

# **PENNSYLVANIA ELECTRIC VEHICLE CHARGING RELIABILITY AND ACCESSIBILITY ACCELERATOR (EVC-RAA) PROGRAM**

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## **EVC-RAA ROUND 1A WEBINAR**

PENNDOT EV TEAM • • OCTOBER 31, 2024



Pennsylvania  
Department of Transportation

# INTRODUCTION

- Today's webinar will be recorded and posted on PennDOT's EVC-RAA webpage.
- Participant camera and mics are disabled.
- Please feel free to type comments and questions in the chat anytime. "Reactions" are also encouraged.



# TODAY'S AGENDA

- EV Registrations Update
- Electric Vehicle Charging Reliability and Accessibility Accelerator (EVC-RAA) Program Round 1A
  - Introduction
  - Program Details
- Open Questions and Answers



# MICROSOFT TEAMS POLLS



# **PENNSYLVANIA EV REGISTRATION UPDATE**



Pennsylvania  
Department of Transportation

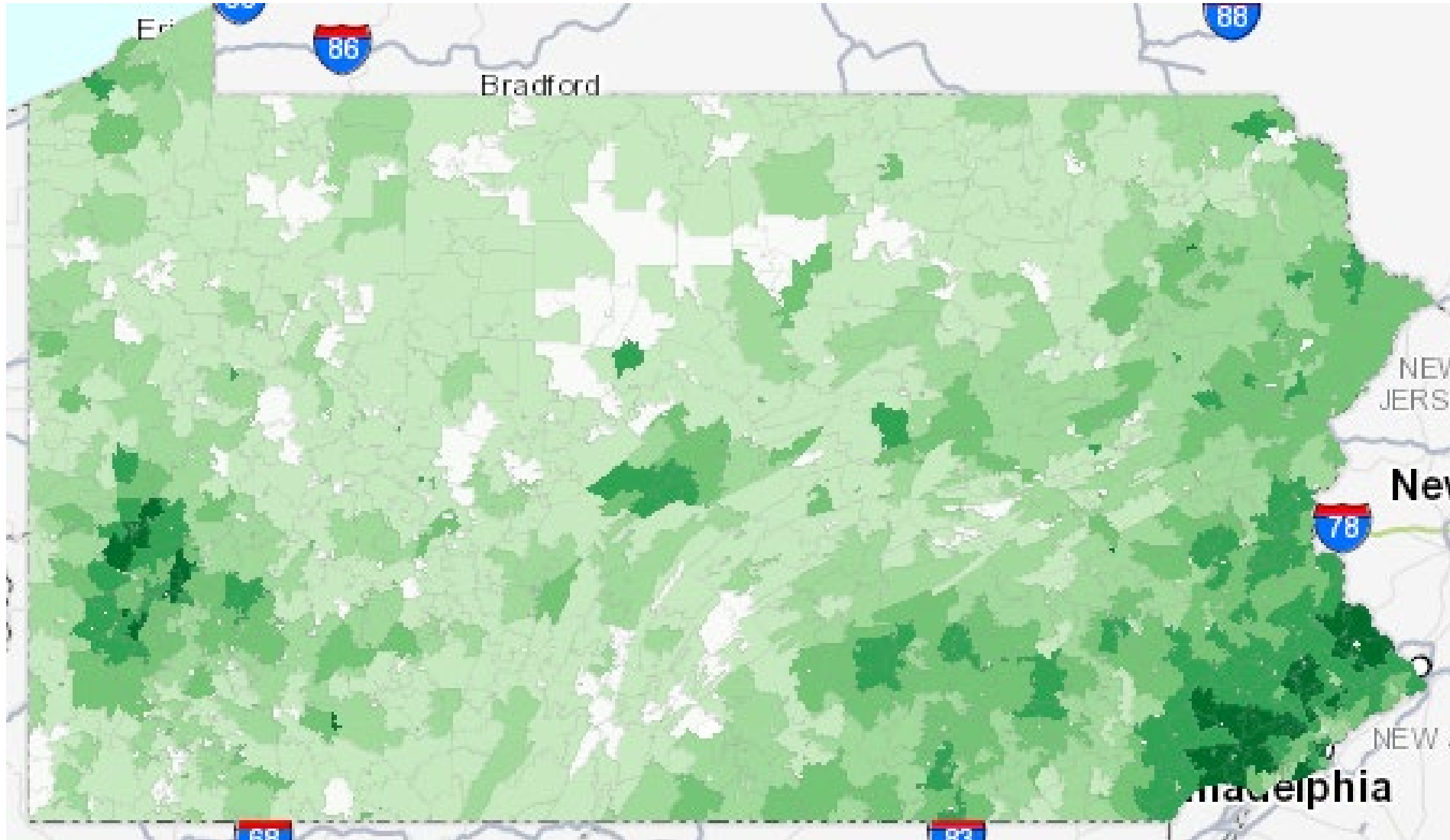
# EV REGISTRATIONS IN PA

Fuel type	9/30/2024 Totals	Difference since 8/30/24	Percent Increase since 3/7/23
BEV	79,013	2,932	80.70%
PHEV	45,558	995	91.11%
HEV	321,828	7,544	45.19%
Fuel Cell	3	1	200.00%
Total	446,402	11,472	54.34%

Source: PennDOT registration database

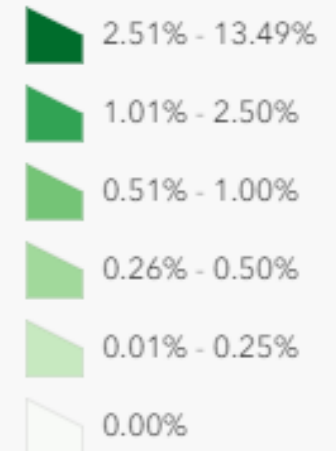


# EV REGISTRATIONS IN PA



## Electric Vehicle Registrations - ZIP

Percent of EV Registrations (Q2)



[PennDOT EV Registrations Interactive Map](#)



**ELECTRIC VEHICLE  
CHARGING RELIABILITY  
AND ACCESSIBILITY  
ACCELERATOR (EVC-RAA)**





# OVERVIEW OF PA'S EVC-RAA PROGRAM



- PennDOT has \$5 million available for the repair and replacement of Broken or Non-operational chargers
  - A small portion of funds may be used for program administration
- Only the 174 charging stations on the final list provided by the Federal Highway Administration are eligible for funding
  - Two of the locations have already been awarded in Round 1
- One or more chargers at the location must still be Broken or Non-operational to be eligible
- Projects must plan for compliance with all components of 23 CFR 680, including a minimum of 4 ports and maintaining a greater than 97% uptime

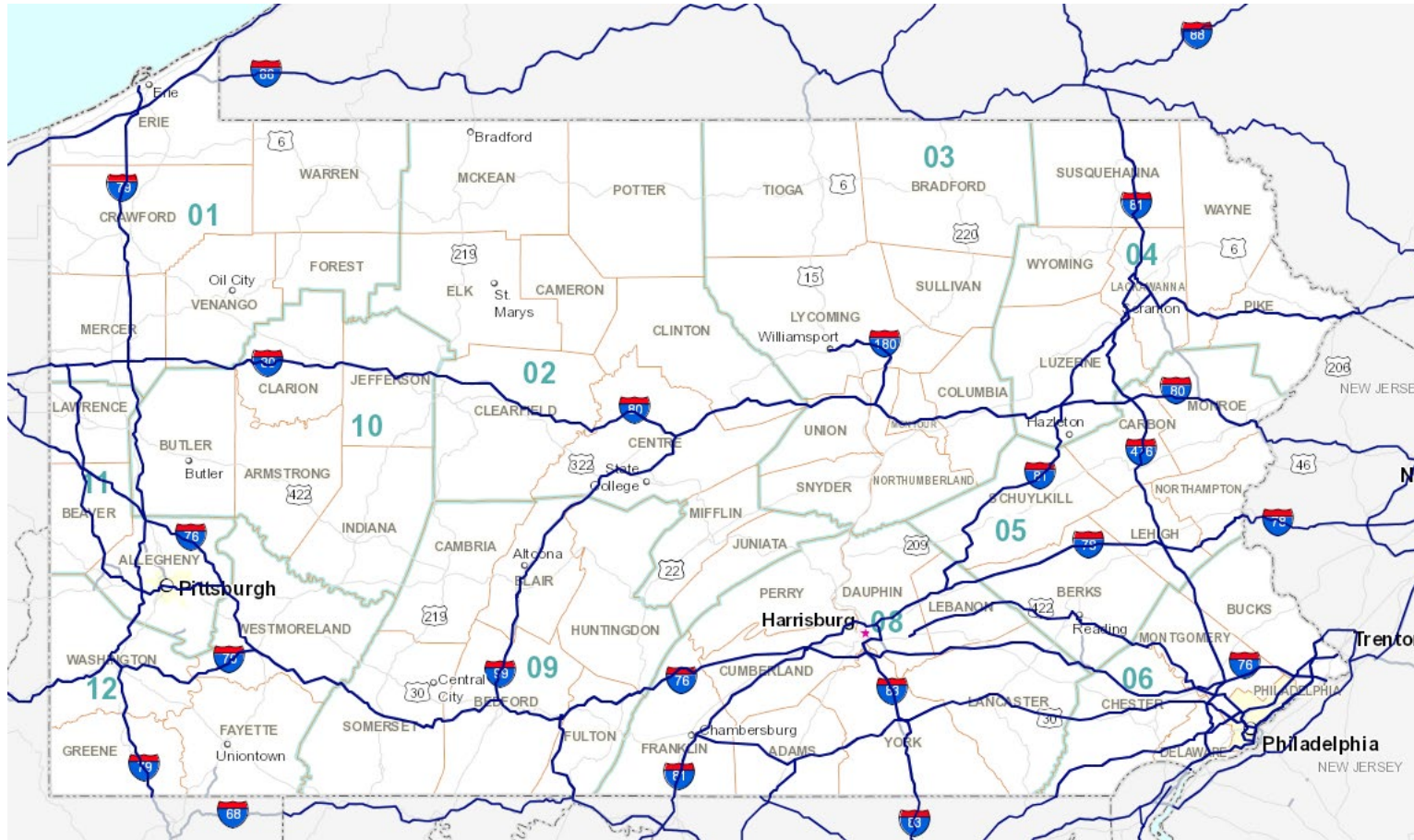


# 23 CFR 680 REQUIREMENTS

- Minimum of 4 charging ports (can charge EV's at the same time)
- All ports must include a CCS (DC fast) or J1772 (Level 2) connector
- Publicly available
- Transparent and convenient payment methods
- ENERGY STAR certified (level 2 only)
- 5 years of operations and maintenance, including greater than 97% uptime and quarterly and annual reporting
- Qualified installers
- Customer service
- OCPP and OCPI
- Davis-Bacon wages for construction activities
- Buy America compliant equipment
- Additional requirements as detailed in [23 CFR 680](#)



# 23 CFR 680 MINIMUM POWER REQUIREMENTS



- EVC-RAA projects located within 1 mile of an Alternative Fuel Corridor exit and designed to serve users of the AFC are required to operate 4 DC fast ports, each capable of simultaneous 150 kW charging
- All other projects must operate at least 4 ports, each capable of simultaneous 6 kW charging



# ELIGIBLE PROJECTS

- Projects that will repair or replace Broken or Non-operational charger(s), from the list of eligible chargers
  - Broken or Non-Operational means “electric vehicle chargers and intrinsically related equipment that no longer function as intended by the manufacturer resulting from events including, but not limited to: accident, vandalism, natural disaster, and equipment degradation.
- Projects must seek to repair or replace the Broken or Non-operational charger(s) in the most cost-effective manner, while complying with 23 CFR 680
- Clarification from Round 1: Any Project that is listed on the eligible AFDC Station ID list is eligible for funding, even if the charger has already been repaired.



# INELIGIBLE PROJECTS

- Projects that will not comply with all 23 CFR 680 requirements when completed
- Projects that include additional scope beyond what is needed to meet the minimum requirements
  - Examples include upgrading level 2 chargers to DC fast or adding distributed energy resources
- Repair projects for which costs would exceed the costs to replace the equipment
- Replacement projects that could be returned to compliant operational status with less costly repairs



# EVC-RAA TIMELINE

Activity	Date
EVC-RAA Funding Opportunity released	October 24, 2024
EVC-RAA Webinar	October 31, 2024
Deadline to submit technical questions	November 8, 2024
eGrants system opens for online proposals	November 11, 2024
Deadline to submit online proposals	January 10, 2025, at 5:00 PM EDT
PennDOT proposal review	January – February 2025
Conditional award notifications	February 2025
PennDOT NEPA process	March – April 2025
Agreement execution	May 2025 – June 2025





# PROPOSAL PROCESS

- Online submission process
  - Register in eGrants (see Section IV for instructions)
- One Proposal per eligible Project site, Prospective Contractors may submit multiple proposals
- Each Project is scored individually
  - A Prospective Contractor may receive conditional awards for multiple of their proposed Projects
- A Site Host letter of commitment is required for each Project
- See Appendix II for detailed Proposal instructions
- See Appendix III for all Proposal questions as they appear in eGrants
- Round 1A change: The EVC-RAA Proposal Excel File is no longer used



# PENNDOT EVC-RAA REQUIREMENTS

- Local Hiring Preference Requirement:
  - At least 50% of the total amount of Davis-Bacon Act covered labor performed during the Project shall be completed by workers whose permanent residential address is located within 50 miles of the Project site. See Funding Opportunity section IV-H for more details.
- Prospective Contractors are required to pay for project costs up front, and receive no more than 80% reimbursement
- Projects must be operational within 15 months of the conditional award date
- Additional requirements and details are found in the [EVC-RAA Round 1A Funding Opportunity](#)





# FUNDING OPPORTUNITY RESOURCES

- The [EVC-RAA Round 1A Funding Opportunity](#) contains many helpful resources, such as the following:
- Minimum equipment requirements (Appendix V)
- Detailed scoring rubric (Appendix IV)
- List of Project Deliverables and when they are due (Appendix VI)
- Project step graphics to assist Prospective Contractors (Section VI)
  - Graphic showing projects steps from Conditional Award to Notice of Acceptance
  - Graphic showing projects steps from Notice of Acceptance to project completion
- Final Site Design checklist (Appendix IX)
- EVC-RAA legal Agreement (Appendix XII)
  - Agreement is draft and subject to minor changes



# EVC-RAA SCORING RUBRIC

Scoring Category	Points
0. Minimum Requirements	0
1. Team Roles	15
2. Disadvantaged Community Score	5
3. Site Information	10
4. Customer Safety Enhancements	10
5. Site Host Letter of Commitment	5
6. Funding Request	20
7. Charging Availability and Reliability	15
8. Proposed Timeline	15
9. Cost Breakdown and Narrative	5
<b>Total</b>	<b>100</b>



# EVC-RAA DETAILED RUBRIC

## Appendix IV – Scoring Rubric

Evaluation criteria for each questionnaire element from **Appendix III – Proposal Questionnaire** is described in detail in the tables below.

ID	Element	Description	Score Breakdown Points	Max Points
1	Team Roles	Relevant organizations involved in Project	Opts: Incomplete Project team 1-15pts: Based on organizations involved in Project	15
2	Disadvantaged Community (DAC) Score (Based on Project Location)	Score based only on the Project location (refer to <b>Appendix VII – Disadvantaged Community (DAC) Score</b> )	Opts: Project not located within a disadvantaged census tract 3-5pts: Based on number of disadvantaged criteria met (refer to <b>Appendix X – List of Eligible AFDC Station</b> )	5
3	Site Information	Map, photos, or description of Project showing location of key Project information	Opts: Limited information shown 1-10pts: Based on quality and content of information and site layout	10



# PENNDOT EV RESOURCES



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# EVC-RAA RESOURCES

- [PennDOT EVC-RAA Round 1A Important Consideration for Prospective Contractors](#)
  - Three-page EVC-RAA summary including important requirements and other details
- [Final List of 174 Eligible Charging Stations](#)
  - List from Federal Highway Administration of the 174 eligible charging stations in PA
- [Electric Vehicle Infrastructure Training Program \(EVITP\) Certified Electricians in Pennsylvania](#)
  - List of all EVITP certified electricians in Pennsylvania
- [PennDOT EVC-RAA Webpage](#)



# OTHER EV RESOURCES

- [Electric Vehicles and Alternative Fuels \(pa.gov\)](#)
- [National Electric Vehicle Infrastructure \(NEVI\) Formula Program \(pa.gov\)](#)
- [EV Mobility Plan \(pa.gov\)](#)
- [Drive Electric PA Coalition](#)
- [Electric Vehicles in PA](#)
- [PA EV Roadmap](#)
- [Alternative Fuels Incentive Grant](#)
- [Driving PA Forward](#)
- [PennDOT NEVI Active Projects Map](#)
- [PennDOT EV Registrations Map](#)



# QUESTIONS?



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# CONTACT INFORMATION

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