



**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

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

**EVC-RAA WEBINAR**

**JUNE 11, 2024**

# 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.

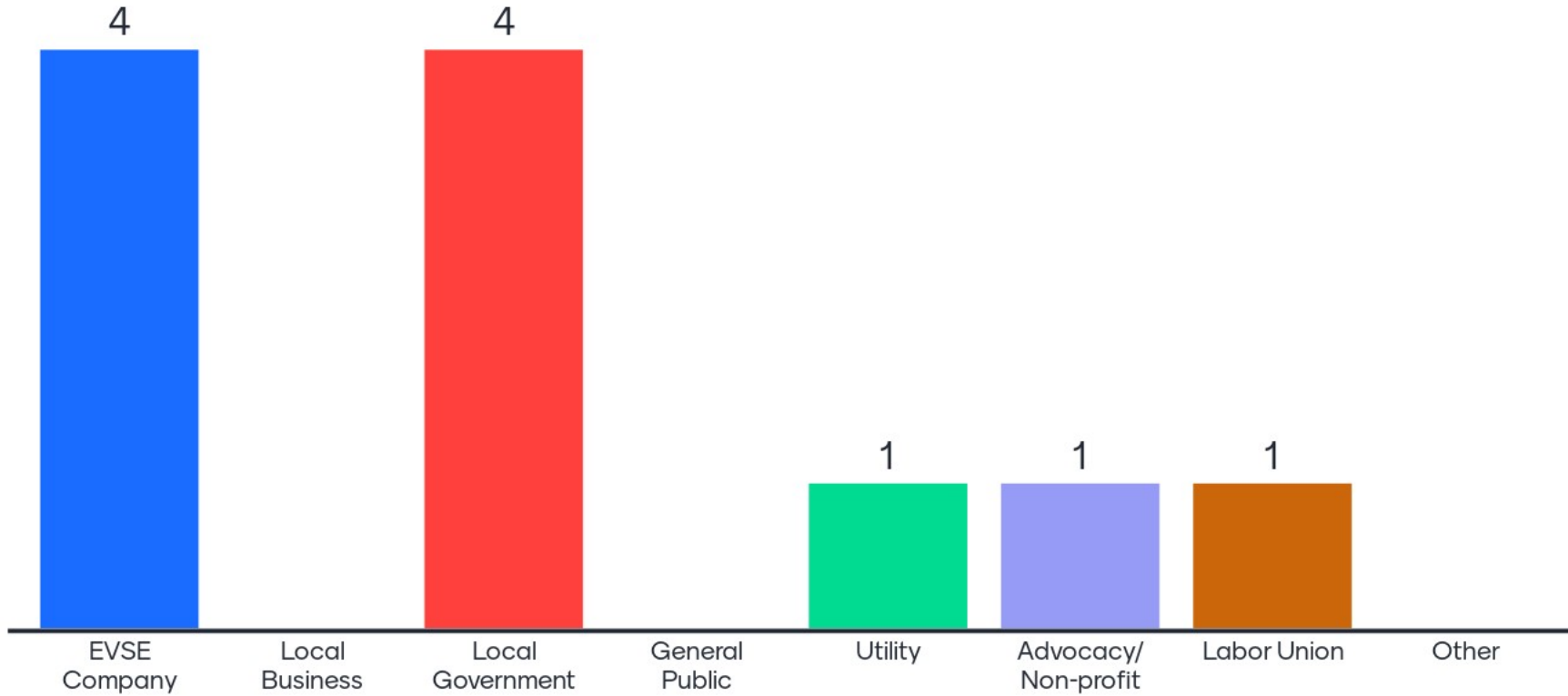


# TODAY'S AGENDA

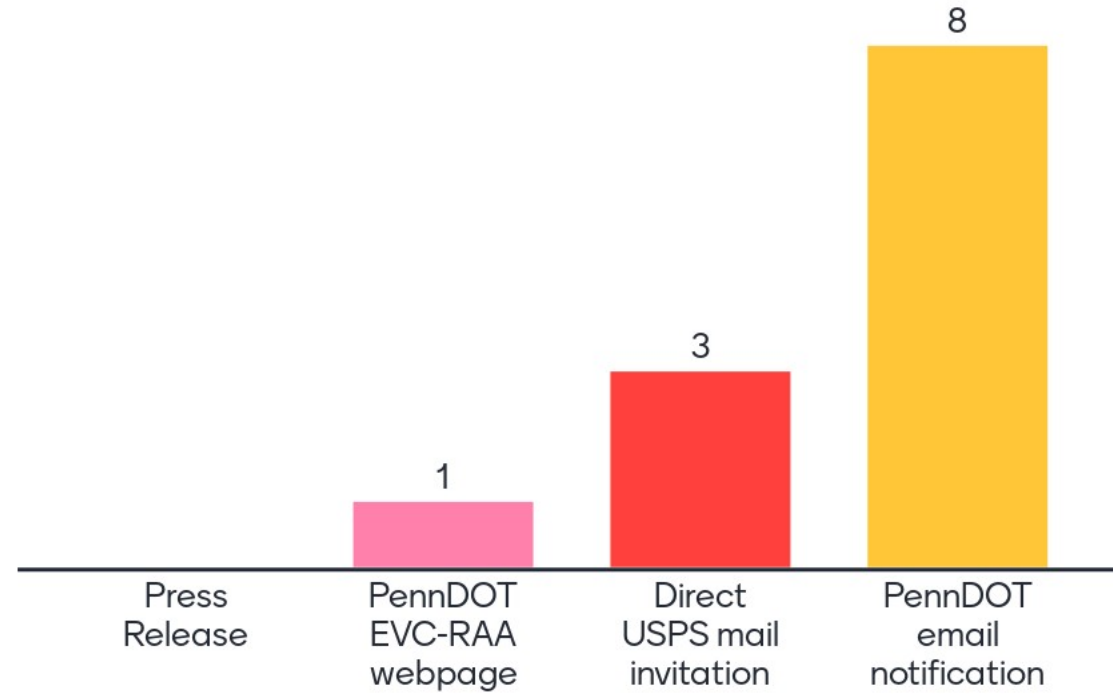
- EV Registrations Update
- Electric Vehicle Charging Reliability and Accessibility Accelerator (EVC-RAA) Program
  - Introduction
  - Program Details
- Open Questions and Answers



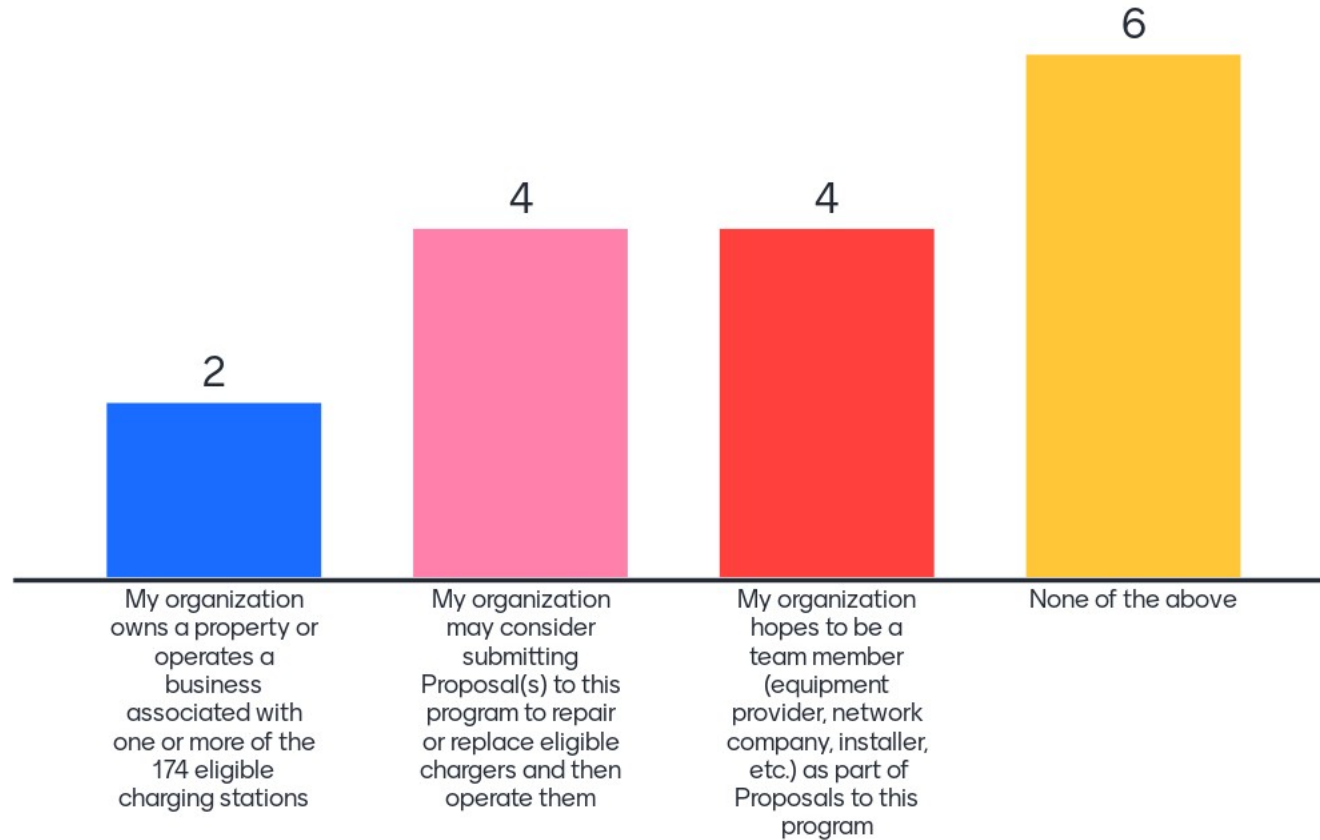
# Who do you represent?



# How did you find out about today's webinar?



# Check all of the following that apply



If you are one of the 174 eligible charging station locations, what town/city are you located in?

6 responses

west chester pa

philadelphia

oxford

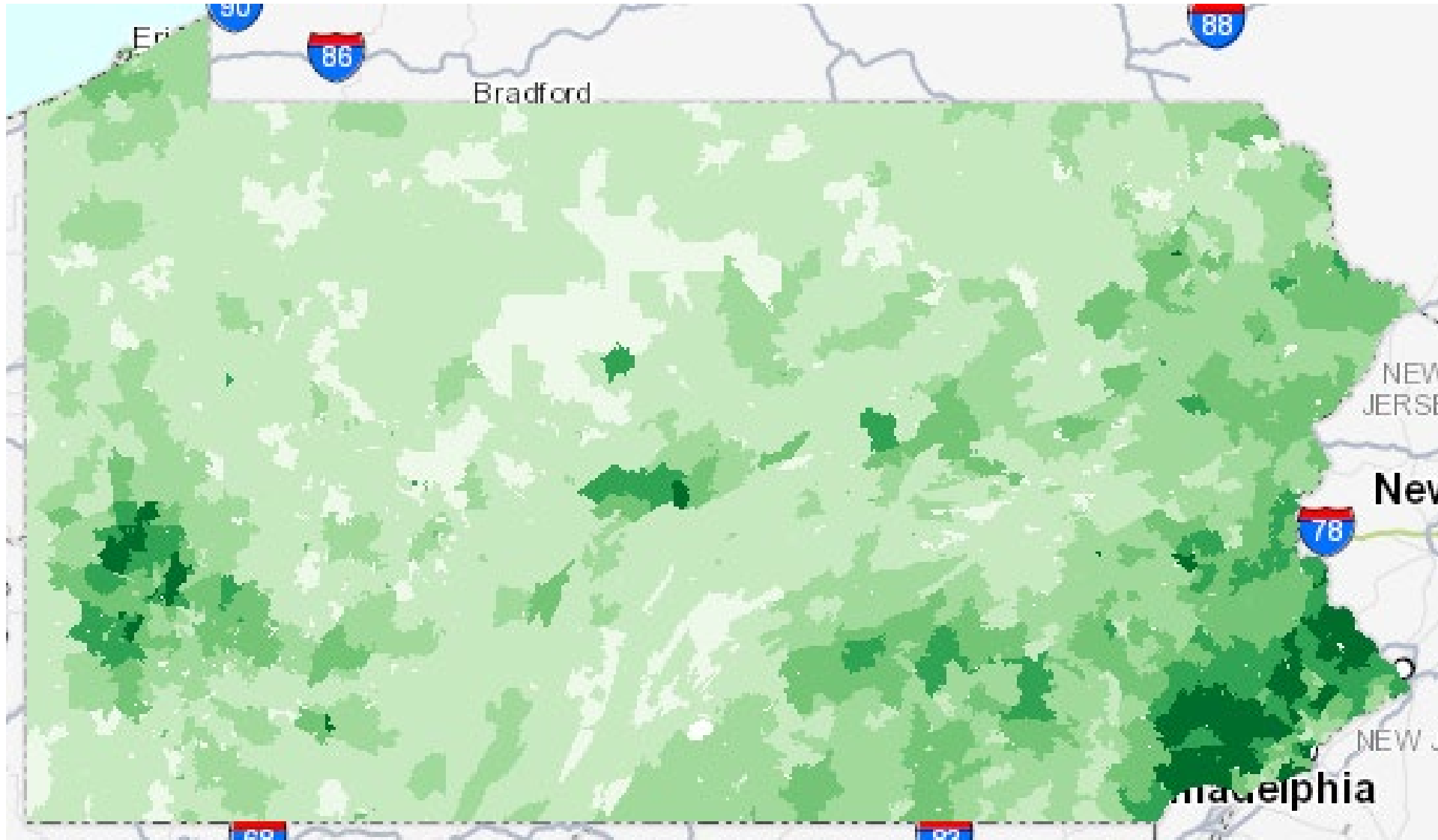
western pa

erie pa

# **PENNSYLVANIA EV REGISTRATION UPDATE**

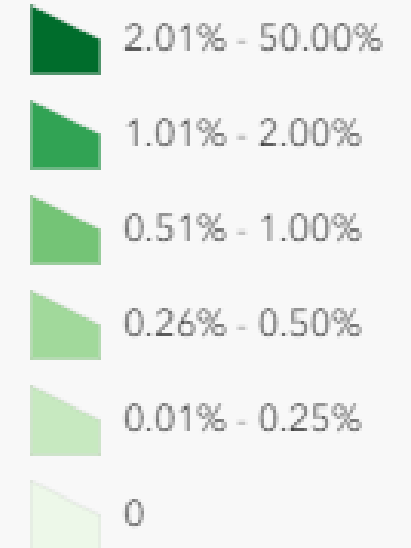


# EV REGISTRATIONS IN PA



## Registrations by ZIP Code

### Percent Electric Vehicles



[PennDOT EV Registrations Interactive Map](#)



# EV REGISTRATIONS IN PA

Fuel type	5/31/2024	Percent Increase since March 7, 2023
BEV	69,830	59.7%
PHEV	42,084	76.5%
HEV	296,667	33.8%
Fuel Cell	1	0.0%
Total	408,582	41.3%

Source: PennDOT registration database



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

# OVERVIEW OF PA'S EVC-RAA PROGRAM



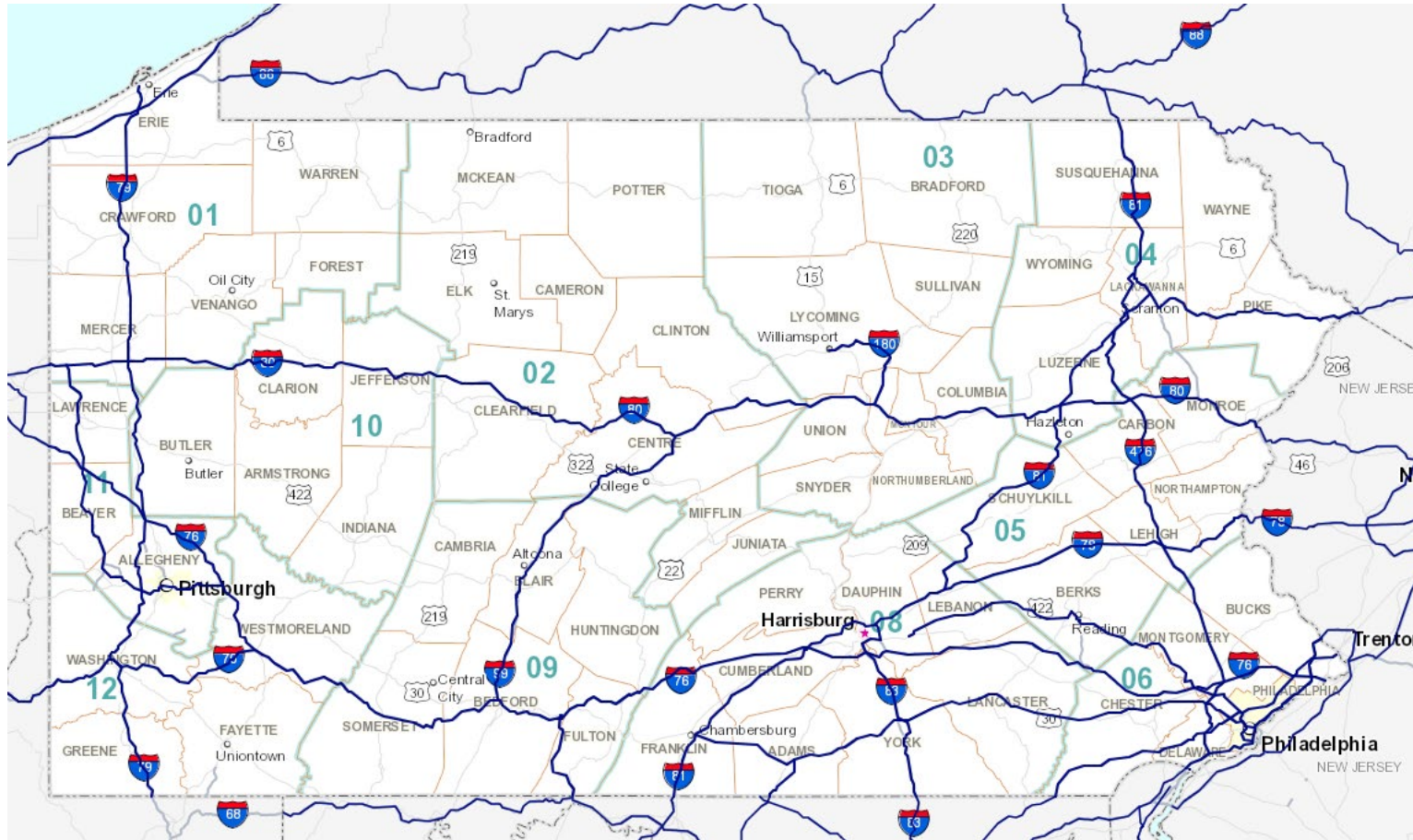
- PennDOT has \$5 million available for the repair and replacement of Broken or Non-operational chargers
  - A small portion of funds may be used for program administration
- Only the 174 charging stations on the final list provided by the Federal Highway Administration are eligible for funding
- One 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



# 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	May 23, 2024
EVC-RAA Webinar	June 11, 2024
Deadline to submit technical questions	June 24, 2024
eGrants system opens for online proposals	July 2, 2024
Updated Davis-Bacon Wage Act Determinations posted to PennDOT EVC-RAA website	August 5, 2024
Deadline to submit online proposals	August 14, 2024, at 5:00 PM EDT
PennDOT proposal review	August – September 2024
Conditional award notifications	October 2024
PennDOT NEPA process	October – November 2024
Agreement execution	December 2024 – January 2025



# PROPOSAL PROCESS

- Online submission process
  - Register in eGrants (see Section IV for instructions)
- One Proposal per Prospective Contractor
  - The Proposal should contain all “Projects” being proposed
- Most Proposal information is provided in the PennDOT EVC-RAA Proposal Excel File, found on the [EVC-RAA Webpage](#) or within eGrants
- Each Project is scored individually
  - A Prospective Contractor may receive conditional awards for a subset 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 and the PennDOT EVC-RAA Proposal Excel File



# 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 Funding Opportunity](#)



# FUNDING OPPORTUNITY RESOURCES

- The [EVC-RAA 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 Qualifications and Project Approach	15
2. Equity, Availability, and Reliability	25
3. Project Information	17
4. Site Readiness	23
5. Project Costs	20
6. Additional Information	0
Total	100



# EVC-RAA DETAILED RUBRIC

## 2. Equity, Availability, and Reliability [25pts]

ID	Element	Description	Score Breakdown	Max Points
2.1	Disadvantaged Community (DAC) Score	Score based only on the Project location	<p>0pts: Project not located within a disadvantaged census tract</p> <p>3-5pts: Based on number of disadvantaged criteria met (refer to <b>Appendix X – List of Eligible AFDC Station</b> )</p>	5
2.2	Charging Availability and Reliability	<ul style="list-style-type: none"><li>• Why was charger Broken or Non-Operational?</li><li>• Project scope and equipment</li><li>• Anticipated impact of Project on availability and reliability</li></ul>	<p>0pts: Poor information and/or limited information shown</p> <p>1-20pts: Based on quality of information provided and impact on EV charging availability and reliability</p>	20



# **PENNDOT EV RESOURCES**

# EVC-RAA RESOURCES

- [PennDOT EVC-RAA 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
- [PennDOT EVC-RAA Proposal Excel File](#)
  - Most Proposal information is provided in this Excel file and uploaded to eGrants
- [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?

# CONTACT INFORMATION

**PENNDOT EV TEAM CONTACT:  
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