



Joint Office of
**Energy and
Transportation**

National Electric Vehicle Charging Infrastructure (NEVI) Alaska EV Working Group Meeting

Heather Richardson, Joint Office Regions 9/10 Technical Assistance Lead
5/22/2023

driveelectric.gov

Agenda

Joint Office Overview & 2023 Priorities

Connecting with the Joint Office

Technical Assistance





Joint Office Overview and Priorities

Joint Office Establishment

- 11/15/21 Bipartisan Infrastructure Law (BIL) signed into law
- 12/13/21 Biden-Harris Electric Vehicle Charging Action Plan released
- 12/14/21 Memorandum of Understanding (MOU) between the U.S. Departments of Energy and Transportation to establish a Joint Office of Energy and Transportation (Joint Office)



Secretary Jennifer Granholm
U.S. Department of Energy (DOE)



Secretary Pete Buttigieg
U.S. Department of Transportation (DOT)

Joint Office of Energy and Transportation

Established in the Bipartisan Infrastructure Law to address areas of joint interest to the Departments of Energy and Transportation

\$300M

in FY22 funds to DOT
with transfer authority to DOE

9

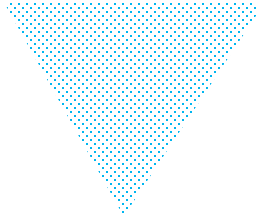
major areas of emphasis

Joint Office of Energy and Transportation

Areas of emphasis summary

- 1) technical assistance of vehicle charging
- 2) data sharing
- 3) performance of a national and regionalized study
- 4) vehicle charging training and certification programs
- 5) program to promote renewable energy generation, storage, and grid integration
- 6) transmission pilots in the rights-of-way
- 7) research, strategies, and actions to mitigate the effects of climate change
- 8) development of a streamlined utility accommodations policy for transmission in the transportation right-of-way
- 9) any other issues that the Secretary of Transportation and the 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.

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 (USDOT)

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



Charging & Fueling Infrastructure Discretionary Grant Program (USDOT)

\$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 (USDOT)

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



Clean School Bus Program (USEPA)

\$5 billion in support of electric school bus deployments

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 FHWA



Proactively address gaps identified in year 1 of the Joint Office



Mature and scale transit and school bus technical assistance

Technical Assistance and Implementation

FY22 Accomplishments

- Launched Joint Office technical assistance in February; expanded technical assistance offerings to school & transit bus electrification in June
- NEVI guidance released, FAQ published
- 52 NEVI plans received and approved ahead of schedule
- Fielded >1,100 technical assistance inquiries, 1:1s with every state, regional office hours
- AASHTO/NASEO MOU and cooperative agreement
- Began implementation of requirements in BIL

FY23 Major Activities

- Multi-year contractual support for Joint Office to provide technical and implementation assistance on a variety of transportation electrification topics;
- Continued and expanded work with NASEO and AASHTO
- Scale transit and school bus technical assistance

Communications and Education

FY22 Accomplishments

- Design and launch of DriveElectric.gov
- Established EV Working Group
- Held 5 national webinars with average attendance of nearly 300 participants, conducted 78 stakeholder meetings, and participated in 89 invited speaking engagements
- Secured long-term support contract for communications and EV Working Group

FY23 Major Activities

- Conduct initial meetings and activities of the EV Working Group
- Continued development of DriveElectric.gov and other resources
- Support stakeholder outreach to electric utilities and utility commissions to streamline permitting processes for EV charging
- Weekly webinars on topics identified as needed by TA team

Data and Analysis

FY22 Accomplishments

- Independent and external review of NEVI plans
- Initiated key projects at the National Labs and Volpe Center to make analytical tools more accessible to entities implementing BIL programs (e.g., EV charger siting)
- Provided a wide range of analytical support to NEVI guidance and various policy and program design decisions

FY23 Major Activities

- Scoping and development of a data portal to support FHWA proposed minimum standards and requirements for EV chargers
- Further develop & refine tools for states and others implementing BIL
- Complete studies that are required in BIL
- Support key reporting and analysis efforts

Standards and Reliability

FY22 Accomplishments

- Supported the proposed rulemaking on minimum standards for EV charging
- Engagement with industry stakeholders to inform identification of gaps and needs to enhance reliability across EV charging stakeholders (e.g. charging manufacturers, charging operators, auto OEMs, utilities, etc.)

FY23 Major Activities

- Stand up a Charging Reliability Improvement Team across the DOE National Labs together to develop and quickly deploy solutions to improve reliability
- Support the development of accessible cybersecurity protocols and practices for EV chargers
- Develop a software platform to facilitate adoption of electric vehicle, charger, and charger network interoperability protocols.

Operations

FY22 Accomplishments

- Initial and interim staffing of the Joint Office
- Hired Gabe Klein as ED, 3 additional federal positions filled
- Initial operations and administrative functions of the office established

FY23 Major Activities

- Grow office staffing to 50 FTEs (23 federal, 27 non-federal) to expand expertise, coverage, and impact
- Support administration and oversight of external funding awards (NETL).
- Overall management and administration of the Joint Office, including information technology, cooperative agreement administration and oversight, travel, program evaluation, and office space

What's Next for the Joint Office

NEVI Minimum Standards

Final Rule Published February 2023

- Enabled many states move forward with implementing their NEVI plan;
- DOT/DOE/JO + Office of Management and Budget priority rulemaking

Build America, Buy America

Final Waiver Published February 2023

- Effective as of March 23, 2023
- Waiver phased over time

Discretionary CFI Grants

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

- Development of community/corridor discretionary grant programs
- Application closes June 13, 2023

NEVI “gap-filling” grants

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

- Grants to States and local governments that require additional assistance to strategically deploy EV charging infrastructure, as determined by the DOT Secretary

Designation of Freight Corridors

Designate Freight Corridors

- Federal Highway Administration (FHWA) initiates designation of freight EV corridors

What's Next for the Joint Office

Round 7 – Request for Nominations (RFN)

Develop RFN for Round 7 AFC Designations

- Solicit nominations from States

Technical Assistance

Expand Scope to Focus on Implementation

- Expand activities to address issues related to implementation of EV chargers (e.g. permitting, utility issues, siting, right-sizing of stations, future proofing, etc.).

MOU Between NASEO/AASHTO

Support NEVI Implementation and Assist the JO with TA

- AASHTO/NASEO partnership launched on Sept. 7 and are convening states regionally and nationally to help ensure that EVSE investments are strategic, coordinated, efficient, and equitable.

Electric Vehicle Working Group

Convene EV Working Group Federal Advisory Committee (FACA) per BIL

- Including members from EV and battery industries, EVSE providers, utilities, fleets, ITS industry, property development industry, state transportation & energy agencies, labor, local and tribal governments, etc.



Connecting with the Joint Office



Webinar Topics Covered

January – May 2023

- Utility and PUC topics and engagement
- Regional approaches to transportation electrification
- EV charging station design
- Access Board design guidance
- Cybersecurity
- Demonstration of implementation tools
- Various equity topics



Upcoming Webinar Topics

May – June 2023

- Ensuring EV Station Reliability
- EV-ChART Data Platform
- Designing for Resiliency and Futureproofing
- Workforce Development
- NEVI Topical Office Hours
 - Data Platform
 - Performance-based Contracting



Technical Assistance

Technical Assistance Strategies

- Specialized assistance for **Tribal Nations, transit agencies, and school districts**
- **One-on-one meetings** with states and soon local governments to address questions and concerns related to NEVI Formula Program
- **Concierge service** (phone, email, web form) to efficiently route technical assistance requests for NEVI, electric school buses, and transit buses
- Technical assistance support team has **50 staff members across 10 organizations**.

Technical Assistance

The Joint Office of Energy and Transportation (Joint Office) provides technical assistance on planning and implementation of a national network of electric vehicle chargers and zero-emission fueling infrastructure as well as zero-emission transit and school buses.

States and Communities

The Joint Office provides technical assistance for [states and communities](#) creating and executing [state plans](#) under the National Electric Vehicle Infrastructure Formula Program and the Charging and Fueling Infrastructure Discretionary Grant Program.

Tribal Nations

The Joint Office provides technical assistance to [tribal nations](#) electrifying their transportation systems. Learn more about zero-emission transportation [funding opportunities for tribal nations](#).

School Districts

The Joint Office provides technical assistance to [school districts](#) applying for or receiving funding through the U.S. Environmental Protection Agency's Clean School Bus Program.

Transit Agencies

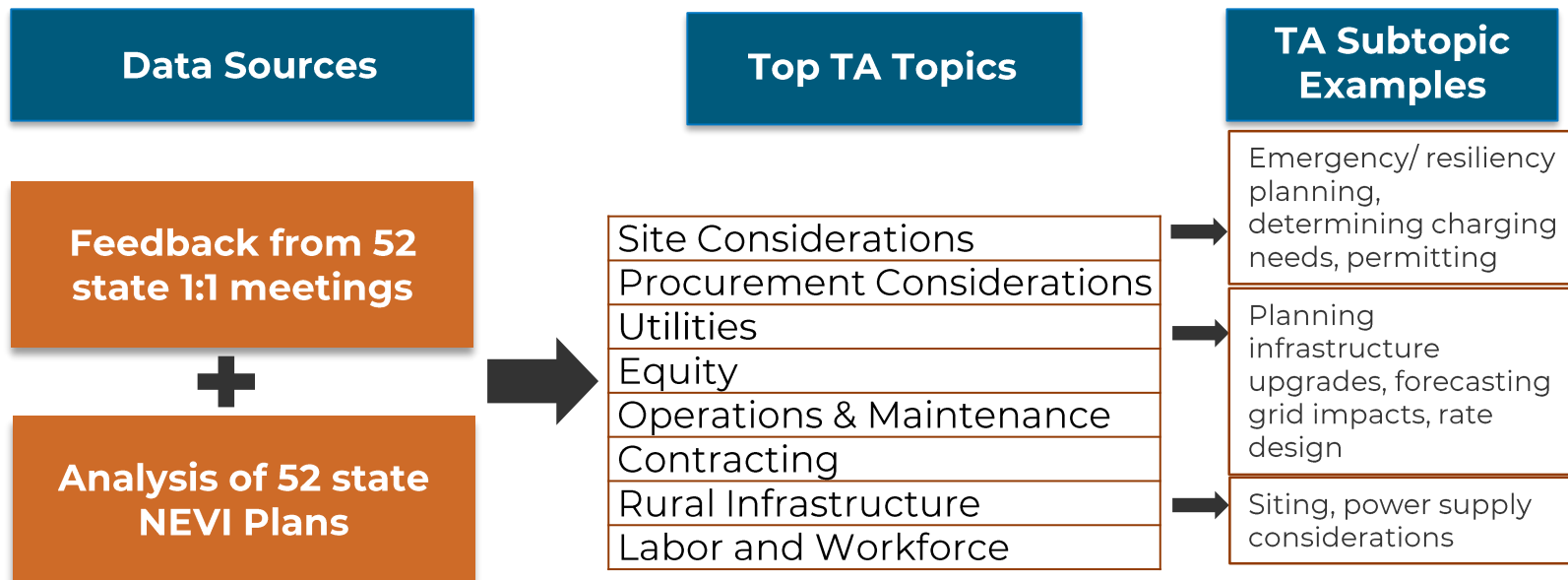
The Joint Office provides technical assistance to [transit agencies](#) applying for or receiving funding through the Federal Transit Administration's Low or No Emission Vehicle Program.

driveelectric.gov/technical-assistance

Concierge Service Contact Methods: 833-600-2751 | doe-dot.jo.ta@nrel.gov | driveelectric.gov/contact/

Top TA Needs

Identified states' top TA needs by categorizing state feedback and inquiries into a list of TA topics and subtopics.



~70% of identified needs fall into the eight top TA topic categories

- Joint Office sorted feedback (over 650 inquiries/comments) into 24 different topic categories.
- Each of the TA topics include granular issues, such as the TA subtopic examples above.

Alaska's NEVI Technical Assistance

The Joint Office TA team is providing support directly to AEA and DOTP&F:



1 : 1 Meetings

The Alaska NEVI team has met virtually with the JO and DO 5 times since September 2023.



Meeting with Peers

The JO has coordinated bi-monthly regional office hours for states to share experiences and information. The states also met in-person in January 2023 in California.



Document Support

The JO and DO reviewed Alaska's draft NEVI plan, DOTP&F-AEA MOU, and RFP.



Constant Contact with TA Lead

The TA team lead is available to answer questions and support between scheduled meetings via email and phone.



Thank You

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