



Joint Office of
**Energy and
Transportation**

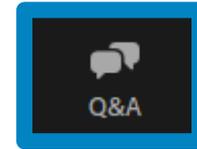
Meet and Greet with Gabe Klein, Executive Director of the Joint Office

1/24/2023

driveelectric.gov

Zoom Tips and Housekeeping

- Controls are located at the bottom of your screen. If they aren't appearing, move your cursor to the bottom edge.
- Submit questions using the “Q&A” window



Disclaimer

Notice: This webinar is being recorded and may be posted on the Joint Office website or used internally.

If you speak during the webinar or use video, you are presumed to consent to recording and use of your voice or image.

Agenda

Presentation from Gabe Klein

- Joint Office of Energy and Transportation (Joint Office) **Overview and Priorities**
- **Guidance** and **Technical Assistance**
- **Equity** and **Justice40** Implementation
- **What's Next** for the Joint Office?

Q&A Session





Joint Office Overview and Priorities

Joint Office Purpose

Established by the Bipartisan Infrastructure Law (BIL) to address areas of joint interest to the U.S. Departments of Energy and Transportation

\$300M

in Fiscal Year 2022 funds to DOT with transfer authority to DOE

9

major areas of emphasis

Areas of emphasis:

- 1) Technical assistance for EV charging and refueling infrastructure**
- 2) Data sharing
- 3) National and regionalized study vehicle of infrastructure needs
- 4) Training and certification programs
- 5) Program to promote renewable energy generation, storage, and grid integration
- 6) Transmission pilots in interstate rights-of-way
- 7) Research, strategies, and actions to mitigate effects of climate change
- 8) Develop streamlined utility accommodations policy for transmission in transportation right-of-way
- 9) Any other issues the Secretary of Transportation and Secretary of Energy identify as issues of joint interest

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.

Bipartisan Infrastructure Law (BIL) Programs Supported by the Joint Office

The Joint Office will provide unifying **guidance, technical assistance,** and **analysis** to support the following programs:



National Electric Vehicle Infrastructure (NEVI) Formula Program (U.S. DOT)

\$5 billion for states to build a national electric vehicle (EV) charging network along corridors



Charging & Fueling Infrastructure Discretionary Grant Program (U.S. DOT)

\$2.5 billion in community and corridor grants for EV charging, as well as hydrogen, natural gas, and propane fueling infrastructure



Low-No Emissions Grants Program for Transit (U.S. DOT)

\$5.6 billion in support of low- and no-emission transit bus deployments



Clean School Bus Program (U.S. EPA)

\$5 billion in support of electric school bus deployments

National Electric Vehicle Infrastructure (NEVI) Formula Program*

- \$5.0B for **EV Corridors** → \$1.0B/year 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** and update annually
- FY22-26 BIL sets aside **10% of EV Formula funding for grants** to States and local governments that require additional assistance to strategically deploy EV charging infrastructure

National Electric Vehicle Infrastructure Formula Program

Bipartisan Infrastructure Law

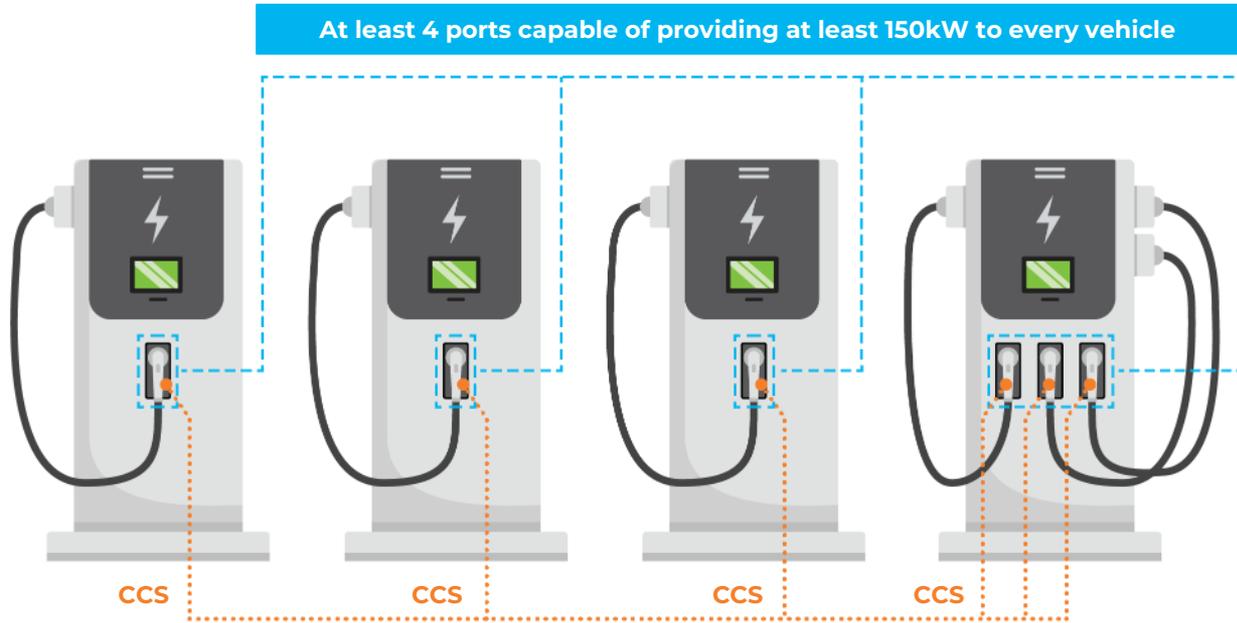


Program Guidance

Federal Highway Administration
February 10, 2022

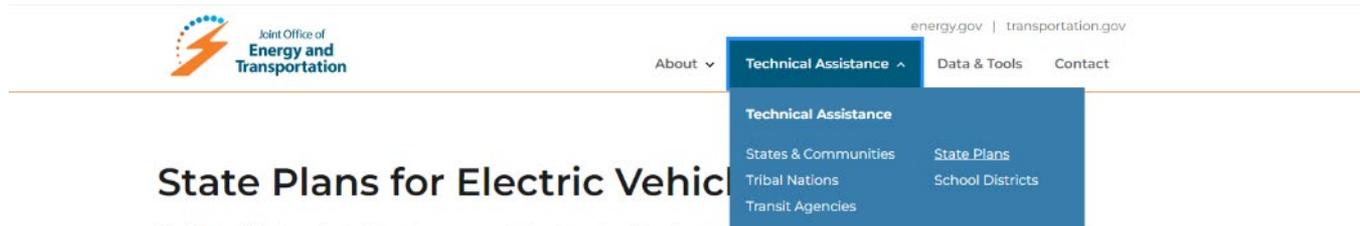
NEVI Charging Station Design

Power, Ports, and Connectors for Chargers Along and Serving Alternative Fuel Corridors



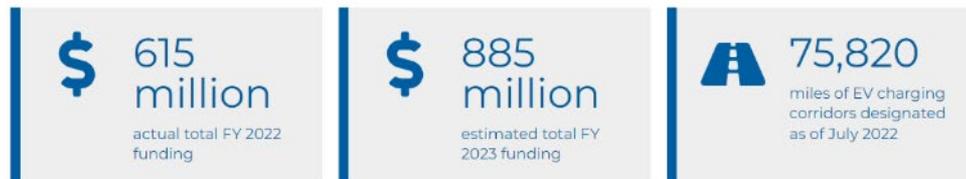
CCS = combined charging system

Find NEVI State Plans and Planning Websites on DriveElectric.gov



State Plans for Electric Vehicle

The [Federal Highway Administration approved the state plans](#) for electric vehicle (EV) charging infrastructure deployment linked in the table below. This page also shows state funding for fiscal year (FY) 2022 and FY 2023 from the [National Electric Vehicle Infrastructure \(NEVI\) Formula Program](#), as well as how many miles of EV charging corridors are designated as ready or pending in each state through Round 6 of the [Alternative Fuel Corridors](#) program. For 5-year total funding, see [estimated NEVI funding by state](#).



| State Plan | Actual FY 2022 Funding | Estimated FY 2023 Funding | EV Charging Corridors | NEVI Planning |
|---|------------------------|---------------------------|-----------------------|---------------------------------------|
| Alabama State Plan Approval Letter | \$11,738,801 | \$16,892,267 | 1,002 miles | Alabama NEVI Planning |

Source:
driveelectric.gov/state-plans/

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

For **EV charging, hydrogen, propane, and natural gas fueling infrastructure**

Divided into two distinct **\$1.25 billion grant programs** to support EV charger deployment

– **Corridor Charging Grant Program**

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

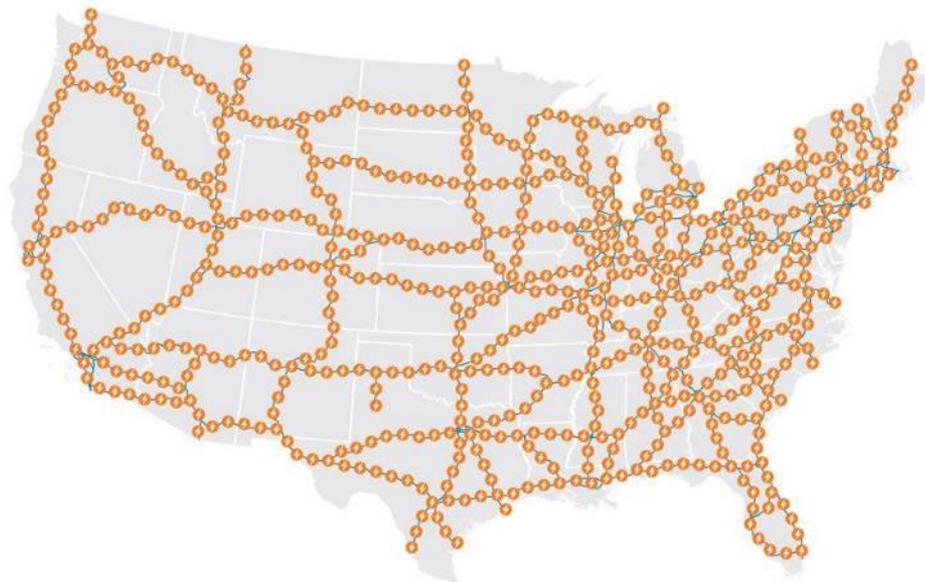
– **Community Charging Grant Program**

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



Guidance and Technical Assistance Overview

**The
goal is a
national
network**



How do we connect regions? The nation?

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

Joint Office Has Three Key Goals for Improving Charging Reliability

1. Simplify the ecosystem

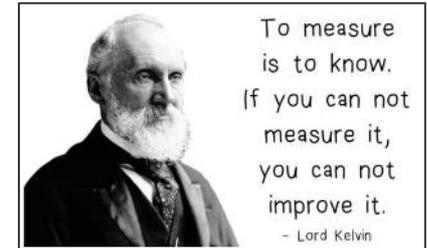
- Innovate within standards

2. Facilitate reliability standards, data collection, and sharing

- Speak a common language

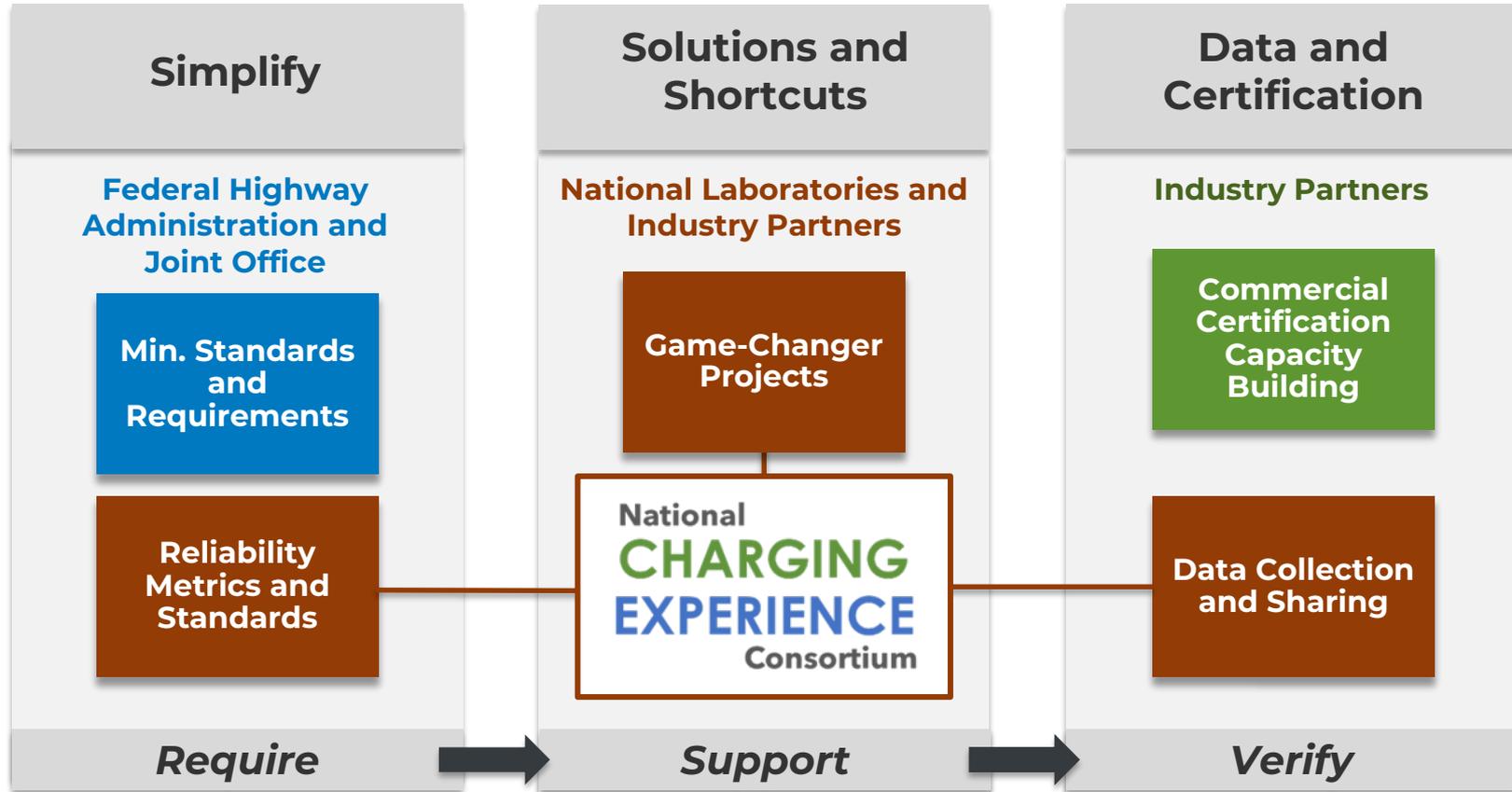
3. Create game changers and shortcuts

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



National
CHARGING
EXPERIENCE
Consortium

Standards & Reliability Program Activities



Joint Office Technical Assistance Principles

Respectful
collaboration with
experts that have
preceded the Joint
Office to accomplish
our shared vision:

***A future where
everyone can ride and
drive electric***

- **Technical Assistance will:**

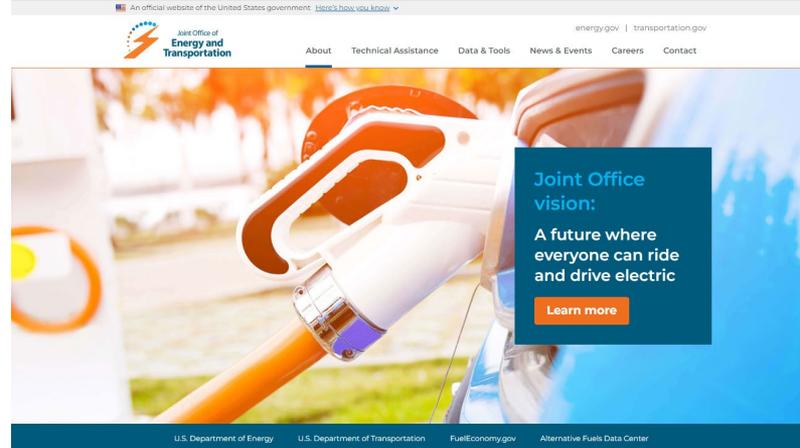
- Dive into the hard challenges alongside states and our partners in order to **create something revolutionary.**
- Help states getting started **build on the successes and learn from the challenges** of states with more mature networks.
- Utilize the people, programs, and relationships that came before us and **enable future charging experts.**



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 evolve as directed by both departments.

[Contact us](#) [Technical assistance](#)

Benefits of investing in our electric vehicle charging infrastructure

Initial priorities of the Joint Office will be to support states with planning and to implement the National Electric Vehicle Charging Infrastructure program.



Support electric vehicles

Accelerates the adoption of electric vehicles, including for those who cannot reliably charge at home to enable up to 50% of new vehicle sales to be electric by 2030.



Fewer emissions

Reduces transportation-related emissions and helps put the United States on a path to net-zero emissions by no later than 2050.



Job creation

Positions U.S. industries to lead global transportation electrification efforts and create good jobs.



A network for everyone

Targeted equity benefits for disadvantaged communities, reducing mobility and energy burdens while also creating jobs and supporting businesses.

Transit Vehicle Technical Assistance

Partnering with the Federal Transit Administration (FTA) to offer direct technical assistance for eligible transit agencies to plan for and deploy clean buses



Transition Transit Buses to Low- or No-Emission Models

The Federal Transit Administration's [Low or No Emission \(Low-No\) Vehicle Program](#) provides \$5.6 billion over 5 years (2022 – 2026) to help modernize bus fleets and bus facilities across the country, focused on helping transit agencies purchase or lease low- or no-emission vehicles and necessary charging or fueling infrastructure. Entities currently receiving Low-No funds, planning to apply for Low-No funds, or using other FTA program funds for clean buses can contact the Joint Office for [technical assistance](#) to plan for and deploy clean transit buses.



driveelectric.gov/transit

Electric School Bus Technical Assistance

Partnering with the U.S. Environmental Protection Agency (EPA) to provide direct technical assistance for eligible school bus fleets to plan for and deploy clean school buses



Transition School Buses to Clean and Zero-Emission Models

The Environmental Protection Agency's [Clean School Bus Program](#) provides \$5 billion over 5 years (fiscal years 2022 – 2026) to replace existing school buses with clean and zero-emission models. The Joint Office provides [technical assistance](#) to school districts to plan for and deploy clean school buses.

driveelectric.gov/bus

Addressing Technical Assistance (TA) Needs

Based on states' feedback, the Joint Office will work to continue to address these topics in the coming months through new and existing TA channels.

Use TA Channels



To Spread Awareness of New and Existing Resources





Equity and Justice40 Implementation

Justice40 Initiative—Primary Elements and Questions

Biden administration established the Justice40 Initiative in Jan. 2021

- Established a goal that **40% of the overall benefits** of certain federal investments **flow to disadvantaged communities**
- **NEVI Formula Program is a covered program under Justice40**



ENVIRONMENTAL JUSTICE

JUSTICE40

A WHOLE-OF-GOVERNMENT INITIATIVE

Three primary questions for incorporating Justice40 benefits framework in NEVI program

1. How are disadvantaged communities defined?
2. Which investments are relevant to Justice40?
3. How are the benefits of investments measured and tracked?



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



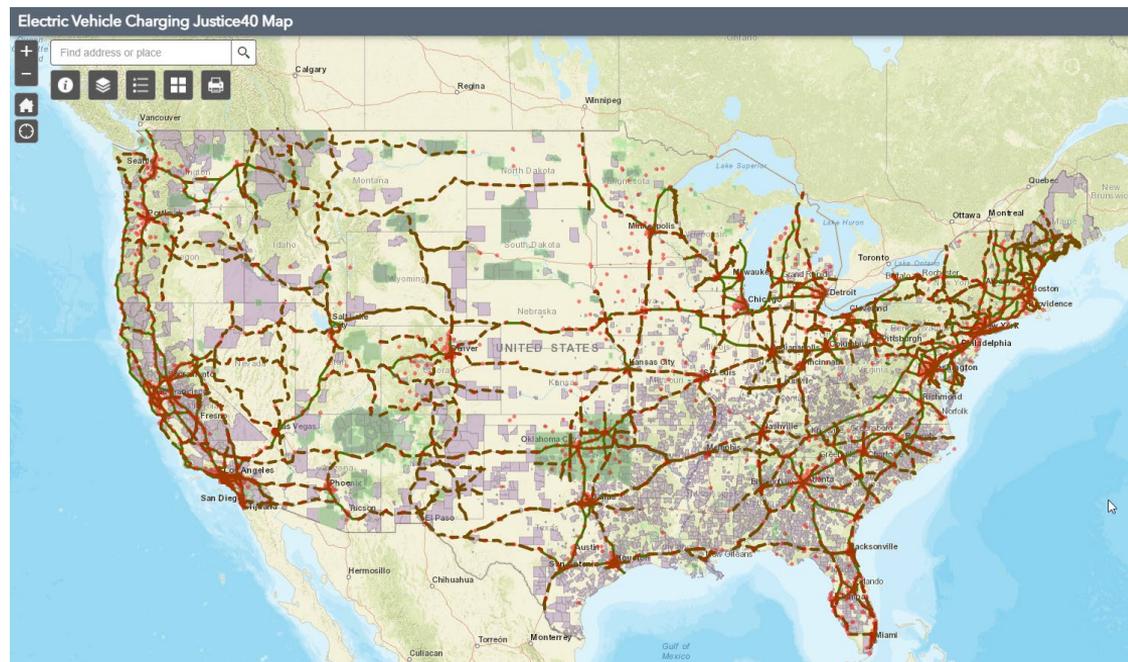
Justice40
Benefits
Framework

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 capture the following metrics:

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



National EV Charging Infrastructure Could Provide Multiple Benefits to Disadvantaged Communities

Disadvantaged
business
opportunities



Decreasing
transportation
cost burden



Reducing
transportation
emissions



Clean
transportation
access



Jobs and
job training



Energy
resilience

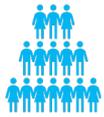
Community
participation





What's Next for the Joint Office?

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

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



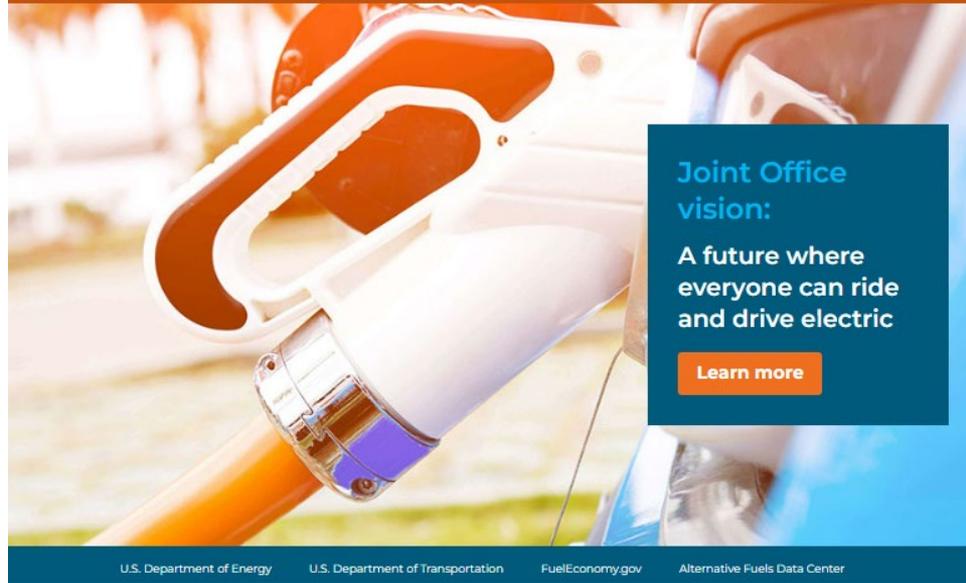
Connecting with the Joint Office

DriveElectric.gov

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- News and events
- Technical assistance request form

Interested in working to build a zero-emission transportation future? Learn more about [Joint Office careers](#).



Joint Office
vision:

A future where
everyone can ride
and drive electric

[Learn more](#)

[U.S. Department of Energy](#)

[U.S. Department of Transportation](#)

[FuelEconomy.gov](#)

[Alternative Fuels Data Center](#)

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- Request assistance via online form
- Initial response within 48 hours
- General questions and feedback welcome!

Contact Us

Use this contact form to submit a media inquiry, ask a general question about Joint Office of Energy and Transportation resources and activities, or request technical assistance for states, tribal nations, or clean school buses or transit buses.

Required fields are marked with an asterisk (*).

Inquiry type *

Name *

Email *

Subject *

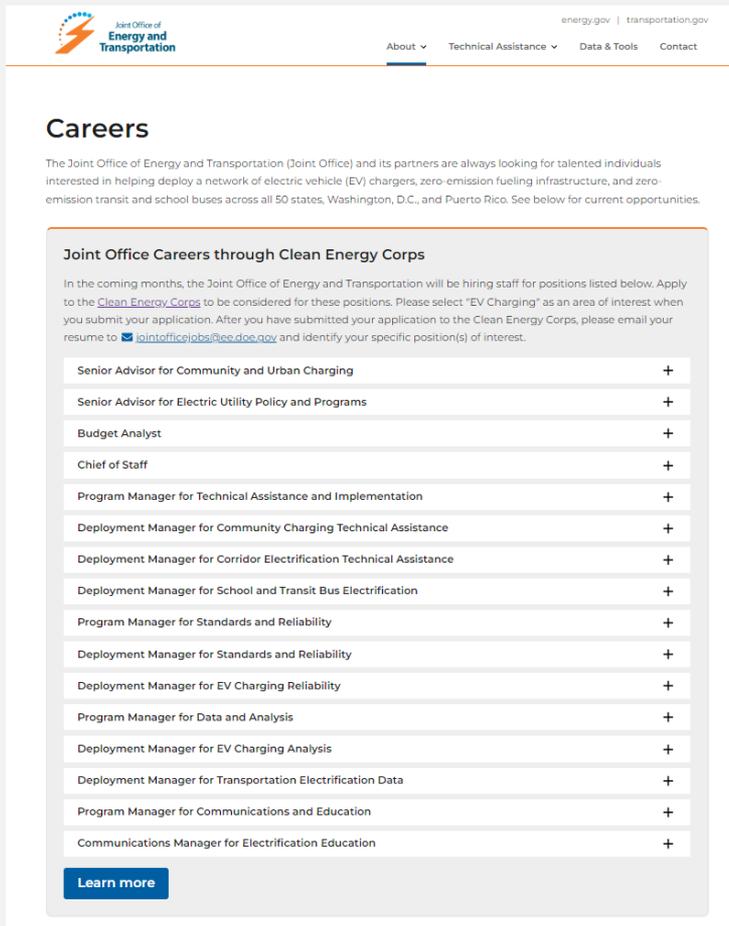
Message *

Send

driveelectric.gov/contact

Many Job Opportunities Now Available!

- Visit [DriveElectric.Gov](https://driveelectric.gov)
- Apply through to Clean Energy Corps
- Select “EV Charging” as an area of interest
- Email resume to jointofficejobs@ee.doe.gov



The screenshot shows the website for the Joint Office of Energy and Transportation. The header includes the logo and navigation links for About, Technical Assistance, Data & Tools, and Contact. The main heading is "Careers". Below this, a paragraph explains that the Joint Office and its partners are looking for talented individuals interested in helping deploy a network of electric vehicle (EV) chargers, zero-emission fueling infrastructure, and zero-emission transit and school buses across all 50 states, Washington, D.C., and Puerto Rico. A section titled "Joint Office Careers through Clean Energy Corps" contains a list of 15 job positions, each with a plus sign to its right. At the bottom of this section is a blue "Learn more" button.

energy.gov | transportation.gov

About Technical Assistance Data & Tools Contact

Careers

The Joint Office of Energy and Transportation (Joint Office) and its partners are always looking for talented individuals interested in helping deploy a network of electric vehicle (EV) chargers, zero-emission fueling infrastructure, and zero-emission transit and school buses across all 50 states, Washington, D.C., and Puerto Rico. See below for current opportunities.

Joint Office Careers through Clean Energy Corps

In the coming months, the Joint Office of Energy and Transportation will be hiring staff for positions listed below. Apply to the [Clean Energy Corps](#) to be considered for these positions. Please select "EV Charging" as an area of interest when you submit your application. After you have submitted your application to the Clean Energy Corps, please email your resume to jointofficejobs@ee.doe.gov and identify your specific position(s) of interest.

| | |
|--|---|
| Senior Advisor for Community and Urban Charging | + |
| Senior Advisor for Electric Utility Policy and Programs | + |
| Budget Analyst | + |
| Chief of Staff | + |
| Program Manager for Technical Assistance and Implementation | + |
| Deployment Manager for Community Charging Technical Assistance | + |
| Deployment Manager for Corridor Electrification Technical Assistance | + |
| Deployment Manager for School and Transit Bus Electrification | + |
| Program Manager for Standards and Reliability | + |
| Deployment Manager for Standards and Reliability | + |
| Deployment Manager for EV Charging Reliability | + |
| Program Manager for Data and Analysis | + |
| Deployment Manager for EV Charging Analysis | + |
| Deployment Manager for Transportation Electrification Data | + |
| Program Manager for Communications and Education | + |
| Communications Manager for Electrification Education | + |

[Learn more](#)



Questions and Answers



Joint Office of
**Energy and
Transportation**

Thank you for being here!

driveelectric.gov