

National Electric Vehicle Infrastructure (NEVI) Formula Program



APPLICATION WORKSHOP

October 24, 2023

*We will begin at 9:05 a.m. to allow
virtual attendees time to join.*

Introductions

- Welcome – **ADECA Director Kenneth W. Boswell**
- Introduction of NEVI Program Staff – Jennifer Lee, ADECA Energy Division Chief

Workshop Agenda

- National Electric Vehicle Infrastructure (NEVI) Program Overview – Cleandra Jones
- Charging Station Requirements and Application Process – Shonda Gray
- Conclusion – Questions and Answers

Please note: Submit any project-specific questions to ev@adeca.alabama.gov.



NEVI Program Staff

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NEVI Formula Program Overview



- The purpose of the NEVI Formula Program is to “provide funding to States to strategically deploy electric vehicle charging infrastructure and to establish an interconnected network to facilitate data collection, access, and reliability.”
- Initially, funding under this program is directed to designated Alternative Fuel Corridors (AFCs) for electric vehicles to build out this national network, particularly along the Interstate Highway System.

Program Information



Amount of funding available for Round 1: \$11,738,801.



This is a reimbursement grant program.



NEVI Program funds may be used by successful Applicants only for reimbursement of Eligible Costs.



Project should have an estimated completion date of 12-18 months.



Program Eligibility

- The NEVI Formula Program funds can be utilized to install new chargers, to upgrade existing chargers, or to add additional charging infrastructure along designated AFCs.
- NEVI Program funds shall be used for Projects directly related to the charging of a vehicle and only to support EV charging infrastructure that is open to the general public or to authorized commercial motor vehicle operators from more than one company.
- Applications to upgrade existing direct current fast charging (DCFC) sites located along Alternative Fuel Corridors- Pending in Alabama to meet the NEVI Program requirements may be submitted and will be considered.

Applicant Eligibility

Eligible Applicants for this round of funding are government and non-government entities.

Joint Project partners are permitted. However, the Application should be submitted by the primary partner who will be responsible to ADECA for full performance of the Grant Agreement.



Eligibility

- ADECA may reject an Application for any one or more of the following reasons:
 - the Application is incomplete, not prepared as required or contains additional terms, conditions, or exceptions;
 - any Application or Project deliverable is not provided or completed as and when required;
 - the Applicant submits more than one Application for the same physical site or address;



Eligibility

- ADECA may reject an Application for any one or more of the following reasons:
 - the Applicant is debarred or suspended from submitting bids or appears on the Federal List of Excluded Parties Listing System;
 - the Applicant has breached, defaulted, or otherwise not performed on another grant or similar agreement or has had a grant or similar agreement terminated for cause by ADECA, has agreed not to bid, or has had suspension or debarment proceedings initiated against it; or
 - any other action or omission, error, or act that, in the judgment of ADECA, renders the Application nonresponsive, ineligible, or not viable.

Selection Process

Applications will be compared to each other using the criteria established in the Scoring Guide.

Points will be assigned based on how well an Application addresses each scoring criterion.

ADECA will review and rank each submitted Application with respect to each scoring criteria in the Scoring Guide.

Specific Funding Requirements

- EV charging infrastructure acquired or installed with NEVI Formula Program funds shall be located along a designated Alternative Fuel Corridor.
- The use of NEVI Formula Program funding for EV charging infrastructure will be prioritized along the Interstate Highway System.



Specific Funding Requirements

- NEVI Formula Program funding shall only be used along designated corridors to construct new EV charging infrastructure and upgrade existing EV charging infrastructure.
- All funding distributed under the NEVI Formula Program shall be used for projects directly related to the charging of a vehicle and only to support EV charging infrastructure that is open to the general public or to authorized commercial motor vehicle operators from more than one company.



Specific Funding Requirements

- **The purchase of EVs is not covered by this funding.**
- Funds may not be spent on other projects or sites until all alternative fuel corridors are fully built-out as per federal guidelines.
- Successful Applicants will be required to sign a reimbursement grant agreement and must comply with the terms and conditions of the Application Guide and applicable federal and state laws and regulations.
- Applicants must also follow all FHWA NEVI Program requirements.

Workforce Development Projects

1. Cover registration expenses associated with electrical workers who complete a 20-hour online Electric Vehicle Infrastructure Training Program training course;
2. Install EV charging infrastructure for training purposes at state-based learning facilities where the charging infrastructure will be a critical component of electrical worker upskilling that is directly related to the proper installation, operation, and maintenance of electric vehicle charging infrastructure;
3. Develop capacity at a state college level to deliver localized and in-person electrical worker upskilling directly related to the proper installation, testing, certification, operation and maintenance of electric vehicle charging infrastructure across the state; and
4. Pay direct expenses to cover costs associated with electrical workers taking the in-person training contemplated in #3 above.



Specific Funding Requirements

- Each NEVI-funded DC fast charging station will have a minimum of four 150 kW Combined Charging System (CCS) connectors and four network-connected North American Charging Standard (NACS) connectors and total station power of 600 kW.
- Applications for Projects within NEVI Priority Areas will receive additional points.
- Applications for Projects outside the NEVI Priority Areas will also receive strong consideration.
- States are required to emphasize equity, with at least 40 percent of NEVI benefits going to disadvantaged, low income, rural and Tribal communities.



revised information

Project Eligibility

NEVI Formula Program funds are restricted to projects that are directly related to EV charging infrastructure that is open to the public 24/7 or to authorized commercial motor vehicle operators from more than one company.

Publicly accessible means the equipment is available to the public without restriction. A station that is not maintained or restricts access only to customers, tenants, employees, or other consumers is not publicly accessible.

Match Requirements

- **Federal Share and State/Local Match Requirements**
 - The federal cost-share for a NEVI Formula Program project is 80%.
 - 20% match is required.
 - **What is match?**
 - Funds or resources contributed to the project outside of federal funds.
- Acceptable match sources:**
- State Funds
 - Private Sector
- Types of match:**
- Cash
 - Loans
 - Non-federal Grants
 - In-Kind
 - Utility Incentives for charging infrastructure or capital assets dedicated to the Project

Anything over 20% Matching Funds may result in additional scoring points.

Match Commitment Letters

- All Eligible Funds claimed as match for a Project must be supported with documentation that demonstrates the Eligible Funds are available.
- Must be on letterhead or by copy of official document.
- Must include:
 - Dollar amount (or value of in-kind-donation) committed to the project;
 - Signature of authorized individual; and
 - Description of in-kind donation and how value was determined.

Project Costs

- Applicants may apply for a reimbursement grant of up to 80% of the Project Eligible Costs.
- Projects funded under the Program must meet the requirements of the NEVI Program and be consistent with the goals of the Alabama Electric Vehicle Infrastructure Plan.
- Costs incurred prior to execution of a Grant Agreement are made at the Applicant's risk, and no funding will occur prior to full and final execution and delivery of the Grant Agreement.



Acquisition and Installation

- Eligible acquisition and installation costs include costs directly related to light-duty, medium-duty, and heavy-duty EV charging infrastructure such as:
 - New charging stations;
 - Upgrades to existing charging stations;
 - On-site distributed energy resources;



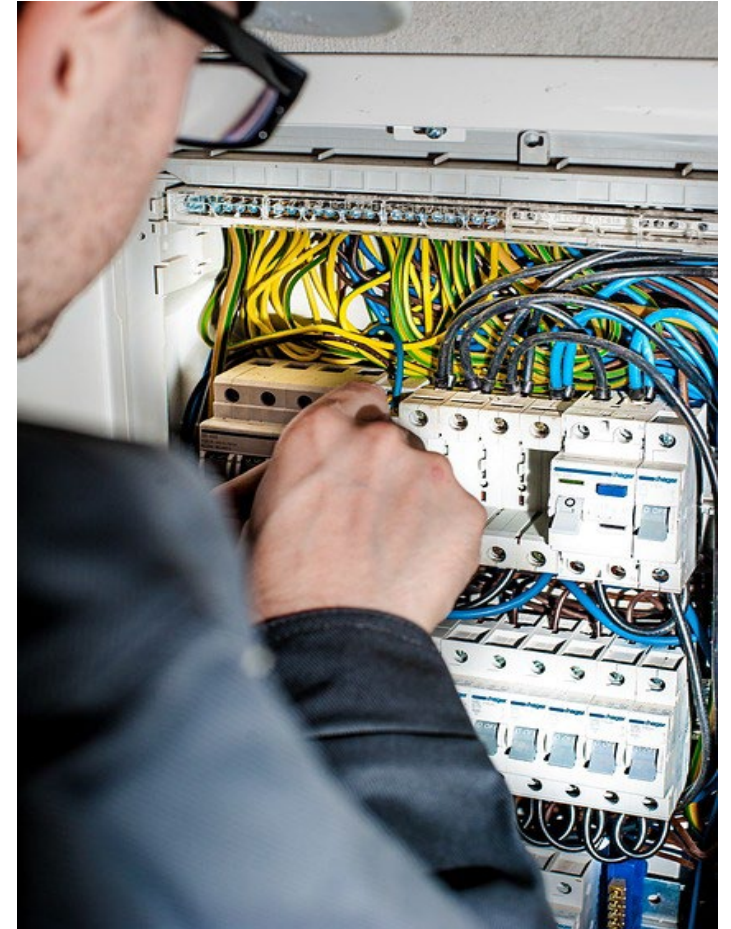
Acquisition and Installation

- Eligible acquisition and installation costs include costs directly related to light-duty, medium-duty, and heavy-duty EV charging infrastructure such as:
 - Renewable energy generation;
 - On-site electric service equipment;
 - Permanently attached connectors and/or connector adapters; and
 - Traffic control devices and signage.



Operating Assistance

- Operating assistance for costs allocable to operating and maintaining EV charging infrastructure acquired or installed under this program, for a period not to exceed five years:
 - Operating assistance under the NEVI Formula Program is available only for those charging stations for which NEVI Formula Program funds have first been used for acquisition or installation, including upgrades.
 - Where NEVI Formula Program funds are used for operating assistance, this operating assistance shall not exceed five years.



Charging Station Requirements

- EV charging infrastructure should be located no greater than 1 mile from Interstate exits along designated Alternative Fuel Corridors-Pending in Alabama.
- Charging stations on public lands in close proximity to the corridor (including federal lands) will be considered.
- Applicants may request an exception to the 1-mile rule.
- New EV charging infrastructure locations should be spaced a maximum distance of 50 miles apart.
- Charging stations must be available for use and sited at locations physically accessible to the public 24 hours per day, 7 days a week, year-round.

Charging Station Requirements

- Chargers must be designed to securely switch charging network providers without any changes to hardware.
- By February 28, 2024, charging networks must be capable of communicating with other charging networks in accordance with Open Charge Point Interface (OCPI) 2.2.1.
- A charging network must be capable of communicating with other charging networks.
- Chargers must remain functional if communication with the charging network is temporarily disrupted.

Charging Station Requirements

- Charging networks must be capable of secure communication with electric utilities, other energy providers or local energy management systems.
- Charging Stations shall be connected to a network by Wi-Fi, hardwired connection, or cellular connection.
- Charging stations must support continuous operations, even when network connectivity is not available or consumer cell phone service is not available.



Charging Station Requirements

- Unless charging is permanently provided free of charge to customers, charging stations must:
 - provide for secure payment methods, be accessible to persons with disabilities;
 - not require a membership for use;
 - not delay, limit, or curtail power flow to vehicles based on payment method or membership; and
 - provide access for users with limited English proficiency and provide accessibility for people with disabilities.



Charging Station Requirements

- Chargers and charging networks should be compliant with appropriate Payment Card Industry Data Security Standard for the processing, transmission, and storage of cardholder data.
- The price for charging must be displayed prior to initiating a charging transaction and be based on the price for electricity to charge in \$/kWh.
- Each charging site must have at least four network-connected Society of Automotive Engineers Combined Charging System (CCS) connectors and 4 network-connected North American Charging Standard (NACS) connectors and be capable of simultaneously charging at least 4 EVs.
- Each DCFC port must be capable of charging CCS-compliant and NACS-compliant vehicles (but not simultaneously), and each DCFC port must have at least one permanently attached CCS Type 1 and one NACS connector.
- In addition, not more than one permanently attached CHAdeMO connector can be provided using only FY2022 NEVI Program funds.

Charging Station Requirements

- DCFC ports must support output voltages between 250 volts DC and 920 volts DC.
- DCFC charging stations may conduct power sharing so long as each charging port continues to meet an EV's request for power up to 150 kW.
- Conduit and an electrical service box of adequate size and disconnect capacity that will allow additional electrical cable to be run to the site for future expansion to allow for at least 2 additional (6 total) charging stations and to upgrade at least one charger to 350 kW must be included in the installation.
- Charging equipment shall be capable of operating without any decrease in performance over an ambient temperature range of minus 22 to 122 degrees Fahrenheit with a relative humidity of up to 95%.



Charging Station Requirements

Each charging port and related connectors must have:

- An average annual uptime of greater than 97%.
- The Electric Vehicle Supply Equipment must have a minimum manufacturer's hardware warranty of 5 years and continually be in full working order to the extent possible.



Charging Station Requirements

- Applicant must ensure that EV charging customers have clearly posted mechanisms to report outages, malfunctions, and other issues with charging infrastructure.
- Sites shall include paved parking spaces.
- “Electric vehicle charging only” signs are required on each side of each charging station along with “electric vehicle charging only” stenciled graphics on each striped parking stall.



Application Process

- **Section A: Grant Applicant Information**
 - Grant Applicant’s Legal Name
 - Physical address of the project
 - Organization type
 - Project partners
 - Requested award amount (Use only whole numbers.)
 - Amount of matching funds (Use only whole numbers.)

Addendum A

REIMBURSEMENT GRANT APPLICATION

SECTION A OF APPLICATION: GRANT APPLICANT INFORMATION

Program Name	<i>National Electric Vehicle Infrastructure Formula Program</i>		
Grant Applicant’s Legal Name			
Grant Applicant’s State of Organization			
Type of Project	Charging Infrastructure <input type="checkbox"/>	Workforce Development <input type="checkbox"/>	
EV Infrastructure Location Name			
EV Infrastructure Physical Address			
City/Municipality	State:	Zip Code:	
County			
Charger Coordinates	Latitude:	Longitude:	
Federal Employer Identification No.			
Organization Type	Government <input type="checkbox"/>	Non-Government <input type="checkbox"/> Type:	
Project Partners (if any):			
Requested Award Amount		Project Duration	
Matching Funds Amount		Matching Funds Percentage of Total Project Eligible	
Total Project Eligible Costs		Charger kW	
Total Project Eligible Costs and Ineligible Costs			
FHWA-designated EV Charging Corridor Served		Closest Exit/Mile Marker	
Distance from Interstate (miles)			
Number of DCFC, Ports and Connectors			
Existing DCFC needing upgrades and/or additional power/ports?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
	Please Describe:		
Are you requesting an exception for this Project (e.g., more than one mile off interstate)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
	Explain:		
Total Number of Applications Applicant is submitting			
APPLICANT CONTACT			
Salutation	First Name	M.I.	Last Name
Position/Title	Phone	Email Address	
Mailing Address	City	State	Zip Code

Application Process

- **Section A continued:**
 - Applicant contact information – Primary applicant's information should be listed here.
 - Project Director – List the primary contact for the Application.
 - Signatory Official – This must be someone authorized to sign legal instruments associated with the grant project.

Application Process

- **Section B: Project Budget**

- Equipment – Description and costs broken down by Eligible Costs and Ineligible Costs.
- Must attach a minimum of 2 quotes from distinct providers/vendors.
- Supplies and Materials – List the estimated cost of supplies and materials broken down by Eligible Costs and Ineligible Costs.
- Contractual – List categories of services to be contracted with outside agencies or for professional services with the costs broken down by Eligible Costs and Ineligible Costs.

Application Process

- **Section B continued:**

- Requested Project Award Amount – List the total grant amount requested for each corresponding budget category.
- Eligible Matching Funds Contribution – List the total match amount committed for each corresponding budget category.
- Requested Project Award Amount + Eligible Matching Funds Contribution = Total Project Eligible Cost Amount.
- Total Project Eligible Cost Amount + Ineligible Costs = Total Project Cost Amount.

Eligible Cost Categories	Requested Project Award Amount	Eligible Matching Funds Contribution	Total Project Eligible Cost Amount	Ineligible Costs	Total Project Cost Amount
Equipment	\$	\$	\$	\$	\$
Maintenance Agreement	\$	\$	\$	\$	\$
Supplies & Materials	\$	\$	\$	\$	\$
Contractual	\$	\$	\$	\$	\$
TOTAL	\$	\$	\$	\$	\$

Application Process

- **Section C: Risk Assessment**

- Applicant must answer questions based on its operations and audit history.

<u>Risk Classification</u>	<u>Point Range</u>
Excellent	0 Points - 5 Points
Good Standing	6 Points - 10 Points
Average Risk	11 Points - 15 Points
Moderate Risk	16 Points - 20 Points
High Risk	≥ 21 Points

Application Process

- **Section D: Project Detail**
 - Provide a brief description of the Project.
 - Project approach – Describe approach to planning, design, permitting, site preparation and construction.
 - Project Location – Is the Project location within 1-mile off the interstate?

Application Process

- **Section D continued:**
 - Operations and Maintenance – Provide information on the historical and proposed operations and maintenance of the EV charging equipment.
 - Qualifications and Experience of Applicant – Provide a description of the applicant's qualifications and experience.
 - Financial Structure – Who will assume ownership of the Project, receive any financial benefits, and pay for operations, maintenance, and repair?

Application Process

- **Section D continued:**
 - Project Plan – Project deliverables
 - Detailed description of the project tasks
 - Estimate of the project timeline
 - Procurement
 - Construction
 - Property Management

Application Submission

- All Applications must be complete. However, ADECA reserves the right to contact Applicants for additional information an/or clarifications.
- Deadline for submitting applications is **11:59 PM CST on January 24, 2024.** *Late applications will not be accepted.*
- Email Applications to: ev@adeca.alabama.gov.
- When submitting applications, use this as the subject of the email:
NEVI Program Application



Application Submission

- Applicants may only submit one Application per site and only one application per email.
- Any questions about the application should be submitted separately from the application.
- Email questions to: ev@adeca.alabama.gov.
- If submitting questions about the application, use this as the subject of the email:

NEVI Application Question



CONCLUSION

QUESTIONS AND ANSWERS

****Please submit any questions that are not answered today to ev@adeca.alabama.gov****