$15 million per grant award

Applications must be submitted by  
**June 13, 2023**

# Next steps

- ▶ Continued data gathering and analysis
- ▶ Gap identification
- ▶ Proposed options
- ▶ Final report and presentation in September





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