



Agency Priority Goal | Action Plan | FY 22 – Q4

Electric Vehicle Charging Infrastructure deployment under Bipartisan Infrastructure Law (BIL)

Goal Leader(s): Gabe Klein, Executive Director (Joint Office of Energy and Transportation)

- Michael Berube, Deputy Assistant Secretary for Sustainable Transportation (DOE)
- Andrew Wishnia, Deputy Assistant Secretary for Climate Policy (DOT)

Goal Overview

Goal statement

Deploy Electric Vehicle Charging Infrastructure under the Bipartisan Infrastructure Law (BIL): The BIL invests in the deployment of a national network of electric vehicle (EV) chargers as one of many important ways that the Department of Transportation (DOT), the Department of Energy (DOE) and their newly formed Joint Office of Energy and Transportation are addressing the climate crisis. All three entities will support building a national network of electric vehicle chargers towards the President's BIL goal of installing 500,000 EV chargers. By September 30, 2023, the Joint Office of Energy and Transportation in conjunction with DOT and DOE will complete the following critical building blocks needed for the deployment of EV charging infrastructure:

- Issue a set of minimum standards and requirements for all EV chargers deployed under Title 23 generally, and the “National EV Infrastructure (NEVI) Formula Program” specifically, to ensure a convenient, affordable, reliable, and equitable EV charging network
- Facilitate the development and approval of State, Puerto Rico, and District of Columbia EV charging plans to establish a cohesive national EV charging network that covers all Interstates and designated highway corridors
- Distribute formula funds through the “National EV Infrastructure Formula Program” and awarding competitive grants under the NEVI Discretionary Grant Program to eligible entities following the timeline specified in the BIL
- Launch a federal EV Advisory Committee
- Provide technical assistance to school districts and transit operators deploying electric school and transit buses under BIL programs.

Problem to Be Solved

- The BIL makes the most transformative investment in EV charging in United States history to help tackle the climate crisis, create good-paying, union jobs to build the clean energy economy, and facilitate American innovation and energy independence

What Success Looks Like

- A nationwide network of 500,000 EV chargers by 2030 that ensures a convenient, reliable, affordable, and equitable charging experience for all users

↗ Tracking the goal

Goal target(s)

In the table below, please repeat the key metrics included in the goal statement (previous slide) that will be used to track progress.

Please update this column each quarter.

Achievement statement

Repeat the achievement statement from the goal statement on the previous slide

Key indicator(s)

A "key performance indicator" measures progress toward a goal target

Quantify progress

These values enable us (and you!) to calculate % complete for any type of target*

Frequency

When is there new data?

By...	We will...	Name of indicator	Target value	Starting value**	Current value as of Sept. 30, 2022	Update cycle
06/30/22	Begin offering technical assistance to school districts and transit operators deploying electric school and transit buses under BIL programs	Launch of technical assistance to support 1) Environmental Protection Agency (EPA) Clean School Bus and 2) Federal Transit Administration (FTA) Low-No transit programs	2	0	2	Quarterly
09/30/22	Facilitate the development and approval of State, Puerto Rico, and District of Columbia EV charging plans to establish a cohesive national EV charging network that covers all Interstates and designated highway corridors	Review and certification of 52 State, Puerto Rico, and District of Columbia EV charging plans to establish a cohesive national EV charging network	52	0	52	Quarterly
12/31/22	Issue a set of minimum standards and requirements for all EV chargers deployed under Title 23 generally, and the "National EV Infrastructure (NEVI) Formula Program" specifically, to ensure a convenient, affordable, reliable and equitable EV charging network	Final action on minimum standards	1	0	0	Quarterly
12/31/22	Distribute formula funds through the NEVI Formula Program and establish competitive grants under the Discretionary Grant Program for Charging and Fueling Infrastructure before the end of the 2022.	1) Certification of NEVI formula plans and approval to use formula funds and 2) establishment of the Discretionary Grant Program for Charging and Fueling Infrastructure	2	0	1	Quarterly
12/31/22	Launch a federal EV Advisory Committee	Membership announced for the EV Advisory Committee	1	0	0	Quarterly

Goal Team



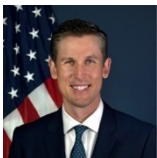
Goal Lead: Gabe Klein – Executive Director, Joint Office of Energy and Transportation



DOT Lead: Andrew Wishnia – Deputy Assistant Secretary for Climate Policy, U.S. Department of Transportation, Office of the Assistant Secretary for Transportation Policy



DOE Lead: Michael Berube – Deputy Assistant Secretary for Sustainable Transportation, U.S. Department of Energy Office of Energy Efficiency and Renewable Energy



FHWA Lead: Andrew Rogers – Chief Counsel, Federal Highway Administration



FTA Lead: Veronica Vanterpool – Deputy Administrator, Federal Transit Administration

Goal Strategies: Publication of NPRM

- Issuing a set of minimum standards and requirements for all EV chargers deployed under the BIL programs to ensure an affordable, reliable, accessible, and equitable EV charging network

Strategies:

- **Develop Notice of Proposed Rulemaking (NPRM)** - An NPRM is being created through a close collaboration among DOT, DOE, and the Joint Office of Energy and Transportation. The drafting team members included in this effort represent EV experts as well as subject matter experts in Administration priorities, including experts in Justice40, equity, and labor/workforce. Following review at OIRA, it will be released with a subsequent public comment period.
- **Finalize draft of NPRM** - The draft NPRM language will undergo a thorough review by DOT and DOE that will be conducted by a broad range of experts in EVs and in Administration priorities to ensure that the goals for the network (convenience, affordability, reliability, and equity) are addressed to the greatest extent legally possible.
- **Interagency review** - While other Federal agencies (e.g., the Departments of Justice and Treasury) have already been included in the development of the draft NRPM language, the broader interagency review will allow the NPRM drafting team to obtain additional feedback from agencies that have not yet been consulted with. As with the comments received from stakeholders and the public, appropriate input will be incorporated to the greatest extent legally possible toward the goal of maximizing the priorities for the EV charging network.
- **Publish NPRM** - DOT, DOE, and the Joint Office will collaborate via EV and Administration priority experts to address public comments and address appropriate input in the regulatory language prior to taking final action.
- **Finalize rule**, as appropriate.

Goal Strategies: Review of state EV plans and distribution of funds

- Facilitating the development and approval of state, Puerto Rico, and District of Columbia EV charging plans to establish a cohesive national EV charging network that covers all Interstates and designated highway corridors. Distributing formula funds via the “National EV Infrastructure (NEVI) Formula Program”

Strategies:

- **Develop criteria to review state plans** - The criteria being developed pull from the guidance document issued in February 2022 and are intended to both maximize the productivity and effectiveness of the program as well as addressing Administration priorities, such as Justice40, equity, and labor/workforce development.
- **Meet with states ahead of state plan submission** - Representatives of the Joint Office and FHWA have been and will continue to meet with states to answer questions, provide information, and evaluate state DOT progress to date, with the goal of maximizing the likelihood that States will submit plans that address all established criteria and are therefore appropriate for approval.
- **Plans submitted by August 1, 2022 to Joint Office** - As part of the meetings with states discussed above, DOT and the Joint Office will also seek to maximize the likelihood and improve the quality of state plans across all states, Puerto Rico, and the District of Columbia prior to or on the specified due date.
- **Review of state plans for National EV charging network that meets the guidance to states** - State plans will be evaluated according to the established criteria that has been communicated to them through the NEVI program guidance, additional published documentation such as frequently asked questions, and further supported by meetings and webinars.
- **Certification of State Plans** - Following an evaluation according to established criteria, the Joint Office will provide certification recommendations to FHWA. Following the receipt of certification recommendations, DOT will review and certify plans by September 30, 2022. State plans will be summarized and made available, per the Bipartisan Infrastructure Law, on DriveElectric.gov
- **Approval to use distributed funds** - Those states with approved plans will be provided approval to utilize the formula funding for EV charging installation projects in accordance with guidance and minimum standards and requirements issued by FHWA.

Goal Strategies: Issue Discretionary Grant Program

- Awarding competitive grants under the Discretionary Grant Program for Charging and Fueling Infrastructure to eligible entities following the timeline specified in the BIL.

Strategies:

- **Establish the Discretionary Grant Program for Charging and Fueling Infrastructure** - The development of this program will seek to maximize the goals of the program as laid out in BIL as well as other Administration priorities, such as Justice40, labor/workforce, and equity.
- **Develop Notice of Funding Opportunity (NOFO)** - The NOFO will include grant evaluation criteria that reflects program and Administration priorities.
- **Solicit Applications** - Publish NOFO and receive applications.
- **Review Applications** - The review team members included in this effort represent EV experts as well as subject matter experts in Administration priorities, including experts in Justice40, equity, and labor/workforce. The FHWA and the Joint Office will establish cross-agency teams to fully leverage the expertise available within both departments on these key issues. Consistent with M-22-12, the PIOs participate in cross-functional infrastructure implementation teams related to performance planning, management and reporting related to BIL and IIJA implementation.
- **Select Projects and Award Funding**

Goal Strategies: Launch EV Working Group

- Launching a federal EV Advisory Committee

Strategies:

- **Establish Federal Advisory Committee and charter for EV working group** - DOE will host the administrative support of the FACA and implementation with continuous DOT input, coordination, and review.
- **Request nominations for EV working group members** - A Request for Nominations (RFN) will be published that seeks potential candidates for participation in the working group.
- **Select members for EV working group** - The evaluation and ultimate selection of members for the working group will be a fully collaborative process between DOE and DOT. Both agencies recognize the importance of diversity in this working group and will seek to achieve a diverse membership to the greatest extent possible given the membership parameters set by the Bipartisan Infrastructure Law.
- **Hold first meeting of EV working group**

Goal Strategies: Technical Assistance for Electric Transit and School Buses

- Offering technical assistance to school districts and transit operators deploying electric school and transit buses under BIL programs

Strategies:

- **Establish FY22 budget for school and transit bus technical assistance** - DOT and DOE have recognized the important role that the Joint Office and its staff, with their depth and breadth of transportation electrification knowledge and experience, may play in supporting the Environmental Protection Agency's efforts to electrify school buses and Federal Transit Administration's efforts to electrify public transit buses, and will seek to provide technical assistance to school districts and transit agencies in order to strengthen the industries progress in these areas.
- **Begin execution of FY22 activities and launch technical assistance + expanded concierge by June 30, 2022** - Building on the Joint Office technical assistance platform to states through NEVI, the concierge service, which allows technical questions to be answered by subject matter experts, will be expanded to transit and school bus deployments.
- **Establish key partnerships with transit and school bus associations to facilitate peer exchange** - The Joint Office, in coordination with FTA and EPA, will facilitate coordination among key stakeholders in transit and school bus sectors to ensure resources are shared to support technical assistance, lessons learned, and best practices.
- **Issue solicitation for planning grants to transit operators and school districts**
- **Establish RideElectric.gov website for technical assistance for transit and school buses**

Key milestones [Joint & Program Offices]

Recent action:

- All 52 NEVI plans were approved and \$1.5B in funding has been made available for their implementation
- \$1.1B in funding for Low-No Emission grants were announced by Federal Transit Administration

Milestone Summary				
Key Milestone	Milestone Due Date <i>[e.g., Q2, FY 2017]</i>	Milestone Status <i>[e.g., Complete, On-Track, Missed]</i>	Owner <i>[optional column]</i>	Comments <i>[Provide discussion of Progress, changes from last update, Anticipated Barriers or other Issues Related to Milestone Completion]</i>
Issuing the guidance to states on the national EV Infrastructure formula programs	Q2, FY22	Complete	FHWA	NEVI program guidance issued Feb. 10 and frequently asked questions issued on June 9
Launch school and transit bus TA	Q3, FY22	Complete	JO/FTA/EPA	Joint Office and FTA held an informational webinar on technical assistance on September 15. On August 15, FTA announced \$1.1B in award for the first round of Low-No Emission grants. On September 29 th , EPA announced it will double funding for the first round of Clean School Bus grants due to increased demand. The Joint Office is working to develop a website - RideElectric.gov - as a hub for technical assistance.
Issue charter and request for nominations for EV Working Group	Q3, FY22	Complete	JO	FACA established and request for nominations issued on June 9; nominations were due on July 15
Development and approval of State, Puerto Rico, and District of Columbia EV charging plans	Q4, FY22	Complete	JO/FHWA	The Joint Office has connected with and provided technical assistance to all 52 NEVI formula program participants. All 52 plans were approved by FHWA in September.
Distribute Formula Funds	Q4, FY22	Complete	FHWA	\$1.5 billion in NEVI funds, covering FY22 and FY23, were made available upon approval of NEVI plans.
Designate EV Working Group Members	Q1, FY23	On-track	JO	FACA nominations are under review.
DriveElectric Charging Challenge Pilots and Demonstrations launched	Q2, FY23	Changed	JO	Issue of Notice of Intent rebaselined from Nov., 2022 to Feb., 2023.
Issue a set of minimum standards and requirements for EV chargers	Q1, FY23	On-track	FHWA	FHWA Published a Notice of Proposed Rulemaking on June 22. Comments were due on August 22 and are under review.
Issue NEVI Discretionary Grant Notice of Funding Opportunity	Q1, FY23	On-track	FHWA	
Initial NEVI charging station deployments (anticipated)	Q2, FY23	On-track	FHWA	

Narrative – FY 22 Q4

- All 50 states, Puerto Rico, and the District of Columbia submitted their State EV Infrastructure Deployment Plans to the Joint Office by the August 1st due date. Based on the review and recommendations of the Joint Office, FHWA approved all the plans by September 27th. Collectively, the plans unlock \$1.5 billion in funding to begin to build out electric charging corridors along over 75,000 miles of the highway system.
- In August, the Federal Transit Administration announced over \$1.1B in awards as part of the Low or No Emission Grant Program, which will nearly double the number of zero emission buses on the roads. In September, the Environmental Protection Agency announced \$1B in awards under the Clean School Bus program, nearly double the previously anticipated amount, due to increased demand in the program.
- Secretary Buttigieg and Secretary Granholm announced Gabe Klein as the Executive Director of the Joint Office of Energy and Transportation
- On June 22nd, the Federal Highway Administration published a Notice of Proposed Rulemaking on proposed minimum standards and requirements for EV chargers funded under Title 23, United States Code. Comments were due August 22, and FHWA received 384 comments from a broad cross-section of submitters. DOT and DOE are working to review comments and finalize the rulemaking expeditiously now that the comment period has closed.
- The Joint Office, through the DOE Office of Energy Efficiency and Renewable Energy established the EV Working Group, a Federal Advisory Committee established in BIL and issued a call for nominations. Nominations were due on July 15th. DOT and DOE will select members and schedule the first meeting by the end of the year.
- Federal Transit Administration worked with the Low and No Emission Vehicle and Component Performance Program Bus Testing Centers at Ohio State University and Auburn University to initiate directed research and capital improvements as directed in BIL.

Additional information

Contributing Programs

Organizations:

- Federal Highway Administration – National Electric Vehicle Infrastructure Formula Program
- Federal Transit Administration – Low or No Emission Grant Program
- Environmental Protection Agency – Clean School Bus Program

Regulations:

- Office of Information and Regulatory Affairs – facilitation of NPRM review and publication

Stakeholder / Congressional Consultations

- On November 29, 2021, FHWA published a request for information in the Federal Register to obtain public comments on the implementation of the EV charging infrastructure programs in BIL.
- The White House, in coordination with DOE and DOT, led a series of EV charging stakeholder engagements in December 2021.
- The Joint Office of Energy and Transportation provides Congressional notification of funding transfers between DOT and DOE to support its activities.
- The Joint Office of Energy and Transportation has signed a memorandum of understanding with the American Association of State Highway and Transportation Officials (AASHTO) and National Association of State Energy Officials (NASEO) to support the development and implementation of state EV charging plans. In July 2022, the Joint Office of Energy and Transportation formalized a cooperative agreement with AASHTO and NASEO to collaborate on technical assistance at the national, regional, state, and local level. A public kickoff meeting with over 300 stakeholders was held in September 2022.
- The development of the minimum standards and requirements require stakeholder consultation, which was obtained by the notice of proposed rulemaking that was published in the Federal Register. 384 comments were received by the August 22 deadline.
- On June 9th and 10th, the Department of Transportation, in collaboration with the Department of Energy and White House, hosted the Charging Forward Symposium to showcase both current electric vehicles and electric vehicle charging technology and to further the discussion on how to build a national network of EV chargers equitably and effectively.

- On August 31, FHWA published a proposed waiver for BuyAmerica provisions related to EV charging sites. 90 comments were received by the September 30 deadline.
- On September 15, the Federal Transit Administration, in collaboration with the Joint Office, held a webinar joined by over 400 participants, on new technical assistance to support transit agencies shift to for low or no emission transit vehicles and fleets.
- On September 8th, FTA hosted a webinar on the Bus Testing Program Notice of Proposed Rulemaking (NPRM) and invited public comments on a list of topics to streamline and enhance the program.
- On September 19, FTA participated in a panel on “Decarbonizing Transportation with Data” at the Intelligent Transportation Systems (ITS) World Congress in Los Angeles, CA and discussed FTA’s data-driven initiatives to help transit agencies transition to a zero-emissions fleet.
- The Joint Office, in coordination with DOE and DOT, has provided multiple briefings to Congressional member and committee staff on the progress of the Joint Office and implementation of federal programs related to EV charging.
- As of September 30, the Joint Office has fielded over 1,100 technical assistance inquiries through DriveElectric.gov, held 5 national webinars with average attendance of nearly 300 participants, conducted 78 stakeholder meetings, and participated in 89 invited speaking engagements.