



Joint Office of
**Energy and
Transportation**

Building a Future Where Everyone Can Ride and Drive Electric

Rachael Nealer- Deputy Director

NASEO Transportation Committee Meeting

2/9/2023

driveelectric.gov



Joint Office Overview and Priorities

Mission and Vision



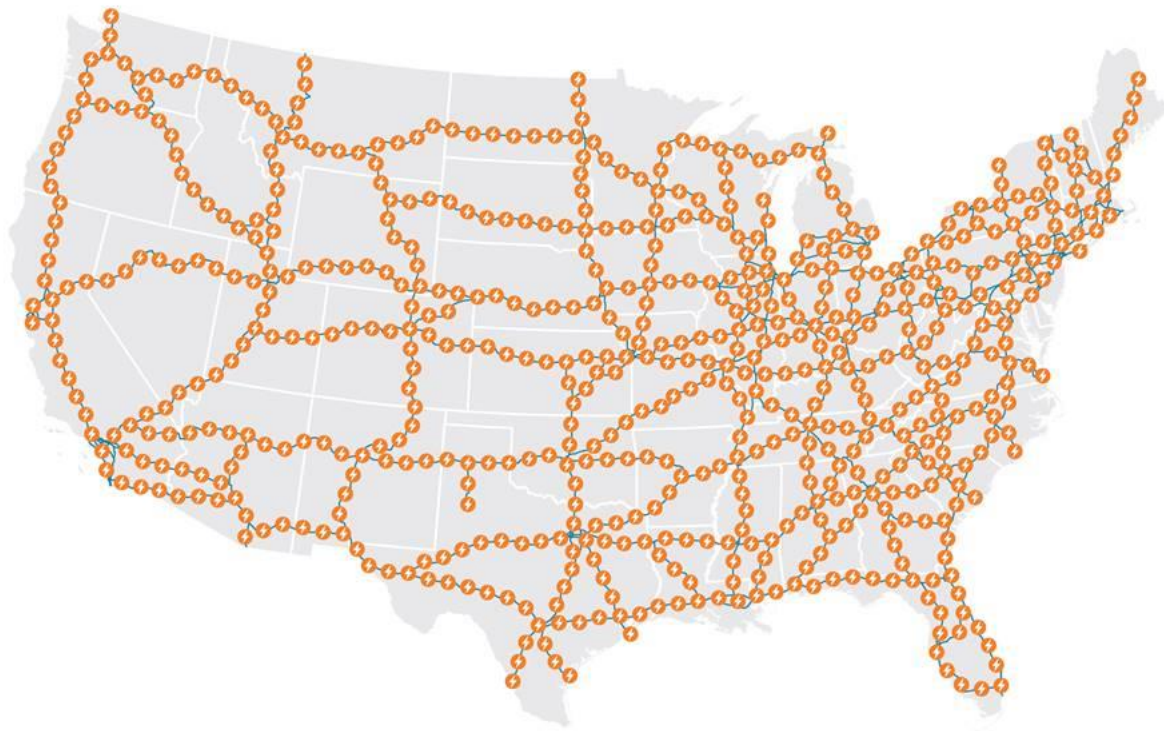
Mission

To accelerate an electrified transportation system that is affordable, convenient, equitable, reliable, and safe.

Vision

A future where everyone can ride and drive electric.

**The
goal is a
national
network**



Joint Office FY23 Priorities



Continue staffing up as quickly as possible to support demand



Build community charging expertise in the Joint Office



Shift TA to implementation of programs (NEVI, CFI, Low-No, CSB) and minimum standards



Formulate and execute Community and Corridor Grants with Federal Highway Administration



Proactively address gaps identified in year 1 of the Joint Office



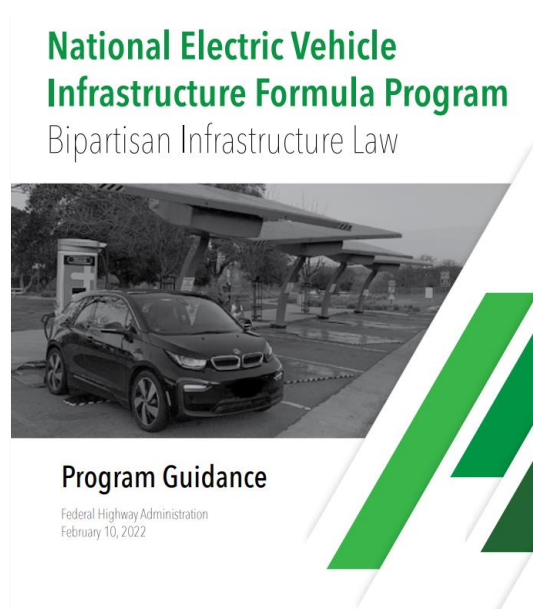
Mature and scale transit and school bus technical assistance



JO Updates

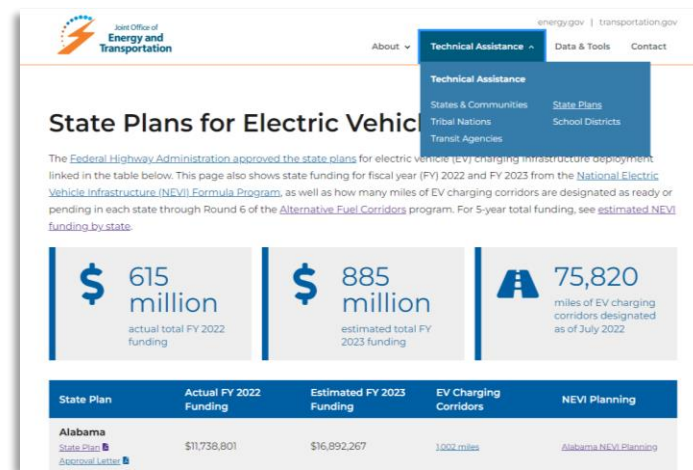
National Electric Vehicle Infrastructure (NEVI) Formula Program Overview

- \$5.0B for **EV Corridors** for FY2022-2026
- Any EV charging infrastructure acquired or installed shall be located along a **designated alternative fuel corridor**
- States required to develop an **EV Infrastructure Deployment Plan**
- FY22-26 BIL sets aside **10 percent of EV Formula funding for grants** to States and local governments that require additional assistance to strategically deploy EV charging infrastructure, as determined by the Secretary of Transportation

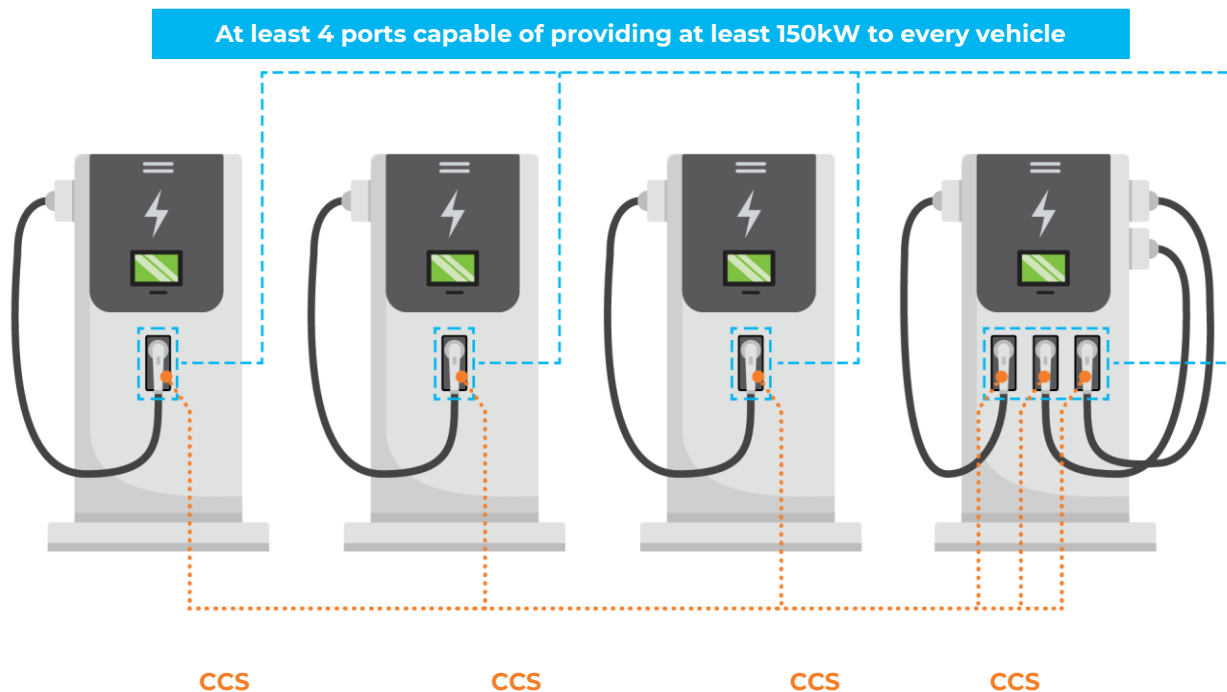


National Electric Vehicle Infrastructure (NEVI) Formula Program Updates

- **All 50 state plans plus DC and Puerto Rico are approved** by FHWA in Sept 2022
 - **Unlocking \$1.5 B** in FY22 and FY23 funding
- **Kentucky, Pennsylvania, New Jersey, Texas, and Ohio** all have open RFPs, RFIs, or draft versions that are publicly available.



NEVI Charging Station Design



Power, Ports, and Connectors for Chargers **Every 50 Miles** Along Alternative Fuel Corridors

Discretionary Grant Program for Charging and Fueling Infrastructure – **Coming Soon!**

- EV charging, hydrogen, propane, and natural gas fueling infrastructure
- 80/20 Federal Cost Share

Divided into two distinct **\$1.25 billion grant programs:**

Corridor Charging Grant Program

- Strategically deploy publicly accessible EV charging infrastructure and alternative fueling infrastructure along designated **Alternative Fuel Corridors**

Community Charging Grant Program

- Strategically deploy publicly accessible EV charging infrastructure and alternative fueling infrastructure in **communities**

Status and coordination with state DOTs and SEOs

Joint Office signed an MOU between NASEO and AASHTO in February 2022

Goal: Support NEVI implementation and technical assistance, enabling **peer-to-peer learning**

Activities:

- Holding in-person regional meetings
- Hosting monthly regional calls
- Convening a national meeting this summer

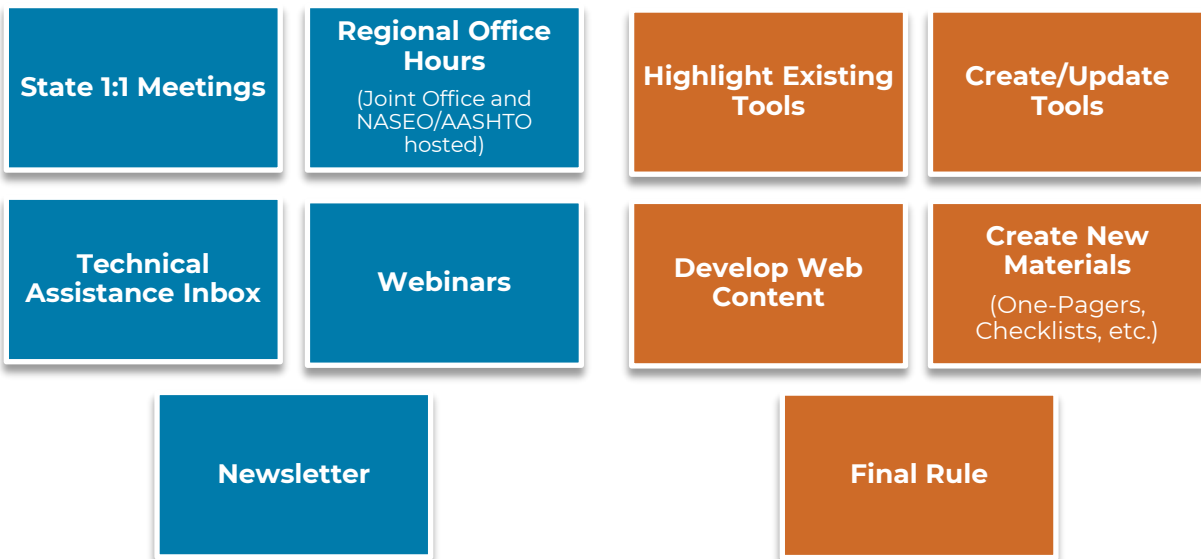


Approach to Addressing Technical Assistance (TA) Needs

Use TA Channels



To Spread Awareness of New and Existing Resources





Equity and Justice40 Implementation



Meaningful community engagement can **improve outcomes** by helping to inform decisions with the **needs, interests, and concerns** of **affected stakeholders** and groups.



Meaningful
Community
Engagement



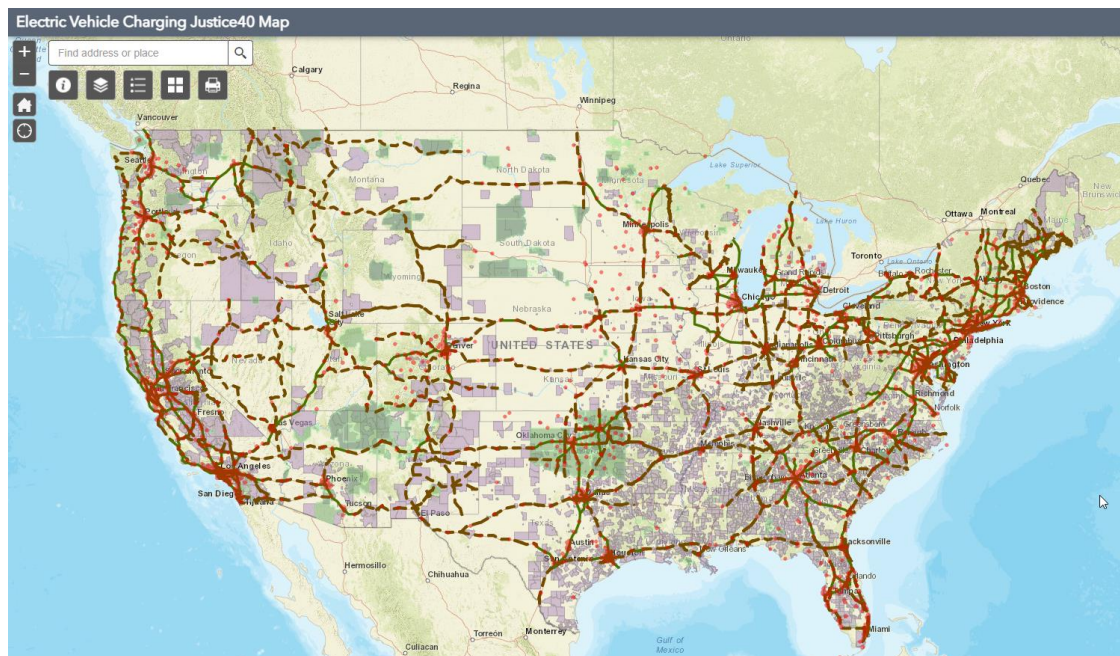
Justice40
Benefits
Framework

EV Charging Justice40 Map

- **DOT and DOE** developed a joint interim definition of disadvantaged communities
 - Consistent with interim Justice40 guidance
 - Updated May 2022
- Find more at anl.gov/es/electric-vehicle-charging-equity-considerations

Uses publicly available data sets that captures the following metrics:

- Transportation access
- Health
- Environmental
- Economics
- Resilience
- Social





Standards and Reliability Initiatives

Success = *Achieving
a national charging
network in 5 years
that embodies
foundational
principles:*

(and that creates jobs,
EV adoption, and other
great things)

Convenient

- Great customer experience

Affordable

- Open market that fosters competition and innovation

Reliable

- Works every time
- Foundations for vehicle-grid integration

Equitable

- Any driver, any EV, anywhere

Today's poor DCFC reliability is an existential threat to the EV industry and a national network

Must help industry to:

- Measure, improve, and maintain reliability
- Ensure interoperability

...with a continuously increasing number of *new* players, *new* products, and *new* manufacturing facilities

What can the Joint Office do to make an immediate impact?



Joint Office Has Three Key Goals for Improving Charging Reliability

1. Simplify the ecosystem

- Innovate within standards

2. Facilitate reliability standards, data collection, and sharing

- Speak a common language

3. Create game changers and shortcuts

- Take advantage of unique capabilities of national labs and select contractors





What's Next for the Joint Office?

What's Next for the Joint Office

NEVI Notice of Proposed Rulemaking (NPRM)

NPRM Closed on August 22nd with **380+ comments**

Buy America

Proposed Waiver Issued for Comment on August 31st

Discretionary Charging and Fueling Infrastructure Grants

\$2.5B for corridor and community charging grants via BIL

NEVI “gap-filling” grants

10% of NEVI funds are set-aside annually to fund strategic deployment of EV chargers.

Designation of Freight Corridors

Federal Highway Administration (FHWA) will initiate the designation of **freight EV corridors**

What's Next for the Joint Office

Round 7 – Request for Nominations (RFN)

Solicit nominations from States for **Round 7 of Alternative Fuel Corridor Designations**

Technical Assistance

Expand scope to focus on implementation and address issues related to **permitting, utility issues, siting, right-sizing of stations, future proofing**, etc.

MOU Between NASEO/AASHTO

Support NEVI Implementation and assist the Joint Office with technical assistance and enable **peer-to-peer learning**

Electric Vehicle Working Group

Convene EV Working Group Federal Advisory Committee (FACA) per BIL, which will include members from across the public and private sectors in the EV industry

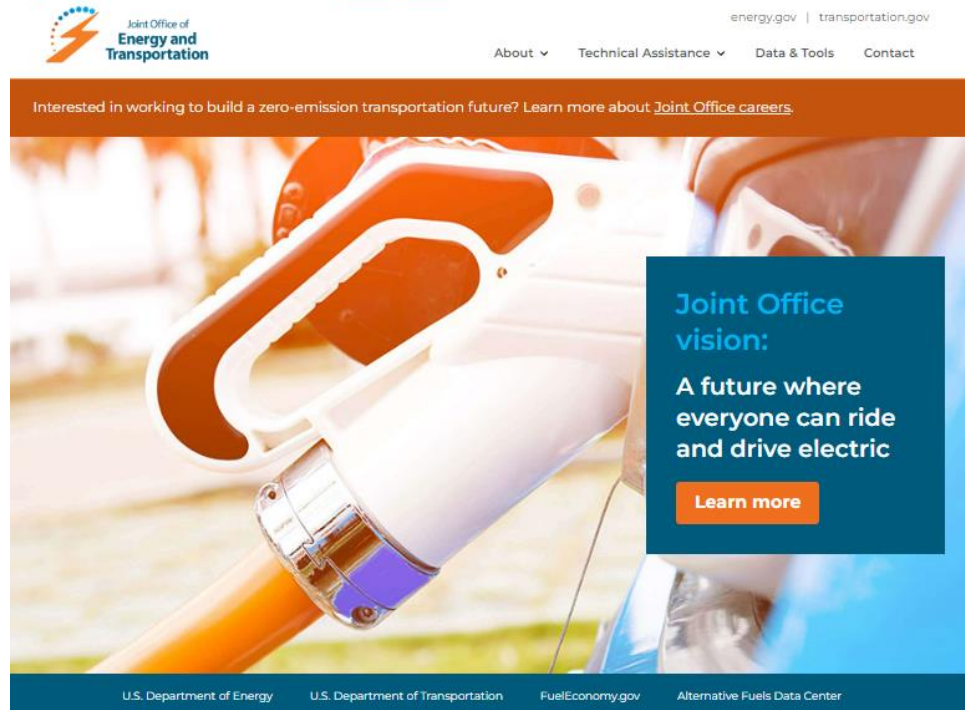


Additional Resources

DriveElectric.gov

Website connects state DOTs and other stakeholders to resources, including:

- Infrastructure planning and implementation guidance
- Data and tools
- News and events
- Technical assistance request form



A modernized and interagency approach to support the deployment of zero-emission, convenient, accessible, equitable transportation infrastructure

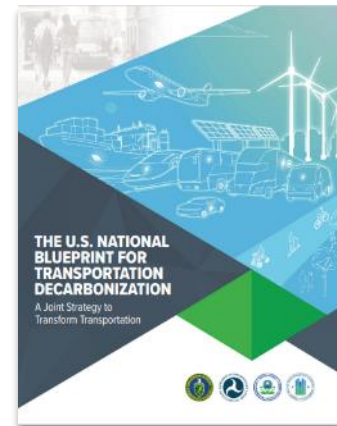
The Joint Office of Energy and Transportation was created through the Bipartisan Infrastructure Law (BIL) to facilitate collaboration between the U.S. Department of Energy and the U.S. Department of Transportation. The Joint Office will align resources and expertise across the two departments toward leveraged outcomes. The office will be a critical component in the implementation of the BIL, providing support and expertise to a multitude of programs that seek to deploy a network of electric vehicle chargers, zero-emission fueling infrastructure, and zero-emission transit and school buses. The scope of the Joint Office will continue to expand as directed by both departments.

U.S. National Blueprint for Transportation Decarbonization

Goal:

- Reduce greenhouse gas emissions associated with the transportation sector by 2050 and ensure resilient and accessible mobility options for all Americans

Partners:



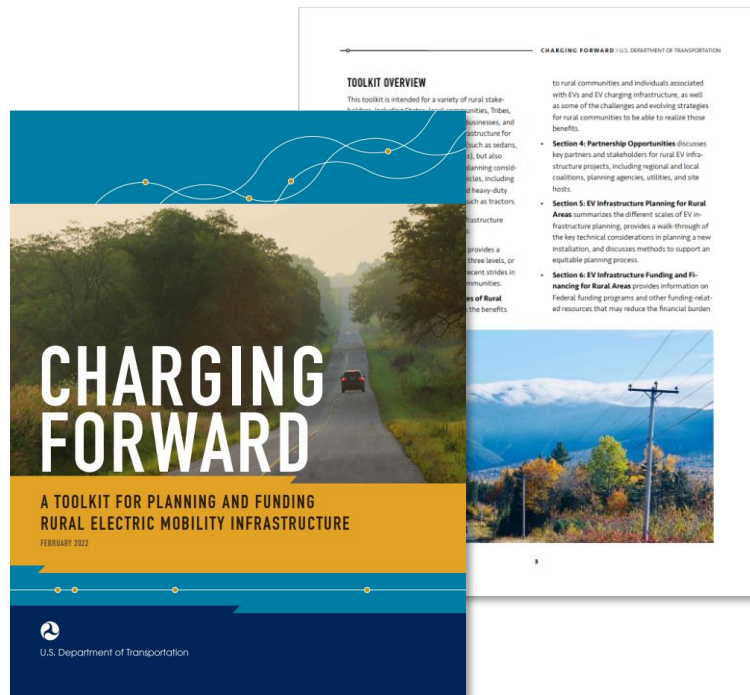
Rural EV Toolkit Version 2 and Urban EV Toolkit are in development

Rural EV Toolkit Part 2

- Updates based on stakeholder feedback
- Expanded content on
 - Transit vehicles
 - School buses
 - Micromobility
 - Accessible design
- New funding programs, including the Bipartisan Infrastructure Law (BIL)

Urban Toolkit

- Reframed for urban (e.g., benefits/challenges, success stories, resources, funding programs)
- Multifamily, building codes, curbside charging, fleet charging (micromobility, ride-hailing, taxi)



Key Takeaways:

- **Thank you** for partnering with the Joint Office; we're better together!
- Continue providing unifying **guidance, technical assistance,** and **analysis**
- **Expand technical assistance** to implementation and execution
- Ensure **reliability and equity are pillars** to the national network
- The **Charging and Fueling Infrastructure Discretionary Grant Program** Notice of Funding Opportunity will be out soon!



Joint Office of
**Energy and
Transportation**

Thank you!

driveelectric.gov