



Drive Electric PA Coalition Meeting

November 18, 2025



Pennsylvania
Department of
Environmental Protection



pennsylvania
DEPARTMENT OF TRANSPORTATION

TEAMS TIPS

- Basics on Audio and Visual
 - Use the “Chat” to share questions and comments anytime
 - Attendee mics and cameras are disabled
 - Request mic access during member updates if desired
 - “Reactions” are encouraged
- The meeting will not be recorded
 - All presentation slides will be posted online within a couple weeks



EV REGISTRATIONS IN PA

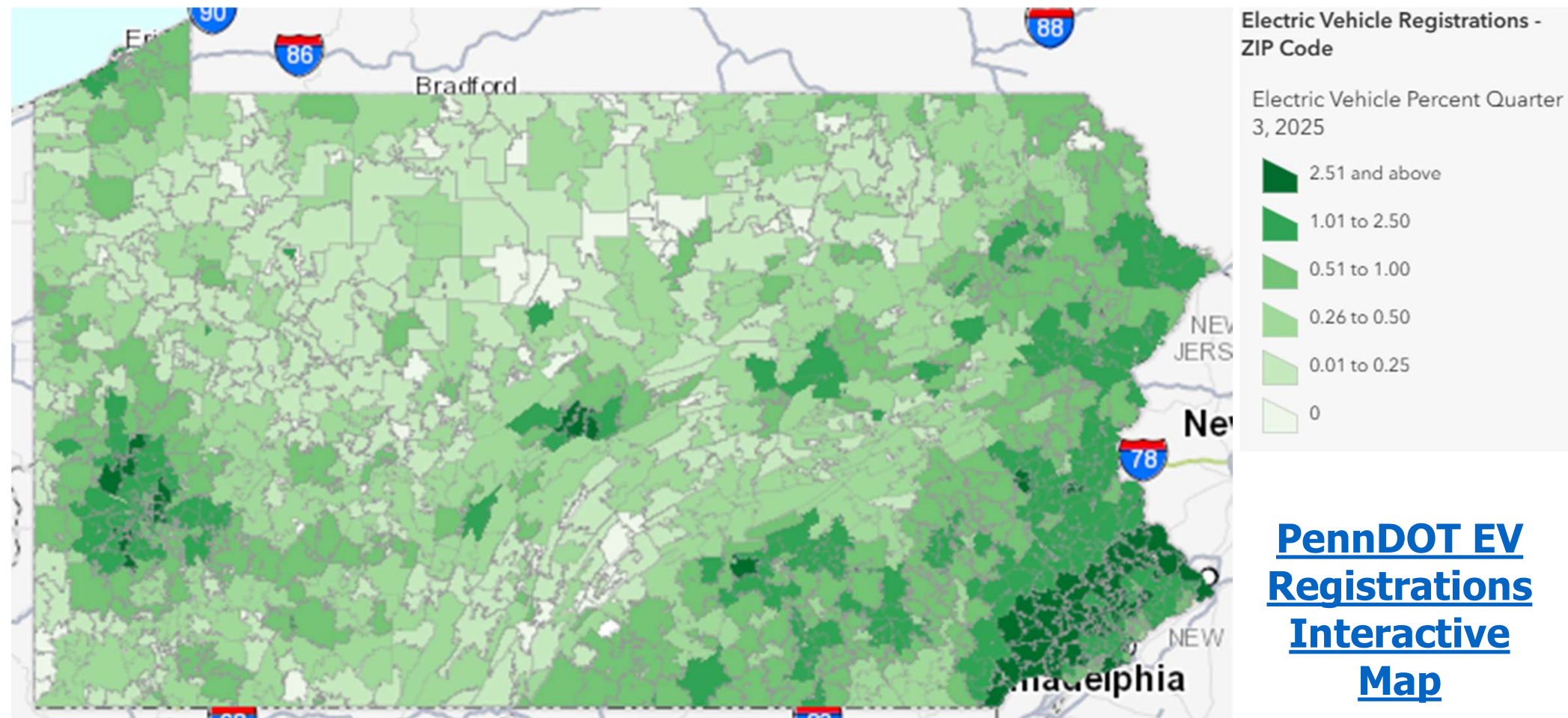
As of summer 2025, about 1.5% of motor vehicles in PA are electric

	March 2023	March 2024	March 2025	October 2025
BEV	44,800	66,104	91,863	108,550
PHEV	24,346	39,850	50,038	55,653
FCEV	1	1	2	2
Total	69,147	105,955	141,903	164,205

- BEV – Battery Electric Vehicle
- PHEV – Plug-in Hybrid
- FCEV – Hydrogen Fuel Cell Electric Vehicle

Source: PennDOT registration database

EV REGISTRATIONS IN PA





Pennsylvania
Department of Transportation

PENNSYLVANIA NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE (NEVI) PROGRAM

**DRIVE ELECTRIC PENNSYLVANIA
COALITION MEETING
NOVEMBER 18, 2025**

OVERVIEW OF PA'S NEVI FORMULA PROGRAM



\$171.5 Million

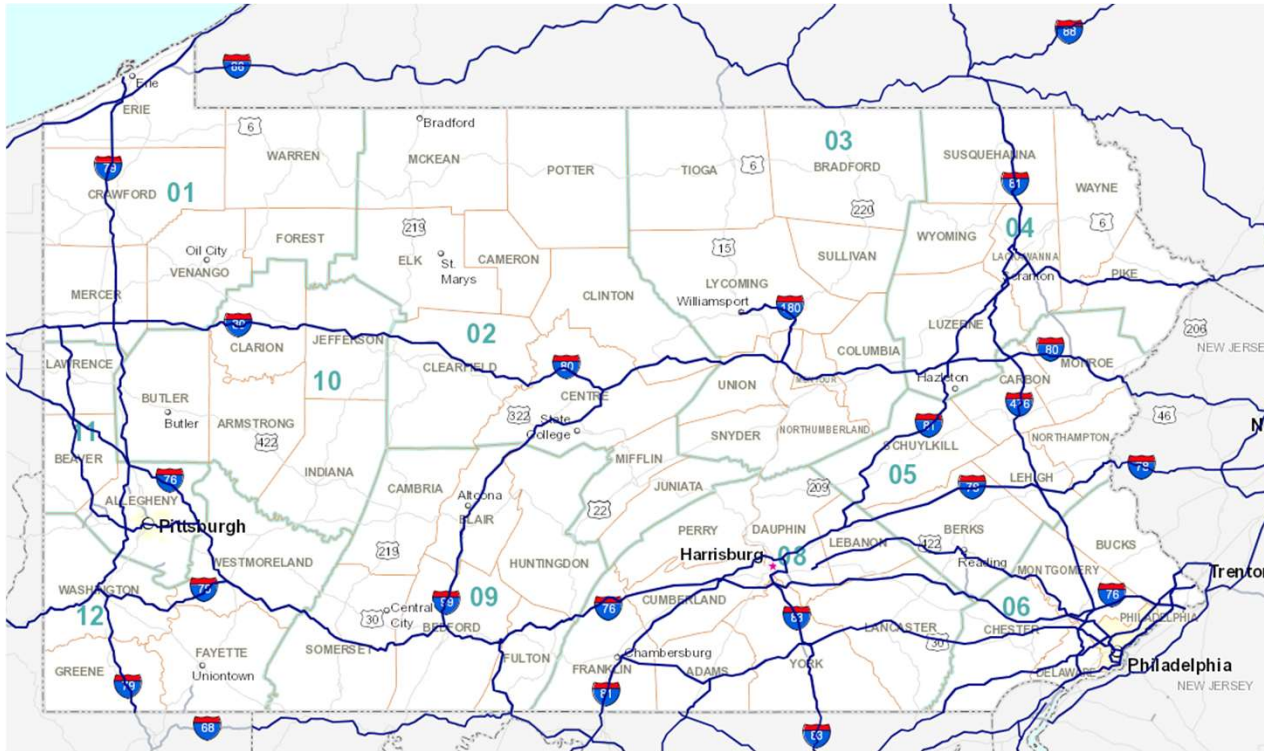
Total Pennsylvania NEVI Funds

FFY 2022	FFY 2023	FFY 2024	FFY 2025	FFY 2026
\$25.4 M	\$36.5 M	\$36.5 M	\$36.5 M	\$36.5 M

PA NEVI Plan Annual Updates

PA NEVI Plan Year	For FFY Funding	Plan Submitted	Plan Approved
2022 PA NEVI Plan	FFY 2022, FFY 2023	July 21, 2022	September 14, 2022
2023 PA NEVI Plan	FFY 2024	August 1, 2023	October 4, 2023
2024 PA NEVI Plan	FFY 2025	August 28, 2024	November 15, 2024
2025 PA NEVI Plan	FFY 2026	August 27, 2025	September 5, 2025

EV ALTERNATIVE FUEL CORRIDORS



- PennDOT has nominated corridors over 7 rounds - includes interstates and portions of US 30, US 15, US 1, and US 422 - over 1,800 miles of roadway
- NEVI funding must be applied to AFCs until a “**Build-Out**” certification by FHWA



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

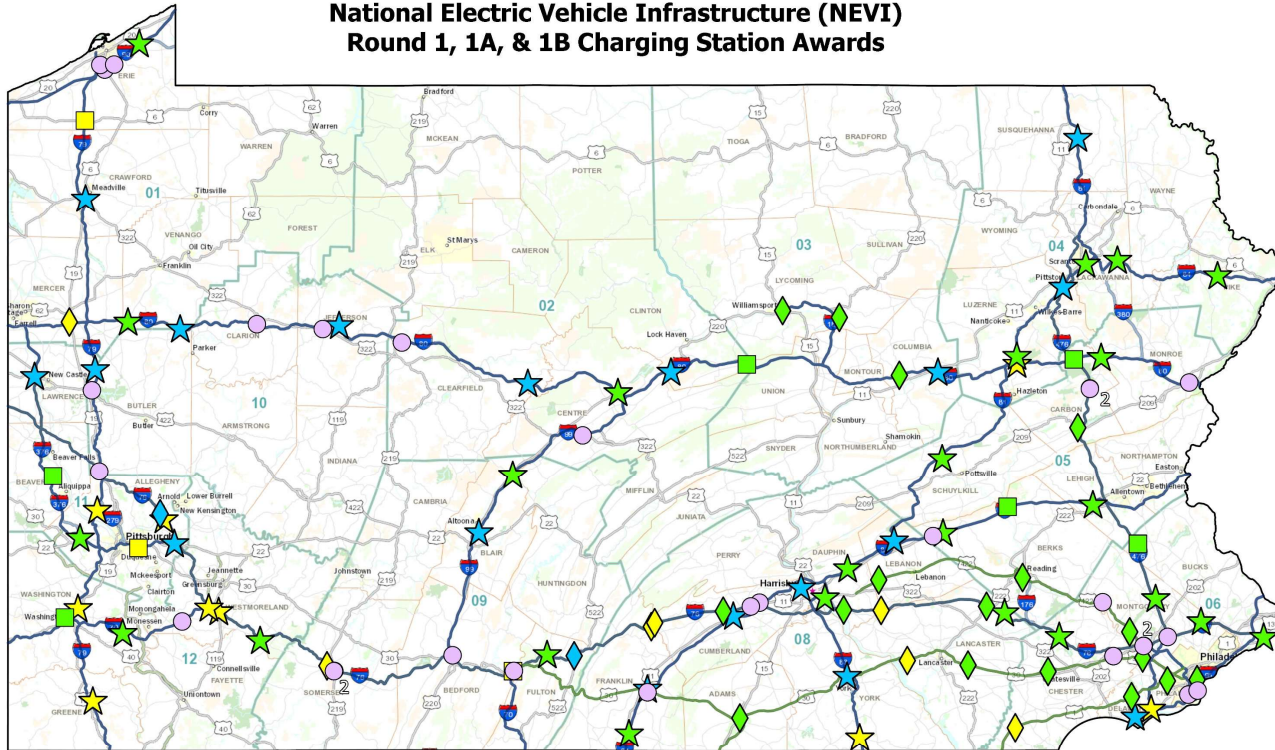
200+ miles
Per Hour

Highways,
Communities,
Destinations



ROUND 1, 1A & 1B ACTIVE PROJECTS

**National Electric Vehicle Infrastructure (NEVI)
Round 1, 1A, & 1B Charging Station Awards**



Round 1 Status	Round 1A Status	Round 1B Status	Other Funding Sources	Alternative Fuel Corridors
★ In Progress (9)	◆ In Progress (7)	■ In Progress (3)	Operational (Creditable Station) (28)	— Interstate
★ Operational (18)	◆ Operational (2)	■ Planned (6)		— US Highway
★ Planned (24)	◆ Planned (17)			



U.S. Department of Transportation
Federal Highway Administration



Pennsylvania
Department of Transportation

- 86 projects within 43 counties
- \$55.9 million federal investment
- [PennDOT Active NEVI Projects Interactive Map](#)

N
0 15 30 60 Miles
0 20 40 80 Kilometers
PA Department of Transportation | Bureau of Planning and Research
Geographic Information Division
400 North Street 6th Floor H-East | Harrisburg, PA 17120
PA-POPS@PA.DOT.GIS@pa.gov
WGS 1984 Web Mercator Auxiliary Sphere
Updated: 10/16/2025
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OPERATIONAL NEVI STATIONS

PA has the most operational NEVI stations of any state!

- PennDOT's 21 Operational NEVI stations are listed below:

- Pilot Travel Centers – Pittston, PA
- Emlenton Truck Plaza – Emlenton, PA
- Tesla – Aston, PA
- Loves Travel Stops – Jonestown, PA
- Loves Travel Stops – Slippery Rock, PA
- Francis Energy – Chambersburg, PA
- Francis Energy – Carlisle, PA
- Pilot Travel Centers – New Milford, PA
- Pilot Travel Centers – Mill Hall, PA
- Francis Energy – Kylertown, PA
- Loves Travel Stops – Mifflinville, PA
- Tesla – New Castle, PA
- Loves Travel Stops – Brookville, PA
- Tesla – Fort Littleton, PA
- Tesla – Enola, PA
- EVgo – Monroeville, PA
- Tesla – Meadville, PA
- Sheetz – York, PA
- Sheetz – Altoona, PA
- EVgo – Pittsburgh, PA
- Francis Energy – Breezewood, PA



NEVI STATION USAGE DATA

- Cumulative Pennsylvania NEVI station usage data is shown below.
- This data is updated quarterly on the [PennDOT NEVI Homepage](#).

Cumulative PennDOT NEVI Usage Information 12/21/23 to 9/30/25		
EV Charging Sessions	Electricity Dispensed	Estimated CO ₂ Emissions Reduced
51,306	2,055,497 kWh	1,313 metric tons

FULL BUILD OUT CERTIFICATION

Pennsylvania's AFCs are Fully Built Out

- PennDOT submitted its third request for AFC Full Build Out certification on 8/27/25, and received approval on 9/22/25.
- Pennsylvania is the first state to receive AFC Full Build Out certification by following the new NEVI guidance released on 8/11/25, and the second state overall to receive Full Build Out.
- PennDOT now has greater flexibility to invest remaining NEVI funds in public EV charging infrastructure.

COMMUNITY FRAMEWORK



**Corridor
Connections**



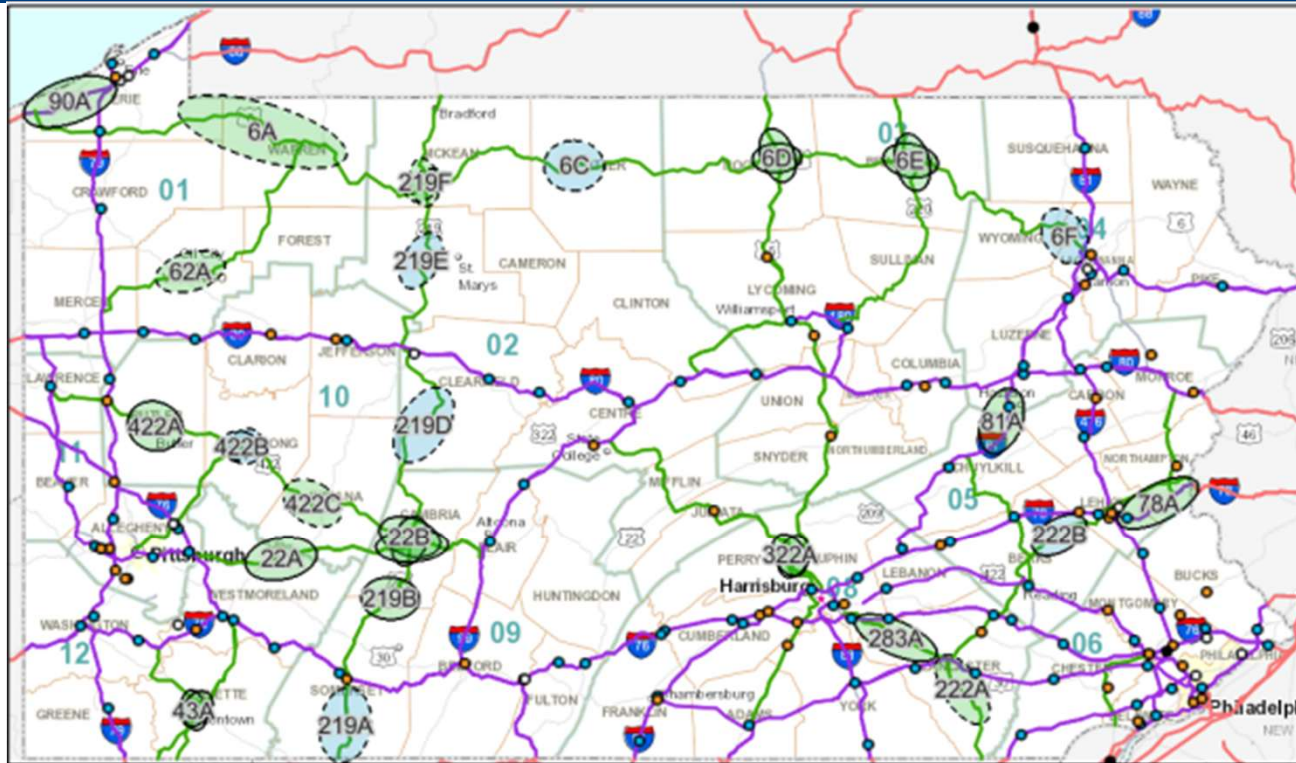
**Community
Charging**



**Critical
Investments**

PennDOT NEVI Community Phase Framework

CORRIDOR CONNECTIONS



Corridor Groups w/ Priority Level and Power Requirement

- 422A Priority I Standard Power
- 62A Priority I Lower Power
- 222B Priority II Standard Power
- 219D Priority II Lower Power

Existing DCFC Stations (Open or Planned)

- PA NEVI AFC
- PA Non-NEVI AFC
- Other PA DCFC*
- Out of State DCFC*

*meets at least Lower Power requirements

Interchanges/ Segments

- 143 Interchange
- 101 Segment^
- 71 Ineligible

^Number shown is nearest mile to midpoint of segment

Routes

- PA Corridor Connection
- PA AFC
- Border State AFC

Eligibility Polygons

- Full Polygon
- by Community Needs Score
- 0 4 5 6 7

- Open now!
- Closes on January 30th, 2026.

[Corridor
Connections Online
Interactive Map](#)

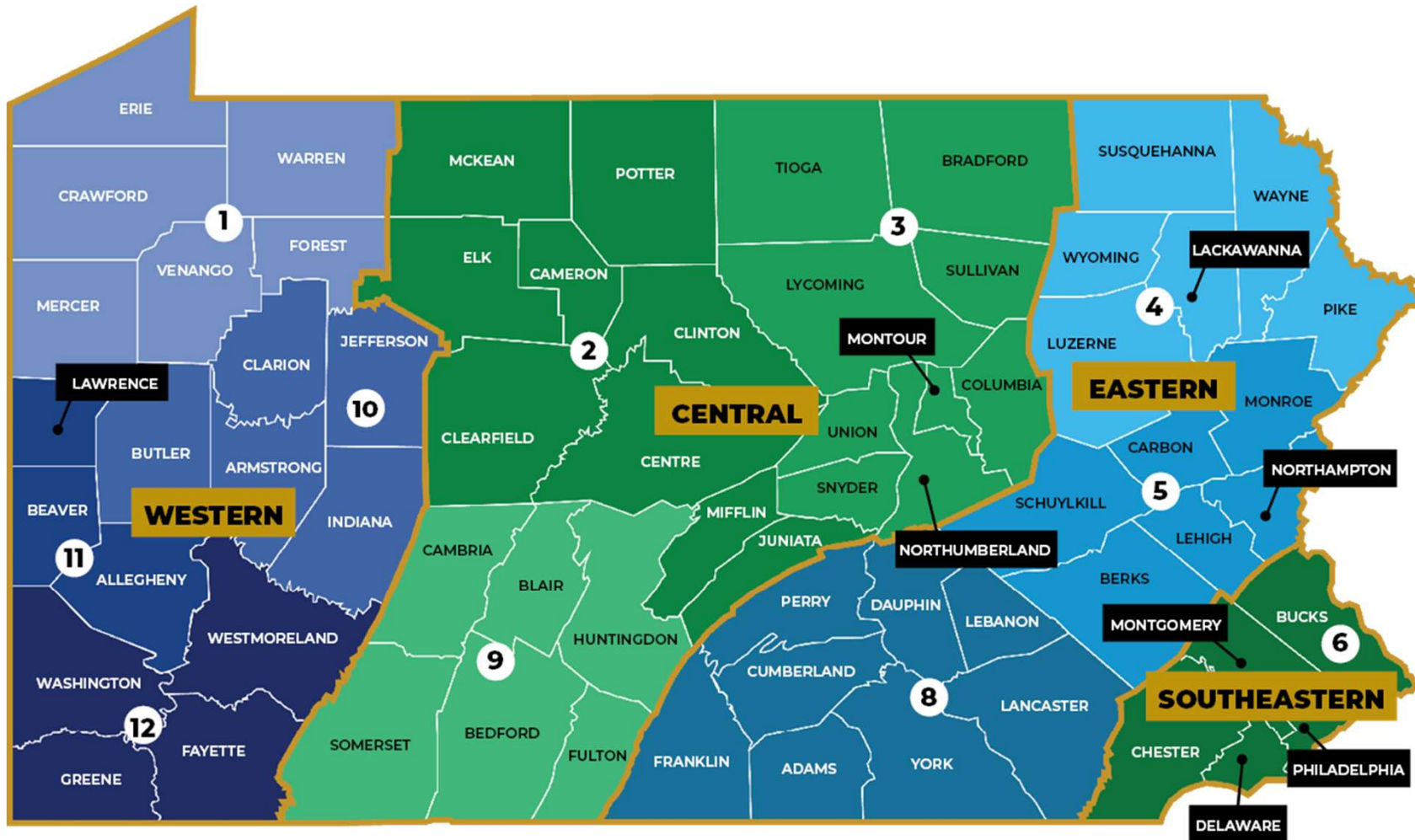


COMMUNITY CHARGING: \$75-80 MILLION

- The goal of the Community Charging Focus Area is to improve charging access within communities.
- Through a public survey, and via community engagement performed by local transportation planning agencies, PennDOT is gathering feedback on:
 - Charging station features (i.e. accessibility, affordability, safety, etc.)
 - Charging location types (i.e. on-street in downtowns, destinations, etc.)
 - Charging station locations (i.e. specific towns or neighborhoods)
- Local charging station priorities will be incorporated into the competitive funding opportunities
- PennDOT plans to release Community Charging Funding Opportunities on a regional basis, beginning in early 2026.



REGIONS



COMMUNITY CHARGING: \$75-80 MILLION

Region	Planning Partner	Planned Funding (%)	Planned Funding Amount	Planned Regional Funding (%)	Planned Regional Funding Amount
Western	SPC MPO Allegheny County	18 - 20% 9.4 - 11%	\$14 - 16 M \$7.5 - 8.5 M	22 - 25%	\$17 - 20 M
	Northwest RPO	1.5 - 2.3%	\$1.2 - 1.8 M		
	Erie County MPO	1.7 - 2.4%	\$1.3 - 1.9 M		
	Mercer County MPO	0.9 - 1.4%	\$0.7 - 1.1 M		
Central	SEDA-COG MPO	2.2 - 2.9%	\$1.7 - 2.3 M	8.2 - 9.4%	\$6.5 - 7.5 M
	North Central RPO	1.3 - 1.9%	\$1.0 - 1.5 M		
	Southern Alleghenies RPO	1.0 - 1.5%	\$0.8 - 1.2 M		
	Northern Tier RPO	0.9 - 1.4%	\$0.7 - 1.1 M		
	Blair County MPO	0.5 - 0.8%	\$0.4 - 0.6 M		
	Cambria County MPO	0.7 - 1.0%	\$0.5 - 0.8 M		
	Centre County MPO	1.2 - 1.8%	\$0.9 - 1.4 M		
	Lycoming County MPO	0.4 - 0.7%	\$0.3 - 0.5 M		
Eastern	Lehigh Valley MPO	4.4 - 5.7%	\$3.5 - 4.5 M	28 - 33%	\$22 - 26 M
	Lackawanna Luzerne MPO	3.7 - 4.7%	\$2.9 - 3.7 M		
	Tri-County MPO	3.7 - 4.7%	\$2.9 - 3.7 M		
	Lancaster County MPO	3.2 - 4.2%	\$2.5 - 3.3 M		
	NEPA MPO	3.2 - 4.2%	\$2.5 - 3.3 M		
	Berks County MPO	2.8 - 3.7%	\$2.2 - 2.9 M		
	York County MPO	2.8 - 3.7%	\$2.2 - 2.9 M		
	Franklin County MPO	0.8 - 1.3%	\$0.6 - 1.0 M		
	Lebanon County MPO	1.0 - 1.5%	\$0.8 - 1.2 M		
	Adams County MPO	0.5 - 0.8%	\$0.4 - 0.6 M		
Southeastern	Wayne County	0.3 - 0.5%	\$0.2 - 0.4 M	35 - 40%	\$28 - 32 M
	DVRPC MPO Philadelphia County	34 - 42% 18 - 23%	\$27 - 33 M \$14 - 18 M		



CRITICAL INVESTMENTS: \$7-10 MILLION

- The goal of the Critical Investments Focus Area is to fund important charging locations and types that may not be adequately addressed in the other focus areas.
- Examples could include:
 - EV charging stations for commercial medium- and heavy-duty vehicle charging
 - EV charging stations at PennDOT park-and-ride facilities
 - EV charging workforce development initiatives
 - EV charging stations at state owned public facilities (e.g., state parks, CareerLink locations)



COMMUNITY FRAMEWORK



Corridor Connections

\$15-\$20 million



Community Charging

\$75-\$80 million



Critical Investments

\$7-\$10 million

PennDOT NEVI Community Phase Framework

ELECTRIC CONSTRUCTION EQUIPMENT

- PennDOT was awarded a Department of Energy grant to deploy and demonstrate electric construction equipment on highway projects.
- PennDOT has purchased an electric backhoe and electric roller. A mobile battery unit is scheduled to arrive in the fall.
- We will share lessons learned and engage stakeholders throughout the demonstration phase and final reporting.



EV EDUCATION AND FEEDBACK

- Share comments, or sign up for the NEVI email list, by contacting ra-pdevcorridors@pa.gov.
- PennDOT is developing a topical EV educational video series for the public. The first video will be released soon.
- PennDOT is sharing guidance material for local governments to ensure safe level 1 charging over public sidewalks.
 - See [PennDOT Connects October 2024 Newsletter](#)
- An online EV training for first and second responders can be found at <https://gmevfirstrespondertraining.com/onlinetraining/>.
- SAE International has released a brand-neutral certification program for charging station technicians. For more details visit [SAE EVSE Technician Certification](#).



DEP ELECTRIC VEHICLE INITIATIVES



Pennsylvania
Department of Transportation

DEP SUPPORT FOR EVS

- Consumer EV rebate
- Grant program for alternative fuel fleet vehicles
- Medium and Heavy-Duty Zero Emission Vehicle Pilot Grant program
- Stakeholder and public education



DEP – ALTERNATIVE FUELS VEHICLE REBATE



Rebates for EVs for Low- and Middle-Income Individuals

- Household income must be under 300% of federal poverty to qualify
- \$3,000 rebate for new or used electric vehicle
- \$1,500 rebate for new or used plug-in hybrid
- Additional \$1,000 for low-income applicants

DEP – ALTERNATIVE FUELS INCENTIVE GRANT



Alternative Fuels Incentive Grant

- Competitive funding to incentivize fleet transitions to alternative fuels
- Eligible project types include incremental cost of fleet vehicle purchase and fleet fueling infrastructure
- Funded through the utilities gross receipts tax

DEP – ALTERNATIVE FUELS INCENTIVE GRANT

AFIG 2024 Awards



- 16 projects from Round 1
were awarded \$2.5M in December 2024
- 27 projects from Round 2
were awarded \$3.47M in July 2025

DEP – ALTERNATIVE FUELS INCENTIVE GRANT



- AFIG 2025 closed Oct 10th
- 45 applications were received requesting \$6,936,000
- Applications include 26 vehicle purchase projects, 17 refueling infrastructure projects, and 2 innovative technology projects
- Award announcements typically take around 4 months

DEP – PA-FIT GRANT PROGRAM

- PA Freight Innovations in Transportation Grant Program
- Application deadline extended until December 19th 2025
- \$23M in available funding
- Goal is to improve PA air quality by decreasing emissions from diesel-powered mobile sources

MEDIUM & HEAVY-DUTY FLEET REPLACEMENT



- Driving PA Forward (VW)
- Diesel truck replacement
- Focus on trucks impacting EJ areas
- Case study development
- Commercial and municipal fleets awarded
- Class 5 thru 8 vehicles
- PSU Larson Transportation Inst.

MUNICIPAL EV EDUCATION PROGRAM

- DEP conducted municipal EV education and feedback sessions
- Provided EV and charging infrastructure technical assistance to four PA municipalities
- Developed an Electric Vehicle Guidebook for PA Municipalities
 - Available on DEP's website

CONTACT INFORMATION

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