

# Transportation electrification initiatives

Latest developments in coordinated planning

Bryan Jungers, Director of Mobility,  
Customer Energy Solutions, E Source

Jesse Hitchcock, Senior Analyst,  
Customer Energy Solutions, E Source



# Your hosts

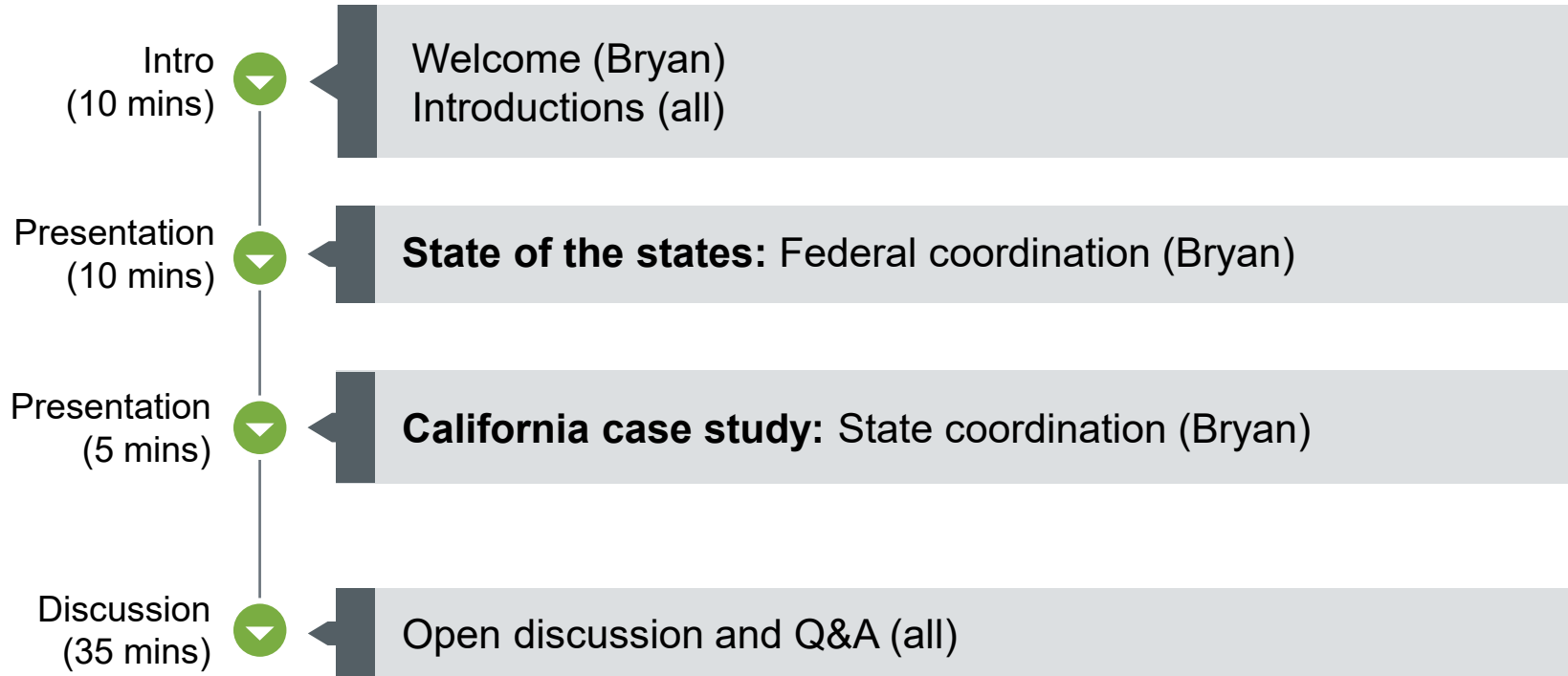


**Bryan Jungers**  
Director of Mobility



**Jesse Hitchcock**  
Senior Analyst

# Agenda



# Our simple analogy for transportation electrification (TE) planning

Phase 1



Choosing a destination

Phase 2



Mapping your route

Phase 3



Accelerating

Phase 4



Cruising



# Coordination complicates matters



Though the focus is beginning to broaden, TE conversations are still mostly centered on more **infrastructure deployment**.

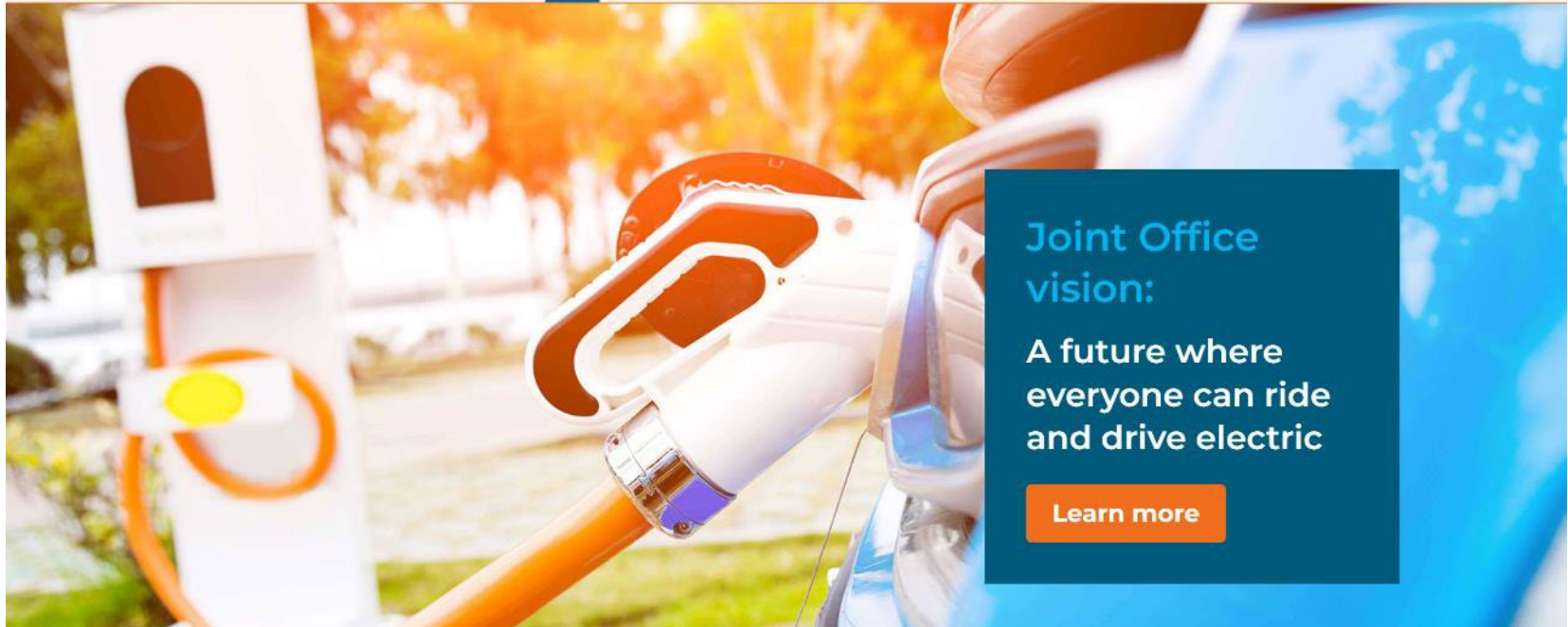
More conversations are happening across the utility and transportation planning worlds. Language barriers still exist, but we can find common ground (for example, DSM versus TDM).

# DOT/DOE Joint Office



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vision:**

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Source: [www.driveelectric.gov](https://www.driveelectric.gov)

# State guidance on NEVI Formula Program

## National Electric Vehicle Infrastructure Formula Program

Bipartisan Infrastructure Law



### Federal expectations:

- State plans due by August 1, 2022
- Approval of plans by September 30, 2022
- Equity (Justice40) and climate guidance
- All state DOTs required to work with utilities
- *New resources*
  - Data and tools
  - A seven-page template
  - An FAQ

Source: [https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/nominations/90d\\_nevi\\_formula\\_program\\_guidance.pdf](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf)

# DOE is tracking NEVI activities, but ...

The screenshot shows the DOE Alternative Fuels Data Center (AFDC) website. The page is titled "Alternative Fuels Data Center" and features a search bar at the top. Below the search bar, there are navigation tabs for "FUELS & VEHICLES", "CONSERVE FUEL", "LOCATE STATIONS", "LAWS & INCENTIVES", "Maps & Data", "Case Studies", "Publications", "Tools", "About", and "Home". The "LAWS & INCENTIVES" tab is selected.

The main content area is titled "Search Federal and State Laws and Incentives". It includes a search bar with the keyword "NEVI" entered. Below the search bar, there are filters for "Jurisdiction" and "Category Search". The "Jurisdiction" filter shows "Federal" and "State" options, with "State" selected. The "Category Search" filter shows four categories: "Jurisdiction", "Technology/Fuel", "Incentive/Regulation", and "User". The "Jurisdiction" filter is expanded, showing "All", "Federal", "Alabama", and "Alaska" with checkboxes. The "Technology/Fuel" filter is expanded, showing "All", "Biodiesel", "Ethanol", "Natural Gas", "Propane (LPG)", "Hydrogen Fuel Cells", and "Evs" with checkboxes. The "Incentive/Regulation" filter is expanded, showing "All", "Acquisition or Fuel Use", "Grants", "Driving or Idling", "Tax Incentives", and "Registration or" with checkboxes. The "User" filter is expanded, showing "All", "Commercial", "Government Entity", "Personal Vehicle Owner or Driver", and "Alternative Fuel Infrastructure" with checkboxes.

Below the filters, there is a "SEARCH" button and a "CLEAR" button. The search results are displayed as a table with 28 results for the keyword "NEVI". The table has columns for "Jurisdiction", "Title", and "Type".

Jurisdiction	Title	Type
Alaska	Alaska's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives
Arizona	Arizona's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives
California	California's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives
Connecticut	Connecticut's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives
Florida	Florida's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives
Idaho	Idaho's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives
Indiana	Indiana's National Electric Vehicle Infrastructure (NEVI) Plan	State Incentives

Source: Alternative Fuels Data Center (AFDC)



# Is your state DOT coordinating with you?



# How about your state energy office?



# Canada's EV infrastructure program

The **Zero Emission Vehicle Infrastructure Program (ZEVIP)** is a \$680 million initiative ending in 2027 and its objective is to address the lack of charging and refuelling stations in Canada; one of the key barriers to ZEV adoption, by increasing the availability of localized charging and hydrogen refuelling opportunities where Canadians live, work, and play.

This funding will be delivered through cost-sharing contribution agreements for eligible projects that will help meet the growing charging and refuelling demand.

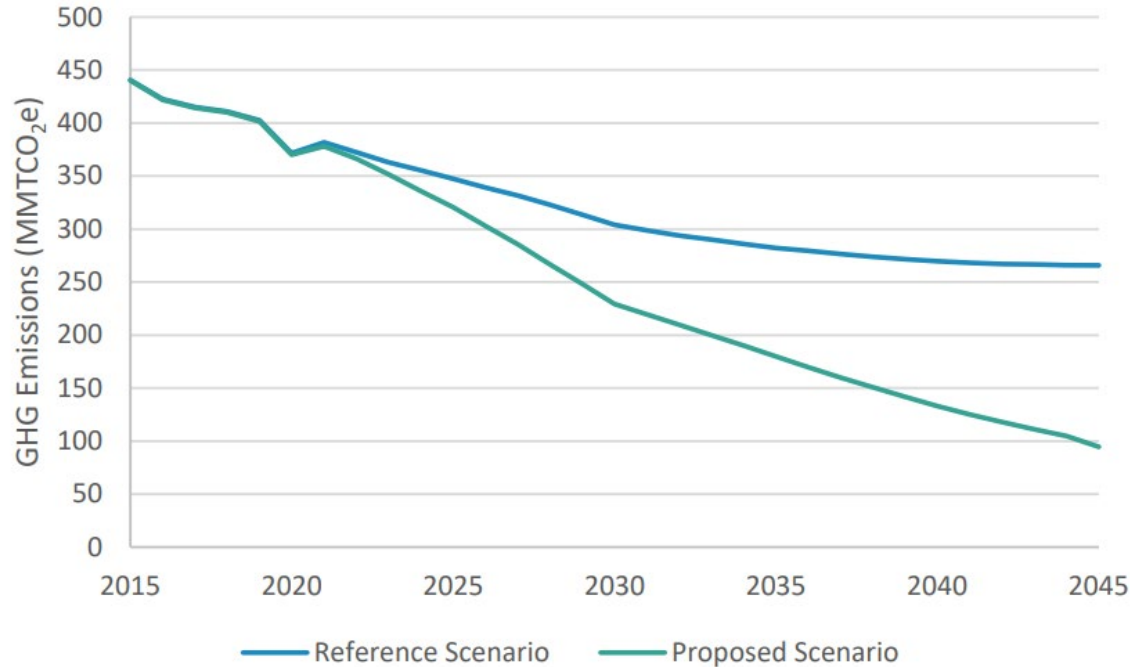
## NOTICE

The Request for Proposals (RFP) focusing on public places, on-street, multi-unit residential buildings, workplaces and vehicle fleets is now open until **August 11, 2022 (23:59 Eastern Daylight Time)**.

The program targets multiple infrastructure streams as described below.

Source: Natural Resources Canada, [Zero Emission Vehicle Infrastructure Program](#)

# State case study: California



Source: California Air Resources Board, [Draft 2022 Scoping Plan Update](#) (PDF)



# Discussion and next steps

# Don't miss our new report!

[How to use EV charging data to make a great transportation electrification plan](#), Jesse Hitchcock and Bryan Jungers



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Fall 2022



# Mobility Council

September 12–13, 2022

Sheraton Denver Downtown

[www.esource.com/events](http://www.esource.com/events)

\*This event is invitation-only



# Contact



## Bryan Jungers

Director of Mobility,  
Customer Energy Solutions

E Source

520-336-2812

bryan\_jungers@esource.com



## Jesse Hitchcock

Senior Analyst, Customer Energy Solutions  
E Source

303-345-9162

jesse\_hitchcock@esource.com

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