The Electric Vehicle Future Is Here! Are You Ready?

APA Colorado Planning Conference 2021
Welcome!

Lynn Coppedge, she/her  
Brendle Group  
(Presenter/Moderator)

Jim Hanson, he/him  
HDR  
(Presenter/Panelist)

La Sheita Sayer, she/her  
ZoZo Group / Women Who Charge  
(Panelist)

Imogen Ainsworth, she/her  
City of Durango  
(Panelist)

Jess Hoover, she/her  
High Country Conservation Center  
(Panelist)
By the end of today, we hope you learn...

1. Why electric vehicles (EVs) are a priority in many communities.

2. Key components of community EV readiness planning.

3. Resources for communities interested in EV readiness planning.
EV Landscape
Global EV Landscape

Sales of internal combustion engine (ICE) vehicles have already peaked

At Least Two-Thirds of Global Car Sales Will Be Electric by 2040

Source: BloombergNEF Electric Vehicle Outlook 2021
Nationwide EV Landscape

- 13 states, including CO, signed legislation requiring manufacturers to increase proportion of EVs sold

- Infrastructure Investment and Jobs Act (Passed by Senate)
  - $7.5 billion for national EV charging network
    - Focus on rural, disadvantaged, and hard-to-reach communities
  - $5 billion for zero and low emission school buses
  - $5.75 billion for zero and low emission transit vehicles
  - $60 billion in power infrastructure upgrades
Auto Manufacturers 2025 Goals

- **Audi**: 20 models
- **BMW**: 15-25% global sales
- **Ford**: $29 billion invested
- **GM**: $27 billion invested; 20 North America EV models
- **Hyundai**: 23 models worldwide
- **Jaguar**: all-electric
- **Land Rover**: 6 models
- **Toyota**: 60 new models, sell 5.5 million EVs per year
- **VW**: Have built 1.5 million EVs
- **Volvo**: 50% of global sales
State of CO EV Goals

**EV Plan Goal:** 940,000 light-duty EVs on the road by 2030

**MOU Goal:** 30% Heavy Duty sales are ZEVs by 2030

CO EV Infrastructure Needs

EV Landscape: CO Communities with EV Plans

- Aspen
- Centennial
- Colorado Springs
- Denver
- Durango
- Estes Park
- Fort Collins
- Longmont
- Pueblo
- Steamboat Springs
- Summit County
- Westminster
EV Landscape: Colorado Utilities

Examples of Utility Support (not comprehensive)

• *Colorado Springs Utility*: Time of use rate
• *Gunnison Electric*: Free test drive (up to a week!)
• *Holy Cross*: E-bike rebate
• *La Plata Electric Association*: Free home EV charger
• *Xcel Energy*: EV adoption goal

See more at driveelectriccolorado.org/all-about-charging/utilities
EV Planning 101
EV Planning Components

What does it take to make become an EV-ready community?

1. STEP 1: DETERMINE STAKEHOLDERS AND ENGAGE
2. STEP 2: DETERMINE COMMUNITY EV BASELINE
3. STEP 3: IDENTIFY VISION AND GOALS
4. STEP 4: SELECT FOCUS AREA(S)
5. STEP 5: IDENTIFY AND PRIORITIZE STRATEGIES
6. STEP 6: CREATE A WORK PLAN
7. STEP 7: FINALIZE THE ROADMAP DOCUMENT
EV Planning Components

1. **Stakeholder Engagement**: Who should be involved?

**Resource Highlight: Xcel Energy Partners in Energy EV Toolkit**
xcelenergycommunities.com/evtoolkit
2. **Baseline**: What is the EV landscape in your community?

Resource Highlight: **EValuateCO Dashboard**
[atlaspolicy.com/rand/evaluateco/]
3. Vision and Goal: Where do you want to go?

EV Planning Components

4. Focus Areas: What topics do you want to focus on?

Resource Highlight: Xcel Energy Partners in Energy EV Toolkit
xcelenergycommunities.com/evtoolkit
5. Strategies: How are you going to meet your goals?

Resource Highlight: Greenlining EV Equity Toolkit, [https://greenlining.org/publications/online-resources/2016/electric-vehicles-equity-toolkit/]
EV Planning Components

6. Work Plan: Who are your partners? What is your timeline? What resources are required?

EV Planning Components

7. Final Roadmap: Get ready for implementation!

Resource Highlight: ReCharge CO energyoffice.colorado.gov/zero-emission-vehicles/recharge-colorado
EV Panel

Jim Hanson, he/him
HDR

La Sheita Sayer, she/her
ZoZo Group / Women Who Charge

Imogen Ainsworth, she/her
City of Durango

Jess Hoover, she/her
High Country Conservation Center

Audience questions are encouraged throughout the panel