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Arapahoe County Regional Electric Vehicle Action Plan

March 11, 2024



Source: Arapahoe County Government



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Source: Arapahoe County Government

TODAY'S OBJECTIVES

- Recap public process and what we heard from the public
- Review plan edits
- Allow time for comments and questions





Source: Partners in Energy

PUBLIC PROCESS

REGIONAL PLANNING
THROUGH XCEL ENERGY'S
PARTNERS IN ENERGY

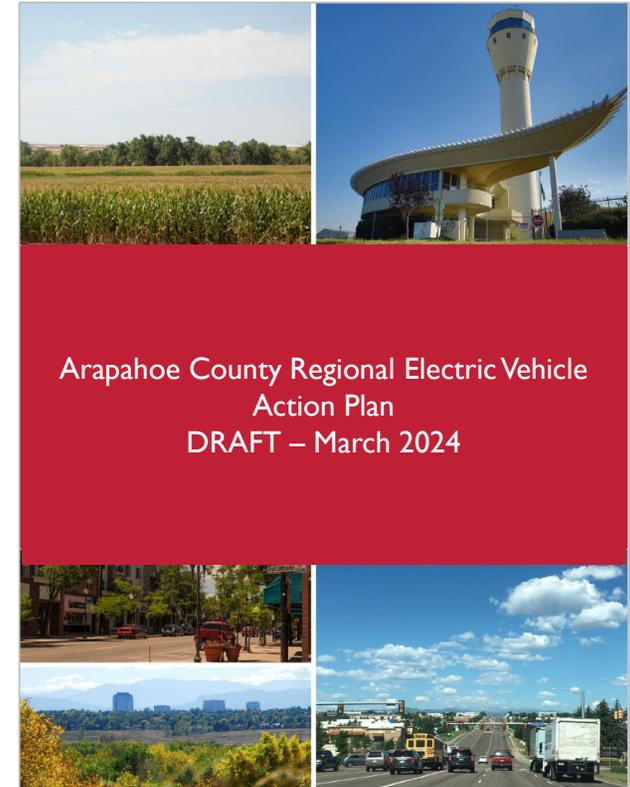
XCEL ENERGY'S PARTNERS IN ENERGY

- Partners in Energy is a collaboration with Xcel Energy to develop and implement energy and electric vehicle plan strategies with communities and regions.
- Opportunity to engage stakeholders, create goals and strategies, and develop a work plan for success.
- Through this process, stakeholders developed regional electric vehicle strategies for Arapahoe County communities and implementation is expected to begin in April 2024.



PLAN DEVELOPMENT PROCESS

- Developed through Xcel Energy Partners in Energy



PUBLIC FEEDBACK PROCESS RECAP

Virtual Public Event

- February 8, 2024
- Commissioners Campbell-Swanson and Baker spoke
- Presented plan process and draft plan
- Nearly 600 attendees
- Gathered feedback from participants with live survey questions and opportunity to ask questions

Public Comment

- Developed survey to collect feedback on the plan
- Opened comments on January 12th
- Closed comments on February 29th
- Over 65 survey responses
- Made revisions based on feedback



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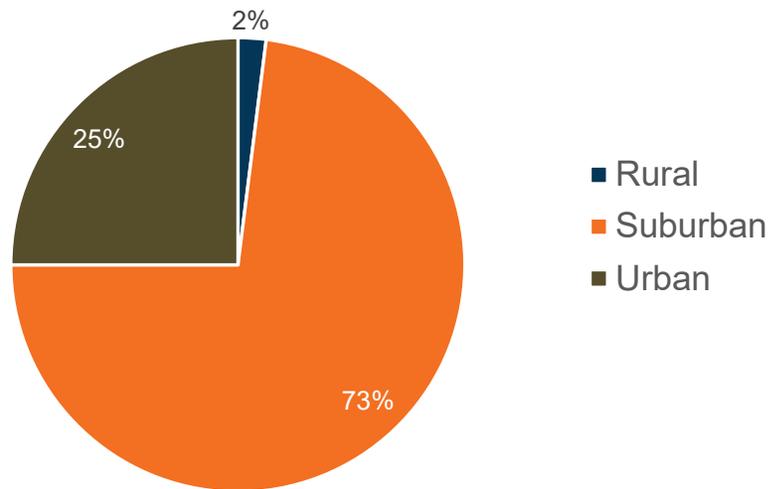
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REVIEW: WHAT WE HEARD

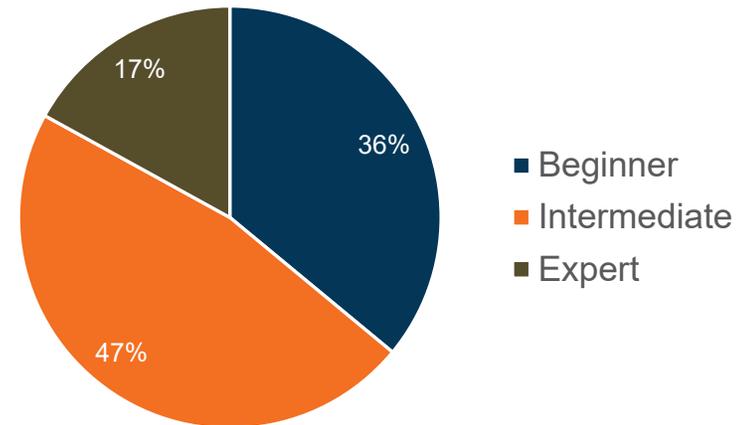
PUBLIC EVENT AND
RESULTS FROM PUBLIC
SURVEY

PUBLIC EVENT POLLING QUESTIONS RESULTS

Geographical area that best describes where you live in the county



How would you rate your EV awareness?



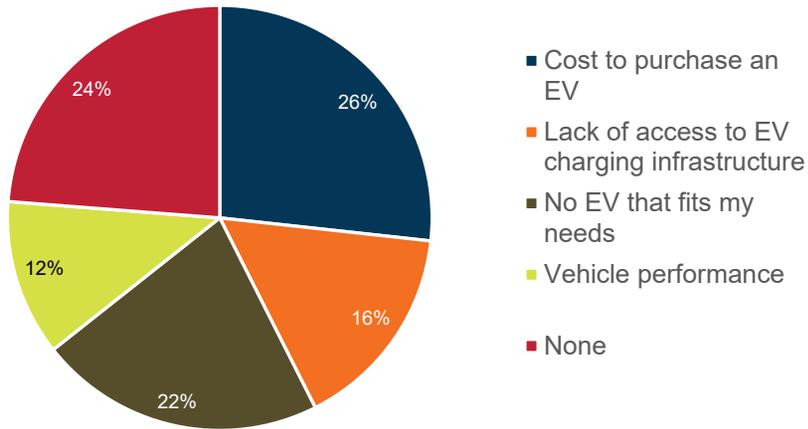
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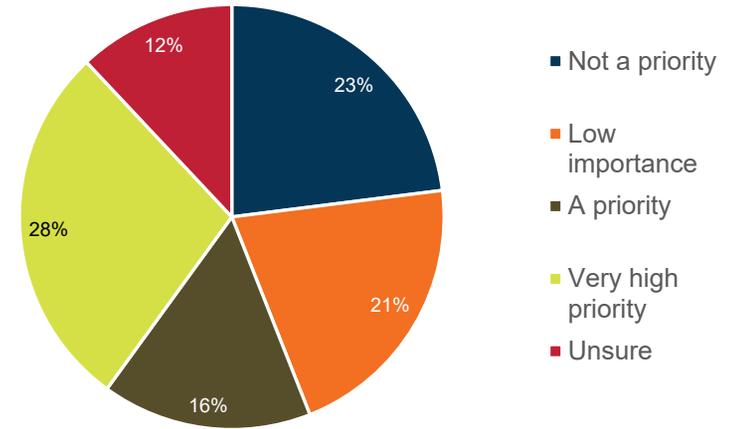
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PUBLIC EVENT POLLING QUESTIONS RESULTS

What is the biggest obstacle keeping you from leasing or owning an EV?



How important do you feel is it for local government to support electric vehicles?



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EVENT QUESTION TOPICS

EVs as one component of the overall transportation sector

- How electrified transportation is also part of transit and micromobility

Electric grid

- Capacity

Battery issues

- Manufacturing and recycling

Charging stations

- Different levels needed and business models



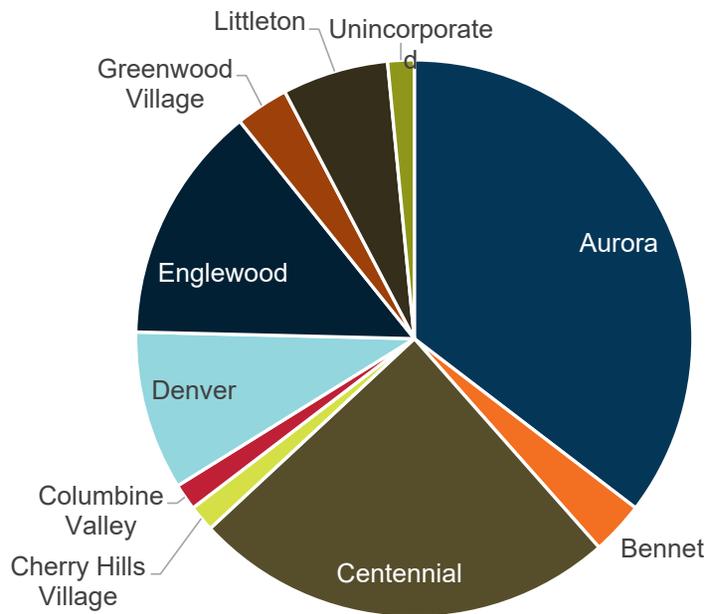
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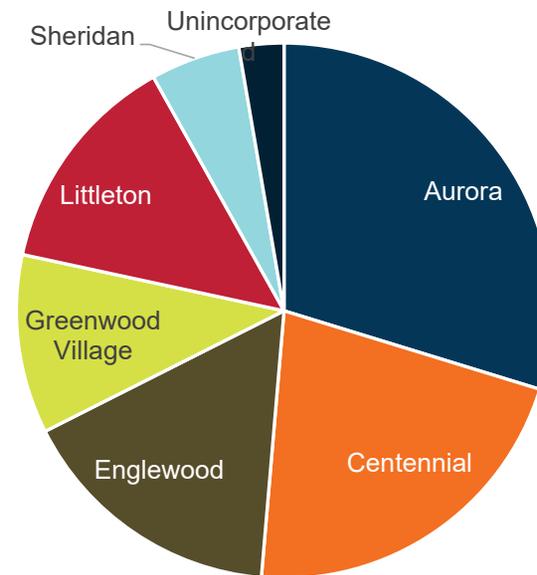
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SURVEY RESPONDENTS

Where Respondents Live



Where Respondents Work*



*Only includes those that indicated where they work. Some respondents do not currently work (i.e., retired) and did not list a location.



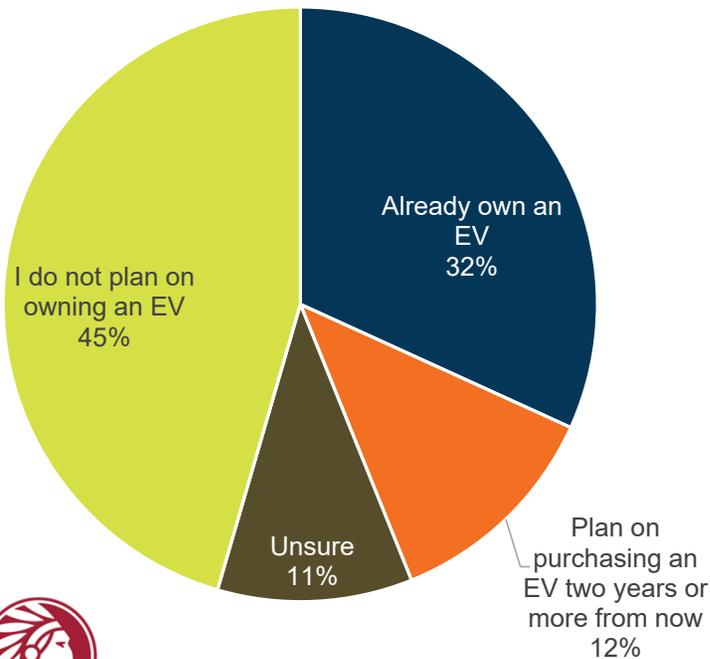
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EV OWNERSHIP AND BARRIERS

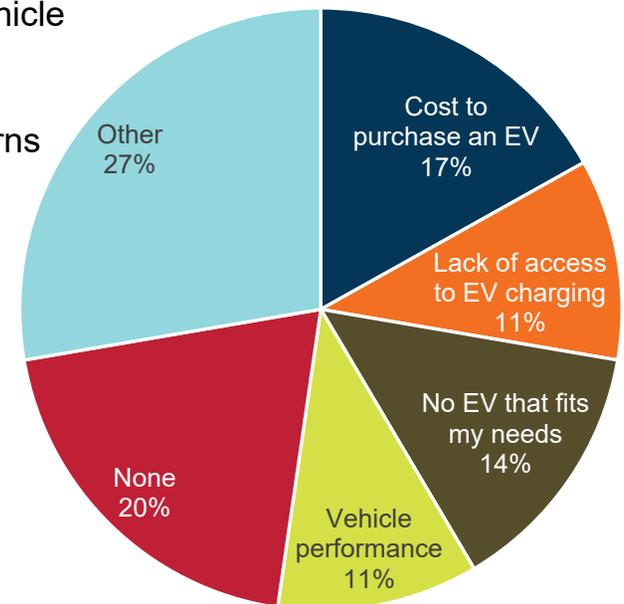
EV Ownership



“Other” responses

- not in market for vehicle
- don't drive enough
- battery concerns
- performance concerns

EV Barriers



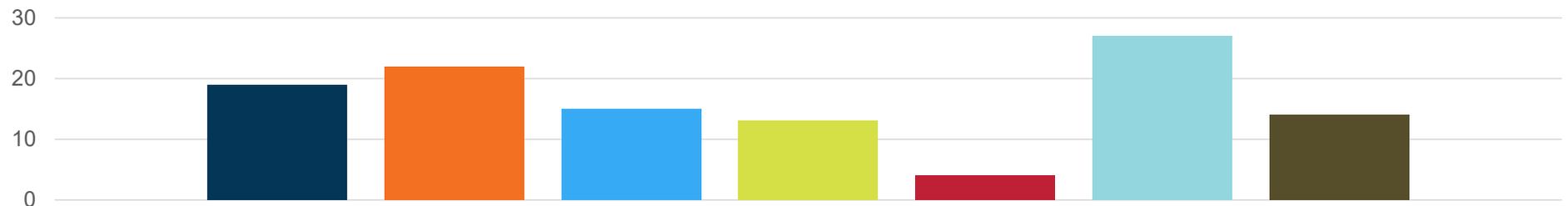
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WHAT WOULD ENCOURAGE YOU TO OWN OR LEASE AN EV?

What would encourage you to own or lease an EV? (select all that apply)



- Programs that reduce the cost of EVs (e.g., rebates, group buy discounts)
- More public charging stations around Arapahoe County (e.g., grocery stores, community centers, parks)
- Access to EV charging at my home
- Access to EV charging at my work
- More information about EV technology capabilities

“Other” responses

- More charging infrastructure in general
- Charging at destinations, in the mountains
- Charging at workplaces
- Charging at park and rides
- Charging at multifamily buildings

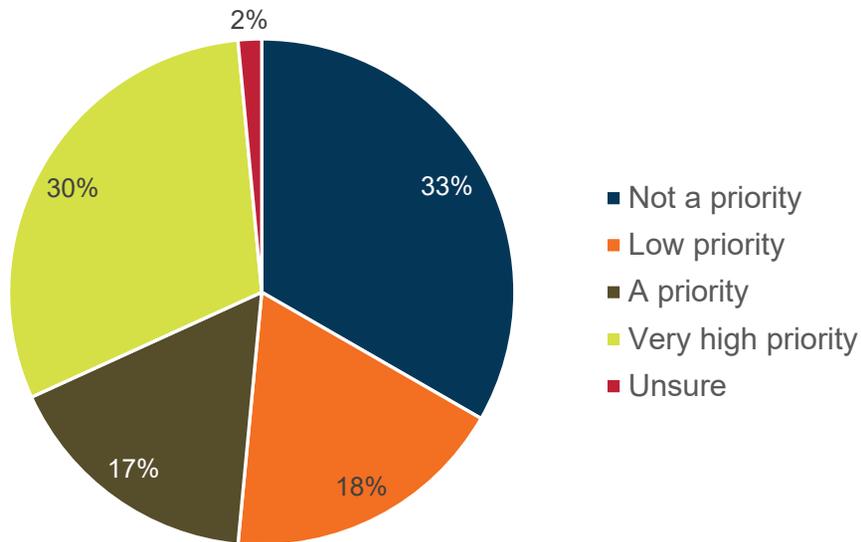


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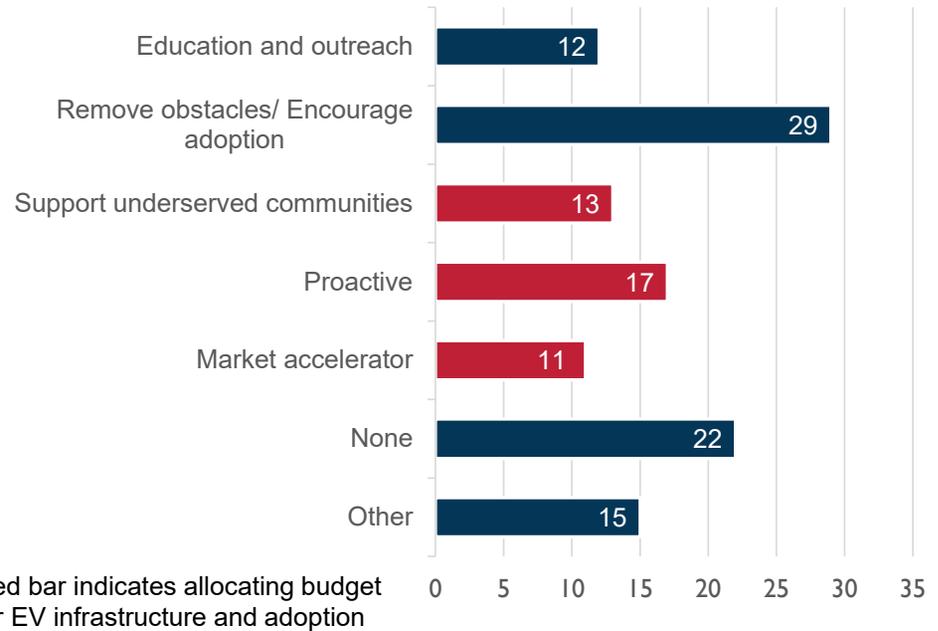
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WHAT IS THE PRIORITY FOR ELECTRIFYING THE TRANSPORTATION SYSTEM?



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COUNTY GOVERNMENT'S ROLE IN ELECTRIFIED TRANSPORTATION?



GENERAL THEMES FROM COMMENTS

Need to define: “public charging station”

The County should be supporting EVs to improve air quality.

The Plan describes the status of EV adoption and State projections and needs for EVs and charging infrastructure.

Also focus on other choices for transportation modes and impacts: transit and the frequency, e-bikes, bike paths, commute time.

The Plan’s Electric Multimodal Transportation focus area supports the County’s other transportation efforts such as the County’s Transit and Micromobility Study.

The County should not be spending resources on EVs.

The Plan calls for private sector support to install public EV charging infrastructure and identifies federal and state funding opportunities to reduce or eliminate installation costs.

Focus on providing cost-effective infrastructure at locations where Arapahoe County residents would like chargers.

The Public Charging focus area incorporated additional criteria for mapping from comments.



Source: Arapahoe County Government

ARAPAHOE COUNTY REGIONAL ELECTRIC VEHICLE ACTION PLAN EDITS

WHAT CHANGED IN THE
PLAN?

REGIONAL ELECTRIC VEHICLE ACTION PLAN OVERVIEW

Executive Summary

- Narrative summary of the plan.

Introduction

- Case for a regional transportation electrification plan.

Where We Are Now

- Outlines current levels of EV adoption and public charging, along with other existing efforts.

Where We Are Going

- Vision and EV adoption and EV charger projections.

How Do We Get There

- **Strategies and implementation details** – denotes high level plan with costs to be determined as part of implementation.

How We Stay On Course

- Outlines how the City will track progress toward Arapahoe County's EV vision, and how it will adapt to a changing landscape during implementation.

Appendices

- Electric Vehicles 101, Arapahoe County EV Baseline, **Supplemental Information, Public Feedback Process**, Works Cited.



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PLAN EDITS AND ADDITIONS

Public charging

- Defined public charging station as a station that is publicly accessible

Additions from comments

- Outreach and education materials (debunking myths, information on qualified installers and training topics)
- Public charging criteria - safety features (e.g., lighting, cameras)
- Engage disability advocates and organizations in electric multimodal transportation strategies

County staff added to the supplemental report

- New section on guardrail impacts, lack of noise from EVs, car insurance impacts





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PLAN
IMPLEMENTATION
HOW WILL WE ACHIEVE OUR
GOALS?

IMPLEMENTATION ROLES – A COLLABORATIVE APPROACH



PARTNERS IN ENERGY IMPLEMENTATION SUPPORT



Project Management

Facilitating meetings
Following up on action items



Technical Expertise

Best practice research
Monitoring funding
Connecting to Xcel Energy EV
program managers



Joint Marketing and Outreach

Customizing and distributing
materials



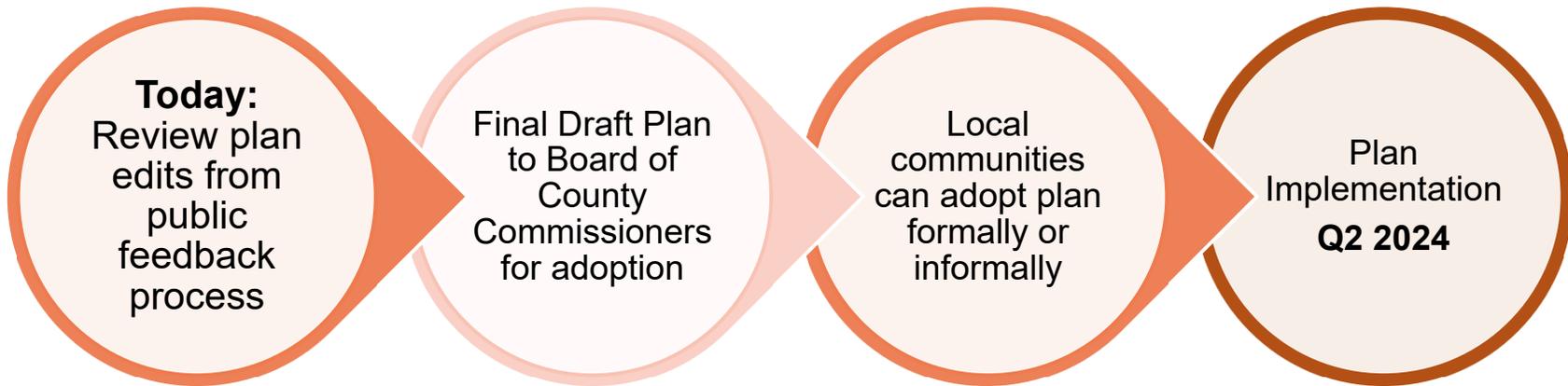
Tracking and Reporting Progress Toward Metrics

Informing potential plan
adjustments



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NEXT STEPS



- Incorporated feedback from additional comments

- **Community involvement**
 - Reach out to your local government to learn more



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QUESTIONS?