



**PENNSYLVANIA STATE PLAN FOR  
NATIONAL ELECTRIC VEHICLE  
INFRASTRUCTURE DEPLOYMENT**



**Stakeholder Engagement Sessions - Fall 2022**

**National Electric Vehicle Infrastructure (NEVI) Formula Program**

Email: [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

PREPARED BY



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## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program



Signed by President Joe Biden in November 2021, the Bipartisan Infrastructure Law (BIL) provides states with \$7.5 billion to help make EV charging more accessible to all Americans for local and long-distance trips. This \$7.5 billion comprises the \$5 billion National Electric Vehicle Infrastructure (NEVI) Formula Program and the \$2.5 Discretionary Grant Program for Charging and Fueling Infrastructure.

Over the first five years of the NEVI Formula Program, Pennsylvania will receive \$171.5 million in dedicated formula funding.

The initial focus of this funding is for states to strategically deploy Direct Current Fast Charging (DCFC) stations along its designated Alternative Fuel Corridors (AFCs), to help build out the national EV AFC network. Once a state's AFC network is "fully built out" according to FHWA criteria — NEVI-compliant DCFC stations that are both: a) no more than 50 miles apart along each AFC; and b) no more than 1 mile from the nearest AFC exit — then that state may use NEVI Formula Program funds for EV charging infrastructure on any public road or other publicly accessible location.

Pennsylvania's NEVI State Plan was approved by FHWA on Sept. 14, 2022.

To increase business awareness of the Pennsylvania NEVI plan and available funding and to encourage networking and partnerships, the Pennsylvania Department of Transportation (PennDOT) hosted 10 in-person Stakeholder Engagement sessions across the Commonwealth and one virtual session in the fall of 2022.

These sessions were hosted at the following locations and dates:

- October 13, 2022 – Allentown, PA
- October 14, 2022 – Harrisburg, PA
- October 24, 2022 – Columbia, PA
- October 25, 2022 – Jessup, PA
- November 1, 2022 – Virtual Webinar
- November 3, 2022 – Pittsburgh, PA
- November 10, 2022 – Williamsport, PA
- November 15, 2022 – Blue Bell, PA
- November 22, 2022 – Philadelphia, PA
- December 1, 2022 – Reading, PA
- December 8, 2022 – Clearfield, PA

The report that follows highlights key meeting details and discussion themes from each session. For questions regarding the Pennsylvania NEVI business sessions, please contact [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov).

To learn more about PA's NEVI Plan and NOFO, visit [www.penndot.pa.gov/EV](http://www.penndot.pa.gov/EV) and select "National Electric Vehicle Infrastructure (NEVI) Formula Program."



# STAKEHOLDER ENGAGEMENT SESSION SUMMARIES

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# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program - ALLENTOWN



- Project:** NEVI PPL Stakeholder Engagement Session – Allentown, PA
- Date:** Thursday, October 13, 2022
- Time:** 10:00 am – 12:00 pm
- Location:** PPL Training Center - Walbert Classroom  
1639 Church Road  
Allentown, PA 18104
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PPL Electric Utilities (PPL)  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)
- Invitations:** Email invitation to the business stakeholder list (see appendix)
- Participants:** There were 35 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 10:00 am on Thursday, October 13, 2022, at the PPL Walbert Classroom. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL Electric Utilities (PPL), and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Dan Szekeres (Michael Baker)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Mark Kopko (PennDOT)
- NEVI Program Coordination – led by Dan Szekeres (Michael Baker)
- Utilities – led by Kim Gauntner (PPL)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Robert Young (DEP)

## Discussion Themes:

- Several participants were interested in the concept of suitability modeling and its potential application for communities to better understand charging needs and priorities.
- A potential idea was raised about integrating and prioritizing designated “opportunity zones” in the process of addressing equity considerations. These zones have been defined by the Pennsylvania Department of Community and Economic Development (PA DCED).

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program - ALLENTOWN



- Multiple participants represented private firms that assist in developing infrastructure connections. These firms can play a role in helping connect businesses to other network charging companies.
- Several large-scale convenience store companies have an emphasis on EV charging and are looking to help fill gaps within the Alternative Fuel Corridor (AFC) system.
- Businesses are evaluating ways to better support charging in urban environments including innovative ways to provide charging at on-street parking locations.

### **Attachments:**

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – HARRISBURG



- Project:** NEVI PPL Stakeholder Engagement Session – Harrisburg, PA
- Date:** Friday, October 14, 2022
- Time:** 10:00 am – 12:00 pm
- Location:** PennDOT Riverfront Office Center  
1101 S. Front Street  
Harrisburg, PA 17104
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PPL Electric Utilities (PPL)  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)
- Invitations:** Email invitation to the business stakeholder list (see appendix)
- Participants:** There were 26 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 10:00 am on Friday, October 14, 2022, at the PennDOT Riverfront Office Center. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL Electric Utilities (PPL), and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Dan Szekeres (Michael Baker)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Gunnar Rhone (PennDOT)
- NEVI Program Coordination – led by Dan Szekeres (Michael Baker)
- Utilities – led by Kim Gauntner (PPL)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Colton Brown (DEP)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- The City of Harrisburg continues to stress the need for PennDOT to consider equity needs in its distribution of funding under the NEVI program. Continued coordination will be important in identifying opportunities to address these needs.
- DC fast chargers recently funded under the DEP grant programs may help address some of the current AFC gaps. Companies who applied for DEP funding will continue to look for opportunities to further expand charging under the NEVI program.

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – HARRISBURG



- Organizations like the Pennsylvania Food Merchants Association (PFMA) continue to support the NEVI program by sharing funding opportunities with its member businesses.
- Many communities are interested in identifying opportunities under the NEVI program and further exploring how public charging can be integrated into urban areas.
- Participants expressed concerns regarding potential “Buy-America” requirements. Currently, those requirements are suspended due to national supply chain issues.



### Attachments:

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – COLUMBIA



**Project:** NEVI PPL Stakeholder Engagement Session – Columbia, PA

**Date:** Monday, October 24, 2022

**Time:** 10:00 am – 12:00 pm

**Location:** Columbia Market House  
15 S. Third Street  
Columbia, PA 17512

**Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PPL Electric Utilities (PPL)  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)

**Invitations:** Email invitation to the business stakeholder list (see appendix)

**Participants:** There were 18 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 10:00 am on Monday, October 24, 2022, at the Columbia Market House facility. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL Electric Utilities (PPL), and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Natasha Fackler (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Natasha Fackler (PennDOT)
- NEVI Program Coordination – led by Natasha Fackler (PennDOT)
- Utilities – led by Aaron Markowitz (PPL)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Tony Bandiero (CC)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- Many businesses and communities are interested in expanding DC fast charging to corridors outside of the interstate system. These may provide opportunities to address equity and other community charging needs.
- Some regional planning agencies are interested in being more involved in EV infrastructure planning and working with their communities on identifying needs and opportunities. For example, the City of Lancaster is interested in leveraging NEVI funds for planning purposes as they are starting to receive requests for on-street charging stations from those without off-street parking. The City wants to have a



plan in place to address the anticipated demand, particularly in their neighborhoods, to be ready for later years of the NEVI formula program and the discretionary programs.

- Planning agencies are interested in case study applications of EV community charging in other areas within the state and would support PennDOT efforts to share these examples.
- Parking garages are currently the primary locations for new EV charging infrastructure in the City of Lancaster. The Lancaster Parking Authority (LPA) has over 20 chargers / spots which are highly utilized. Currently, the LPA offers free charging at these spots.
- PennDOT has emphasized that their current plans are not to own or operate the stations funded under the NEVI program.
- Participants expressed significant interest and support in providing maintenance support for the charging stations, especially in rural areas where demand may be limited at first.
- Concerns were raised on how changing technology may be addressed within the funding timeframes of the NEVI program.
- A discussion addressed the future growth of electric vehicles in Pennsylvania. Manufacturer goals are greatly impacting the growth, and recent trends in growth are expected to continue over the next 5-10 years. The primary focus of the NEVI program is overcoming the “range anxiety” issues and addressing fast charging gaps.
- PennDOT addressed questions on whether there is enough NEVI funding to build out the AFC network and how long it will take. PennDOT is confident they are able to build out within the next 2-5 years and will use up the funding provided. Issues with the supply chain will be challenging as everyone (all states) are dealing with the same infrastructure request for the same time period.
- The issues and priorities related to utility infrastructure were raised. PennDOT highlighted other programs provided in the Bipartisan Infrastructure Law (BIL) that can support larger-scale utility expansion and upgrades.



## Attachments:

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania  
Department of  
Transportation – EV  
Team**

[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – JESSUP



**Project:** NEVI PPL Stakeholder Engagement Session – Jessup, PA

**Date:** Tuesday, October 25, 2022

**Time:** 2:00 pm – 4:00 pm

**Location:** Lackawanna County Center for Public Safety  
30 Valley View Drive  
Jessup, PA 18434

**Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PPL Electric Utilities (PPL)  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)

**Invitations:** Email invitation to the business stakeholder list (see appendix)

**Participants:** There were 54 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 2:00 pm on Tuesday, October 25, 2022, at the Lackawanna County Center for Public Safety facility. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL Electric Utilities (PPL), and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Natasha Fackler (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Natasha Fackler (PennDOT)
- NEVI Program Coordination – led by Natasha Fackler (PennDOT)
- Utilities – led by Aaron Markowitz (PPL)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Tony Bandiero (CC)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- MPOs are interested in supporting PennDOT in getting the word out on the NEVI program, helping their communities explore needs and opportunities, and conducting more work sessions with stakeholders.
- Attendees noted opportunities for the application of funding in historic districts. A draft rulemaking was developed in 2022 to exempt electric vehicle supply equipment from historic preservation review.

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – JESSUP



- Stakeholders in attendance noted significant interest in the NEVI funding but unfortunately, many locations they are interested in are more than 1-mile from the AFC corridors. In some cases, these chargers would be more than 1-mile but still be accessible to the AFC and also would provide community benefits.
- Supporting businesses like construction companies are interested in the specific requirements related to the NEVI program and whether competitive bid processes would also apply to the construction and maintenance of chargers.
- Participants provided questions on EV station costs. PennDOT is estimating that some fast charging stations may be over \$1 million if they are NEVI-compliant. However, costs may vary based on the number of plugs and whether funding is being used to upgrade existing charging stations.
- PennDOT stressed that the requirements for NEVI-funded stations and related EV workforce training requirements are based on FHWA's forthcoming rulemaking. PennDOT does not plan to provide more stringent or significant new criteria beyond what is proposed by FHWA.
- PennDOT does intend to utilize a portion of NEVI funding for education and public awareness, workforce development programs (curriculum development/implementation for auto techs), training (ex. first responder training), and feasibility studies/EV plan development (available to MPO/RPOs to assist municipalities, counties, or regional planning efforts). A specific plan for these activities has not yet been determined.
- PennDOT continues to evaluate practices for communities to integrate EV charging into future parking lot design. Resources and guidance from California may serve as a benchmark for future applications in Pennsylvania.



### Attachments:

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team –**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – WEBINAR



- Project:** NEVI Grant Pre-Announcement Virtual Webinar
- Date:** Tuesday, November 1, 2022
- Time:** 10:00 am – 12:00 pm
- Location:** Virtual via Microsoft Teams
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT)
- Invitations:** Emailed invitations and notice pushed out via press release and social media (see appendix)
- Participants:** More than 360 individuals attended the virtual webinar from a variety of industries and backgrounds.

## Overview:

The presentation began at 10:00 am on Tuesday, November 1, 2022 virtually via Microsoft Teams. A PowerPoint presentation was shared by the Pennsylvania Department of Transportation (PennDOT) while the EV team presented materials of the following agenda:

- PennDOT NEVI Grant Program Introduction
- PennDOT NEVI Grant Program Pre-announcement
- PennDOT NEVI Grant Program Location Map
- PennDOT NEVI Grant Program – How to get ready to apply
- PennDOT NEVI Grant Program – Next Steps

Following the presentation, there was a robust question and answer session. The webinar was recorded and interested parties can view the presentation and the recorded webinar on PennDOT's website at [Learn About NEVI \(pa.gov\)](https://www.pa.gov/learn-about-nevi).

## Attachments:

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team –**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – PITTSBURGH



**Project:** NEVI Duquesne Light Stakeholder Engagement Session – Pittsburgh, PA

**Date:** Thursday, November 3, 2022

**Time:** 1:00 pm – 3:00 pm

**Location:** Southwestern PA Commission Office  
Two Chatham Center, 4<sup>th</sup> Floor  
112 Washington Place  
Pittsburgh, PA 15219

**Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and Duquesne Light Electric Utilities (Duquesne Light) Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), Duquesne Light, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)

**Invitations:** Email invitation to the business stakeholder list (see appendix)

**Participants:** There were 28 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 1:00 pm on Thursday, November 3, 2022, at the Southwestern PA Commission Office. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), Duquesne Light, and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Natasha Fackler (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Natasha Fackler (PennDOT)
- NEVI Program Coordination – led by Natasha Fackler (PennDOT)
- Utilities – led by Sarah Olexsak (Duquesne Light)
- Clean Cities – led by Richard Price (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Colton Brown (DEP)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- Discussions were conducted on possible locations for charging in the Pittsburgh region. Pittsburgh Regional Transit (PRT) could be a possible host for infrastructure as long as it was publicly accessible and met the FHWA's minimum requirements.
- A discussion was conducted on PennDOT's approach to weighing the application criteria and the methods for the application scoring as detailed on PennDOT's NEVI

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – PITTSBURGH



website. For the first 2-years of NEVI funding, priorities are given to certain interstate exits if they support addressing key infrastructure gaps. Future NEVI funding years may have different scoring criteria methods.

- PennDOT indicated that applications will be site specific but there are opportunities to provide more than one site within a priority area or for an applicant to address multiple priority areas along the interstate system.
- Discussions were conducted on potential “Buy American” requirements. FHWA’s final rulemaking will ultimately determine these requirements. PennDOT does not plan to develop additional requirements beyond what FHWA specifies.
- Communities expressed interest in addressing other charging needs beyond the interstate system. As such, they are preparing for future years of NEVI funding and possible applications for the NEVI discretionary program. In support of those efforts, communities continue to evaluate suitability assessments and/or studies to better identify locations for charging.
- Suggestions were made that PennDOT provide additional webinars, question and answer sessions, and other associated outreach for the future Notice of Funding Opportunity (NOFO) under the NEVI program.

### **Attachments:**

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – WILLIAMSPORT



**Project:** NEVI PPL Stakeholder Engagement Session – Williamsport, PA

**Date:** Thursday, November 10, 2022

**Time:** 1:30 pm – 3:30 pm

**Location:** Lycoming College – Trogner Room  
Krapf Gateway Center  
One College Place  
Williamsport, PA 17701

**Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PPL Electric Utilities (PPL)  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)

**Invitations:** Email invitation to the business stakeholder list (see appendix)

**Participants:** There were 19 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 1:30 pm on Thursday, November 10, 2022, at Lycoming College Trogner Room in the Krapf Gateway Center. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PPL, and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Colton Brown (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Colton Brown (PennDOT)
- NEVI Program Coordination – led by Colton Brown (PennDOT)
- Utilities – led by Kim Gauntner (PPL)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Tony Bandiero (CC)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- Participants were interested in what a NEVI-compliant station looks like. PennDOT indicated there are currently about nine charging stations that meet NEVI requirements in the state. These may serve as examples for review. In addition, Electrify America has stations across the United States that may be reviewed as examples.

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – WILLIAMSPORT



- Several questions were raised on whether NEVI-funded stations would support trucks. PennDOT highlighted that the scoring of the current application does give additional points to charging systems that support freight movement. However, at this time freight is not the primary emphasis of the program. FHWA is expected to provide future guidance on addressing charging needs for freight, which may be supported through additional funding programs.
- Discussions highlighted the current fast-charging infrastructure gaps along I-80. These were illustrated by opening the interactive maps available on PennDOT's NEVI application website. The maps highlight the priority areas within 1-mile of the interstate exits.
- Several corridors outside of the interstate system were noted as important locations for future charging investments to support rural areas and longer-distance travel. In later years of the NEVI program, PennDOT will use NEVI funding to address these locations. These efforts may include designating additional corridors in the AFC system.
- PennDOT highlighted that the NEVI program funding requires a 20% match; as such, applicants will need to account for 20% of the project costs through other funding sources available. The grant term is for five years.
- PennDOT provided some examples of how NEVI funding may be used to support workforce development. This may include training programs across the Commonwealth at colleges.

### **Attachments:**

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – BLUE BELL



- Project:** NEVI PECO Stakeholder Engagement Session – Blue Bell, PA
- Date:** Tuesday, November 15, 2022
- Time:** 2:00 pm – 4:00 pm
- Location:** Montgomery County Community College – Blue Bell Campus  
340 DeKalb Pike  
Blue Bell, PA 19422
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PECO Utilities  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PECO, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)
- Invitations:** Email invitation to the business stakeholder list (see appendix)
- Participants:** There were 17 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 2:00 pm on Tuesday, November 15, 2022, at Montgomery County Community College in Blue Bell. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PECO, and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Natasha Fackler (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Natasha Fackler (PennDOT)
- NEVI Program Coordination – led by Natasha Fackler (PennDOT)
- Utilities – led by Monica Vona (PECO)
- Clean Cities – led by Tom Bonner (PECO)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Robert Young (DEP)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- Current utility infrastructure plays an important role in assessing the viability of certain sites for new charging infrastructure. Detailed utility infrastructure maps are typically not available to the public to support accurate assessments. PECO recommends submitting an application to them for their review that highlights the location and needs. Their staff can provide insights on potential utility infrastructure needs and costs related to the planned charging station. This assessment can be completed at several levels (e.g. planning level for assistance in NEVI application preparation; detailed level to support project implementation and design).

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – BLUE BELL



- Participants provided some questions on whether PennDOT plays a role in the selection of contractors for a particular charging station applicant. PennDOT indicated that the project team and associated contractors are decided upon by the application team. Any specific requirements are outlined in the future FHWA rulemaking.
- The applicant's team will need to ensure that they have the necessary trained contractors and inspectors as outlined in the federal requirements.
- Clean Cities can serve as a key resource to help applicants develop a project team that may include specific contractors, network companies, and hosting businesses.
- More detailed discussions were conducted on the PennDOT applicant selection process as outlined on PennDOT's NEVI application website. The website provides the full listing of criteria (e.g. location, communities impacted, EJ considerations, future-proofing, etc.). There is a point-based ranking in the application process based on these criteria. Each site is competing against others within a given geographic priority area circle.
- Participants inquired about addressing charging needs for trucks. PennDOT indicated that the federal government is coming out with medium and heavy-duty vehicle charging regulations in the future. In the meantime, PennDOT's current selection criteria does include items related to "future-proofing" and support for heavy-duty vehicles.
- Questions were raised on whether other grant funding opportunities could be combined with the NEVI funding. The forthcoming federal guidelines were referenced as a possible source of information on that topic.



### Attachments:

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – PHILADELPHIA



- Project:** NEVI PECO Stakeholder Engagement Session – Philadelphia, PA
- Date:** Tuesday, November 22, 2022
- Time:** 10:00am – 1:00pm
- Location:** Delaware Valley Regional Planning Commission (DVRPC)  
190 N. Independence Mall West, 8<sup>th</sup> Floor  
Philadelphia, PA 19106-1520
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and PECO Utilities  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PECO, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)
- Invitations:** Email invitation to the business stakeholder list (see appendix)
- Participants:** There were 29 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 10:00 am on Tuesday, November 22, 2022, at DVRPC headquarters. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), PECO, and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Natasha Fackler (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Natasha Fackler (PennDOT)
- NEVI Program Coordination – led by Natasha Fackler (PennDOT)
- Utilities – led by Monica Vona (PECO)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Robert Young (DEP)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- It was noted from a company that installs charging stations that there are several key issues/questions that they are most concerned with, or are looking to get more clarification on, regarding real estate acquisition/lease and O&M costs. These include:
  - The cost and time it takes for utility infrastructure upgrades is a key concern for use of NEVI funds.
  - Whether the construction is conducted using NEVI funds needs to be competitively bid. PennDOT has provided initial responses indicating that

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – PHILADELPHIA



NEVI funds are distributed, and the implementation is left up to the applicant. Final federal rulemaking on minimum requirements must be addressed if any items are included that relate to this issue.

- More clarification is needed on what site acquisition costs are covered under the NEVI program. Again, PennDOT indicated that the final federal rulemaking on minimum requirements may address some of these issues.
- PennDOT indicated they are planning to open the application period for at least a 3-month window. Concerns were raised at the meeting over shorter application windows of other grant programs in the past.
- There was some open discussion about utility coordination, the timeline for PECO's site and load analysis, and the template for utility information being included in the NEVI application.
- Additional meeting discussions with participants noted that some are hoping that PennDOT conducts an open Question/Answer session or webinar when the NOFO is released.
- Several communities are interested in assessing community charging needs. Sharing available information on PennDOT efforts related to suitability modeling may be of interest to these communities. Delaware County provided some insights on its current efforts related to suitability assessments and data.

### **Attachments:**

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – READING



- Project:** NEVI FirstEnergy Stakeholder Engagement Session – Reading, PA
- Date:** Thursday, December 1, 2022
- Time:** 1:00pm – 3:00pm
- Location:** Muhlenberg Township Building  
210 George Street  
Reading, PA 19605
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and FirstEnergy Utility  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), FirstEnergy, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)
- Invitations:** Email invitation to the business stakeholder list (see appendix)
- Participants:** There were 29 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 1:00 pm on Thursday, December 1, 2022, at Muhlenberg Township Building. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), FirstEnergy, and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Colton Brown (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Colton Brown (PennDOT)
- NEVI Program Coordination – led by Colton Brown (PennDOT)
- Utilities – led by Mike Huselton (FirstEnergy)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Robert Young (DEP)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- Participants were interested in how PennDOT may utilize NEVI funding for planning purposes. PennDOT will be working with their regional Metropolitan Planning Organizations (MPOs) and Rural Planning Organizations (RPOs) on ways to support regional and community initiatives and studies.
- Additional information and clarification are needed on the designated disadvantaged community areas (DACs) that are included in PennDOT's equity criteria. PennDOT's

## Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – READING



online mapping on their website includes a layer of these areas but further information may be provided in the future.

- Additional discussion was conducted on DEP's grant funding opportunities including the types of vehicles addressed and priority areas. Information on DEP's program can be found on the DEP's Driving PA Forward website.
- PennDOT indicated that NEVI funding can be used for utility upgrades if it only supports the charging station. Other larger-scale upgrades that support multiple locations outside of the station will not be covered under this NEVI Formula Program.
- The federal rulemaking will define the requirements for the workforce that installs, maintains, and inspects the charging station funded under NEVI. PennDOT does not expect to have specific requirements beyond what is set by FHWA.
- Participants initiated some discussion on how electric vehicles may impact the state's fuel tax. These issues will most likely be addressed by the PA legislature in the future.
- Additional questions were raised on the application process and priority areas. PennDOT provided an overview of the information provided on their NEVI applicant website including a review of several corridors and their associated priority areas. Round 1 will focus on the AFC and interstates only. Round 2 will apply off-interstate stations. Round 2 begins mid-2023 and will feature as many charging stations as possible within the defined 25-mile "bubbles"/regions.
- Cost is a factor of the project location based on the utilities needed or already present in that geographic region. If it is too difficult to get utilities to a specific location, then the program will need to review/modify with exceptions to help.
- The Reading Parking Authority asked if PennDOT knew of any consultants with experience developing municipal charging plans. The Parking Authority is working to prepare and plan for widespread electric vehicles, including locations such as a stadium/arena.
- IBEW sent multiple representatives and advised that of the 450 electricians represented by the Lancaster, Berks, and Schuylkill chapters, they are up to 50 with EVITP certification and plans for 50 more.



**Attachments:**

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

# Pennsylvania National Electric Vehicle Infrastructure (NEVI) Program – CLEARFIELD



- Project:** NEVI FirstEnergy Stakeholder Engagement Session – Clearfield, PA
- Date:** Thursday, December 8, 2022
- Time:** 1:00pm – 3:00pm
- Location:** PennDOT District 2-0 Office  
Main Conference Room  
70 PennDOT Drive  
Clearfield, PA 16830
- Format:** Scheduled and hosted by the Pennsylvania Department of Transportation (PennDOT) and FirstEnergy Utility  
Facilitated by PennDOT, Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), FirstEnergy, and Clean Cities (CC)  
PowerPoint Presentation (see appendix)
- Invitations:** Email invitation to the business stakeholder list (see appendix)
- Participants:** There were 21 individuals in attendance at the session from various industries and local municipalities.

## Overview:

The presentation began at 1:00 pm on Thursday, December 8, 2022, at the PennDOT District 2-0 Building. A PowerPoint presentation was hosted by the Pennsylvania Department of Transportation (PennDOT), Michael Baker International (Michael Baker), Department of Environmental Protection (DEP), FirstEnergy, and Clean Cities (CC) with the following agenda:

- About Electric Vehicles (EV) – led by Dan Szekeres (Michael Baker)
- Overview of Funding & Incentives for EV & EV Charging – led by Dan Szekeres (Michael Baker)
- National Electric Vehicle Infrastructure (NEVI) – led by Colton Brown (PennDOT)
- NEVI Needs & Opportunities – led by Dan Szekeres (Michael Baker)
- NEVI Application Process – led by Colton Brown (PennDOT)
- NEVI Program Coordination – led by Colton Brown (PennDOT)
- Utilities – led by Mike Huselton (FirstEnergy)
- Clean Cities – led by Tony Bandiero (CC)
- Support from Planning Agencies – led by Dan Szekeres (Michael Baker)
- Additional DEP Grant Programs – led by Michelle Ferguson (DEP)

Following the presentation, a few general questions were asked before stakeholders were encouraged to break into networking groups based on stations.

## Discussion Themes:

- Participants inquired about how PennDOT and Clean Cities were addressing disadvantaged areas concerning job opportunities and workforce training. It was noted that PennDOT and Clean Cities are working with career centers and career development schools (community colleges and technical centers) for training on electrical, IT, maintenance, and repair. This is not currently well defined in the



federal regulations but is becoming a greater focus for education and job opportunities. A more detailed plan for these efforts will be developed in the coming year.

- Clarification was provided that PennDOT NEVI funds could be provided to private companies to support new charging infrastructure, but that infrastructure must be open to the public and meet all federal NEVI requirements.
- PennDOT has engaged the rural electric companies and they are included in NEVI communication and outreach efforts.
- PennDOT provided a review of the applicant's website and priority areas for I-80. This highlighted the areas within 1-mile of the priority charging gap locations.
- Participants asked about future plans for signage and mapping related to fast charging at specific exits. PennDOT has some limitations on signing but will work with their signing trust and other PennDOT departments to ensure adequate wayfinding is provided to supplement existing phone apps and web information sites.
- Clean Cities provided additional insights into ways they can support the NEVI applications and the formation of teams. Different business models exist that may allow charging hosts to play alternative roles in the operation and maintenance of the chargers.
- A discussion was held on PennDOT's intentions to support regional electric vehicle planning. An RFP is coming out from North Central to identify other locations for charging with the goal of working ahead on the needs for the area. There are currently four charging stations in the six-county region.
- Future NEVI formula funding years may focus more on community charging and addressing Level 2 charging needs in rural areas. In addition, the NEVI discretionary program will provide additional funding support for community charging.
- Discussions were held on the role of home charging versus destination-based and fast charging needs. It is expected that most of the future charging will occur at a home.
- Utility companies continue to assess infrastructure needs and upgrades that are needed to support widespread electric vehicle charging.
- For rural expansion and access, participants indicated funding should focus on rural accessibility. In many cases, this will require further assessments of key corridors and destinations. Additional definitions may be required on what is considered "rural."



**Attachments:**

A copy of the Invitation and Presentation are in the appendix. Please note, this presentation was not recorded. If there are any questions, please feel free to contact:

**Pennsylvania Department of Transportation – EV Team**  
[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



**APPENDIX**  
INVITES  
FLIERS  
SOCIAL MEDIA  
PRESENTATION  
SURVEY RESULTS

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# INVITES

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## Winey, Janelle

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**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Tuesday, September 20, 2022 10:25 AM  
**Subject:** EXTERNAL: Learn about NEVI Funding & Network - Register Today!  
**Attachments:** NEVI\_Stakeholder\_AllSessions\_Flyer.pdf

We would like to invite you and/or the members of your network to join **PennDOT, PPL, PA DEP and the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT)** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

**Five initial sessions have been scheduled. Space is limited, so please register today for the location nearest you. Additional sessions will be scheduled in the future across the state.**

Please see the attached flyer with information on locations and times.

**Register online today at:** <https://forms.office.com/g/ziDbubcqDZ>

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#) outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist  
she/her/hers  
PA Department of Transportation | Policy Office  
400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120  
Phone: 717.409.3845 | Fax: 717.772.8443  
[www.penndot.pa.gov](http://www.penndot.pa.gov)

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**Winey, Janelle**

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**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Tuesday, September 20, 2022 11:01 AM  
**Subject:** EXTERNAL: Join Us 10/13 in Allentown to Learn about NEVI Funding & to Network!  
**Attachments:** 10.13-Allentown\_Flyer.pdf; NEVI\_Stakeholder\_AllSessions\_Flyer.pdf

 **pennsylvania**  
DEPARTMENT OF TRANSPORTATION

## PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING

**WHEN:**  
Thursday, October 13  
10 a.m. – 12 p.m.

**WHERE:**  
PPL Learning Center – Walbert Room  
1639 Church Rd  
Allentown, PA 18104

**Let us know you're joining us!**

Register Online    [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)    [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, PPL, PA DEP and the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT)** on **Thursday, October 13 from 10 a.m. to 12 p.m. in Allentown** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session closer to you that you would prefer to attend.

**Space is limited, register today! Additional sessions will be scheduled in the future across the state.**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist

she/her/hers

PA Department of Transportation | Policy Office

400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120

[www.penndot.pa.gov](http://www.penndot.pa.gov)

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**Winey, Janelle**

---

**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Tuesday, September 20, 2022 12:03 PM  
**Subject:** EXTERNAL: Join Us 10/14 in Harrisburg to Learn about NEVI Funding & to Network!  
**Attachments:** 10.14-Harrisburg\_Flyer.pdf; NEVI\_Stakeholder\_AllSessions\_Flyer.pdf

  
**PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING**

**WHEN:**  
Friday, October 14  
10 a.m. – 12 p.m.

**WHERE:**  
Riverfront Office Center Rooms 408 & 409  
1101 S. Front St.  
Harrisburg, PA 17104

**Let us know you're joining us!**

Register Online    [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)    [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, PPL, PA DEP and the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT)** on **Friday, October 14 from 10 a.m. to 12 p.m. in Harrisburg** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.



Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session closer to you that you would prefer to attend.

**Space is limited, register today! Additional sessions will be scheduled in the future across the state.**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist  
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**Winey, Janelle**

---

**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Tuesday, September 20, 2022 12:29 PM  
**Subject:** EXTERNAL: Join Us 10/24 in Columbia to Learn about NEVI Funding & to Network!  
**Attachments:** 10.24-Columbia\_Flyer.pdf; NEVI\_Stakeholder\_AllSessions\_Flyer.pdf



**PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING**

**WHEN:**  
Monday, October 24  
10 a.m. – 12 p.m.

**WHERE:**  
Columbia Market House  
15 S. Third St.  
Columbia, PA 17512

**Let us know you're joining us!**

Register Online    [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)    [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, PPL, PA DEP and the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT)** on **Monday, October 24 from 10 a.m. to 12 p.m. in Columbia** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session closer to you that you would prefer to attend.

**Space is limited, register today! Additional sessions will be scheduled in the future across the state.**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist

she/her/hers

PA Department of Transportation | Policy Office  
400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120  
[www.penndot.pa.gov](http://www.penndot.pa.gov)

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**Winey, Janelle**

---

**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Tuesday, September 20, 2022 1:15 PM  
**Subject:** EXTERNAL: Join Us 10/25 in Jessup to Learn about NEVI Funding & to Network!  
**Attachments:** 10.25-Jessup\_Flyer.pdf; NEVI\_Stakeholder\_AllSessions\_Flyer.pdf

  
**PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING**

**WHEN:**  
Tuesday, October 25  
2 p.m. – 4 p.m.

**WHERE:**  
Lackawanna County Center for Public Safety  
30 Valley View Dr.  
Jessup, PA 18434

**Let us know you're joining us!**

Register Online    [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)    [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, PPL, PA DEP and the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT)** on **Tuesday, October 25 from 2 p.m. to 4 p.m. in Jessup** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session closer to you that you would prefer to attend.

**Space is limited, register today! Additional sessions will be scheduled in the future across the state.**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist

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PA Department of Transportation | Policy Office  
400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120

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**From:** [PD\\_EV Corridors](#)  
**Subject:** PennDOT NEVI Grant Pre-Announcement & Webinar  
**Attachments:** [image002.png](#)  
[image003.png](#)



[PennDOT](#) has developed resources to help businesses and organizations to prepare in advance of the National Electric Vehicle Infrastructure (NEVI) Notice of Funding Opportunity announcement, which is anticipated for late December/early January.

The [NEVI Grant pre-announcement resources](#) include information about applicant eligibility, eligible projects, and eligible and ineligible costs. In addition, PennDOT has created an [interactive map](#) identifying existing AFC-qualifying stations and has grouped interchanges based on priority through a gap analysis.

An outline of the potential scoring criteria is also included listed in order of priority. Interested businesses and organizations are encouraged to review the ['How to Get Ready'](#) section on PennDOT's website for recommendations on how to prepare for the upcoming grant opening.

PennDOT will host an [informational webinar about the 2022 NEVI Grant Program on Tuesday, November 1, 2022, from 10 AM to noon](#).

This webinar is intended for all audiences interested in applying for PennDOT NEVI grant program funds. This webinar will provide an overview of the PennDOT NEVI grant program, as well as information on eligibility, types of projects funded, how to apply, eligible and non-eligible costs, and application best practices.

In addition, NEVI stakeholder sessions are being held around the state. These sessions will include a presentation portion, followed by an opportunity to network, and expand professional connections and partnerships. Interested parties can register for a session of interest on PennDOT's ["Learn About NEVI" webpage](#).

To learn more, visit PennDOT's [NEVI webpage](#) or email [PennDOT's EV team](#).

**Jamie Kopko** | Executive Policy Specialist

she/her/hers

PA Department of Transportation | Policy Office

400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120

Phone: 717.409.3845 | Fax: 717.772.8443

[www.penndot.pa.gov](http://www.penndot.pa.gov)

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**Winey, Janelle**

---

**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Wednesday, October 19, 2022 12:26 PM  
**Subject:** EXTERNAL: Join Us 11/3 in Pittsburgh to Learn about NEVI Funding & to Network!  
**Attachments:** 11.3 Pittsburgh NEVI Flyer.pdf; All Events\_NEVI Oct\_Nov 10.19.pdf



**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

# PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING

**WHEN**  
Thursday, November 3 @ 1 p.m. – 3 p.m.

**WHERE**  
Southwestern PA Commission Office  
Two Chatham Center, 4th Floor  
112 Washington Place | Pittsburgh, PA 15219

**LET US KNOW YOU'RE JOINING US!**

Register Online   [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)  [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, Duquesne Light, PA DEP and the Pittsburgh Region Clean Cities** on **Thursday, November 3 from 1 p.m. to 3 p.m. in Pittsburgh** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session that you would prefer to attend.

**Space is limited, register today!**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

Information about NEVI and future sessions will be added to our [Learn About NEVI webpage](#).

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Background:**

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

**Jamie Kopko** | Executive Policy Specialist

she/her/hers

PA Department of Transportation | Policy Office

400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120

Phone: 717.409.3845 | Fax: 717.772.8443

[www.penndot.pa.gov](http://www.penndot.pa.gov)

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**Winey, Janelle**

---

**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Tuesday, September 20, 2022 3:07 PM  
**Subject:** EXTERNAL: Join Us 11/10 in Williamsport to Learn about NEVI Funding & to Network!  
**Attachments:** 11.10-Williamsport\_Flyer.pdf; NEVI\_Stakeholder\_AllSessions\_Flyer.pdf





## PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING

**WHEN:**  
Thursday, November 10  
1:30 p.m. – 3:30 p.m.

**WHERE:**  
Lycoming College – Troegner Room  
Krapf Gateway Center  
One College Place, Williamsport, PA 17701

**Let us know you're joining us!**

Register Online    [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)    [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, PPL, PA DEP and the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT)** on **Thursday, November 10 from 1:30 p.m. to 3:30 p.m. in Williamsport** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session closer to you that you would prefer to attend.

**Space is limited, register today! Additional sessions will be scheduled in the future across the state.**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist  
she/her/hers  
PA Department of Transportation | Policy Office  
400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120  
[www.penndot.pa.gov](http://www.penndot.pa.gov)

**CONNECT WITH PENNDOT**

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#)

**Winey, Janelle**

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**From:** PD, EV Corridors <RA-PDEVCORRIDORS@pa.gov>  
**Sent:** Monday, October 24, 2022 9:50 AM  
**Subject:** EXTERNAL: Join Us 11/15 in Blue Bell to Learn about NEVI Funding & to Network!  
**Attachments:** 11.15 Blue Bell NEVI Flyer.pdf; All Events\_NEVI Oct\_Nov 10.19.pdf

**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

# PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING

**WHEN**  
Tuesday, November 15 @ 2 p.m. – 4 p.m.

**WHERE**  
College Hall (rooms 144/148/151)  
Montgomery County Community College  
Blue Bell Campus  
340 DeKalb Pike | Blue Bell, PA 19422

**LET US KNOW YOU'RE JOINING US!**

Register Online [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov) [penndot.pa.gov/EV](https://penndot.pa.gov/EV)

*Montgomery County Community College is not affiliated with the event and the College should not be contacted regarding the program.*

We would like to invite you, the members of your organization or network to join **PennDOT, PECO, and PA DEP on Tuesday, November 15 from 2 p.m. to 4 p.m. in Blue Bell** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information. We've also included a flyer on all the sessions being held in case there is another session closer to you that you would prefer to attend.

**Space is limited, register today!**

Register online today at: <https://forms.office.com/g/ziDbubcqDZ>

Information about NEVI and future sessions will be added to our [Learn About NEVI webpage](#).

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Background:**

The Federal Highway Administration (FHWA) has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment, required by the FHWA, to receive formula funding through the new NEVI Program created by the Bipartisan Infrastructure Law (BIL).

The [Pennsylvania NEVI Plan](#), submitted to the Joint Office of Energy and Transportation, outlines PennDOT's approach to the strategic deployment of a convenient, reliable, affordable, and equitable EV charging network to support range confidence for Pennsylvanians and visitors over the course of the NEVI Formula Program.

**Jamie Kopko** | Executive Policy Specialist  
she/her/hers  
PA Department of Transportation | Policy Office  
400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120  
Phone: 717.409.3845 | Fax: 717.772.8443  
[www.penndot.pa.gov](http://www.penndot.pa.gov)

**CONNECT WITH PENNDOT**

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#)

**From:** [PD\\_EV Corridors](#)  
**Subject:** Join us 12/1 in Reading to Learn about NEVI Funding & to Network!  
**Attachments:** [12.1 NEVI Event Flyer-Reading.pdf](#)  
[NEVI Events Flyer-ALL-Events-Nov\\_Dec\\_F.pdf](#)

**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

# PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING

**WHEN**  
Thursday, December 1 @ 1 p.m. – 3 p.m.

**WHERE**  
Muhlenberg Township Building  
210 George Street | Reading PA 19605

**PRESENTERS**  
PennDOT, FirstEnergy, EP-ACT, DEP

**LET US KNOW YOU'RE JOINING US!**

Register Online [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov) [penndot.pa.gov/EV](http://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, FirstEnergy, the Eastern Pennsylvania Alliance for Clean Transportation (EP-ACT) and PA DEP on Thursday, December 1 from 1 p.m. to 3 p.m. in Reading** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information.

**Register online today at:** <https://forms.office.com/g/ziDbubcqDZ>

Information about NEVI and future sessions will be added to our [Learn About NEVI webpage](#).

We look forward to seeing you and discussing the future of EV charging deployment in PA!

**Jamie Kopko** | Executive Policy Specialist

she/her/hers

PA Department of Transportation | Policy Office

400 North Street, 8<sup>th</sup> Floor | Harrisburg PA 17120

[www.penndot.pa.gov](http://www.penndot.pa.gov)

**CONNECT WITH PENNDOT**

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#)

**From:** [PD, EV Corridors](#)  
**Subject:** EXTERNAL: Join Us 12/8 in Clearfield to Learn about NEVI Funding & to Network!  
**Date:** Wednesday, November 16, 2022 9:43:35 AM  
**Attachments:** [Flyer-Clearfield.pdf](#)  
[NEVI Events Flyer-ALL-Events-Nov\\_Dec\\_F.pdf](#)



## PENNSYLVANIA ELECTRIC VEHICLE CHARGING FUNDING

**WHEN**

Thursday, December 8 @ 1 p.m. – 3 p.m.

**WHERE**

PennDOT District 2 Office – Main Conference Room  
70 PennDOT Drive | Clearfield PA 16830

**PRESENTERS**

PennDOT, FirstEnergy, PRCC, DEP

**LET US KNOW YOU'RE JOINING US!**



Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



[penndot.pa.gov/EV](http://penndot.pa.gov/EV)

We would like to invite you, the members of your organization or network to join **PennDOT, FirstEnergy, the Pittsburgh Region Clean Cities (PRCC) and PA DEP on Thursday, December 8 from 1 p.m. to 3 p.m. in Clearfield** for an educational stakeholder session highlighting the state plan for the National Electric Vehicle Infrastructure (NEVI) Formula Program. These sessions will include a presentation portion, followed by an opportunity to network and expand professional connections and partnerships.

Please see the attached flyer with information.

**Register online today at:** <https://forms.office.com/g/ziDbubcqDZ>

Information about NEVI and future sessions will be added to our [Learn About NEVI webpage](#).

We look forward to seeing you and discussing the future of EV charging deployment in PA!

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**CONNECT WITH PENNDOT**

[Facebook](#) | [Twitter](#) | [Instagram](#) | [LinkedIn](#) | [YouTube](#)



# FLIERS

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**JOIN US  
TO LEARN  
ABOUT...**

## ELECTRIC VEHICLE CHARGING FUNDING

PennDOT is facilitating stakeholder engagement sessions in partnership with local utilities, PA DEP, and the regional Clean Cities Coalition. These educational sessions are targeted toward businesses and stakeholders to highlight the state plan for the National Electric Vehicle Infrastructure (NEVI) program. In addition, our utility partner will provide information on how best to coordinate and request high level site analysis to estimate cost and options for power access. These events will include a 1-hour presentation, followed by a 1-hour networking session to encourage EV supply companies, potential site hosts, and small and diverse businesses to create connections for future NEVI fund applications.

### Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development with local utilities.
- ✓ Network with industry and businesses from the region.



**REGISTER  
TO ATTEND!**

<https://forms.office.com/g/ziDbubcqDZ>



#### COLUMBIA

Monday, October 24 @ 10 a.m. – 12 p.m.

#### JESSUP

Tuesday, October 25 @ 2 p.m. – 4 p.m.

#### VIRTUAL WEBINAR

Tuesday, November 1 @ 10 a.m. – 12 p.m.

#### PITTSBURGH

Thursday, November 3 @ 1 p.m. – 3 p.m.

#### WILLIAMSPORT

Thursday, November 10 @ 1:30 p.m. – 3:30 p.m.

#### BLUE BELL

Tuesday, November 15 @ 2 p.m. – 4 p.m.

#### PHILADELPHIA

Tuesday, November 22 @ 10 a.m. – 1 p.m.  
(EP-ACT Stakeholder Meeting)



#### Interactive Discussion

We'll talk about business needs and how EV fits in.



#### State & Local Leadership

Hear from PennDOT and local representatives.



#### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.



# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING



The Federal Highway Administration has approved PennDOT's State Plan for Electric Vehicle Infrastructure Deployment. Join us to learn about NEVI funding opportunities and hear from PPL on how to coordinate early in project development and how to request a high-level site analysis to estimate costs and options for power access. The session will also include an opportunity to network and expand professional connections and partnerships.

## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure (NEVI) Formula Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from PPL.
- ✓ Network with industry and businesses from the region.

## When and Where

Thursday, Oct. 13  
10 a.m. – 12 p.m.

PPL Learning Center – Walbert Room  
1639 Church Rd  
Allentown, PA 18104



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT, PPL, and local representatives.



### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.

**Let us know  
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Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



[penndot.pa.gov/EV](http://penndot.pa.gov/EV)

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## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure (NEVI) Formula Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from PPL.
- ✓ Network with industry and businesses from the region.

## When and Where

Friday, Oct. 14  
10 a.m. – 12 p.m.

Riverfront Office Center – Rooms 408 & 409  
1101 S. Front St.  
Harrisburg, PA 17104



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT, PPL, and local representatives.



### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.

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Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



[penndot.pa.gov/EV](http://penndot.pa.gov/EV)

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## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure (NEVI) Formula Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from PPL.
- ✓ Network with industry and businesses from the region.

## When and Where

Monday, Oct. 24  
10 a.m. – 12 p.m.

Columbia Market House  
15 S. Third St.  
Columbia, PA 17512



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT, PPL, and local representatives.



### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.

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Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



[penndot.pa.gov/EV](http://penndot.pa.gov/EV)

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## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure (NEVI) Formula Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from PPL.
- ✓ Network with industry and businesses from the region.

## When and Where

Tuesday, Oct. 25  
2 p.m. – 4 p.m.

Lackawanna County Center for Public Safety  
30 Valley View Dr.  
Jessup, PA 18434



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT, PPL, and local representatives.



### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.

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Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)



[penndot.pa.gov/EV](http://penndot.pa.gov/EV)

# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING



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## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure (NEVI) Formula Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from PPL.
- ✓ Network with industry and businesses from the region.

## When and Where

Thursday, Nov. 10  
1:30 p.m. – 3:30 p.m.

Lycoming College – Troegner Room  
Krapf Gateway Center  
One College Place, Williamsport, PA 17701



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT, PPL, and local representatives.



### Networking Opportunity

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[penndot.pa.gov/EV](http://penndot.pa.gov/EV)

# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING

## About

PennDOT has submitted the State Plan for Electric Vehicle Infrastructure Deployment. Join us to learn about NEVI funding opportunities and hear from local utilities on how to coordinate early in project development and how to request a high-level site analysis to estimate costs and options for power access. The session will also include an opportunity to network and expand professional connections and partnerships.

## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from local utilities.
- ✓ Network with industry and businesses from the region.

## When and Where



Tuesday November 1  
10 a.m. – 12 p.m.

NEVI Grant Program Webinar  
Virtual Webinar



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT and local representatives.

**Register to Attend at**  
[penndot.pa.gov/evs/Learn About NEVI](https://penndot.pa.gov/evs/Learn%20About%20NEVI)



Register Online

# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING

## About

PennDOT has submitted the State Plan for Electric Vehicle Infrastructure Deployment. Join us to learn about NEVI funding opportunities and hear from local utilities on how to coordinate early in project development and how to request a high-level site analysis to estimate costs and options for power access. The session will also include an opportunity to network and expand professional connections and partnerships.

## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from local utilities.
- ✓ Network with industry and businesses from the region.

## When and Where

Thursday, November 3  
1 p.m. – 3 p.m.

Southwestern PA Commission Office  
Two Chatham Center, 4th Floor  
112 Washington Place | Pittsburgh, PA 15219



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT and local representatives.



### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.

**Let us know  
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Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

Check out the latest events scheduled at [Learn About NEVI \(pa.gov\)](https://www.pa.gov/learn-about-nevi)

# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING

## About

PennDOT has submitted the State Plan for Electric Vehicle Infrastructure Deployment. Join us to learn about NEVI funding opportunities and hear from local utilities on how to coordinate early in project development and how to request a high-level site analysis to estimate costs and options for power access. The session will also include an opportunity to network and expand professional connections and partnerships.

## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from local utilities.
- ✓ Network with industry and businesses from the region.

## When and Where

Tuesday, November 15  
2 p.m. – 4 p.m.

College Hall (Rooms 144)  
Montgomery County Community College  
Blue Bell Campus  
340 DeKalb Pike | Blue Bell, PA 19422

*Montgomery County Community College is not affiliated with the event and the College should not be contacted regarding the program*



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT and local representatives.



### Networking Opportunity

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## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from local utilities.
- ✓ Network with industry and businesses from the region.

## When and Where

Tuesday, November 22  
10 a.m. – 1 p.m.

EP-ACT Stakeholder & NEVI Meeting  
DVRPC  
190 N Independence Mall West, 8th Floor  
Philadelphia, PA 19106-1520



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT and local representatives.



### Networking Opportunity

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# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING

## About

PennDOT has submitted the State Plan for Electric Vehicle Infrastructure Deployment. Join us to learn about NEVI funding opportunities and hear from local utilities on how to coordinate early in project development and how to request a high-level site analysis to estimate costs and options for power access. The session will also include an opportunity to network and expand professional connections and partnerships.

## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from local utilities.
- ✓ Network with industry and businesses from the region.

## When and Where

Thursday, December 1, 2022  
1 p.m. – 3 p.m.

Presenters: PennDOT, FirstEnergy, EP-ACT, DEP

Muhlenberg Township Building  
210 George Street | Reading PA 19605



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT and local representatives.



### Networking Opportunity

Meet and expand your network of contacts interested and in the EV industry.

**Let us know  
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Register Online



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Check out the latest events scheduled at [Learn About NEVI \(pa.gov\)](https://www.pa.gov/learn-about-nevi)

# JOIN US TO LEARN ABOUT ELECTRIC VEHICLE CHARGING FUNDING

## About

PennDOT has submitted the State Plan for Electric Vehicle Infrastructure Deployment. Join us to learn about NEVI funding opportunities and hear from local utilities on how to coordinate early in project development and how to request a high-level site analysis to estimate costs and options for power access. The session will also include an opportunity to network and expand professional connections and partnerships.

## Why Join Us

- ✓ Learn about the new National Electric Vehicle Infrastructure Program.
- ✓ Learn how to coordinate early in project development and how to request high level site analysis from local utilities.
- ✓ Network with industry and businesses from the region.

## When and Where

Thursday, December 8, 2022  
1 p.m. – 3 p.m.

Presenters: PennDOT, FirstEnergy, PRCC, DEP

PennDOT District 2 Office – Main Conference Room  
70 PennDOT Drive | Clearfield PA 16830



### Interactive Discussion

We'll talk about business needs and how EV fits in.



### State & Local Leadership

Hear from PennDOT and local representatives.



### Networking Opportunity

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Register Online



[ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)

Check out the latest events scheduled at [Learn About NEVI \(pa.gov\)](https://www.pa.gov/learn-about-nevi)



# SOCIAL MEDIA

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**REGISTER TODAY!**



**JOIN US**  
for a stakeholder session  
about Electric Vehicles!

✓ Thursday, October 13 – Allentown  
✓ Friday, October 14 – Harrisburg  
✓ Monday, October 24 – Columbia  
✓ Tuesday, October 25 – Jessup  
✓ Thursday, November 10 – Williamsport

 **pennsylvania**  
DEPARTMENT OF TRANSPORTATION



 **pennsylvania**  
DEPARTMENT OF TRANSPORTATION

**ATTEND A NEVI  
FUNDING &  
NETWORKING  
EVENT NEAR YOU!**

Learn about  
PA's State Plan  
& Expand  
Your Network

Space is limited,  
Register TODAY!





## REGISTER TODAY

to learn about  
PA's NEVI State  
Plan & Funding.



Expand your network and partnerships!

## JOIN US

for a stakeholder session  
about Electric Vehicles!

- ✓ Monday, October 24 – Columbia
- ✓ Tuesday, October 25 – Jessup
- ✓ Tuesday, November 1 – Virtual Webinar
- ✓ Thursday, November 3 – Pittsburgh
- ✓ Thursday, November 10 – Williamsport
- ✓ Tuesday, November 15 – Blue Bell
- ✓ Tuesday, November 22 – Philadelphia



# JOIN US

for a stakeholder session  
about Electric Vehicles!

- ✓ Tuesday, November 15 – Blue Bell
- FULL** Tuesday, November 22 – Philadelphia
- ✓ Thursday, December 1 – Reading
- ✓ Thursday, December 8 – Clearfield



## ATTEND A NEVI FUNDING & NETWORKING EVENT NEAR YOU!

Learn about PA's State Plan  
& Expand Your Network

**SPACE IS LIMITED,  
REGISTER TODAY!**



Expand your network and partnerships!

**REGISTER TODAY**  
to learn about  
PA's NEVI  
State Plan & Funding.





# PRESENTATION

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# PENNSYLVANIA NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE (NEVI) PROGRAM

SUPPORTING AGENCIES FOR STAKEHOLDER SESSION:  
PPL ELECTRIC UTILITIES, DEP & CLEAN CITIES

1

## WHY TALK ELECTRIC VEHICLES NOW?

EVs More  
**Affordable** & More  
People Buying

New **Funding** for  
Public Charging

Need for More  
Community  
**Planning** &  
**Education**

Identify Key  
**Opportunities** &  
**Challenges**

Ensure EVs &  
Funding Benefit  
All Populations  
**(Equity)**



2

# NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE (NEVI)

Dan Szekeres



3

## RANGE OF GRANTS & INCENTIVES AVAILABLE

- Federal Tax Grants
- DEP Grants
- DOT Grants
- Utility Programs

DOT Funding and Financing Programs with EV Eligibilities\*

	FY 20221 AMOUNT						
<b>FORMULA PROGRAMS</b>							
National Highway Performance Program (NHPP)	\$28.4 B <sup>1</sup>						
Surface Transportation Block Grant Program (STBG)	\$12.5 B <sup>1A</sup>						
Congestion Mitigation & Air Quality Improvement Program (CMAQ)	\$2.5 B <sup>1</sup>						
National Highway Freight Program (NHFP)	\$1.4 B <sup>1</sup>						
State Planning and Research (SPR)	\$983.3 M <sup>1A</sup>						
Metropolitan Planning (PL)	\$438.1 M <sup>1</sup>						
Carbon Reduction Program	\$1.2 B <sup>1A</sup>						
National Electric Vehicle (NEVI) Formula Program	\$665 M <sup>1A</sup>						
<b>DISCRETIONARY PROGRAMS</b>							
Rebuilding American Infrastructure with Sustainability and Equity (RAISE) (formerly known as BUILD)	\$1.5 B						
Infrastructure for Rebuilding America (IRISA) Grant Program	\$1.64 B <sup>1A</sup>						
Advanced Transportation and Technologies and Innovative Mobility Deployment	\$60 M <sup>1</sup>						
Discretionary Grant Program for Charging and Fueling Infrastructure	\$300 M <sup>1A</sup>						
Rural Surface Transportation Grant	\$300 M <sup>1A</sup>						

Construction and installation of EV charging infrastructure including parking facilities and utilities.	Workforce development and training related to EV infrastructure.	EV acquisitions and engine conversions - cars or trucks.	Planning for EV charging infrastructure and related projects.	Construction and installation of EV charging infrastructure to support operational, resiliency, national energy security, environmental, and community goals for freight transportation.	Installation of EV charging infrastructure as part of transit capital projects eligible under chapter 53 of title 49, United States Code.

4

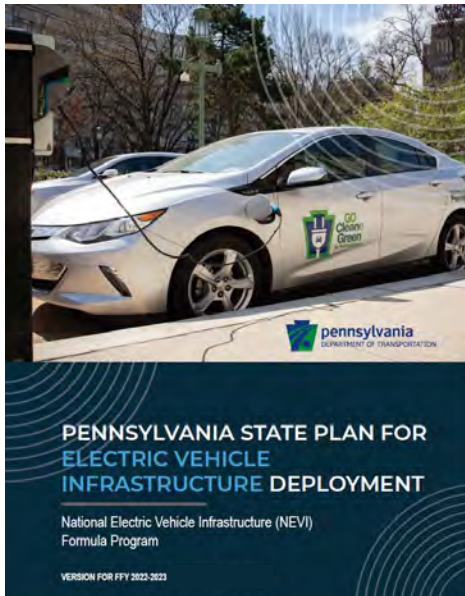
## OVERVIEW OF NEVI FORMULA PROGRAM

- Funded through the 2021 Bipartisan Infrastructure Law (BIL)
- Provides PA \$171.5 million over next 5 years for electric vehicle (EV) infrastructure
  - Federal Fiscal Year 2022 - \$25.4 million
  - Federal Fiscal Years 2023-2026 - \$36.5 million annually
- All states must submit a NEVI State Plan before funds can be used. Must be updated annually.
  - PennDOT submitted state plan on July 21, 2022.
  - PennDOT NEVI plan approved on Sept 14, 2022.
- Pre-announcement of Funding Opportunity – Oct. 12, 2022
  - Informational Webinar for interested proposers – Nov. 1, 2022
- Proposal Announcement late December/early January



5

## PENNDOT NEVI STATE PLAN



Approved by USDOT / On PennDOT's Website  
Search for "PennDOT NEVI State Plan"

### What's in the Plan?















- Vision and goals for the NEVI program
- Focus areas for NEVI program spending
- Needs, gaps and opportunities
- Key challenges and risks
- Contracting framework (more to come)
- Labor and workforce needs and actions
- Engagement and equity priorities




6

# EV CHARGING

## How to Charge Your EV

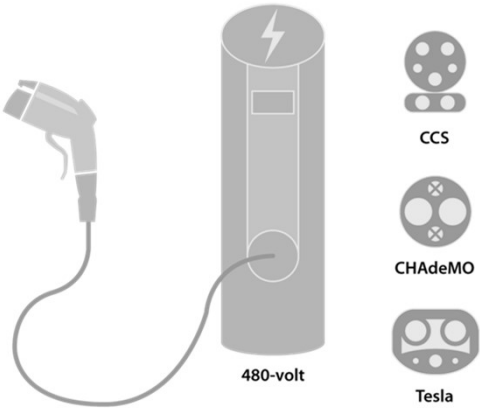
	 Charge Time	 Charging Locations	 EV Plug Type	 Power Source
<b>Level 1</b>	<b>3.5 - 6.5 miles</b> Per Hour	Residential, Workplace	 J1772  Tesla	 Standard Wall Outlet
<b>Level 2</b>	<b>14 - 35 Miles</b> Per Hour	Residential, Workplace, Destinations	 J1772  Tesla	 Heavy Duty Outlet (Dryer/Cooking Appliances)
<b>DC Fast Charge</b>	<b>200+ miles</b> Per Hour	Highways, Communities, Destinations	 CCS  CHAdeMO  Tesla	 Charging Station



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# QUALIFYING CHARGERS

- DC Fast Charging
- Public (Tesla doesn't count now)
- 4 ports
- CCS Connectors
- At least 150kw power per port (600kw total)
- Within 1-mile of highway, 50 miles of the next station




480-volt

CCS

CHAdeMO

Tesla



8

# ALTERNATIVE FUEL CORRIDORS (AFC)



- PennDOT has nominated corridors over 6 rounds - includes interstates and portions of US 30, US 15, Route 1, and Route 422 - over 1,800 miles of roadway
- NEVI funding must be applied to AFCs until a **“Build-Out”** certification by FHWA



9

# CHALLENGE OF ADDRESSING EQUITY

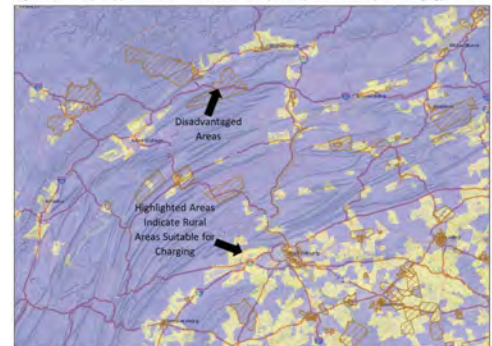
## NEVI ACTION STEPS

- 1** DEVELOP AND MAINTAIN EV EQUITY PRINCIPLES TO INFORM AND GUIDE NEVI PROGRAM DECISIONS
- 2** COORDINATE WITH EQUITY AND ADVOCACY GROUPS FOR DEVELOPMENT OF THE NEVI STATE PLAN
- 3** IDENTIFY LOCAL DACS WITHIN PENNSYLVANIA AND INTEGRATE INFORMATION INTO PROGRAM PROCESSES
- 4** IDENTIFY AND TARGET INTERSTATE AND NON-INTERSTATE CORRIDORS OR DESTINATIONS THAT SERVE DACS
- 5** PROVIDE OPPORTUNITIES FOR FUNDING TO SMALL OR DISADVANTAGED BUSINESSES

DAC = Disadvantaged Communities



Figure 10: Example Application of EZMT Tool in Pennsylvania (Rural Suitability for Charging)



10

# CHALLENGE OF ADDRESSING EQUITY

- 6** INTEGRATE EQUITY CRITERIA INTO THE PROJECT PRIORITIZATION AND SELECTION PROCESS
- 7** EXPAND ENGAGEMENT TO EQUITY GROUPS TO BETTER UNDERSTAND NEEDS AND OPPORTUNITIES AND BENEFITS RECEIVED FROM THE NEVI PROGRAM
- 8** DEVELOP A MONITORING DASHBOARD TO TRACK AND REPORT HOW NEVI INVESTMENTS ADDRESS DACS
- 9** SUPPORT WORKFORCE DEVELOPMENT FOR LOW-INCOME AND MINORITY WORKERS
- 10** ADDRESS TITLE VI, ADA AND SECTION 504 CONSIDERATIONS

Targeted Outreach to DACs to Evaluate Needs and Benefits of NEVI Program To Those Communities



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# FUTURE NEVI DISCRETIONARY PROGRAM



**Discretionary Grant Program - \$2.5 billion for all alternative fuels** (EV, compressed natural gas, hydrogen, etc.).

These funds **focus on AFC development and community alternative fueling projects.**

- **\$1.25 billion** is for designated AFCs while the other half is for community funding. Eligible entities include States, Local governments, Planning Agencies (MPOs/RPOs), Transit and Port Authorities, and Tribal governments.
- **\$1.25 billion** is designated for **Community fueling projects** must be on any public road or in other publicly accessible locations.

Priority will be given to projects in rural areas, low-to-moderate income neighborhoods, and communities with a low ratio of private parking spaces to households or a high ratio of multiunit dwellings to single family homes.



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# NEVI GRANT PROGRAM

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## PENNDOT FUNDING ROUNDS

Round 1	Round 2	Round 3	Future Rounds
Primary/Auxiliary AFC Interstates	Round 1 Unfilled Interstates/ Other AFC Routes		
Dec 2022 <i>(Anticipated)</i>	Mid 2023 <i>(Anticipated)</i>	2024 <i>(Anticipated)</i>	TBD <i>(Anticipated)</i>
<b>FY 22 - \$25.4 million</b> <b>FY 23 - \$36.5 million</b> <i>(PennDOT NEVI funding)</i>		<b>FY 24 - \$36.5 million</b> <b>FY 25 - \$36.5 million</b> <b>FY 26 - \$36.5 million</b> <i>(PennDOT NEVI funding)</i>	
FY '22 & '23 - Approx. \$56 million <i>(Anticipated available amount for applicants)</i>		FY '24, '25, '26 - Approx. \$100 million <i>(Anticipated available amount for applicants)</i>	

\* Note: This is the total NEVI funding available by federal fiscal year. Some of this amount may be used for labor & workforce training, planning, outreach, and program management as allowed by NEVI guidelines. Remaining amount will be available for applicants.



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## ELIGIBLE COSTS

- **Program administration** costs.
- Costs for **pre-construction**
- **Construction** costs (as defined under 23 U.S.C. 101(a)(4)) directly related to EV charging station
- Costs for **planning, permitting, acquisition, and installation of on-site distributed energy resource equipment** (e.g., solar arrays, stationary batteries).
- Costs to **acquire and install on-site electric service equipment** (e.g., power meter, transformer, switch gear)
- Cost of **minor grid updates** (i.e. work necessary to connect a charging station to the electric grid distribution network).
- Costs to **repair, upgrade, and/or replace existing EV charging equipment to meet NEVI** minimum standards/requirements.
- Costs to **upgrade existing EV charging stations to meet ADA requirements.**
- Costs to **purchase proprietary adapters.**
- Cost to **install, operate, and maintain electric vehicle charging infrastructure (up to 5 years after the charging station is commissioned)**
  - Charging equipment lease fees (lease charging equipment rather than purchase).
  - Cellular network fees, internet service fees, or other similar fees.
  - Hardware and software maintenance and repair costs, including service agreements with third-party contractors and charging equipment manufacturers or warrantors.
  - Other operation costs that are necessary and directly related to the charging of vehicles.
- Cost to **install signage at site**
- Costs for **data sharing** about EV charging infrastructure to ensure the long-term success of investments.
  - This includes, to the extent practicable, costs related to the specific data sharing requirements of this program as well as costs of data sharing on all chargers and charging activities on the EV network.



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## INELIGIBLE COSTS

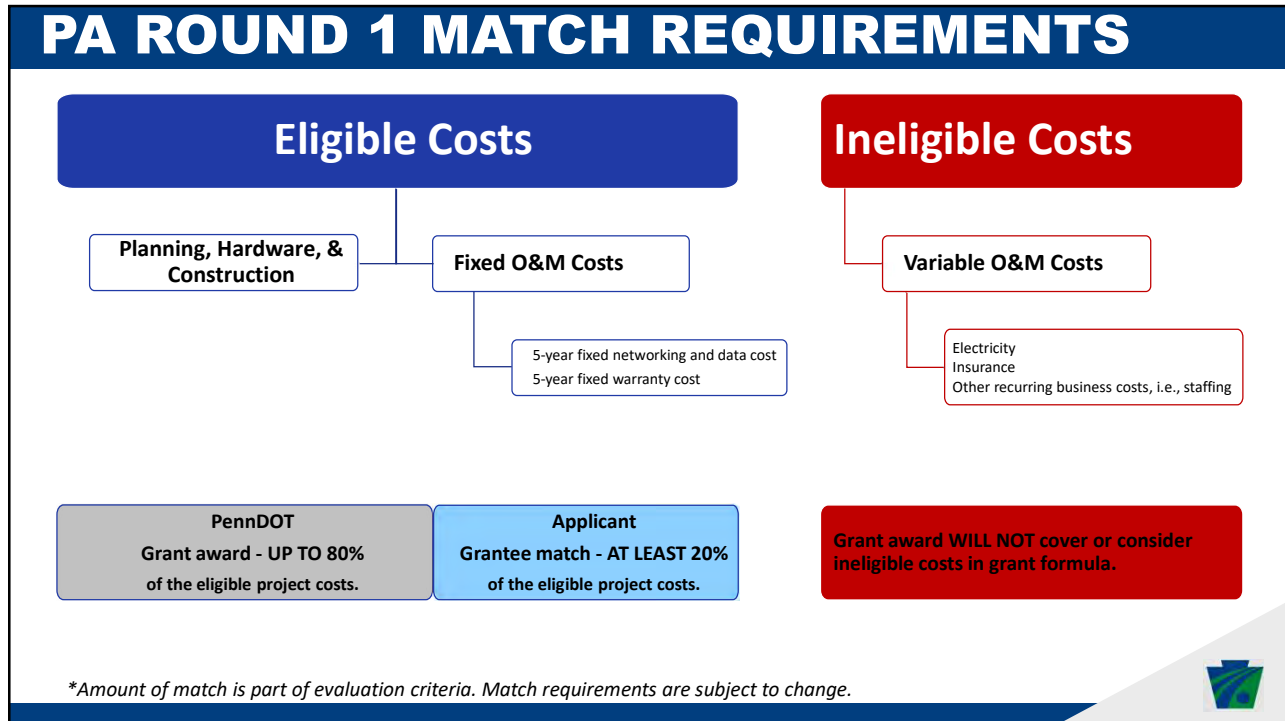
1. Any costs incurred prior to grant award.
2. Any costs not directly related to an EV Charging Station.
3. Purchase or rental of real estate.
4. Construction or general maintenance of building and parking facilities (if not directly related to EV Charging Station).
5. Cost of major grid upgrades (longer line extension or upgrades, improvements to offsite power generation, bulk power transmission, or substations).

\* These are preliminarily identified eligible and ineligible costs. PennDOT is currently working with the Joint Office, FHWA, and its internal agency team to finalize the eligible and ineligible cost details. Final eligible and ineligible costs will be identified in the formal NOFO.



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# SELECTION CRITERIA

SITE RELATED – Highest Priority

Interchange Score (Location)						
Ability to fill gaps	Number & type of nearby facilities	Proximity of facilities at interchanges with 24/7 access	Safe Access of Facilities	Route Significance	Equity: Environmental Justice areas, rural areas, air quality non-attainment areas	
Site Readiness						
Power availability	Amount of utility coordination completed	Amount of site development needed	Communication availability	Existing or need for site agreement /ownership	Existing or need for partnership agreement in place	Need for environmental clearance
Future Proofing						
Power per port/site proposed	Number of additional ports/site proposed	Ability to provide more power per port in the future	Ability to add future ports	Availability of pull through sites	Ability to meet medium heavy duty charging requirements	Ability to meet heavy duty vehicle charging requirements

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# SELECTION CRITERIA

## SUSTAINABILITY; EQUITY; RESILIENCE; ECONOMIC DEVELOPMENT– Second Priority

Criteria

Usage of renewable energy sources and strategies	Generation of clean energy	Renewable energy storage	Plan for involving local and small businesses/workforce	Plan for public/stakeholder engagement	Plan for team training and Safety
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## COST- Third Priority

Criteria

Amount of funding requested (out of total project cost)

(Please note these selection criteria are subject to change. The final selection criteria will be identified in the NOFO).

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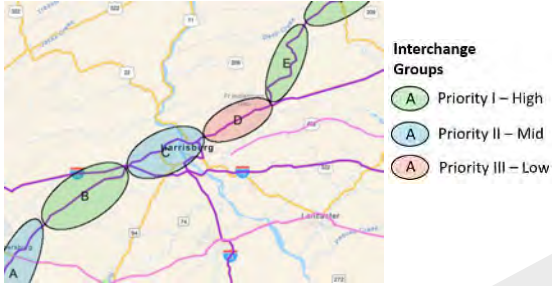
# PRIORITY LOCATIONS

**PRIORITY I:**  
Selected via gap analysis to most likely meet AFC build-out

**PRIORITY II:**  
Interchanges in locations closer to existing sites/or likely to be redundant.

**PRIORITY III:**  
Interchanges that already has NEVI-qualifying EV charging site.

- Round 1 will focus on Pennsylvania's primary and auxiliary interstate AFC network and includes 11 primary interstates and four (4) auxiliary interstates
- PennDOT's interchange group map shows the ~80 gaps labeled as Priority I, II, or III
- At least one site at an interchange within each Priority I group will be selected first, followed by one site within each of the Priority II groups of interchanges.



**Interchange Groups**

- Priority I – High
- Priority II – Mid
- Priority III – Low

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# USDOT NEVI PROGRAM - NPRM

**Public comment on Proposed rules was open for 60 days. Closed on Aug '22.**


**383 Public comments received.**

Released June 9, 2022 (aka "180 day Minimum Standards")

Released by US DOT FHWA to govern the following aspects of NEVI:

- § 680.106 INSTALLATION, OPERATION, & MAINTENANCE
- § 680.108 INTEROPERABILITY OF EVSE)
- § 680.110 TRAFFIC CONTROL DEVICES & SIGNS
- § 680.112 DATA SUBMITTAL
- § 680.114 CHARGING NETWORK CONNECTIVITY OF EVSE
- § 680.116 PUBLIC INFO ON LOCATIONS, PRICING, ACCESSIBILITY

US DOT is reviewing comments and determining if revisions are needed to the Final NEVI Program Rules, which are still pending.




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# USDOT NEVI PROGRAM - NPRM

**Key Proposed Rules**

- **Procurement Process Transparency:** Public disclosure on procurement process, # of bids, awardees, contract terms, project financial cost/award amounts, disclosure of fees for charging by EVSE.
- **State DOT Quarterly/Annual Data Submittal:** EVSE location; Session Start/End time; y/n completion/port; kWh/port/session; peak kW/port; uptime; O&M costs; any associated DER and specifications.
- **State DOT Annual Community Engagement Report:** Based on most recent FHWA approved state NEVI plan including community engagement type, date, number of attendees, communities represented by attendees, and how state DOT "reflected" information gathered by the engagement to inform the state DOT NEVI Plan.
- **Technician Certification:** All electricians installing, operating, maintaining NEVI funded EVSE must have EVITP or similar.
- **Use of Program Income:** "A reasonable return on investment of any private person financing the EV charging station project, as determined by the State DOT."

**Key rules that apply to PennDOT Administration of the NEVI Program Funds**



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# USDOT NEVI PROGRAM - NPRM

## Key rules that apply to the EVSE owner operators receiving NEVI program funds.

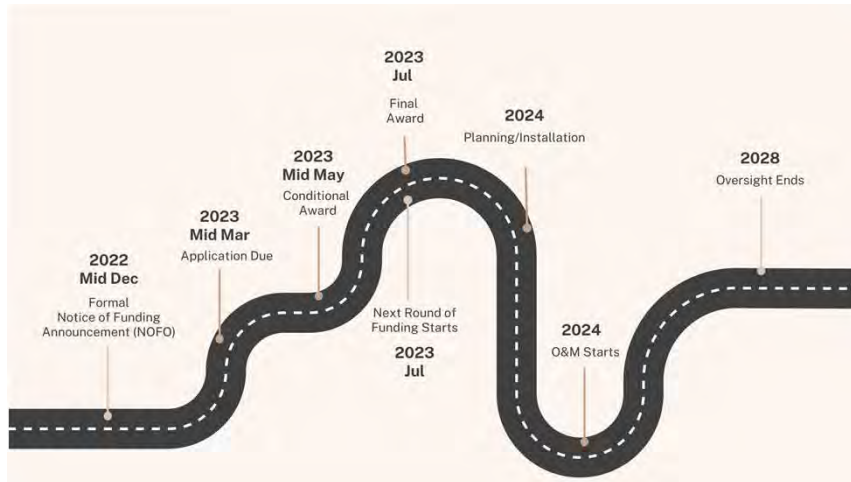
### Key Proposed Rules

- **Available Access:** 24 hours, 7 Days a week.
- **Payment Methods:** Contactless payment method accepting all major debit/credit cards, and the ISO 15118 standard
- **Interoperability of EVSE:** EVSE must conform to ISO 15118 to communicate with CCS-compliant vehicles that have implemented ISO 15118.
- **EVSE Network Communication:** EVSE Secure communication with charging network via OCPP (see § 680.120 c.1)
- **Communication of Price:** "Chargers must display and base the price for electricity to charge in \$/kWh."
- **Minimum Uptime:** 97% minimum uptime calculated w/equation:  $\mu = ((8760 - (T_{outage} - T_{excluded})) / 8760) \times 100$
- **Third-Party Data Sharing:** Data fields must be available, free of charge, to 3rd-party software developers, via API



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# ANTICIPATED TIMELINE



\* 5 Year O&M starts once Installation is completed and approved for O&M.  
 \* These dates are representative and are subject to change based on applicants' feedback. NOFO will identify specific dates.



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# HOW TO GET READY TO APPLY

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## HOW TO GET READY



Register for Keystone Login



Get Familiar with NEVI Program



Attend Informational Webinar



Put a Team Together



Select Site & Assess Readiness



Coordinate with Utilities



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## REGISTER FOR KEYSTONE LOGIN

❑ Register for Keystone Login using the link below:

✓ <https://www.esa.dced.state.pa.us/login.aspx>

❑ You will need the following information:

- ✓ Personal information
- ✓ Contact information
- ✓ Login information
- ✓ 3 Security Questions/Answers

\* **Note:** You will need the keystone Login to submit grant application



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## GET FAMILIAR WITH NEVI PROGRAM

❑ Learn about the NEVI Program.

- ✓ Resources for
  - ✓ PA NEVI Plan
  - ✓ Federal NEVI guidance
  - ✓ Federal NEVI FAQ
  - ✓ NEVI proposed rulemaking:

<https://www.penndot.pa.gov/ProjectAndPrograms/Planning/EVs/Pages/Learn-NEVI.aspx>



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## WATCH THE INFORMATIONAL WEBINAR

- Watch the recorded Informational Webinar.
  - ✓ Refer to resources
- Refer to the FAQ section for commonly asked questions/responses
- Email the team at ([ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov)) if you have any additional questions.



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## PUT A TEAM TOGETHER

- Successful planning, deployment, and O&M of EV site would likely require at least:
  - ✓ Site Planner
  - ✓ Construction contractor (Civil, Electrical, etc.)
    - ✓ Refer to NEVI guidelines for certification/training requirements
  - ✓ Equipment Supplier
  - ✓ Operators; Maintainers
  - ✓ Others



\* **Note:** Some team members may play different roles. Applicant will need to identify the team members as part of the application.



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## SELECT & ASSESS SITE READINESS

- Select an appropriate site and ensure site meets NEVI requirements (ADA access, safety etc.,)
- Conduct site assessment. Use site/time readiness scoring criteria as a reference.
- Environmental Clearance. Conduct preliminary assessment for environmental clearance needs.

\* **Note:** Applicant will need to provide site location information and site readiness information as part of the application

\*\* **Note:** After the final selection process, PennDOT will work with the applicant and appropriate agencies to get environmental clearance.



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## COORDINATE WITH UTILITIES

- Identify the utility servicing the site
  - ✓ Reach out to [ra-pdevcorridors@pa.gov](mailto:ra-pdevcorridors@pa.gov) if you have questions on the utilities servicing the site.
- Coordinate with the utilities
  - ✓ Identify the feasibility of providing (NEVI) required power at the site
  - ✓ Discuss cost and schedule implications

\* **Note:** Applicant will need to provide the utility contact information and cost/timeline for utility related items as part of the application



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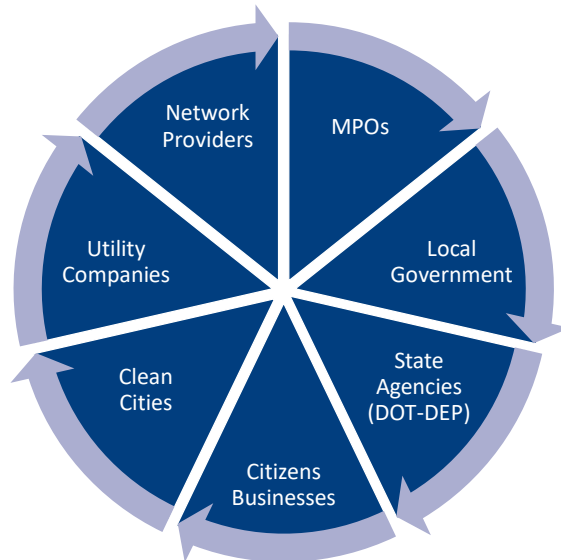
# NEVI PROGRAM COORDINATION

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## IMPORTANCE OF COORDINATION



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# UTILITIES - PPL

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Going Electric?  
PPL Electric Utilities is Here to Help

  
PPL Electric Utilities

© 2022 PPL Electric Utilities

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## Feasibility Study Request Process

### What the Customer Provides

- PPL Electric Grid or Lat/Long
- Desired in-service date
- Number of chargers
- Charger level
- Charger output (kW)

### What PPL Electric Utilities Provides

- 10 business day turnaround with high-level details about the project
- Timeframe for completion of all upgrades
- Cost for completion of all upgrades



Submit requests to [PPElectricEV@pplweb.com](mailto:PPElectricEV@pplweb.com)



## Electrification Process for Business

### What to expect when going electric



**1** When evaluating potential electric vehicle needs, you may want to start by requesting a feasibility study to receive a preliminary evaluation of your service needs, a timeline associated with any improvements or upgrades to PPL Electric Utilities' electric system and any applicable costs you may be responsible for to go electric. This can help you decide whether to move forward with a construction application for electric service.

**3** Our design team will review the application and contact you within **two weeks** after a completed application is submitted. We will begin designing a service layout and will contact you with estimated costs.


**5** We'll complete the design work before adding your project to our work schedule and then constructing the project to meet all of the customer's needs.




**2** Submit a service application by going to our website at [ppllectric.com/EV](http://ppllectric.com/EV) or by contacting our Business Accounts department at 1-888-220-9991 or [businessaccounts@pplweb.com](mailto:businessaccounts@pplweb.com).


**4** For most applications, our engineering team will conduct a more detailed impact study to determine what, if any, changes to your service are required, what upgrades PPL Electric needs to make to its system, and what upgrade costs you may be responsible for. Following the review, you will receive a letter detailing the timeline and costs.






Stay Connected

 [PPLElectricEV@pplweb.com](mailto:PPLElectricEV@pplweb.com)

 [ppllectric.com/EV](http://ppllectric.com/EV)



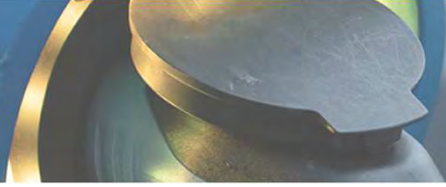
41 © 2022 PPL Electric Utilities

41

# CLEAN CITIES

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# CLEAN CITIES COALITION NETWORK



Building partnerships to advance affordable, domestic transportation fuels and technologies

### Clean Cities Coalitions:

- Serve as forums for local stakeholders to connect and collaborate on saving energy and using affordable alternative fuels
- Provide grassroots support and resources on new transportation technologies and infrastructure development
- Support networks to help their stakeholders identify cost-effective solutions that work locally



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# PA CLEAN CITIES COALITIONS



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# TECHNOLOGY INTEGRATION PROGRAM

- Provides objective/unbiased data and real-world lessons learned that inform future research needs and support local decision-making

```

graph TD
    CCT((Clean Cities Coalitions))
    IT((Information and Tools))
    TA((Technical Assistance))
    FA((Financial Assistance))
    TOP((Training, Outreach, and Partnerships))
    CCT <--> IT
    CCT <--> TA
    CCT <--> FA
    CCT <--> TOP
            
```

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# EP-ACT ELECTRIC VEHICLE PROJECTS

**Priority Areas:**

- Statewide Branded
- Consumer Education
- Utility & Regulatory Engagement
- EV Charging Infrastructure Planning
- State & Local Government Planning
- Dealer Engagement
- Fleet Engagement

- The Drive Electric Pennsylvania Coalition was formed in 2016 to help plan and implement strategies for the adoption of electric vehicles throughout Pennsylvania.
- The coalition consists of state and local governments, industry, utility, universities, public and private companies who wish to help spur the adoption of Electric Vehicles (EV's) in The Commonwealth of Pennsylvania.

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## SUPPORT FROM PLANNING AGENCIES

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### WAYS THAT PLANNERS CAN HELP



- ❖ Educate the Public and Businesses
- ❖ Identify Needs and Gaps
- ❖ Engage Disadvantaged Communities
- ❖ Share Funding Opportunities
- ❖ Support Grant Applications
- ❖ Coordination (utilities)
- ❖ Address Risks and Challenges

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## CONDUCTING NEEDS ASSESSMENTS

### Prepare for Grant Applications

- Grants are competitive – showing community support and a robust engagement and needs assessment will be valuable in winning grants

### Identify Businesses for Hosting Public Charging Infrastructure

- Find business partners to work with and help them obtain grants and coordinate with charging companies
- Private businesses will be needed to accomplish many charging needs and goals

### Provide Local Governments Ideas for Projects, Policies and Other Actions

- Evaluate ways to overcome challenges and barriers within the community
- Local governments can work with regional and state partners to get projects funded



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## ADDITIONAL DEP GRANT PROGRAMS

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## DEP SUPPORT FOR EV

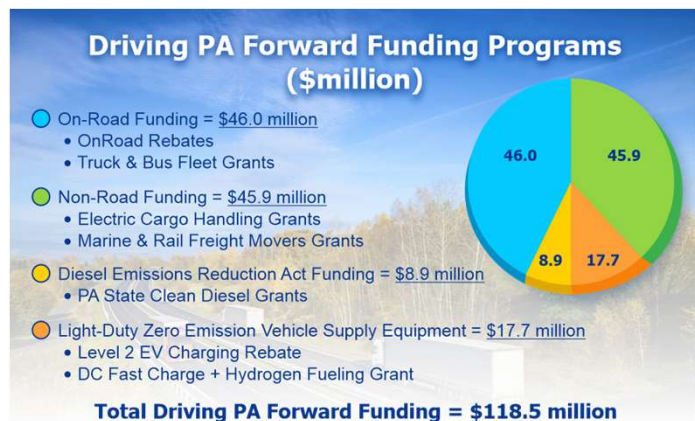
- Level 2 and DC fast charging equipment funding programs for businesses, non-profits, and local governments
- Consumer EV rebate
- Grant program for alternative fuel fleet vehicles
- [Drive Electric PA Coalition](#)
- Medium and Heavy-Duty Zero Emission Vehicle Pilot Grant program
- Electricity rate design study for electric vehicle charging
- Stakeholder and public education



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## DEP SUPPORT – FUNDING

- Driving PA Forward Funding – Level 2 Rebate:
  - Public spaces
  - Workplaces (employee or fleet)
  - Multi-unit dwellings
- Voucher system
- Over 1,600 plugs installed so far!



[www.depgis.state.pa.us/DrivingPAForward/](http://www.depgis.state.pa.us/DrivingPAForward/)



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## DEP SUPPORT – REBATE AMOUNTS

Project Type	Maximum Rebate per Plug	OR (whichever is less)	Maximum % of Total Project Cost
Full Public Access, Networked, Priority County	\$4,000	or	70%
Full Public Access, Networked, All Other Counties	\$3,500	or	60%
Multi-Unit Dwelling	\$3,000	or	50%
All Other Eligible Projects	\$2,500	or	40%

[www.depgis.state.pa.us/DrivingPAForward/](http://www.depgis.state.pa.us/DrivingPAForward/)

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## DEP – ALTERNATIVE FUEL PROGRAMS

**Alternative Fuels Incentive Grant Program**

2022 Grant Program

- About \$3 million per year to incentivize fleet transitions to alternative fuels
- Eligible project types include incremental cost of fleet vehicle purchase and fleet fueling infrastructure
- Applications are due by December 16<sup>th</sup>

**Alternative Fuels Vehicle Rebate**

- Alternative Fuel Vehicle Rebate for low- and middle-income individuals:
  - Household income must be under 400% of federal poverty to qualify
  - \$2,000 for new or used electric vehicle
  - \$1,500 for new or used plug-in hybrid
  - Additional \$1,000 for applicants under 200% of federal poverty

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# QUESTIONS?



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# NETWORKING SESSION

STATION 1: LEARNING MORE ABOUT APPLICATION PROCESS  
STATION 2: UNDERSTANDING OUR NEEDS, GAPS AND OPPORTUNITIES (INCLUDING EQUITY)  
STATION 3: FINDING MATCHES BETWEEN BUSINESSES AND EV NETWORK PROVIDERS  
STATION 4: COORDINATING WITH UTILITIES



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# CONTACT INFORMATION

PENNDOT EV TEAM: [RA-PDEVCORRIDORS@PA.GOV](mailto:RA-PDEVCORRIDORS@PA.GOV)

PPL ELECTRIC UTILITIES  
Email: [PPElectricEV@pplweb.com](mailto:PPElectricEV@pplweb.com)

TONY BANDIERO, EP-ACT  
Email: [tfbandiero@ep-act.org](mailto:tfbandiero@ep-act.org)

PA DEP  
Email: [ra-epvwmitigation@pa.gov](mailto:ra-epvwmitigation@pa.gov)

**Provide your feedback  
about this session!**

Scan the QR code here or on the  
poster before you go!

Hard copy surveys also available.



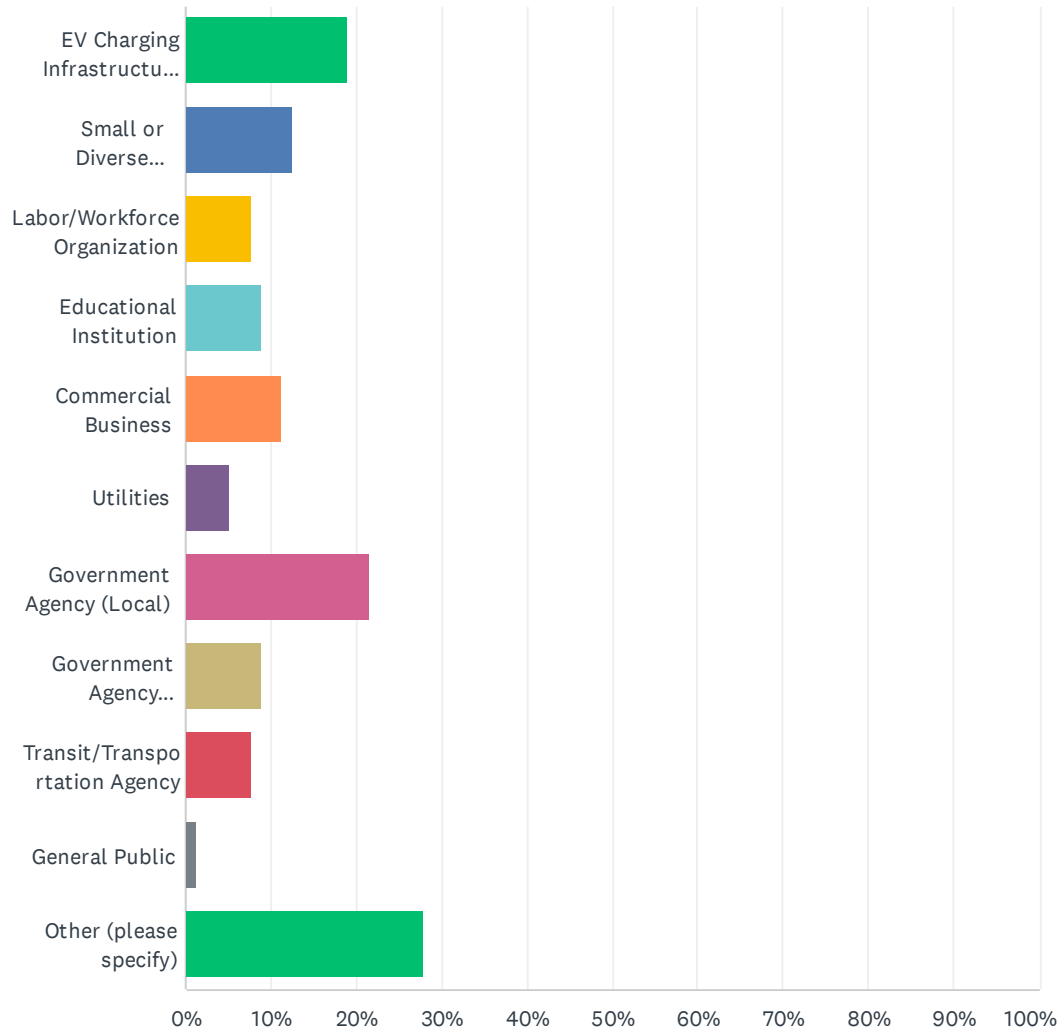


# SURVEY RESULTS

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# Q1 Which of the following best describes the stakeholder group(s) you most identify with? (Select up to 3).

Answered: 79 Skipped: 0



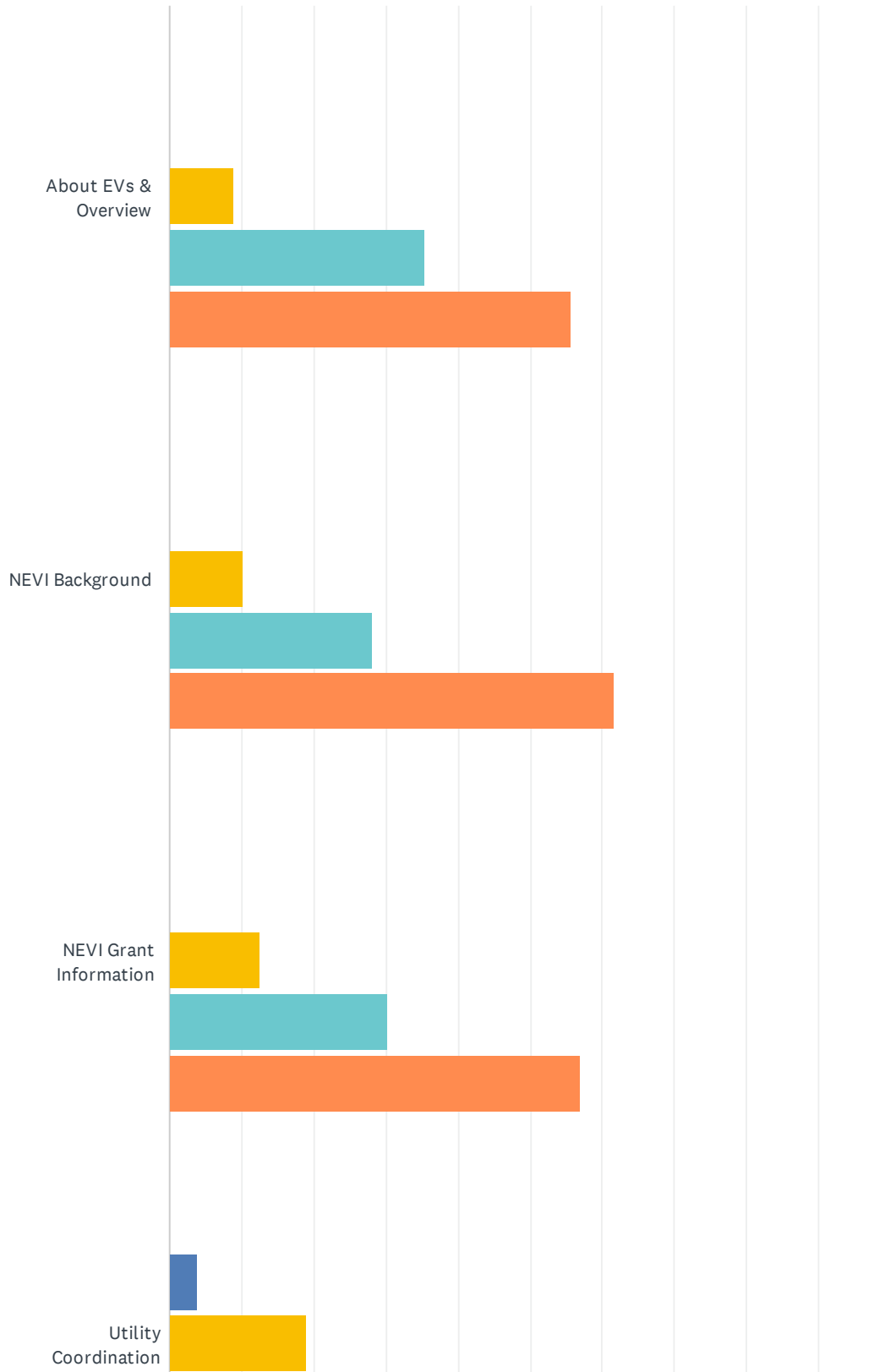
## Stakeholder Engagement Session – Attendee Survey

ANSWER CHOICES	RESPONSES	
EV Charging Infrastructure Company	18.99%	15
Small or Diverse Business	12.66%	10
Labor/Workforce Organization	7.59%	6
Educational Institution	8.86%	7
Commercial Business	11.39%	9
Utilities	5.06%	4
Government Agency (Local)	21.52%	17
Government Agency (State/Federal)	8.86%	7
Transit/Transportation Agency	7.59%	6
General Public	1.27%	1
Other (please specify)	27.85%	22
<b>Total Respondents: 79</b>		



## Q2 Was the information presented in the Stakeholder Session helpful? How helpful was each of the following

Answered: 79 Skipped: 0



# Stakeholder Engagement Session – Attendee Survey



## Stakeholder Engagement Session – Attendee Survey

	NOT HELPFUL 1	2	SOMEWHAT HELPFUL 3	4	VERY HELPFUL 5	TOTAL	WEIGHTED AVERAGE
About EVs & Overview	0.00% 0	0.00% 0	8.86% 7	35.44% 28	55.70% 44	79	4.47
NEVI Background	0.00% 0	0.00% 0	10.26% 8	28.21% 22	61.54% 48	78	4.51
NEVI Grant Information	0.00% 0	0.00% 0	12.66% 10	30.38% 24	56.96% 45	79	4.44
Utility Coordination	0.00% 0	3.80% 3	18.99% 15	27.85% 22	49.37% 39	79	4.23
Other Funding Opportunities	0.00% 0	6.33% 5	15.19% 12	35.44% 28	43.04% 34	79	4.15
Discussion	0.00% 0	1.32% 1	21.05% 16	26.32% 20	51.32% 39	76	4.28
Networking Session	1.45% 1	2.90% 2	23.19% 16	24.64% 17	47.83% 33	69	4.16

**Q3 Please provide feedback on any additional information that you would have liked or feel you still need about the PA NEVI Plan, EV Charging or Utility coordination, if applicable.**

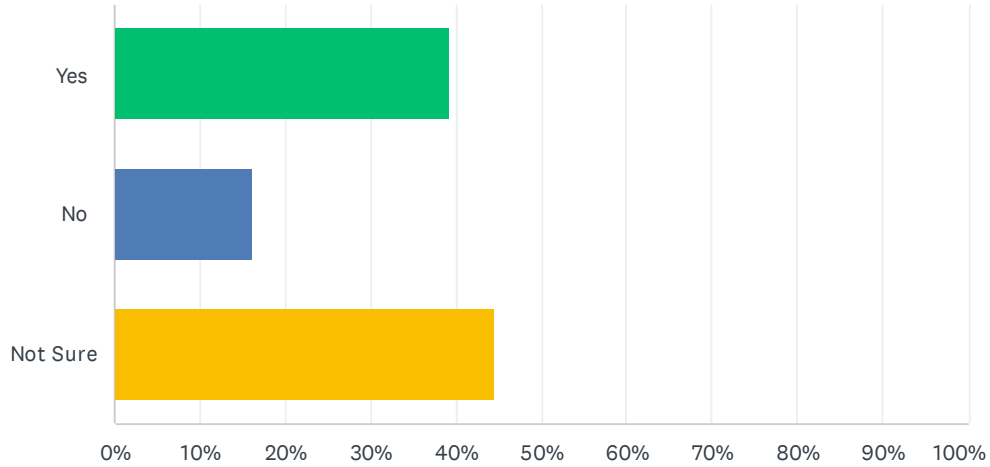
Answered: 26 Skipped: 53

**Q4 Do you have any recommendations on how we could improve future engagement sessions about planning for electric vehicles?**

Answered: 30 Skipped: 49

### Q5 To the best of your knowledge, are any of the organizations that you are affiliated with planning to apply for NEVI funds?

Answered: 74 Skipped: 5



ANSWER CHOICES	RESPONSES	
Yes	39.19%	29
No	16.22%	12
Not Sure	44.59%	33
<b>TOTAL</b>		<b>74</b>

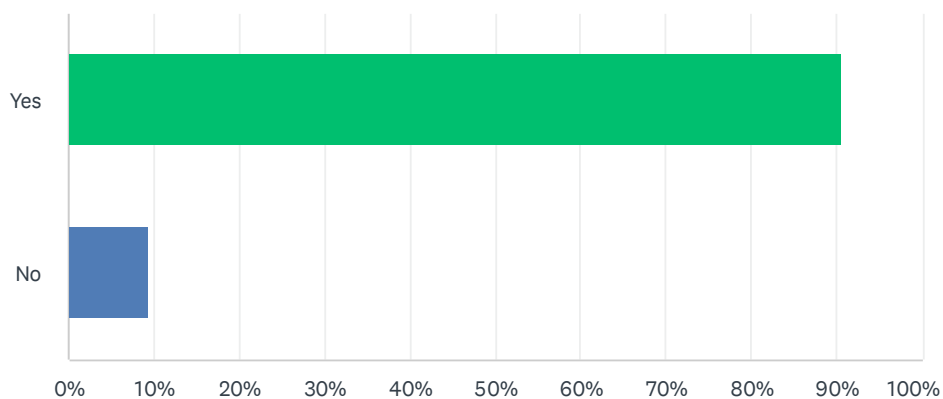
## Q6 Contact Information

Answered: 72 Skipped: 7

ANSWER CHOICES	RESPONSES	
Name	100.00%	72
Organization	97.22%	70
Address	0.00%	0
Address 2	0.00%	0
City/Town	0.00%	0
State/Province	0.00%	0
ZIP/Postal Code	0.00%	0
Country	0.00%	0
Email Address	100.00%	72
Home Zip Code	95.83%	69

## Q7 Would you like to be added to our email list for future updates?

Answered: 75 Skipped: 4



ANSWER CHOICES	RESPONSES	
Yes	90.67%	68
No	9.33%	7
TOTAL		75