

Level 2 Electric Vehicle Charging Infrastructure

**VOLKSWAGEN SETTLEMENT FUND
REBATE PROGRAM**

Kentucky Office of Energy Policy

April 24th, 2024



BEFORE WE BEGIN:

- This webinar is being recorded and will be posted on the Office of Energy Policy's VW page.
- All information discussed today will be included in the application materials.
- Please remain muted throughout the presentation and hold all questions until the end. We have allotted time for Q&A.

AGENDA

- Goal and Purpose of the Funding Program
- What are Level 2 Chargers?
- Application Timeline
- Eligible Applicants
- Cost Reimbursement
- Eligible and Ineligible Costs
- Electric Charging Equipment Requirements
- Project Site Requirements
- Host Obligations
- Required Documents
- Contact Information

GOAL AND PURPOSE OF THIS FUNDING

Funding for these projects was made available through the Volkswagen Environmental Mitigation Settlement to finance projects targeting the reduction of Nitrogen Oxide (NOx). The Kentucky General Assembly authorized the states \$3,056,700 settlement fund for the installation of Light Duty Zero Emission Vehicle (ZEV) Infrastructure Projects.

Total funding for the Level 2 Charging Infrastructure initiative will be \$765,000. The remainder of the funding will be utilized for DC Fast Charge Infrastructure.

These two initiatives aim to enhance accessibility to charging stations, benefiting both the Commonwealth and its citizens who would like to or have already decide to transition towards cleaner transportation options.

APPLICATION DEADLINE

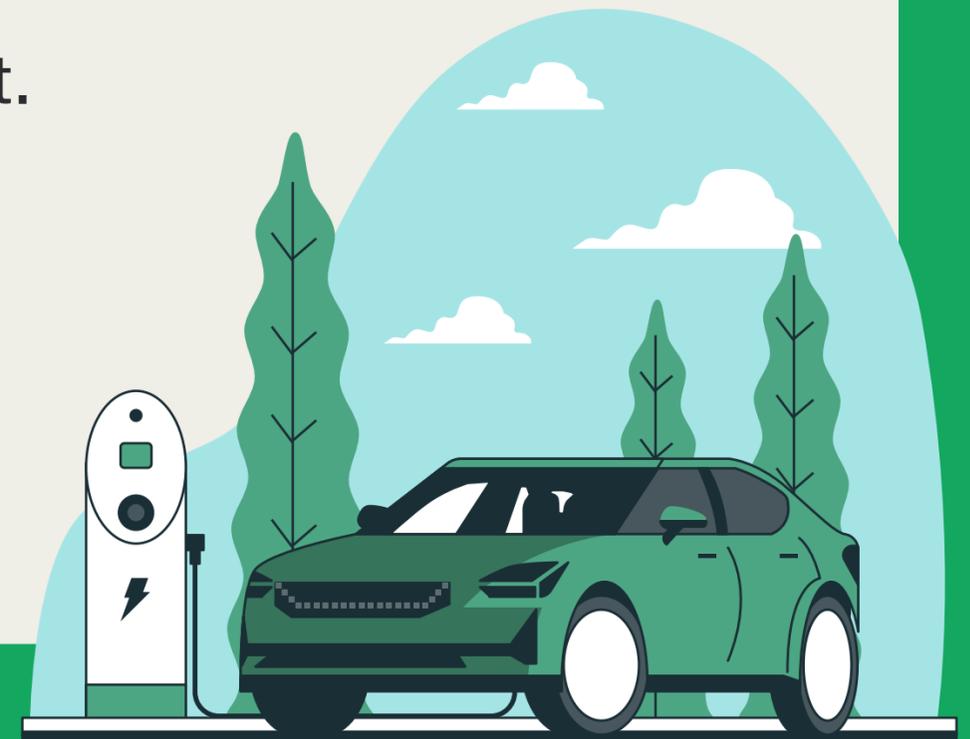
Applications will open up on May 1st and close May 31st at 4pm EST.

The application is a virtual form and will be uploaded to the Office of Energy Policy's VW Settlement page by May 1st.

<https://eec.ky.gov/Energy/Programs/Pages/Volkswagen-Settlement.aspx>

WHAT ARE LEVEL 2 CHARGERS?

- Level 2 EV charging equipment offers 208 to 240-volts alternating current (AC).
- Compared to Level 1 chargers, which use a standard 120-volt household outlet and charge at a rate of around 2-5 miles of range per hour, Level 2 chargers can add around 10-60 miles of range per hour, depending on the charger's power output and the vehicle's battery capacity.
- Level 2 chargers require a dedicated 240-volt electrical circuit.
- Installation may involve hiring a qualified electrician to ensure proper wiring and setup.



ELIGIBLE APPLICANTS



Eligible applicants for this program include state and local government agencies in Kentucky. This includes school districts, municipalities, cities, counties, special districts, transit districts, joint powers authorities, and port authorities.

COST REIMBURSEMENT



Costs to implement an approved project are reimbursable and at a 50% cost reimbursement of equipment and installation but shall not exceed \$25,000. Other costs such as design services and maintenance costs can be used as the 50% cost share.

- Reimbursement will not occur until the equipment is verified operational.
- Funds will be awarded on a first-come first-serve basis for approved projects.

ELIGIBLE COSTS

For purposes of this program, Eligible Costs are those directly incurred through the procurement and activation of charging stations, including:

- New* Level 2 charging station units and associated equipment.
- Conduit, signage at the site, bollards, cable/wiring and electrical service box disconnects.
- Paint striping and stenciling of the charging station parking spaces.
- Annual network fees for up to 3 years.



INELIGIBLE COSTS

Ineligible costs include costs that are not directly related to the project. In addition, the following costs, even if they are directly related to the project, are ineligible:

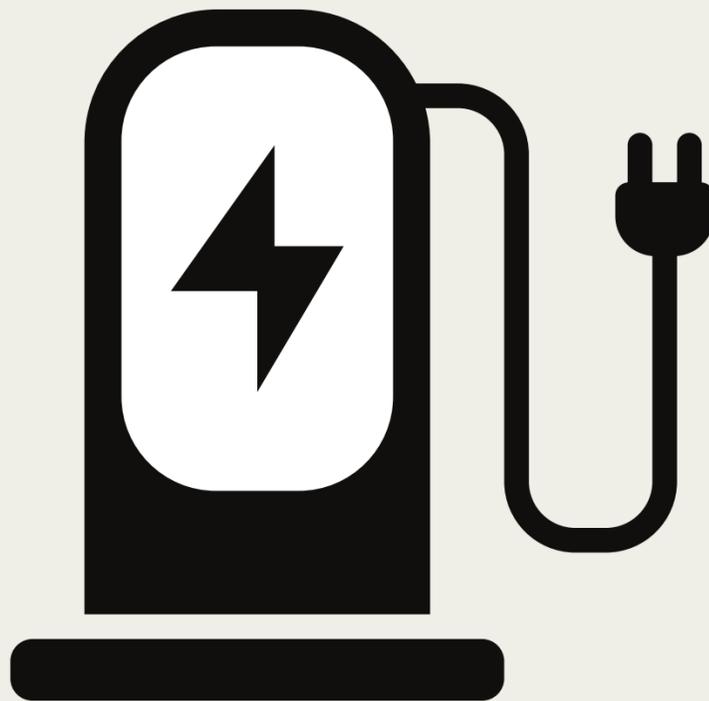
- Leased, used, refurbished, or remanufactured equipment.
- Charging station installation labor (can be used for cost share)
- Concrete/asphalt addition or replacement (can be used for cost share)



EQUIPMENT REQUIREMENTS

In order to be reimbursed under this program, Level 2 Vehicle Charging Equipment:

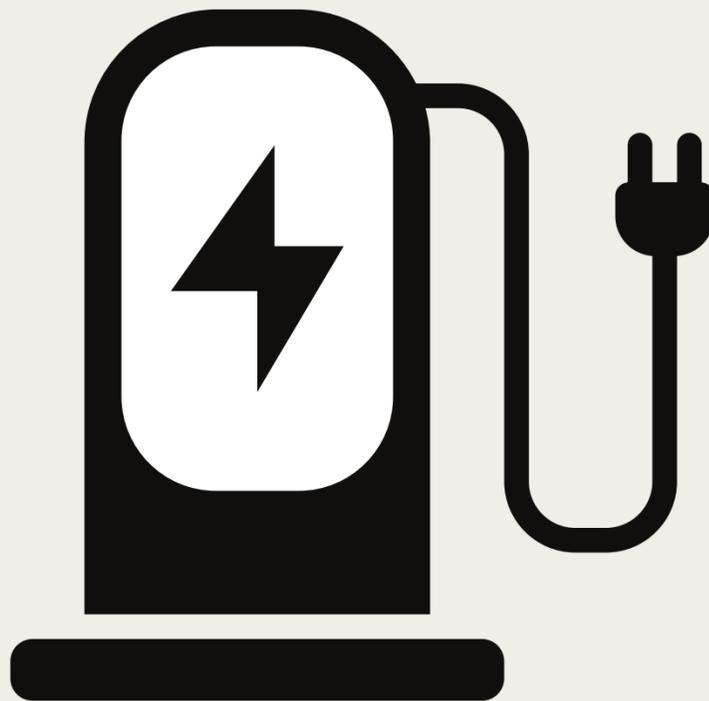
- Must utilize Society of Automotive Engineer (SAE) J-1772 standard connections.
 - Must be Energy Star certified.
 - Must be “open network compatible/network protocol capable.”
 - Must meet UL (Underwriters Laboratories) standards for EV charging equipment, which governs safety and performance requirements to protect users, vehicles, and property from potential hazards.
 - Must meet the minimum requirements for safety testing by a Nationally Recognized Testing Laboratory. An Underwriters Laboratories (UL) certification satisfies this requirement.



EQUIPMENT REQUIREMENTS

In order to be reimbursed under this program, Level 2 Vehicle Charging Equipment:

- Must be listed and labeled as National Electrical Code (NEC) section 625.5 and Federal Communication Commission (FCC) compliant.
 - Must be constructed for use outdoors in accordance with UL 50E Standard, Type 3R or equivalent.
 - Must incorporate a cord management system or method to eliminate potential for cable entanglement, user injury, or connector damage from lying on the ground.
 - Must be covered by a 3-year warranty.
 - Must be protected from vehicle collision (guard posts, wheel stops, curb protection, or wall-mounted barriers).



SITE REQUIREMENTS

In order to be reimbursed under this program, Level 2 Vehicle Charging Sites:

- Shall be compliant with the Americans with Disabilities Act (utilize U.S. Access Board Design Recommendations for Accessible Vehicle Charging Stations).
 - Shall not be located within the 100-year flood plain.
 - Shall comply with all applicable federal, state and local laws, ordinances, regulations, and standards, including local electrical and building codes.
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- Shall be available for public access twenty-four (24) hours per day and seven (7) days per week.
 - Shall be publicly visible, accessible, and expected to have high utilization.

SITE REQUIREMENTS

In order to be reimbursed under this program, Level 2 Vehicle Charging Sites:

- Shall be located in developed, public areas with facilities available nearby (e.g., shopping centers, fueling stations, restaurants, grocery stores, local attractions, local government building, etc.)
- Shall be in a safe, well-lit, convenient location that is safely distanced from traffic circulation and has adequate ingress/egress points.



- Shall have (or will have as part of this project) adequate electric capacity in place to serve the proposed EV Charging.
- Shall have signage that complies with all applicable local, state, and/or federal laws, ordinances, regulations, and standards.

SITE REQUIREMENTS

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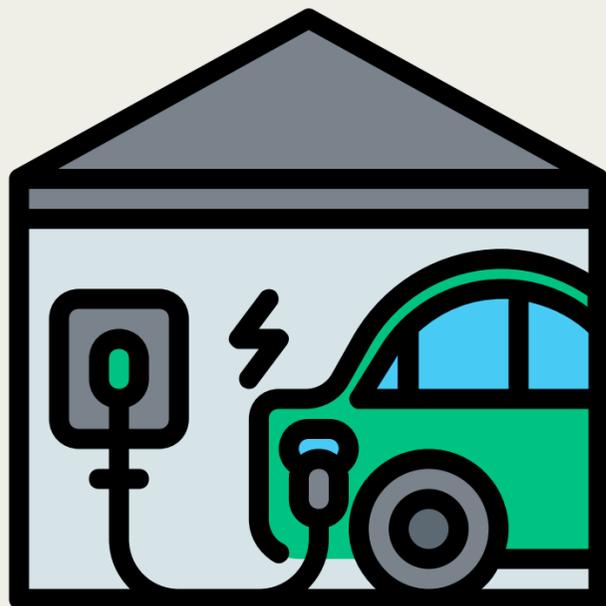
- Shall have “EV parking only” signs on each side of each charging station along with “EV parking only” stenciled graphics on each striped parking pad.
- Shall have appropriate signage for drivers to locate the charging station from the site entrance.



- Shall provide for secure payment methods, accessible to persons with disabilities, unless charging is provided free of charge, which at a minimum shall include a contactless payment method that accepts major debit and credit cards, and either an automated toll-free phone number or a short message/messaging system (SMSW).
- Shall not require a membership for use.

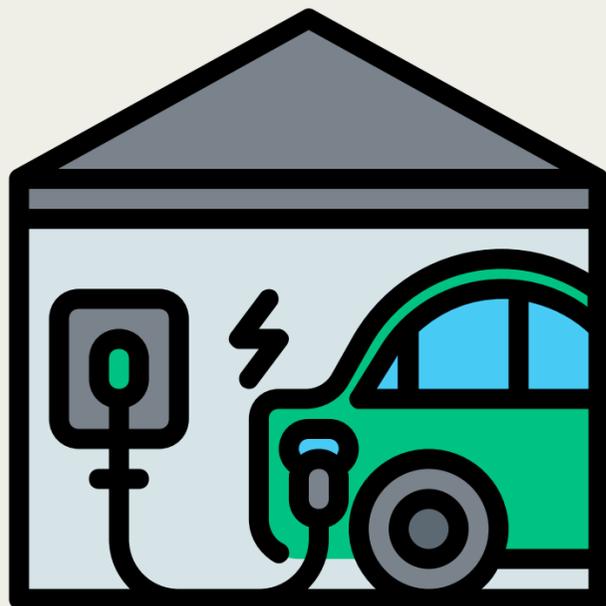
SITE HOST OBLIGATIONS

- Demonstrate ability to maintain equipment and customer service of patrons for a period of no less than three (3) years.
- Ensure Charging Equipment is available for charging an average of at least 95% up time. Inability to fulfil this requirement may result in the government entity reimbursing the cabinet/fund an amount equal to the reimbursement provided under this program.
- Ensure that charging data is made available to the EEC on a semi-annual basis for three years following installation.
- Facilitate a 3-year Site Host Agreement that delineates responsible parties for hosting, operating and maintaining the equipment and creates a disposition plan in case the agreement is terminated.



SITE HOST OBLIGATIONS

- Provide patrons with clear instructions and customer support contact information. Customer service support must at least be available by telephone from 6am to 6pm, Monday through Saturday to assist customers with difficulties accessing or operating the equipment.
- Provide effective communication to EV drivers when a station is not working. This may depend on the system you employ, or the company you work with to install and/or operate the chargers.



- Ensure work begins following notification by the EEC that project application has been approved and that the equipment is operational within twelve (12) months following approval.

APPLICATION DOCUMENTS

- A blank budget justification form will be available on the VW webpage
- An estimated project schedule or timeline
- Associated contracts or operating agreements
- A map depicting the proposed charger location with all major roadways included and proposed ADA compliant parking options.
- A document from your local utility including a description of the existing electrical service to the site, what upgrades are needed, and preliminary cost estimates for those upgrades.



Thank you!

KY.VWSettlement@ky.gov

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