

**STATE-FUNDED
ELECTRIC VEHICLE
CHARGING
INFRASTRUCTURE
GRANT PROGRAM**



**APPLICATION WORKSHOP
AUGUST 13, 2024**

EV CHARGING INFRASTRUCTURE PROGRAM STAFF

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Program Purpose

- To fund projects to support the EV infrastructure needs of citizens, visitors, and the automobile manufacturing sector of the State of Alabama by installing *EV Direct Current Fast Charging (DCFC) and Alternating Current AC Level 2 Charging infrastructure*.
- to create a convenient, affordable, reliable, and equitable network of chargers in Alabama.

Plan Ahead by Reading the Plan

- The Alabama Electric Vehicle Infrastructure Plan is an important tool for submitting a successful application.
- The Plan includes key background information on the state's goals and strategies for deployment of electric vehicle supply equipment.
- Program goals include:
 - Increased EV Adoption
 - Economic Development
 - Fuel Security and Energy Assurance

To review the current Plan, visit ADECA's State EV Infrastructure Program webpage and click on the banner as shown below:



Program Information



Amount available for funding: \$2,268,000.



All project costs must be necessary for and directly connected to the acquisition and installation of EV charging infrastructure.



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



**This is a reimbursement grant program.
*Payment is made after the work has been completed.**

Program Information (cont.)

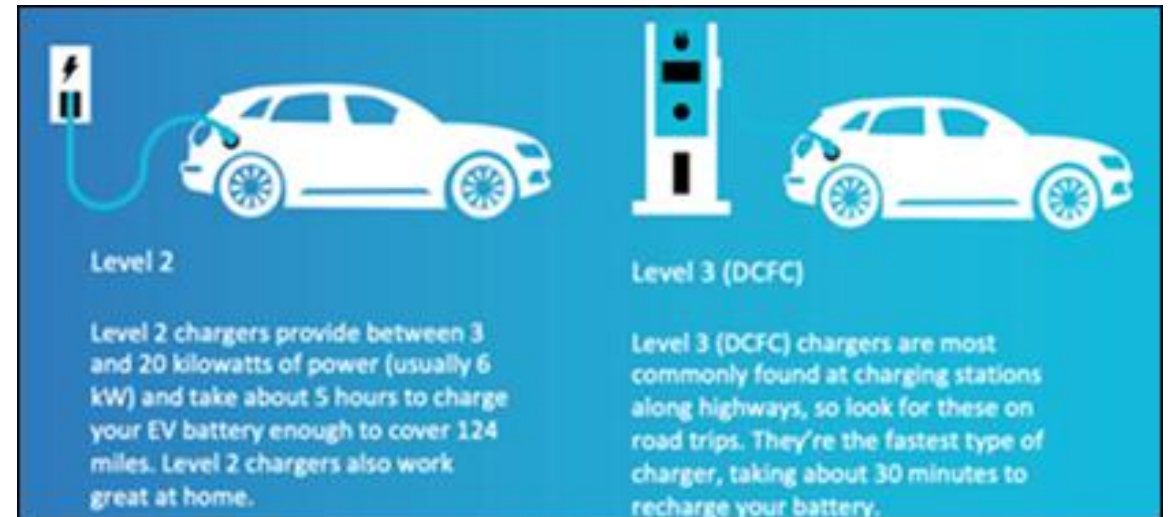
- Successful Applicants will be required to provide a minimum 20% match of project costs.
- Match exceeding 20% of project costs may result in additional scoring points.
- Eligible sources of match include cash, loans, other grants, or capital assets dedicated to the project (in-kind is not an eligible source of the match amount).
- All matching funds claimed in a project proposal must be supported with documentation that demonstrates the funds are available.

Funding Priorities

- Funding will be reserved for projects that fill critical charging infrastructure gaps and that are expected to better catalyze further EV adoption.
- Priority will be given *for fast-charging projects that are not eligible under the National Electric Vehicle Infrastructure (NEVI) program.*
 - Applicants proposing Level 3 Direct Current Fast Chargers (DCFC) at sites located one mile or less driving distance from an FHWA-approved EV Charging Corridor are encouraged to apply for ADECA's NEVI program.
 - Approved EV Charging Corridors in Alabama include all Interstates plus segments of US43, 80, 231, 280, 331, and 431 that are part of the National Highway System.
 - A map of the corridors can be found on ADECA's NEVI webpage.

Funding Priorities

- Projects for AC Level 2 chargers may be submitted for any location where *large groups of people frequently gather and spend longer periods of time* (hospitals, schools, shopping centers, outdoor recreation, entertainment, and sporting venues, etc.).



Please Note:

- Applications must be submitted by email to ev@adeca.alabama.gov.
- If submitting applications for more than one project, submit each application in a separate email.
- Submit completed application as a **single pdf document**.
- If partnering with another organization, only the primary partner should submit.
- Government entities can submit up to two applications.
- Non-government entities can submit up to five applications.
- Due to relevant requirements and a limitation on the amount of funds available, submission of an Application **does not** guarantee funding.

Charging Site Requirements

- Pages 5-10 of the application list requirements for charging sites.
 - Some apply only to AC Level 2, some only to DCFC, and some to both.
 - Please carefully check these requirements before submitting an application.
- Both types of chargers must be capable of utilizing Open Charge Point Protocol (OCPP).



Differences Between L2 and L3 Requirements

Level 2

- Preferred to be physically accessible 24 hours a day, 7 days a week
- Must be capable of charging at least 4 EVs simultaneously with provisions for future expansion to charge 8 EVs
- Must be capable of supplying a minimum of 6.6 kW to any EV connected

Level 3

- Required to be physically accessible 24 hours a day, 7 days a week
- Must be capable of charging at least 2 EVs simultaneously with provisions for future expansion to charge 4 EVs
- Must be equipped with Society of Automotive Engineers Combined Charging System (SAE CCS) on each port with at least one available NACS and CCS connector

Similarities Between L2 and L3 Requirements

Equipment must have a minimum 5-year manufacturer's hardware warranty



Equipment must have a minimum of five (5) years software network and scheduled maintenance agreements



Must support continuous operations even when network connectivity is not available, or cell phone service is lost




Must allow use of credit, debit, or network card payments unless charging is free

More Similarities Between L2 and L3 Requirements

Must be Nationally Recognized Testing Laboratory (NRTL) certified to demonstrate compliance with appropriate product safety standards



Must include customer service support telephone number available 24 hours per day, 7 days a week



Must be connected to a network by Wi-Fi, hardwired connection, or cellular connection



Must be compliant with the Americans with Disabilities Act and other applicable laws, ordinances regulations, and standards with regard to site design, development, installation, and maintenance

All Installing Electricians Must Meet One of the Following Requirements:

- Certification from the Electric Vehicle Infrastructure Training Program (EVITP)
- Graduation or a continuing education certificate from a registered apprenticeship program for electricians that includes charger-specific training



Additional Requirements

- Include a detailed plan and scaled drawing to show site's exact charging and parking locations. Show signage, lighting, etc.
- Include a map of local area showing accessibility to area amenities.
- Include daytime and nighttime photos of proposed site where charging stations will be installed.



Project Budget

- Eligible cost categories include:
 - Equipment
 - Supplies and Materials
 - Contractual
- Equipment – include at least 2 quotes from equipment/installation providers
- Supplies and Materials – provide an itemized list of supplies and materials
- Contractual – written subcontracts must be obtained for work to be performed by any outside agencies



Project Budget (cont.)

- Match contribution (minimum of 20% of total project costs)
- Eligible sources of match include cash, loans, other grants or capital assets
- **In-kind goods or services are not eligible as match**
- Submit documentation that match is available, include the source of the match





Project Plan

- Include estimated costs and timeline for project tasks such as:
 - Procurement
 - Construction/Site preparation
 - Installation
 - Activation

Engineering and Construction Site Assessment

- Name of utility serving electricity to site
- Location's proximity to a power source
- What construction will be required to provide electricity to site?
- Will chargers have separate metering?
- Summary of Host-Operator Agreement



Once the Chargers Are Installed:



Applicant will maintain the property and charging equipment in accordance with ADECA VW/EV [Property Management Manual](#).



Information on chargers shall be added to the Alternative Fuels Data Center (AFDC) database when chargers are operational.



Applicant shall satisfy all other data and access requirements described in the Application and Guide.



Submit a photo of the completed project.

Questions

Deadline to submit questions is
September 3, 2024.

Use “State-funded EV Application Question” as the
subject line.



ADECA will post the Q&As on the
State-funded EV webpage no later than:
September 17, 2024.



Application Submission

- Completed applications must be submitted by **11:59 PM CST on September 24, 2024.** Late applications will not be accepted.
- When submitting applications, use this as the subject of the email: **State-funded EV Application**



Important Dates

| | |
|---------------------------------------|------------------------------|
| Application Posted | August 13, 2024 |
| Deadline to submit questions to ADECA | September 3, 2024 |
| Q&A's posted on ADECA's EV website | September 17, 2024 |
| Application Deadline | September 24, 2024 |
| Application Review | September 25 – December 2024 |

Contact Us

ev@adeca.alabama.gov