



# Electric Vehicle Readiness Roadmap

## EV Readiness Steering Committee Meeting #4

September 12, 2018 | 3:00p MT

### Attendees

Name	Organization
Carrie Frickman	Environmental Services
Seth Lorson	Transfort
Becky Karasko	North Front Range Metropolitan Planning Organization (NFRMPO)
Nick Heimann	FC Moves
Sean Carpenter	Economic Health
Mark Houdashelt	Private Citizen, EV Enthusiasts
Addison Philips	Electrification Coalition & Drive Electric Northern Colorado
Diane Tjalkens	Social Sustainability
Melina Dempsey	TransFort
Lindsay Ex	Environmental Services
Sonu Upadhyay	Utilities
Pablo Bauleo	Utilities
Tony Raeker	Environmental Services
Daniel Daneshka	City of Loveland
Amanda Mansfield	FC Moves
Aaron Fodge	Colorado State University (CSU)
Joel Danforth	Platte River Power Authority (PRPA), EV Enthusiasts
Stacy Noblet	ICF
Wendy Jaglom-Kurtz	ICF
Carrie Ryder	ICF

## Meeting Summary

### 1. Project Status Update

- The project team distributed the draft Roadmap for review on September 5. Steering Committee members will provide comments and edits by September 21.
- A final Roadmap is expected in mid-October.

### 2. Overarching Feedback

- **Visualization:** Suggestions to include a plot comparing anticipated budget and level of effort for each strategy, color coded by level of impact. Additional suggestion to add more columns to the goal-strategy alignment table to show level of impact and lead department.
- **Sales:** Increasing sales needs to be a focus of the strategies; Fort Collins (and Fort Collins employers) should consider themselves EV sales people. Fort Collins should incentivize dealerships to sell EVs by recognizing “EV friendly” dealerships.
- **Regional Coordination:** Currently, the goals are identified as either community-wide or government-focused. Should the community-wide goals be renamed to reflect the regional impacts?
- **Charging Station Installation Cost:** Provide more detail about what causes the large range in charging station cost.
- **Budget and Level of Effort:** Provide more information about what constitutes low, medium, and high budget needs and level of effort, recognizing it is a relative indicator.
- **Emerging Technologies:** Track emerging market trends in addition to emerging technologies.
- **Electricity Generation:** Use the term “zero-carbon” instead of “renewable.” Since the Roadmap is closely linked to the Climate Action Plan, use Fort Collins-specific emissions reduction benefit data, based on the PRPA electric grid mix.
- **Implementation:** Is one-half of a full time employee (FTE) enough to implement these strategies? Should the position be included with the transportation demand management (TDM) position (which is not funded in the current budget draft), or is that too much to ask of a single position? Should the Roadmap include logistics about how to get started implementing strategies?

### 3. Strategy Feedback

- The Steering Committee provided feedback on strategies through a sticky-note exercise. A full list of comments is attached. Discussion included:
- **Outreach and Education:**
  - Need more emphasis on sales and working with car dealerships, with less emphasis on charging infrastructure.
  - Integrate EV outreach and education with TDM outreach efforts.
  - Emphasize public charging less and workplace charging more.
- **Incentives:**
  - Need more information about funding and where incentives fit into the City budget.
  - Incentives are important. Fort Collins needs to do more than provide recognition.
  - Bring attention to the Clean Energy Credit Union, a Colorado-based credit union that provides loans for the purchase of new and used EVs.

- Facilitate a group buy for charging stations.
- **Policy:**
  - Fort Collins should support state efforts to adopt zero-emission vehicle standards.
  - Fort Collins needs to engage stakeholders during policy changes.
- **Leading by Example:**
  - Need to provide more information about electric buses and their charging needs.
    - Transfort has secured funding for an electric bus.
  - Need to specifically address electric bus strategies as separate from the rest of the municipal fleet.
  - Suggestions for specific siting for City employee workplace charging.
- **Emerging Technologies:**
  - Need to explore autonomous vehicles and their cyber-security/EV charging infrastructure implications.
  - Need to track market trends (e.g., used EV market, battery end-of-life issues).
  - Need a wireless charging demonstration project, potentially along the MAX line.
  - Include Steering Committee living laboratory ideas as a text box in the Roadmap.
  - Integrate concepts from the City Plan, such as mobility hubs and innovation zones.
- **City and Regional Planning:**
  - Fort Collins should facilitate innovative programs to increase access to EVs and charging, such as peer to peer car sharing, helping connect EV drivers with charging stations at private residences, and looking at Airbnb-like car share and charging sharing services.
  - Regional coordination should be considered high impact.
  - Fort Collins should coordinate with the Colorado Department of Transportation's Alternative Fuel Corridors.
- **Utilities**
  - Need to look at how time-of-use rates will affect EV drivers, as well as how the community will perceive any EV-friendly rate structures.
  - PRPA is working on a smart chargers pilot program in 2019.
  - CSU should be listed as a partner for all utility strategies.
- **Everything Else**
  - Needs to be a way to rank strategies.
  - Needs more images/pictures.
  - Fort Collins uses the term "multi-family development," not multi-unit dwelling; revise for consistency.
  - Needs more quantifiable and clear metrics.

#### 4. Action Items

- ICF will follow up with PRPA to determine Fort Collins EV emissions.
- Steering Committee members will send additional edits and feedback to ICF by September 21.
- ICF will revise the Roadmap based on feedback.

**Attachment:** Steering Committee Roadmap Feedback