



pennsylvania
DEPARTMENT OF TRANSPORTATION

NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE PLAN & PROGRAM STATUS

63RD ANNUAL PAPA CONFERENCE

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DEVELOPMENT & IMPLEMENTATION OFFICE

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
- Notice of Funding Opportunity Released – January 6, 2023



PENNDOT NEVI STATE PLAN



PENNSYLVANIA STATE PLAN FOR ELECTRIC VEHICLE INFRASTRUCTURE DEPLOYMENT

National Electric Vehicle Infrastructure (NEVI)
Formula Program

VERSION FOR FFY 2022-2023

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

YEARS 1-2 CHARGING FOCUS

DC Fast Charging

Public

4 ports

CCS Connectors

At least 150kw power per port (600kw total)

Within 1-mile of highway, 50 miles of the next station

How to Charge Your EV



Charge Time



Charging Locations

Level 1

3.5 - 6.5 miles
Per Hour

Residential,
Workplace

Level 2

14 - 35 Miles
Per Hour

Residential,
Workplace,
Destinations

DC Fast Charge

200+ miles
Per Hour

Highways,
Communities,
Destinations



EV 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

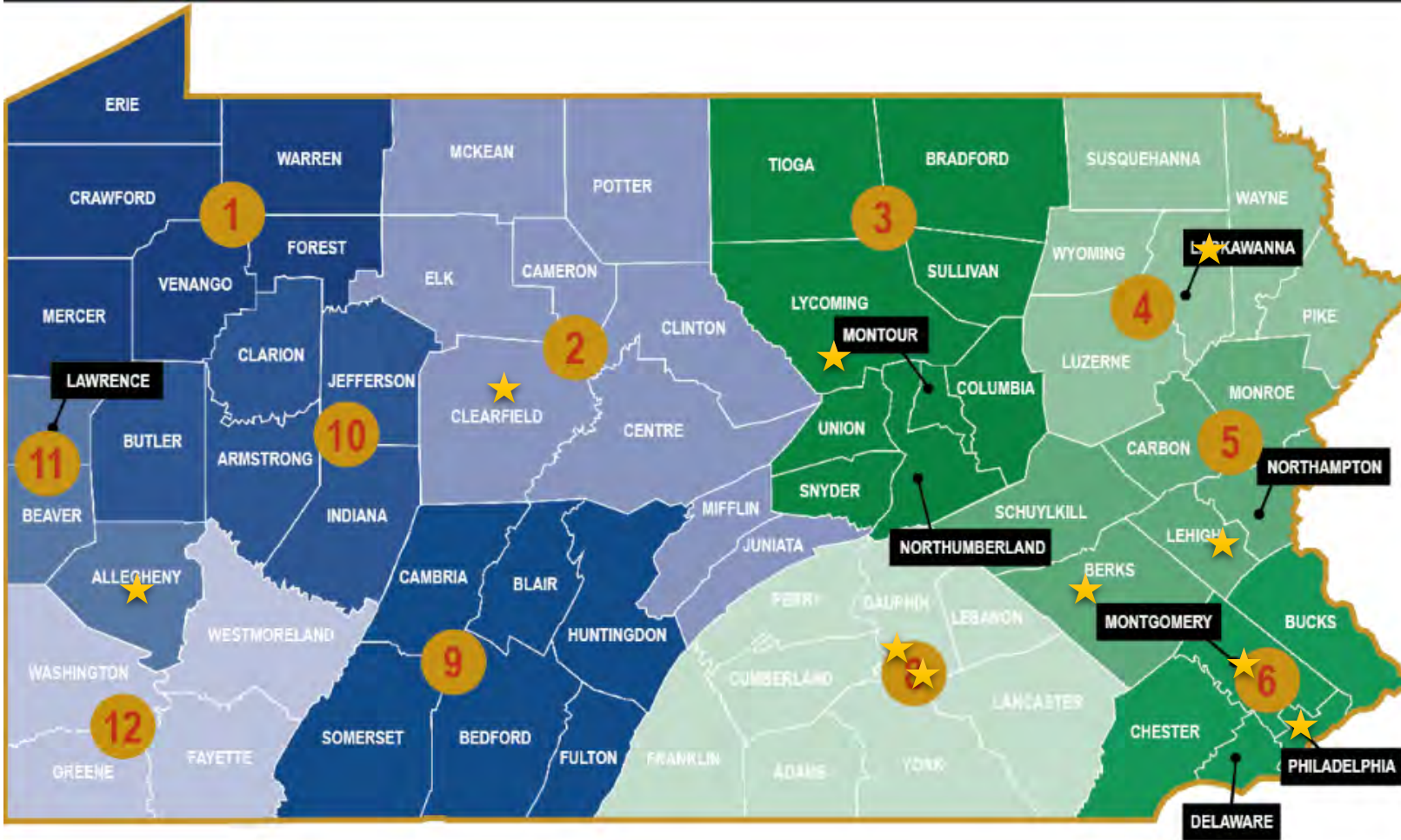


NEVI PUBLIC ENGAGEMENT

OUTREACH BY THE NUMBERS

- **Public & Stakeholder Engagement:**
 - **59** Meetings to discuss NEVI plan needs
 - **14** Presentations on NEVI plan requirements and needs
 - **12** Stakeholder Engagement Sessions on NEVI plan needs
 - **1** Pilot Community Engagement Session
 - **10** Utility Partner & Business Stakeholder Engagement & Networking Sessions
 - **1** NEVI Grant Pre-Announcement Virtual Webinar
 - **32** Meetings across PA to discuss finalized NEVI Plan

STAKEHOLDER & UTILITY SESSIONS



Sessions held:

- PPL – Allentown – Oct. 13
- PPL – Harrisburg – Oct. 14
- PPL – Columbia – Oct. 24
- PPL – Jessup – Oct. 25
- Duquesne Light – Nov. 3
- PPL – Williamsport – Nov. 10
- PECO – Blue Bell – Nov. 15
- PECO – Philadelphia – Nov. 22
- FirstEnergy – Reading – Dec. 1
- FirstEnergy – Clearfield – Dec. 8



NEVI GRANT PROGRAM

PENNDOT FUNDING ROUNDS

Round 1

Primary/Auxiliary AFC Interstates

January 6, 2023

FY 22 - \$25.4 million

FY 23 - \$36.5 million

(PennDOT NEVI funding)

FY '22 & '23 - Approx. \$56 million

(Anticipated available amount for applicants)

Round 2

Round 1 Unfilled Interstates/ Other
AFC Routes

Mid 2023

(Anticipated)

Round 3

2024

(Anticipated)

Future Rounds

TBD

(Anticipated)

FY 24 - \$36.5 million

FY 25 - \$36.5 million

FY 26 - \$36.5 million

(PennDOT NEVI funding)

FY '24, '25, '26 - Approx. \$100 million

(Anticipated available amount for applicants)

** 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.*



NOTICE OF FUNDING OPPORTUNITY

Eligibility

Program Requirements

Application Procedures

Application Evaluation

Post-Selection Activities

Sample Agreement



**Pennsylvania State
National Electrical Vehicle Infrastructure (NEVI)
Formula Program**

NOTICE OF FUNDING OPPORTUNITY (NOFO)

**Commonwealth of Pennsylvania
Department of Transportation**

*Tom Wolf, Governor
Yassmin Gramian, P.E., Secretary of Transportation*

**Round 1 FFY 2022 – FFY 2023
January 6, 2023**



ELIGIBLE & INELIGIBLE COSTS

- Applicants may apply for up to **80%** federal cost share of the eligible costs, with a minimum required match of **20%** from non-federal sources.
- Eligible costs to be included in the cost share and match are defined in the Eligible & Ineligible Cost section of the NOFO. The costs listed in the section are preliminary.
- **Final eligible and ineligible costs may change to conform to Federal regulations and FHWA directives.**

Eligible Costs

To be considered directly related to charging of vehicles, items must be a necessary component in the EV charging station, be a necessary component to connect the EV charging station to the electricity source (or to supply power from the electricity source), provide eligible signage to direct EVs to the charging station or provide information to EV users about use of the charging station.



PRIORITY LOCATIONS

PRIORITY I:

Selected via gap analysis to most likely meet AFC build-out

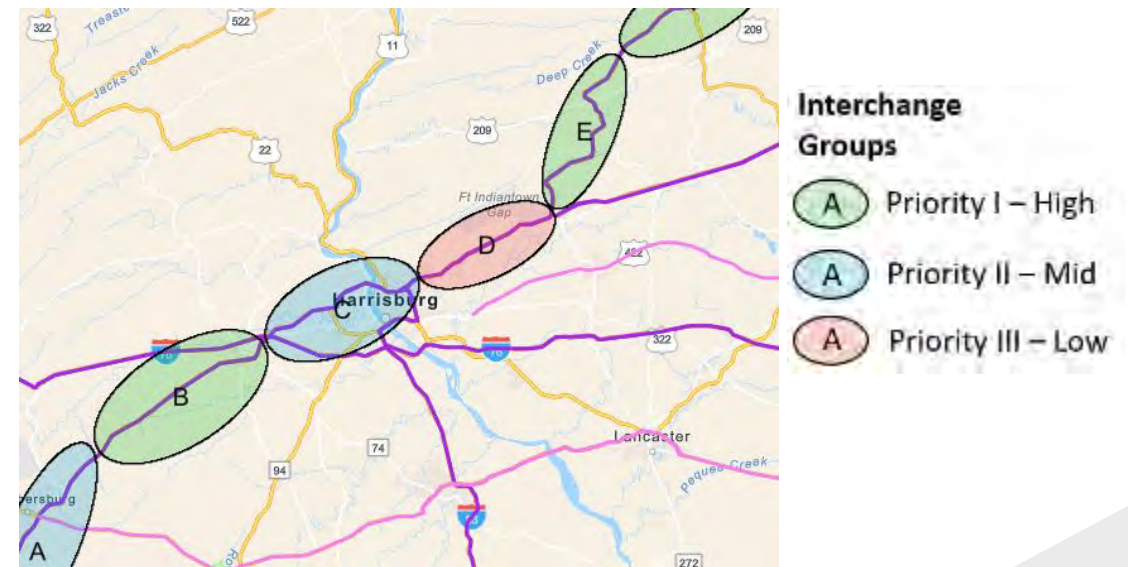
PRIORITY II:

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.



NOFO SELECTION PROCESS

Date	Item
January 6, 2023	Notice of Funding Opportunity released
January 2023	Submit utility form to utility provider so the utility can complete and return the form to the applicant in time for the application period end date
February 24, 2023 (or prior as per PennDOT discretion)	Application submission period begins (ability to enter in eGrants system)
April 6, 2023	PA NEVI grant program application submission period ends at 5 PM EDT
April – May 2023	PennDOT application review
June 2023	Preliminary award approval and denial notifications
June – August 2023	PennDOT NEPA Process
August 2023	Final award approval and denial notifications
September – October 2023	Grant agreement execution; Notice to Proceed

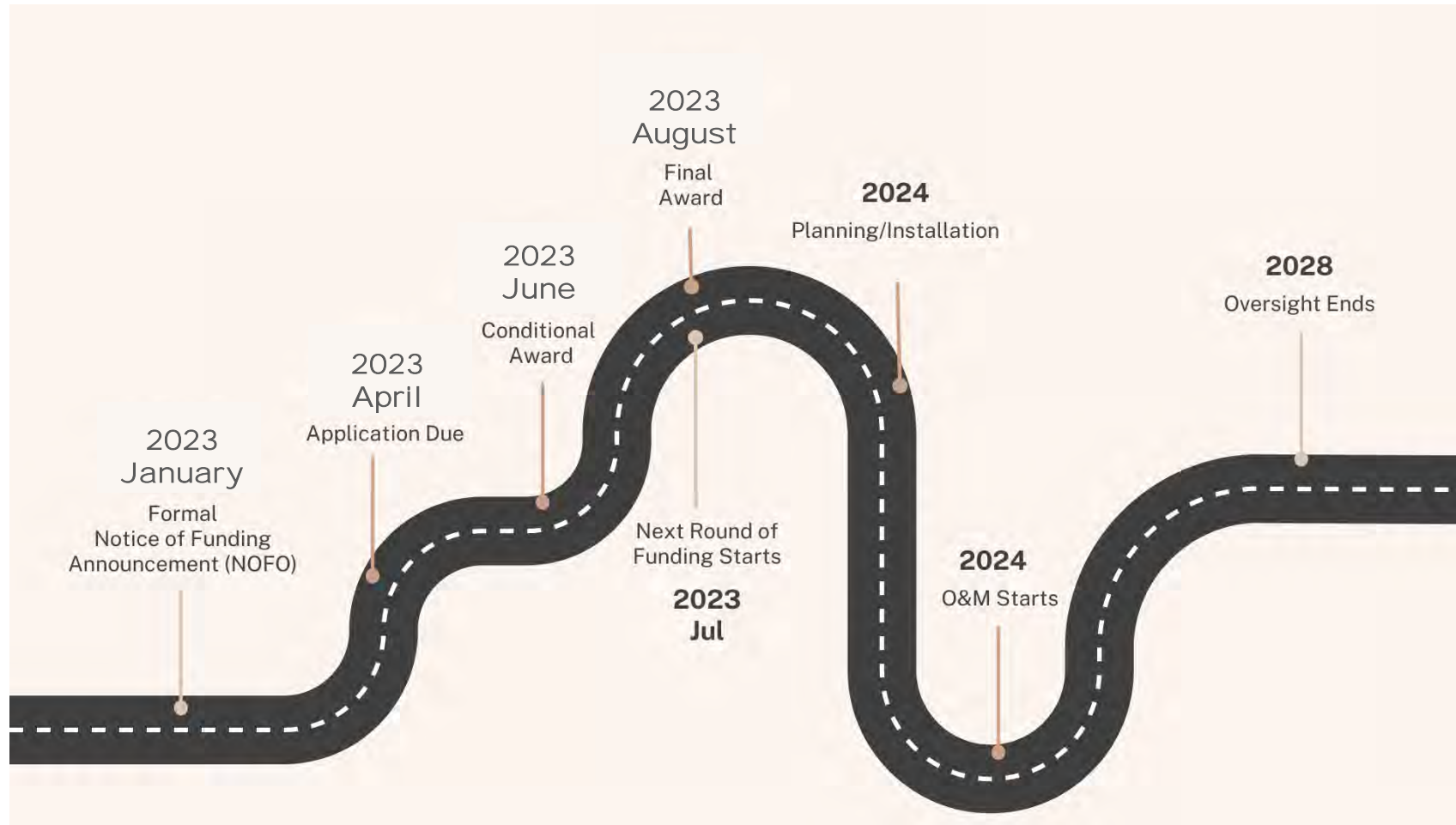


PROJECT SCORING ELEMENTS

Scoring Category	Points
1. Qualifications and Project Approach	12
2. Candidate Site Information	40
3. Site Readiness	8
4. Future Proofing	4
5. Sustainability, Equity, Resilience, and Economic Development	12
6. Safety and Training	4
7. Project Costs	20
Total	100



ANTICIPATED PROJECT 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.



HOW TO APPLY

HOW TO GET READY



Register for Keystone Login



Get Familiar with NEVI Program



Review the NOFO & Interactive Map



Put a Team Together



Select Site & Assess Readiness



Coordinate with Utilities



Apply via eGrants



REGISTER FOR KEYSTONE LOGIN

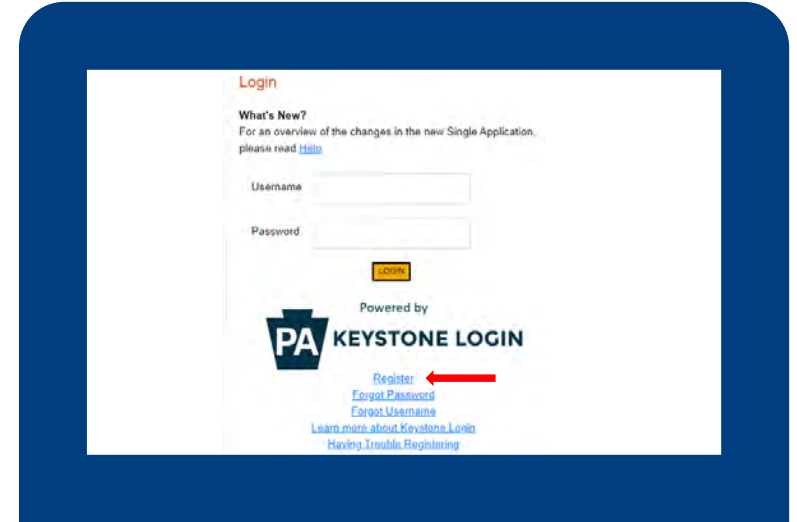
❑ Register for Keystone Login using the link below:

✓ <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



GET FAMILIAR WITH NEVI PROGRAM

- ❑ Learn about the NEVI Program.
 - ✓ Resources for
 - ✓ [NEVI Notice of Funding Opportunity](#)
 - ✓ [PA NEVI Plan](#)
 - ✓ [Federal NEVI guidance](#)
 - ✓ [Federal NEVI FAQ](#)
 - ✓ [NEVI proposed rulemaking](#)



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 (rapdevcorridors@pa.gov) if you have any additional questions.



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.



SELECT & ASSESS SITE READINESS

- ❑ Select an appropriate site from PennDOT's online map, [Anticipated Funding Round 1 – Interchange Information](#), 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.



COORDINATE WITH UTILITIES

- ❑ Identify the utility servicing the site
 - ❑ Coordinate with the utilities
 - ✓ Utilize Utility Form in NOFO
 - ✓ 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

PennDOT NEVI Formula Program Round 1 Grant NOFO



Appendix VIII – Utility Form

SITE APPLICANT INFORMATION (Site Applicant to complete.)

Name of Company/Customer: _____
Facility Owner's Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact Name: _____
Contact Phone: _____ Contact Email: _____

SITE INFORMATION – ELECTRICAL DISTRIBUTION SERVICE NEEDS (Site Applicant to complete.)


Address of Site: _____
Latitude/Longitude: _____
Number of chargers anticipated: _____ Total service power level (kW): _____

Type of Service: New Service (No existing lines) Existing Service Lines Upgrade of Existing Service

Account #: _____

Provide aerial view of site with transformer location and termination point. Show nearest 3-phase source (if known):

[Insert aerial view here with proposed location of chargers]

 55



QUESTIONS?

CONTACT INFO:

PENNDOT EV TEAM

EMAIL: RA-PDEVCORRIDORS@PA.GOV