



Drive Electric PA Coalition Meeting

December 7th, 2023
Harrisburg, PA



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

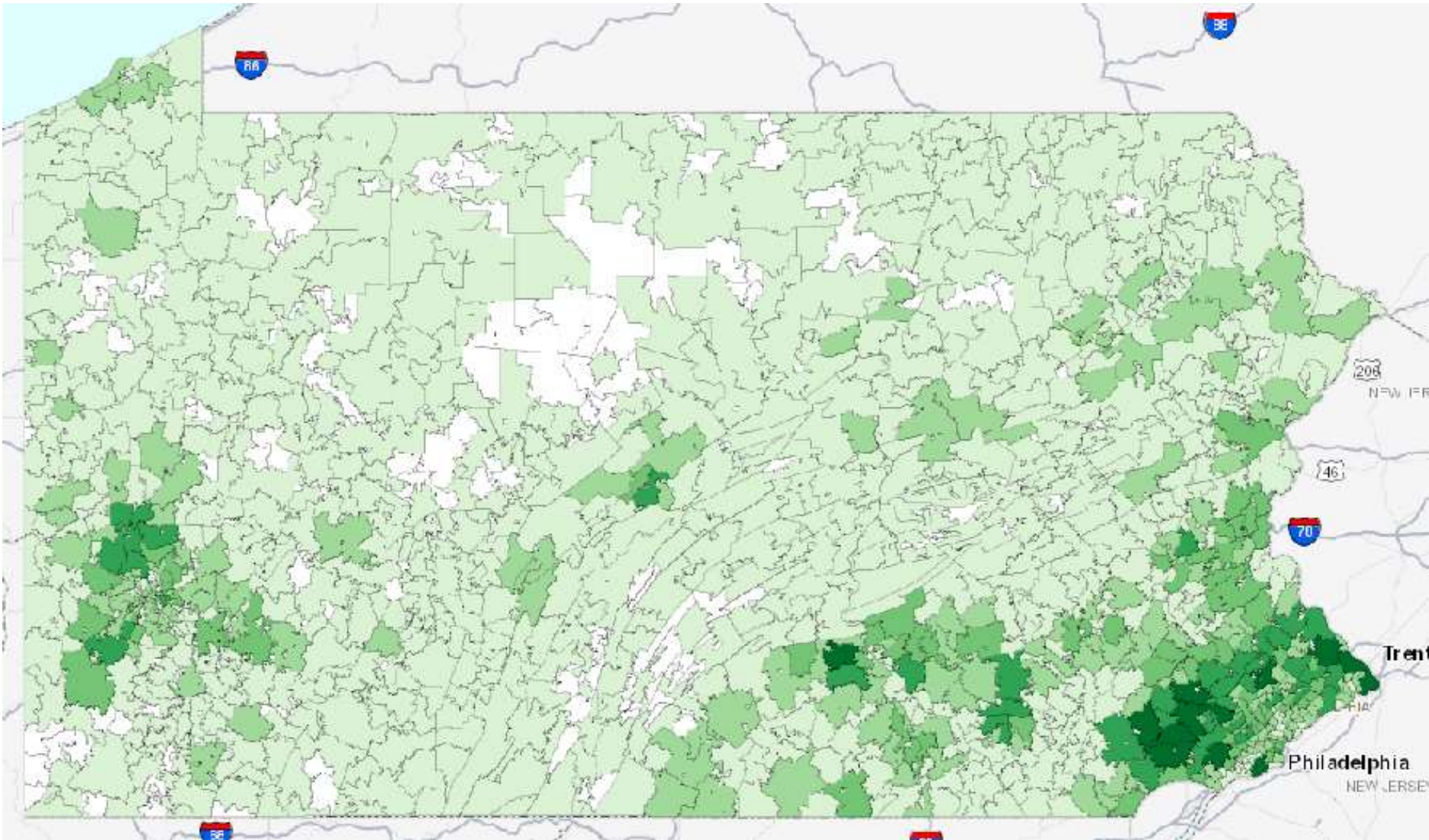
	March 2020	March 2021	March 2022	March 2023*	October 2023*
BEV	11,343	16,924	23,689	43,725	59,332
PHEV				23,839	33,710
Hybrid	36,252	46,401	56,334	221,661	262,345

- BEV – Battery Electric Vehicle
- PHEV – Plug-in Hybrid
- PennDOT historical data did not differentiate plug-in hybrids and hybrids

Source: PennDOT registration database

*VIN de-coding completed

EV REGISTRATIONS IN PA



Vehicle Registrations by ZIP Code

Total Electric Fuel Vehicles



[PennDOT EV Registrations Interactive Map](#)



PENNSYLVANIA DEP ZERO EMISSION VEHICLE (ZEV) ROADMAP

SAM POURNAZERI – ICF

STEPHANIE KING - ICF



LUNCH AND NETWORKING

NOON – 12:45PM



PENNSYLVANIA DEP ZERO EMISSION VEHICLE (ZEV) ROADMAP

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DEP AND PENNDOT EV UPDATES



DEP UPDATES

- Level 2 Charging Rebate (Driving PA Forward)
 - 2,280 new charging plugs installed at 642 locations
 - Public spaces: 52%
 - Workplaces: 32%
 - Multi-unit Res.: 16%
 - Approx. \$10M committed
 - Program closed – funds exhausted
 - All applicants on waitlist have been issued vouchers

DEP UPDATES

- DC Fast Charging Projects (Driving PA Forward)
 - 32 DC fast charging projects awarded since 2019
 - ~\$7.2M committed, \$0 remaining
 - 14 Projects are completed and operational
- The Alternative Fuel Vehicle Rebate
 - Electric vehicle purchase rebates (income caps apply)
 - \$2000 for new or used BEV
 - \$1500 for new or used PHEV
 - Low-income \$1k bonus (total maximum rebate \$3k)
 - Since July 1st 2023
 - 198 Rebates awarded (\$434,500)
 - Low-income bonus added to 50 rebates
 - Top models: Bolt, Model 3, Leaf, Prius Prime, ID4

DEP UPDATES

- Alternative Fuel Incentive Grant (AFIG)
- 2022 AFIG awarded \$4.4M
 - 41 projects awarded
 - 86% of funding to Electrification (\$3.8M out of the \$4.4M)
 - \$2.5M to EVs
 - \$1.3M to EV charging infrastructure
- 2023 AFIG open (at least \$5M available)
 - 1st Application window ended: Aug 25, 2023
 - 2nd Application window ending: Dec 15, 2023

DEP UPDATES

- DEP will be providing educational sessions/Technical Assistance
- EPA's 2023 Clean School Bus Rebates now open till January 31, 2024
- Over \$40 million in funds for electric school buses and charging equipment awarded to districts in PA
- 104 electric school buses will be hitting the streets in 11 school districts in PA from the 2022 funding



DEP UPDATES

- Medium and Heavy-Duty Zero Emission Vehicle Pilot Grant program (Driving PA Forward)
 - Goal to develop fleet case studies
 - Min. 3 local freight trucks per fleet
 - Targeting trucks operating in EJ communities
 - Funding up to 75-100% of ZEV trucks + infrastructure
 - Successful applicants commit to 2 years of data reporting
 - DEP contractor will develop & publish case studies
 - 18 applications received

NEVI YEARS 1-2 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



- PennDOT has nominated corridors over 7 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

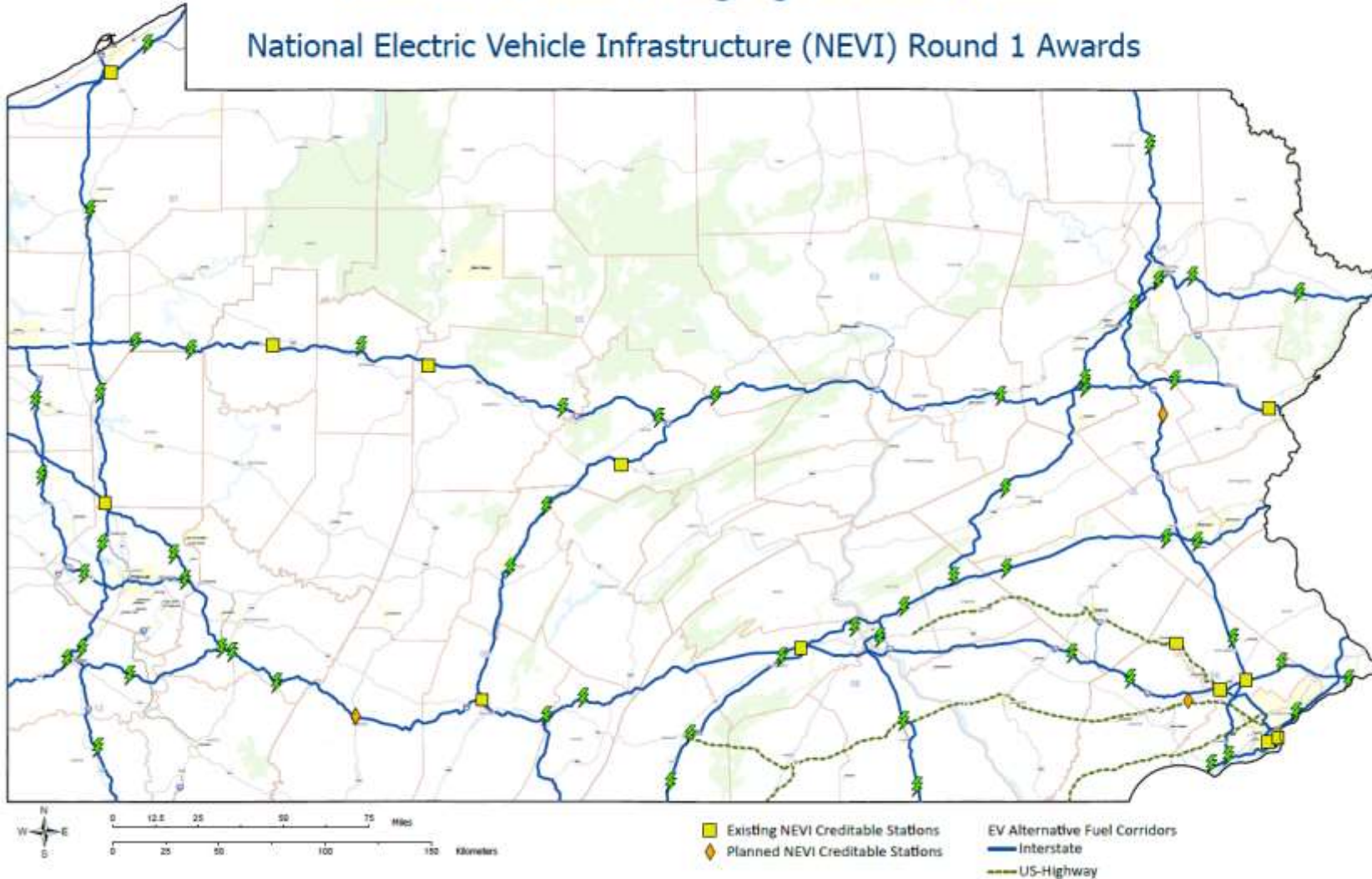


ROUND 1 CONDITIONAL AWARDS

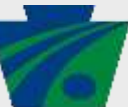


Electric Vehicle Charging Stations 2023

National Electric Vehicle Infrastructure (NEVI) Round 1 Awards



- 56 projects within 37 counties
- \$34.8 million
- 24 projects in or within ½ mile of a Disadvantaged Community
- Typical Project Timeline 18-24 months

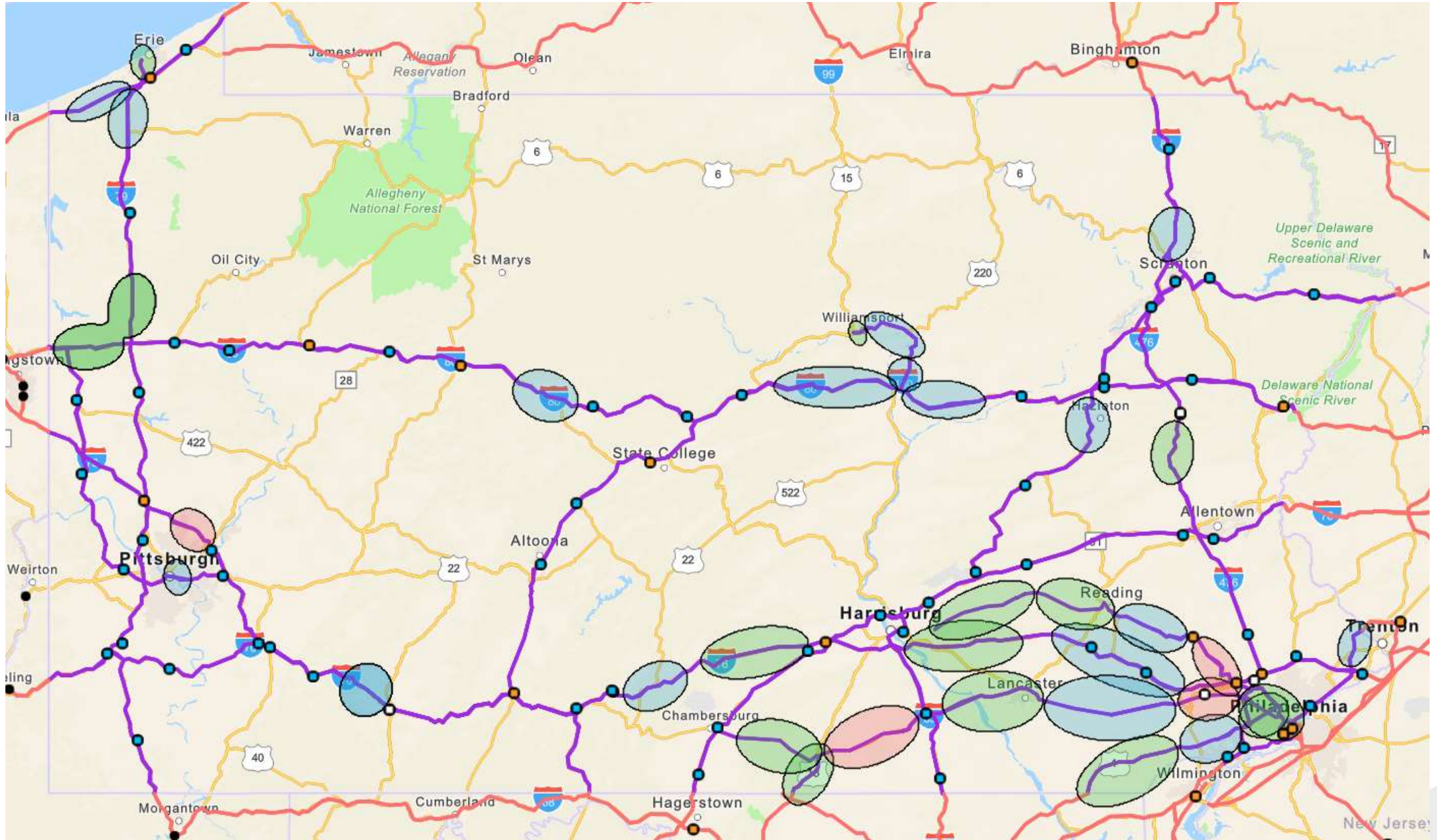


ROUND 1A TIMELINE

Activity	Date
Draft Priority Locations map released	October 3, 2023
Community outreach events (6)	October-November 2023
Networking event	November 13, 2023
Funding Opportunity released	November 13, 2023
Priority Locations map finalized	November 13, 2023
Deadline to submit technical questions	December 4, 2023
eGrants system opens for online proposals	December 11, 2023
Submit utility form to electric utility	Mid-November 2023 to Mid-January 2024
Deadline to submit online proposals	January 26, 2024, at 5:00 PM EST
PennDOT proposal review	February-April 2024
Conditional award notifications	May 2024
PennDOT NEPA process	May-July 2024
Agreement execution; notice to proceed	August-September 2024



ROUND 1A PRIORITY LOCATIONS



GENERAL UPDATES

- IRS FAQ for EV purchase tax credits:
 - [Frequently asked questions related to new, previously-owned and qualified commercial clean vehicle credits \(irs.gov\)](https://www.irs.gov/efile/faq-ev-credits)
- EPA 2023 Clean School Bus Rebate program is now open!
 - <https://www.epa.gov/cleanschoolbus/clean-school-bus-program-rebates>

OPPORTUNITY

Help EPA showcase the benefits of electric transportation and **win up to \$3,000**

My Electric Ride



An EV Transportation Video Challenge

Send us your short (up to 2-minute) personal videos that creatively convey your experiences using electric transportation in your everyday life to share your story.



Micromobility
eBikes & eScooters



Electric Buses
School Buses, Shuttle Buses, or Transit Buses



Electric Vehicles
Cars, Trucks, and SUVs

Submit your video by January 23, 2024
epa.gov/greenvehicles/ev-video-challenge



ATTENDEE EV UPDATES



NEXT MEETING

- Spring 2024
 - Virtual only
- Let us know your thoughts and feedback from today's meeting
- Feel free to share content/speaker ideas

THANK YOU!

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