



Fresno County Rural Transit Agency

Transit Roadmap and EV Charging Plan

Advisory Committee Meeting | 4.14.26

Study Purpose:

- Enable FCRTA to meet State requirements for zero-emission transit service
- Modernize operations to provide better service and amenities to riders



Reedley Bus stop

Agenda

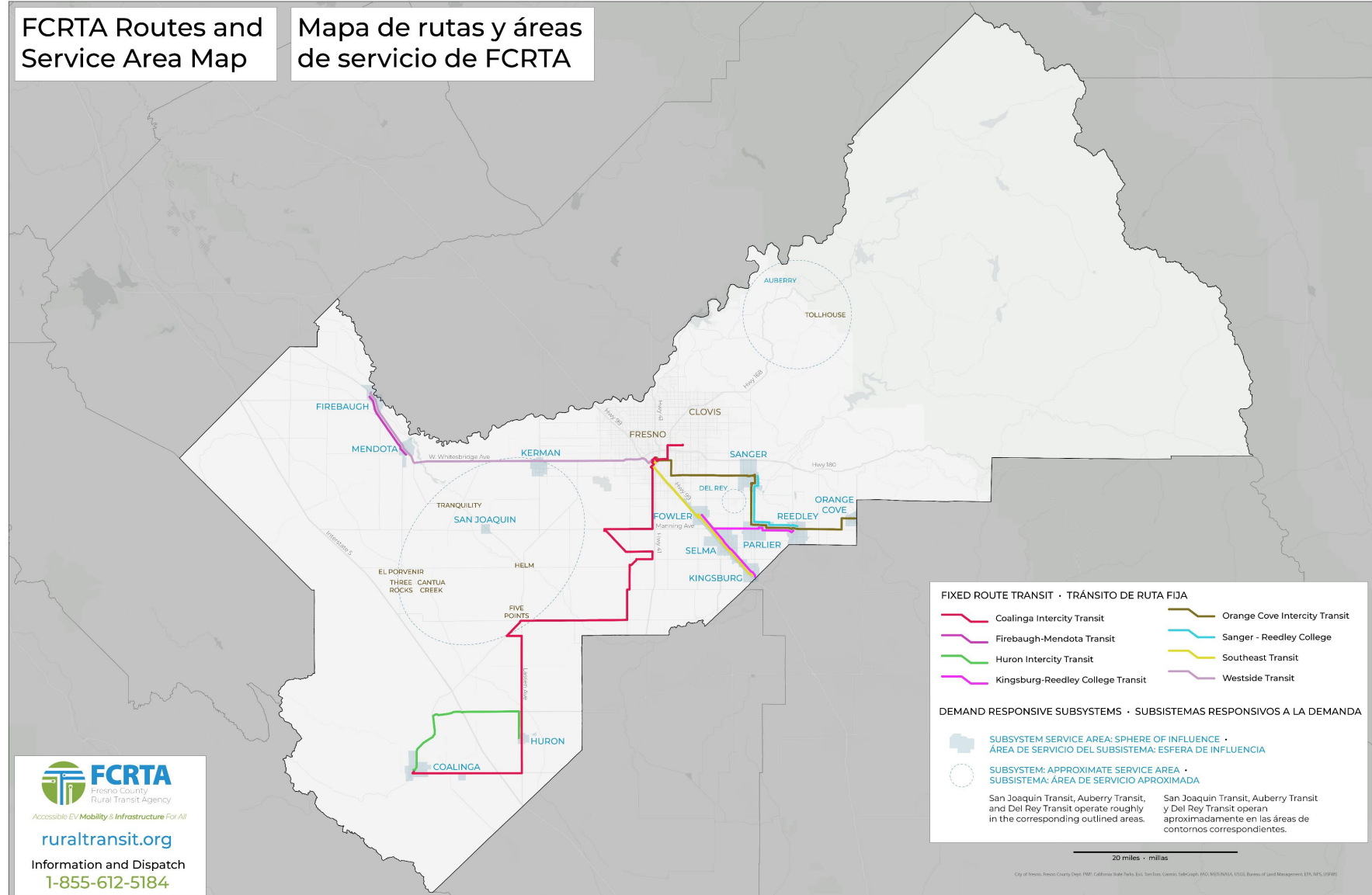
1. Welcome and Introductions
2. Background and Purpose
3. EV Charging and EMS Plan
4. Transit Roadmap Study
5. Discussion



FCRTA Background

Fresno County Rural Transit Agency

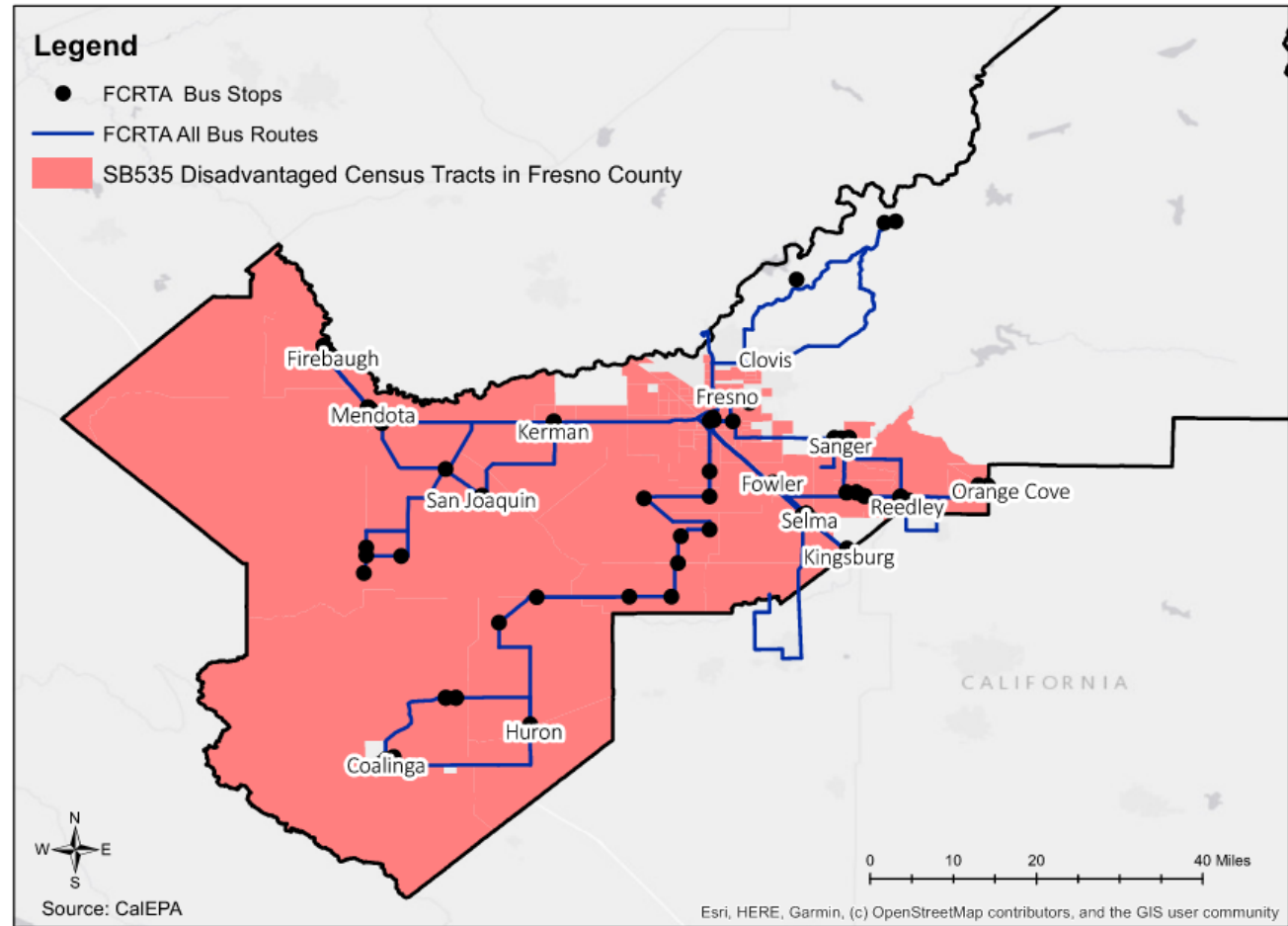
- Serves rural communities of Fresno County
- Demand response
- Fixed-route
- Rural Transit dial-a-ride service
- 13 incorporated cities
- 39 unincorporated communities



FCRTA
Fresno County Rural Transit Agency
Accessible EV Mobility & Infrastructure For All
ruraltransit.org
Information and Dispatch
1-855-612-5184

FCRTA Service Area

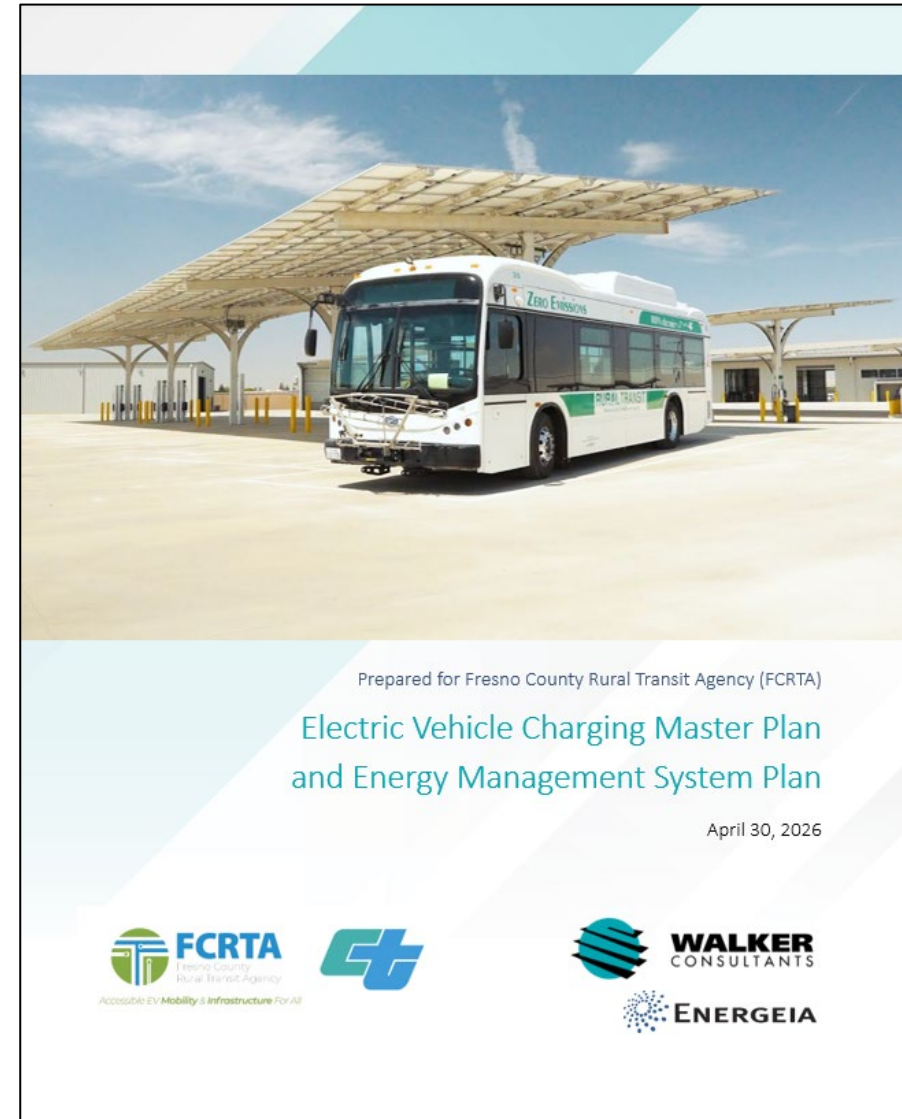
- Most communities in the service area are disadvantaged with economic hardship, high levels of air pollution, and environmental health risks
- Significant transit-dependent population



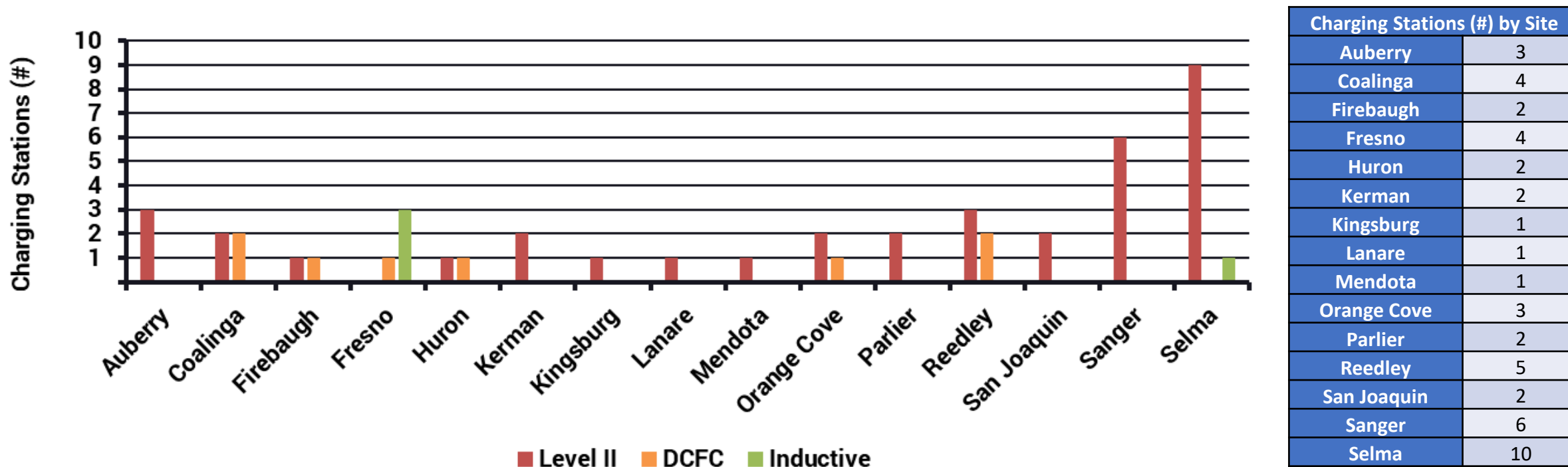
EV Charging Master Plan and EMS Plan

EV Charging Master Plan and EMS Plan Overview

- FCRTA will finalize its EV Charging Master Plan and Energy Management System (EMS) Plan by the end of April
- Plan defines fleet charging requirements to support full electrification across FCRTA's service area
- Establishes planning-level capital costs and key cost drivers to support funding and capital investment decisions
- Demonstrates the role of managed charging and EMS in reducing costs and ensuring reliable operations
- Provides a technical foundation that directly informs the service analysis in the broader Transit Roadmap



Fleet Charging Infrastructure Needs



- Chargers sized based on operations, with most sites requiring a small number of chargers and a few key hubs (Reedley, Selma, Sanger, Fresno) supporting higher capacity needs
- Prioritize Level 2 charging for overnight depot use, with targeted DC fast charging and inductive deployment to support higher mileage routes and fixed route operations

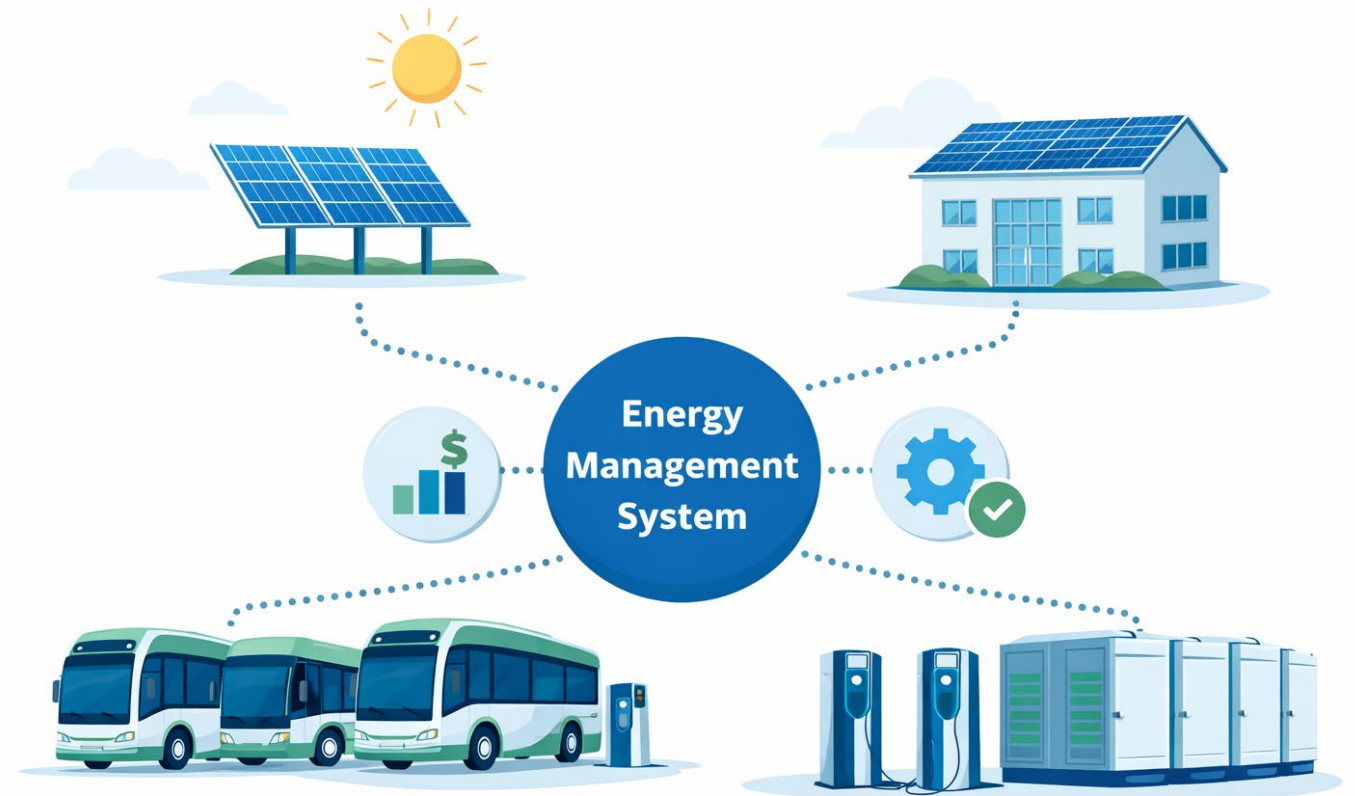
Fleet Charging Cost Estimates and Prioritization

- Planning-level costs estimated by site, with investments driven primarily by:
 - Electrical service
 - Conduit and trenching
 - Site infrastructure
- Identified larger sites such as Fresno, Reedley, and Coalinga as primary capital cost drivers, reflecting higher power needs and more complex infrastructure requirements
- Prioritized deployment based on:
 - Total fleet charging demand
 - Fixed route vehicle deployment
 - Funding opportunities
 - Grid integration feasibility
 - Integration with parallel capital projects

Site	Charging Equipment	Conduit & Trenching	Switchgear & Electrical Services	Site Infrastructure	Total Cost Range
Reedley	\$180–\$220,000	\$200–\$240,000	\$275–\$300,000	\$120–\$160,000	\$775–\$920,000
Fresno	\$2.6–\$3.0M	\$200–\$300,000	\$575–\$750,000	\$1.3–\$1.6M	\$4.7–\$5.6M
Coalinga	\$150–\$190,000	\$170–\$230,000	\$100–\$150,000	\$240–\$300,000	\$660–\$870,000
San Joaquin	\$25–\$40,000	\$30–\$55,000	\$35–\$65,000	\$30–\$55,000	\$140–\$215,000
Parlier	\$25–\$40,000	\$30–\$55,000	\$35–\$65,000	\$30–\$55,000	\$140–\$215,000
Orange Cove	\$150–\$190,000	\$170–\$230,000	\$100–\$150,000	\$240–\$300,000	\$660–\$870,000
Huron	\$150–\$190,000	\$170–\$230,000	\$100–\$150,000	\$240–\$300,000	\$660–\$870,000
Sanger	\$55–\$80,000	\$65–\$95,000	\$40–\$65,000	\$90–\$125,000	\$250–\$365,000
Firebaugh	\$145–\$185,000	\$160–\$220,000	\$95–\$145,000	\$225–\$290,000	\$625–\$840,000
Auberry	\$30–\$45,000	\$30–\$50,000	\$35–\$60,000	\$45–\$70,000	\$140–\$225,000
Kerman	\$25–\$40,000	\$30–\$55,000	\$35–\$65,000	\$30–\$55,000	\$140–\$215,000
Mendota	\$25–\$40,000	\$30–\$55,000	\$35–\$65,000	\$30–\$55,000	\$140–\$215,000
Kingsburg	\$20–\$35,000	\$30–\$55,000	\$35–\$65,000	\$30–\$55,000	\$135–\$210,000
Lanare	\$20–\$35,000	\$30–\$55,000	\$35–\$65,000	\$30–\$55,000	\$135–\$210,000

Energy Management System Plan

- Centralized monitoring and control software for charging, fleet, and energy assets
- Able to optimize charging to reduce costs and ensure vehicle readiness
- Integrates grid connection, solar, and battery storage for efficient and resilient operations
- Researched and analyzed EMS features and requirements to enable centralized monitoring of infrastructure and energy resources at charging sites
- Technical specification and system requirements will be used to inform FCRTA EMS procurement document



Transit Roadmap

Transit Roadmap Objectives

- ✓ Identify gaps in transit service
- ✓ Identify opportunities to bring new riders to the system
- ✓ Increase awareness of FCRTA services
- ✓ Establish a marketing and communication strategy
- ✓ Evaluate financial conditions and evaluate potential constraints (e.g. Measure C renewal)
- ✓ Transition to zero-emission vehicles
- ✓ Technology to improve rider experience (e.g. online booking)
- ✓ Gather feedback from the community and stakeholders

Transit Roadmap Work Plan

Task 1: Existing Conditions

Review Transportation and Planning Documents

Study Area Characteristics

Review of FCRTA service

Review of current technology

Review of FCRTA's existing transit systems and services

Origin/Destination analysis

On-board surveys

Financial analysis - current funding sources

Deliverable: Summary of Existing Conditions

Task 2: Transit Analysis

Peer Analysis - 3 agencies

SWOT, Goals, Objectives, and Performance Targets

Transit Service Profiles

High-Level Facilities Assessment

Alternatives Development and Evaluation

Capital and Operations Costs, and funding sources

Technology Assessment

Technology Implementation Plan

Marketing and Communication

Partnership Structures for ongoing marketing

Deliverable: Transit Roadmap Strategies Presentation

Task 3: Public Outreach

Stakeholder meetings and focus groups

Community survey

Project Website

Community pop-up events

Deliverable: Public outreach findings presentation

Task 4: Advisory Committee Meetings

Advisory Committee meetings (4)

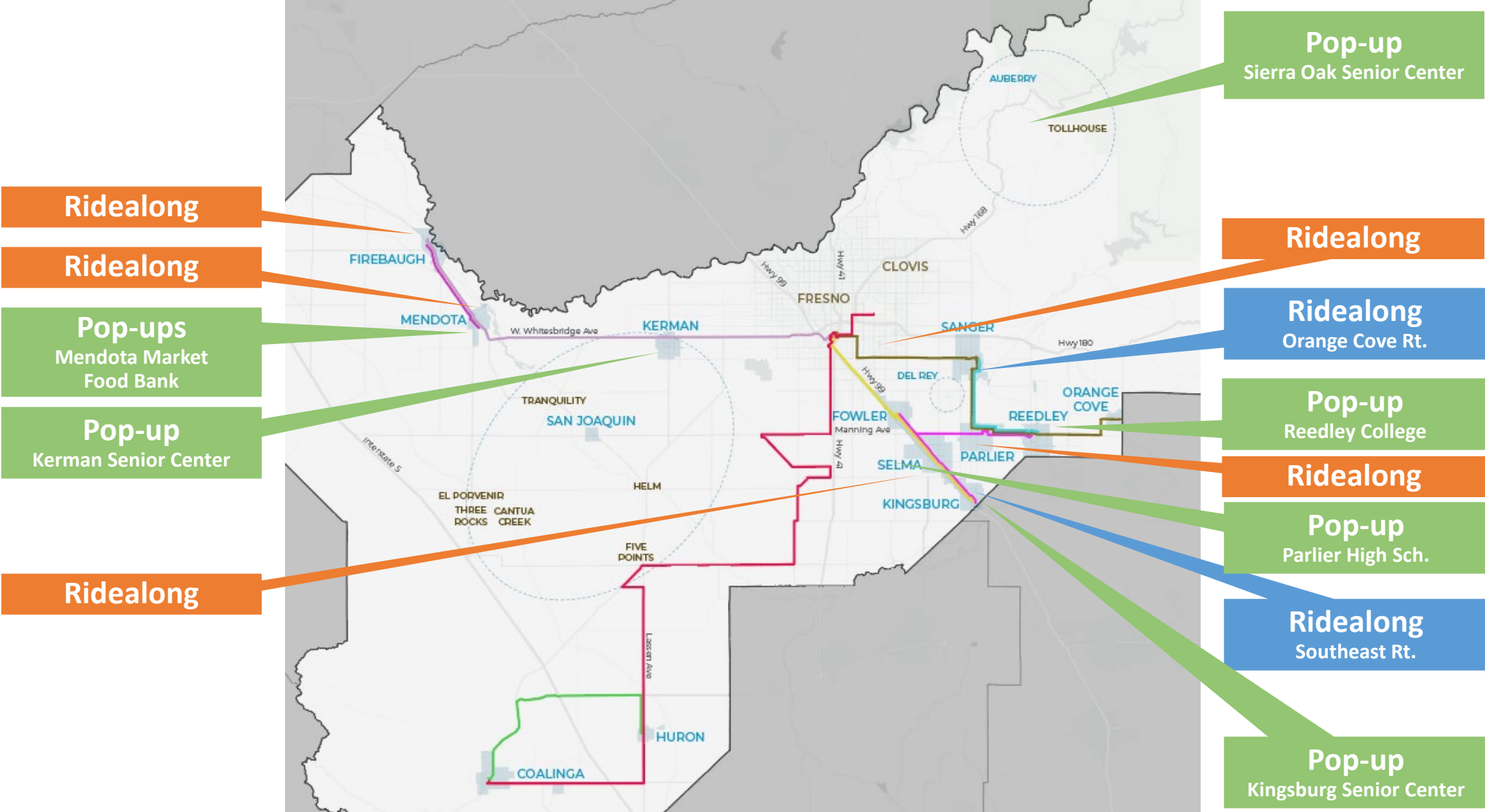
Task 5: Draft and Final Plan

Develop Draft FCRTA Transit Roadmap

Final FCRTA Transit Roadmap

Task 6: Board Review and Approval

March 2026 In-Person Outreach Activities



Pop-Ups: March 2026



Mendota Open Market



Reedley College Safari Days

Survey Promotion

- March - mid May 2026
- ~140 responses to-date
- On buses and shelters
- All pop-up locations
- Shops and boards in Firebaugh, Mendota, Selma, Parlier, Auberry, Kingsburg, Reedley
- Upcoming: Email blast
- Via Advisory Committee

FCRTA desea saber su opinión para dar forma al futuro de los servicios de transporte rural

FCRTA wants your feedback to shape the future of rural transit services

ruraltransit.org



The Fresno County Rural Transit Agency (FCRTA) is working on a plan for its future routes, services, technology, payment systems, rider information, and other services.

La Agencia de Tránsito Rural del Condado de Fresno (FCRTA) está desarrollando un plan para sus futuras rutas, servicios, tecnología, opciones de pago, información a los pasajeros y otras ofertas.

TAKE THE SURVEY • RESPONDA A LA ENCUESTA

<p>ENGLISH</p> <p>tinyurl.com/FCRTAsurvey</p> 	<p>ESPAÑOL</p> <p>tinyurl.com/EncuestaFCRTA</p> 
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Input So Far

Positives and Usefulness

- High satisfaction among regular riders – reliable, friendly/professional service
- Popular destinations: senior centers, grocery/errands, medical, school trips
- Affordable
- Service hours, especially on-demand, match most people's trip needs

Room for Improvement

- Low awareness of FCRTA in some communities
- People want higher frequency
- Signage at stops/stations
- Legibility of schedules and fares

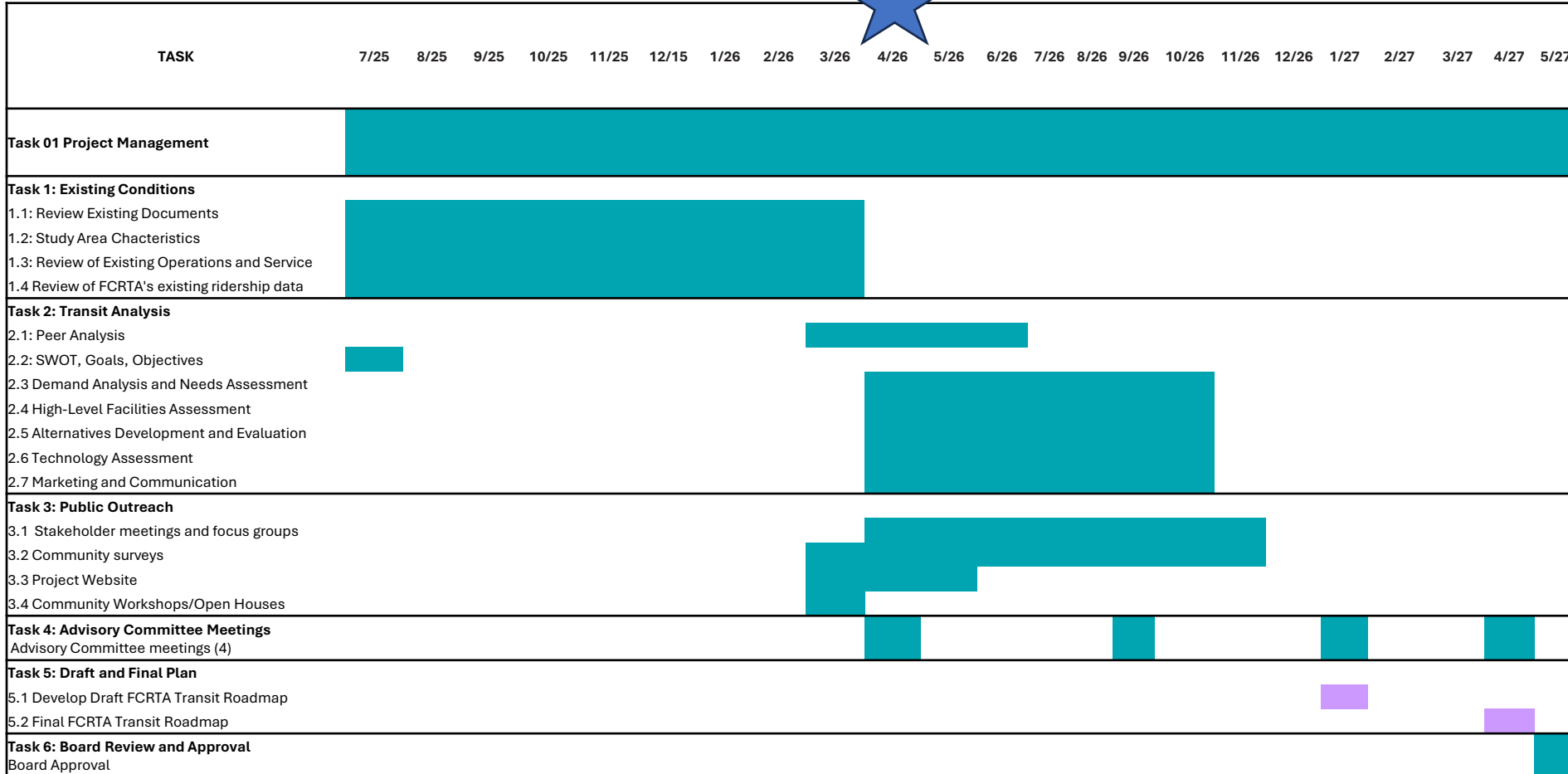
Need more Feedback about

- Fare payment methods and compliance
- On-demand pickup time window certainty (e.g. is the bus in 5 or 25 minutes?)
- User interest in online booking, apps, digital tools
- On-board personal items: grocery carts, pets
- Service hours – would there be demand for evening and weekend service?

Online Stakeholder Meetings: through Summer 2026

- Local high schools
- Local colleges
- Local senior centers
- MV Transit Operator
- FCRTA staff and maintenance staff
- Fresno Area Express (FAX) and Clovis Transit
- Fresno Council of Governments
- Fresno County
- Rider focus group
- **Other suggestions?**

Next Steps – Transit Roadmap



- Stakeholder meetings
- 3 more Advisory Committee meetings
- Next Advisory Committee late summer/early fall 2026

Questions, Comments,
Suggestions?