



## Drive Electric PA Coalition Meeting

June 6, 2024



# 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

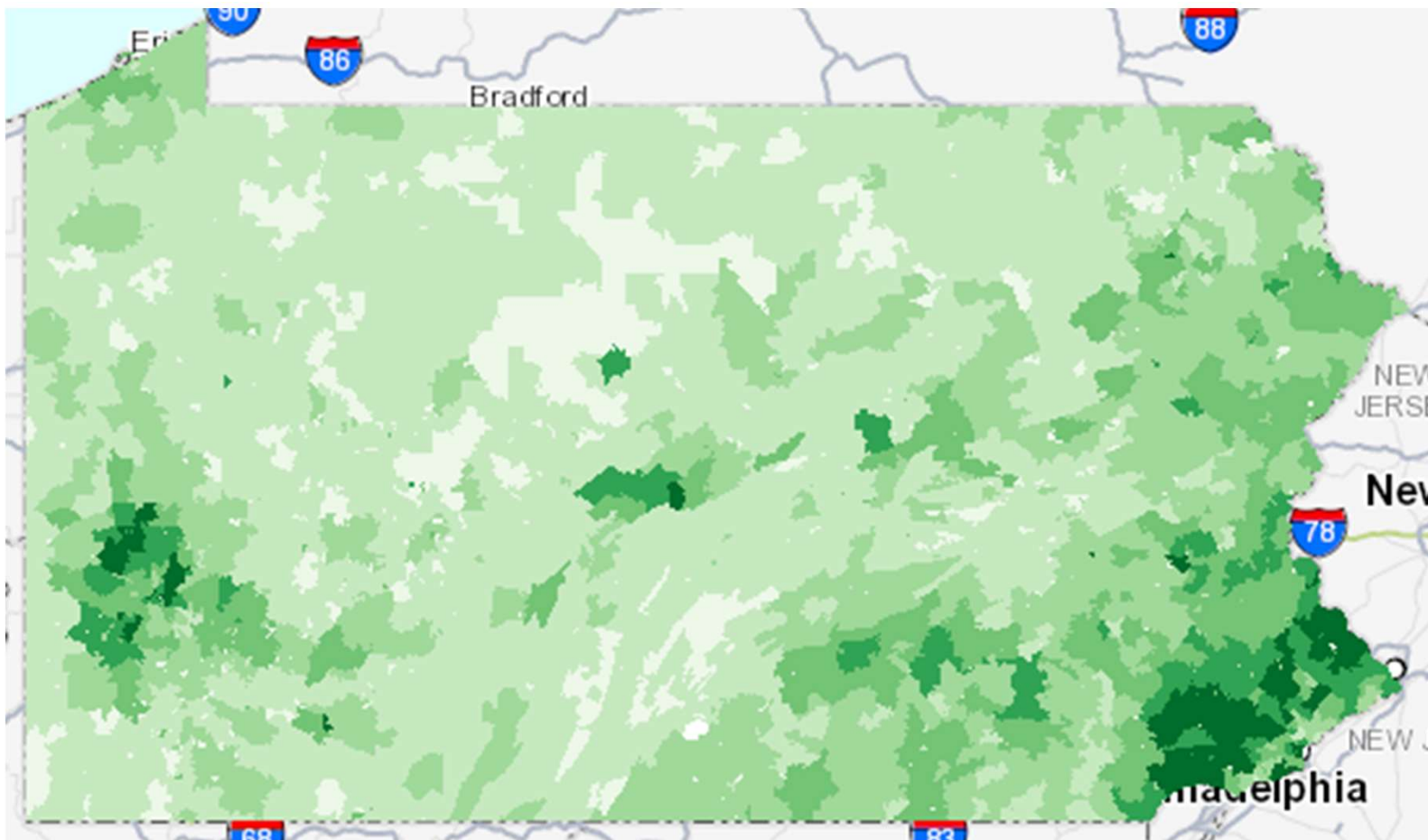
	March 2023	June 2023	September 2023	December 2023	March 2024
<b>BEV</b>	44,800	50,009	55,627	61,794	66,104
<b>PHEV</b>	24,346	27,116	31,056	35,575	39,850
<b>Hybrid</b>	225,049	238,690	252,719	270,262	286,154

- BEV – Battery Electric Vehicle
- PHEV – Plug-in Hybrid

Source: PennDOT registration database

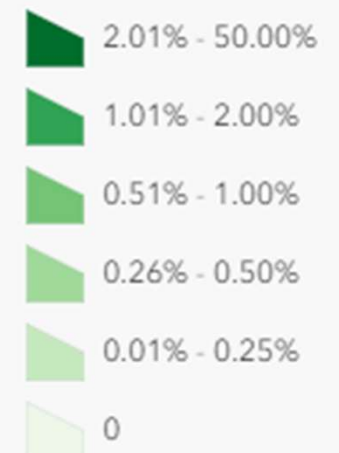


# EV REGISTRATIONS IN PA



## Registrations by ZIP Code

### Percent Electric Vehicles



[PennDOT EV Registrations Interactive Map](#)



# DEP AND PENNDOT EV UPDATES



# DEP UPDATES



2024 AFIG program is open - \$5M funding available for 2024

- Round 1 closes June 28, 2024
- Round 2 closes December 20, 2024

2023 AFIG awarded \$1.3M Round 1  
13 projects awarded for Round 1  
90% of funding to Electrification

Round 2 awards will be announced soon

# DEP UPDATES

## 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 1<sup>st</sup> 2023
  - 643 Rebates awarded (\$1,440,500)
  - Low-income bonus added to 187 rebates (29% of total)
  - Top models: Bolt, Model 3, Model Y, Leaf, Niro

## DC Fast Charging Projects (Driving PA Forward)

- 32 DC fast charging projects awarded since 2019
- ~\$7.2M committed, \$0 remaining
- 17 Projects are completed and operational

# DEP UPDATES

## Level 2 Charging Rebate (Driving PA Forward)

- 2,530 new charging plugs installed at 698 locations
  - Public spaces: 52%
  - Workplaces: 32%
  - Multi-unit Res.: 16%
- Approx. \$10M committed
- Program closed – funds exhausted





# DEP UPDATES

## Electric School Bus Technical Assistance

- Provided educational workshops on School Bus Electrification and is providing follow-up one-on-one technical assistance to a select number of PA school districts.
- **PA school districts were awarded \$55.7 million in funding from EPA's latest Clean School Bus funding round**
  - Plumb Borough (\$5M), Bethel Park (\$2M) Reading (\$8.98M), Philadelphia (\$8.96M), Woodland Hills (\$7.3M), and Erie City (\$4.1M). 204 buses total



# DEP UPDATES

## Medium and Heavy-Duty Zero Emission Vehicle Pilot Grant program (Driving PA Forward)



- DEP awarding \$35M to replace aging diesel fleets with ZEV
- Funded by Environmental Mitigation Trust (VW Settlement)
- Goal to develop fleet case studies with 2 years of data
- Targeted trucks operating in EJ communities
- 14 projects; over 80 MHD ZEV's
- DEP contractor will develop & publish case studies

# 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

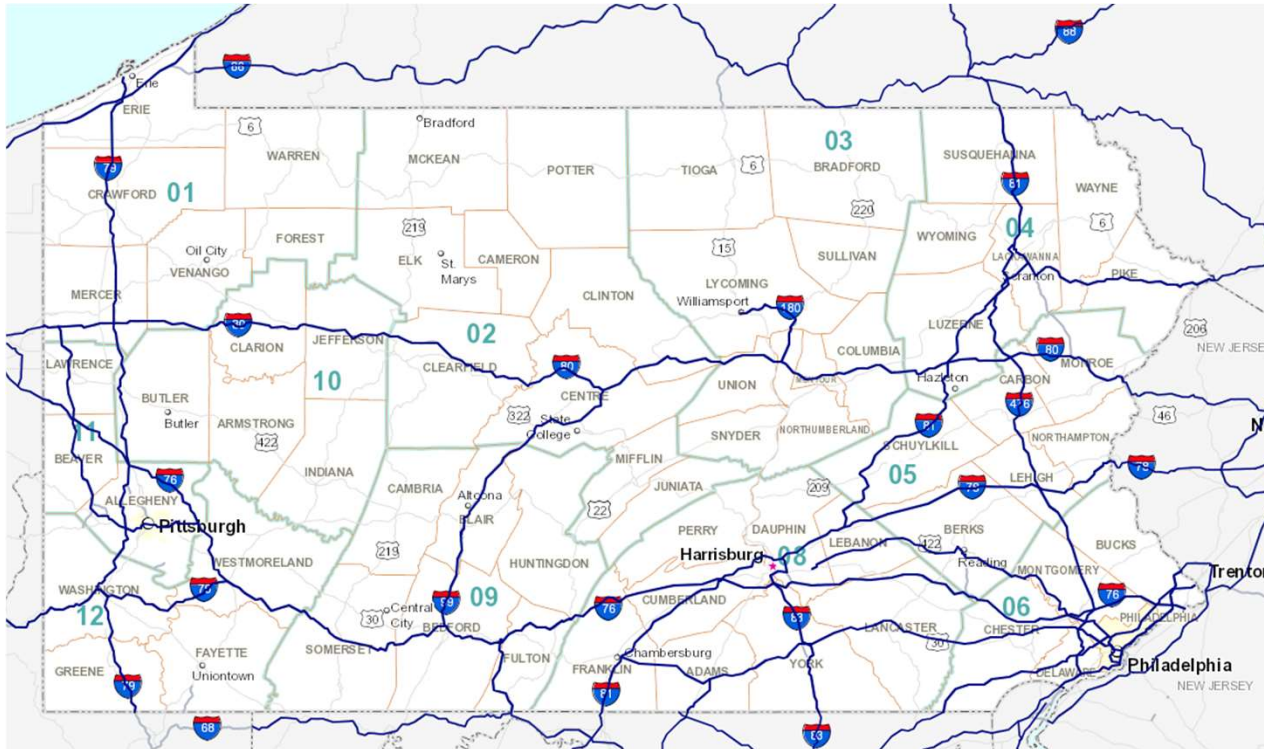
**DC Fast Charge**

**200+ miles**  
Per Hour

Highways,  
Communities,  
Destinations



# EV ALTERNATIVE FUEL CORRIDORS



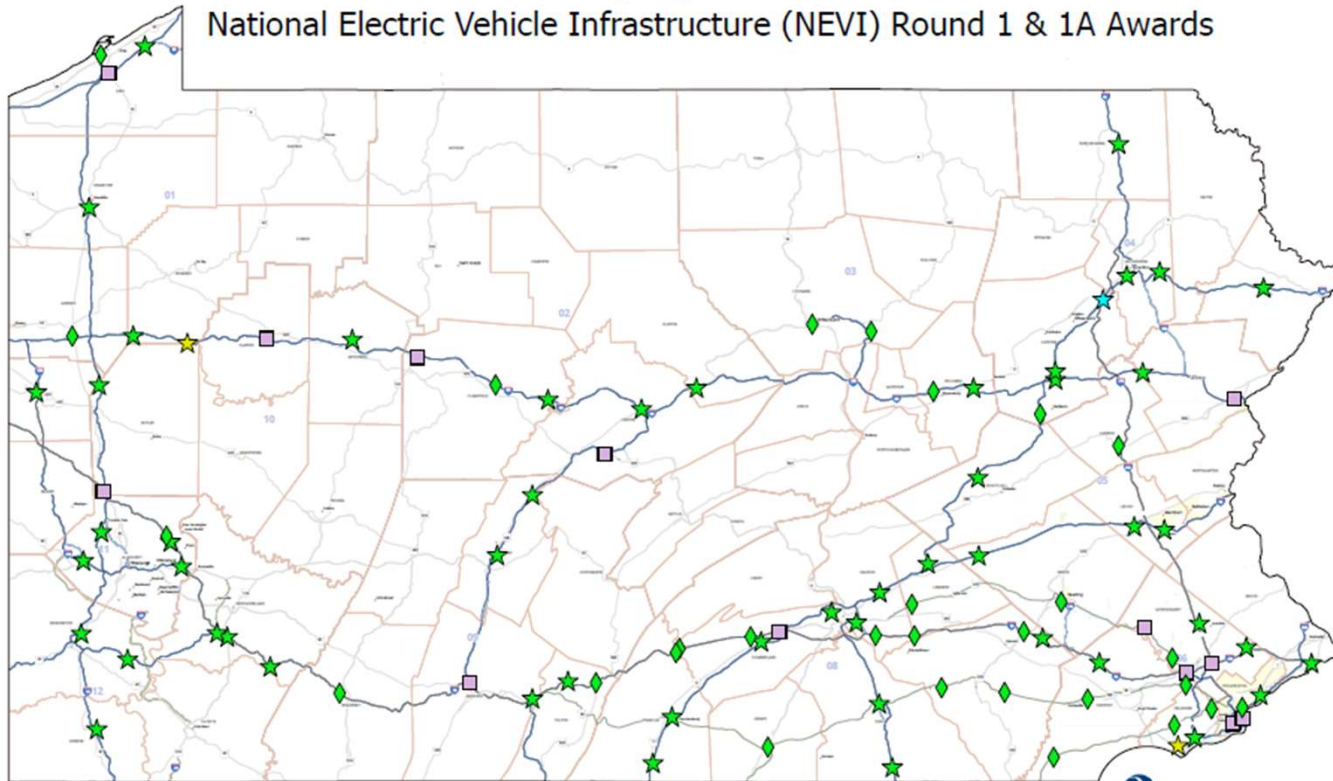
- PennDOT has nominated corridors over 7 rounds - includes interstates and portions of US 30, US 15, Route 1, and Route 422 - over 1,800 miles of roadway
- NEVI funding must be applied to AFCs until a “**Build-Out**” certification by FHWA



# ROUND 1 & ROUND 1A ACTIVE PROJECTS

## Electric Vehicle Charging Stations 2024

National Electric Vehicle Infrastructure (NEVI) Round 1 & 1A Awards



- 82 projects within 40 counties
- \$52.6 million
- 35 projects in or within ½ mile of a Disadvantaged Community
- Typical Project Timeline 18-24 months

Round 1 Station Status  
★ Planned  
★ In Progress  
★ Operational

Round 1A Station Status  
◆ Planned

EV Alternative Fuel Corridors  
— Interstate  
— US Highway

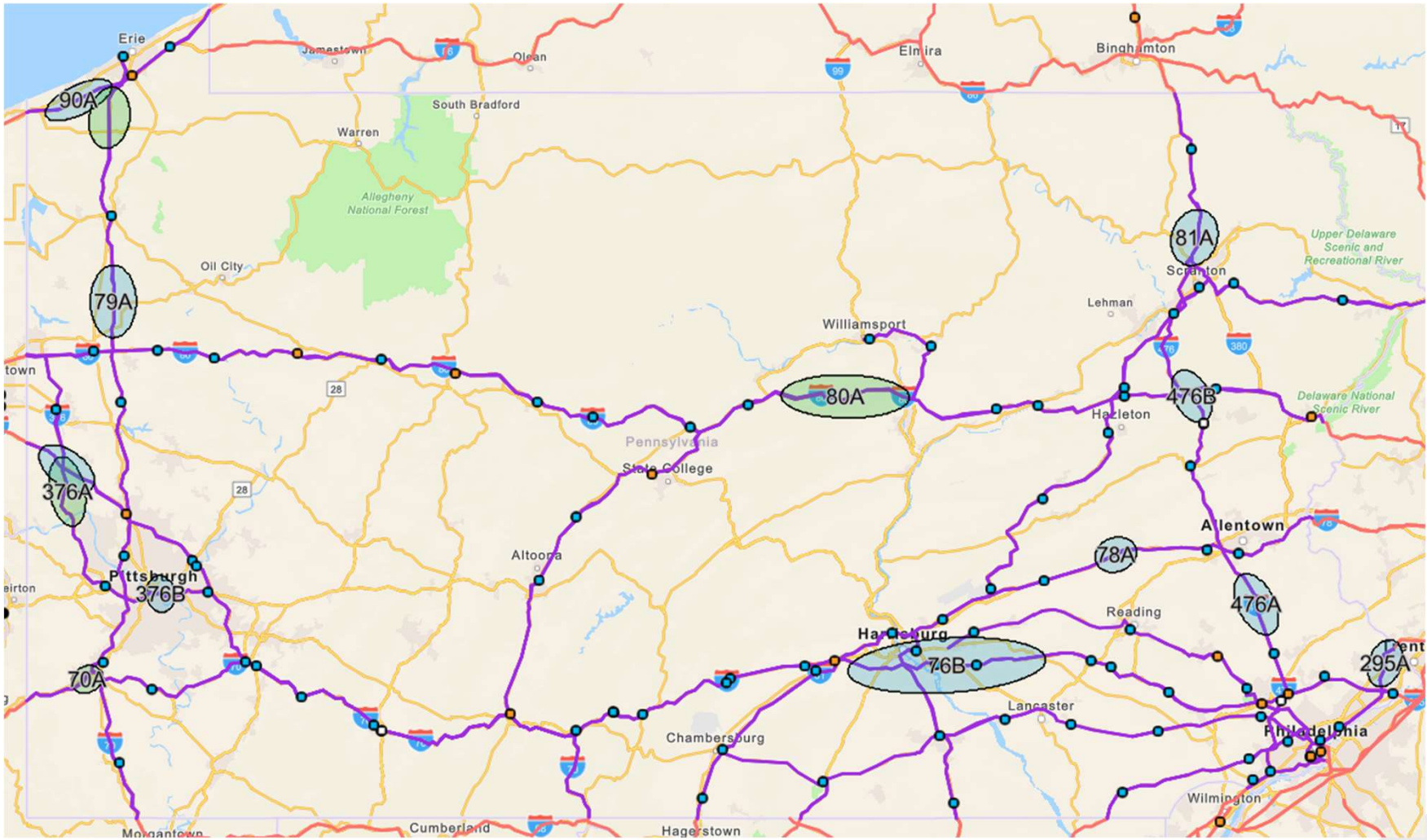
Other Funding Sources  
■ Operational (NEVI Creditable Station)

U.S. Department of Transportation  
Federal Highway Administration

pennsylvania  
DEPARTMENT OF TRANSPORTATION



# ROUND 1B PRIORITY LOCATIONS



# WHAT'S NEXT

- NEVI Round 1B
  - Fill gaps that remain after Round 1 and Round 1A
  - Closes on 7/10/24
- Round 2 – Community Buildout
  - Approximately \$100 million available
  - Planning starting now
  - Anticipated to commence in 2026 or 2027
  - Community and stakeholder engagement continues to develop the program.
- EV Charging Reliability and Accessibility Accelerator Program (RAA)
  - There are 293 eligible charging ports at 174 locations in Pennsylvania
  - Anticipate that between 20 and 50 sites will receive an award
  - Open now, closes on 8/14/24
- DOE E-Construction Equipment Grant



# EV EDUCATION AND FEEDBACK

- Throughout the NEVI program PennDOT has engaged with stakeholders and communities
  - A summary of the Fall 2023 community outreach sessions and outcomes can be found on PennDOT's [NEVI Resources](#) webpage.
- PennDOT is currently developing a guidance document for local governments to ensure safe level 1 charging over public sidewalks.
- 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](#).





# ATTENDEE EV UPDATES



# NEXT MEETING

- Fall 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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