Scoring Guide for State-Funding EV Application

Project Component	Possible Points Allowed	Score	NOTES
Section A of Application			
Grant Applicant Information Completed	Required		
Section A Signed and Dated	Required		
Section B of Application - Project Budget Completed	Required		
Cost Share - 20% = Required 21%-25% = 2 points 26%-30%= 5 points 31%-35%= 8 points 36%-40% = 11 points 41%-45% = 14 points 46%-50% = 17 points 51% and above = 20 points	20		
Documentation clearly demonstrates funds are available for Match Contribution	Required		
2 Quotes attached for equipment acquisition, installation services, and maintenance agreements include specific equipment specifications detailing the proposed number of ports and charging connectors.	Required		
Itemized list and the estimated cost of supplies and materials to be used for the Project attached, including a narrative describing how the supplies and materials directly relate to the proposed Project. This should be provided for all budget categories.	Required		
Section C of Application - Risk Assessment Score			
Excellent (0-5 points) = 5 points Good Standing (6-10 points) = 4 points Average Risk (11-15 points) = 3 points Moderate Risk (16-20 points) = 2 points High Risk (> 21 Points) = 1 point	5		
Section C Signed and Dated	Required		
Section D of Application - Project Detail			
Description of Project	5		
Number of network-connected Connectors meets DCFC (2 CCS & 2 NACS)/AC Level 2 (4 J1772) requirements	Required		
Number of network-connected Connectors exceeds requirements	1		
DCFC Station has one CHAdeMO connector (optional)	1		
Power levels and charging speeds meet requirements	Required		
Power levels and charging speeds exceed requirements	1		
Chargers conform to ISO 15118-3 with hardware capable of implementing both ISO 15118-2 and ISO 15118-20	Required		
Chargers conform to ISO 15118-2 and are capable of Plug and Charge	Required		
Charger hardware and software have been conformance tested following ISO 15118-4 and ISO 15118-5, respectively.	Required		

Chargers conform to OCPP 2.0.1	Required		
Charging network is capable of secure communication with electric utilities, other energy providers, or local energy management systems.	Required		
Chargers are designed to securely switch charging network providers without any changes to hardware	Required		
Charging network is capable of communicating with other charging networks in accordance with OCPI 2.2.1	Required		
Charger-to-Charger network communication: (1) EVSE can communicate with a Charging Network via a secure communication method. (2) EVSE has the ability to receive and implement secure, remote software updates and conduct real-time protocol translation, encryption and decryption, authentication, and authorization in their communication with Charging Networks. (3) Charging Networks can perform and Chargers must support remote Charger monitoring, diagnostics, control, and smart charge management. (4) Chargers and Charging Networks can securely measure, communicate, store, and report energy and power dispensed, real-time Charging Port-status, real-time price to the customer, and historical Charging Port uptime.	Required		
Chargers will remain functional if communication with the Charging Network is temporarily disrupted, such that they initiate and complete charging sessions, providing the minimum required power level.	Required		
Chargers will display price for charging in $/kWh prior to initiating a charging transaction?	Required		
Charging Station plans include conduit and electrical service box(es) of adequate size and disconnect capacity that will allow for additional electrical cable to be run to the site for future expansion consistent with Requirements 12 and 13 on the Charging Site/Station Requirements Table.	Required		
Charging equipment is certified to operate without decrease in performance between -22 ℉ and 104 ℉.	Required		
If customers will be charged for charging, does the Applicant agree to : (1) Provide for secure payment methods, accessible to persons with disabilities, 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 (SMS) that provides the EV charging customer with the option to initiate a charging session and submit payment, (2) not require a membership for use; (3) not delay, limit, or curtail power flow to vehicles on the basis of payment method or membership; and (4) provide access for users that are limited English proficient and accessibility for people with disabilities. Automated toll-free phone numbers and SMS payment options must clearly identify payment access for these populations.	Required		
Applicant agrees to have mechanisms in place to report outages, malfunctions, and other issues with Charging Stations.	Required		
Applicant plans to meet uptime requirements of 97%.	5		
EVSE includes a manufacturer's hardware warranty of five (5) years and five (5) years software network subscription and scheduled maintenance agreements.	Required		
Applicant agrees to maintain the property and charging equipment in accordance with the ADECA VW/EV Property Management Manual	Required		

Applicant will include appropriate means of disconnection from power sources, including any Distributed Energy Source (DES) that may be present, for EVSE rated more than 60 amperes or more than 150 volts to ground.	Required		
Charging Station will include a single-line diagram showing all major system equipment, depicting how each piece of system equipment is electrically connected to each other, to the load, to local DES, and to the electric utility system as well as locations of disconnections? Note: Labeling of disconnects for first responders should be obvious and clear.	Required		
Charging Station Uses Renewable Energy Sources	1		
Project uses innovative approach or technology	1		
Level of Support for the Alabama Electric Vehicle Infrastructure Plan	5		
Extent of Benefits Relating to Program Goals	5		
Project Location			
Project Location Description	10		
Estimate of Annual kWh usage provided with brief justification	1		
Overhead Lighting of the Charging Station	1		
Security cameras cover the charging station site	1		
Overhead covering of charging area	3		
Staff available for assistance at the site	3		
Emergency Call System at the site	3		
24/7 on-premises security guard at site	3		
Dedicated support staff person for EV charging available at the site	5		
Availability of prepared and/or non-prepared food at the site	1		
24/7 availability of prepared and/or non-prepared food at the site	1		
Availability of prepared and/or non-prepared food within 0.25 miles of the site	1		
24/7 Availability of prepared and/or non-prepared food within 0.25 miles of the site	1		
Availability of open/free wi-fi at the facility	1		
Access to goods/services available for purchase at the station site	1		
Access to goods/services available for purchase within 0.25 miles of the station site	1		
Access to recreation at the facility	1		
Access to recreation within 0.5 miles of the facility	1		
Access to a library within 0.5 miles of the facility	1		
Access to a Fitness Room for EV Charging Customers	1		
Access to a Game Room (video and arcade games)	1		
Playground within walking distance	1		
Access to restrooms at the facility	3		
Access to restrooms at the facility 24/7	3		
Access to pet-friendly facilities or services	1		
ATM available	1		
Western Union and Check Cashing Services Available	1		
SNAP-licensed Store	1		
Driver Lounge Available	1		
Private Showers Available	1		
Laundry Room Available	1		
Tire Services Available	1		
Access to public transportation within 0.25 miles of the facility	1		
At least one charging stall offers pull-through capacity for a passenger vehicle and/or otherwise accommodates a vehicle that is towing.	3		
Charging station is designed for use by those with disabilities	Required		
Amenities are accessible to those with disabilities	5		

Description of each enhancement/amenity noted above and any additional amenities included at the site.	5		
Driving Distance from FHWA EV Charging Corridor - Pending Interstate/Highway: 1 mile or less - 0 points Greater than 1 mile but less than 3 miles - 5 points Greater than 3 miles - 10 points An interactive map of EV Charging-Corridor Pending Corridors is here: https://hepgis-usdot.hub.arcgis.com/apps/5c4d9e173301473688468fc7cf6dbe19/explore	10		
Will the charging station be physically accessible to the public 24 hours per day, 7 days per week, year-round?	Required for DCFC		
If an AC Level 2 Chargers **is not** available 24 hours per day, 7 days per week, year-round, it will be accessible by the general public at least as frequently as the business operating hours of the site host.	Required for AC Level 2		
Will AC Level 2 Chargers be accessible to the public 24 hours per day, 7 days per week, year-round?	5		
Will the project have paved parking spaces?	Required		
Applicant agrees to ensure "Electric Vehicle Charging Only" signs are placed on each side of the Charging Station along with "Electric Vehicle Charging Only" graphics on each striped parking stall.	Required		
Plans for site development needed for site acquisition, site construction, or other site preparation other than power-related preparation.	5		
Permitting approval timeline	5		
Applicant's ability to identify potential risks, issues, challenges, and needs related to the site and plans to mitigate them.	5		
Description of accessibility of vehicles to site when operational.	5		
Description of surrounding road access to the site, including traffic patterns	5		
Description of site compliance with ADA, 42 U.S.C. § 12101 et seq., and 49 U.S.C. § 322 or description of modifications proposed to make the site compliant	5		
Charger enclosure will be constructed for use outdoors with UL50, Standard for Enclosures for Electrical Equipment, National Electrical Manufacturers Association (NEMA), and Type 3R exterior enclosure or equivalent?	Required		
Is the project located on a Hurricane Evacuation Route?	5		
Accessibility of EVSE during times of emergency, such as evacuation during natural disasters.	5		
Safety options considered (1 point for each): Site Lightning Protection Fire Extinguisher Automated External Defibrillator (AED) Automatic Safety Shutoff Additional Safety Measures	5		
Management approach to safety strategies during construction phase and operational phase. (1-5 points)	5		
Operations and Maintenance	5		
Applicant agrees to all reporting requirements listed in requirements 24, 25, 26 and 27 in the Charging Site/Station Requirements Table.	Required		
Applicant agrees to listing station on Alternative Fuels Data Center.	Required		
Qualifications and Experience of Applicant	5		
Qualifications and Experience of Project Partners	5		

Applicant agrees to ensure the electricians installing, operating, or maintaining EVSE will meet the requirements listed in requirement 28 in the Charger Site/Station Requirements Table.	Required		
Financial Structure of the Project	5		
Project Plan			
Deliverables Table completed?	1		
Plans to ensure charging station is operable within a reasonable time and supply chain delays are mitigated (1-5 points).	5		
Addendum B - Engineering and Construction Site Assessment Completed	5		
A detailed plan and scaled drawing included in application (must include signage, lighting, existing and proposed designated EV charging parking spaces, EVSE equipment, point of sale equipment, on-premises signage, electric service to the site, space available for future use, ADA access).	5		
A detailed map of the local area included in application (indicates accessibility to amenities with 24/7 designation where applicable and proximity to nearby travel corridors).	5		
Timestamped daytime photographs of the proposed site showing the exact charging station location. Photographs must include ground level view of the location at the time of Application.	5		
Timestamped nighttime photographs of the proposed site showing the exact charging station location. Photographs must include ground level view of the location at the time of Application.	5		
Proof of Applicant's Project Site Ownership or Host-Operator Agreements	Required		
Supporting evidence that chargers are OSHA NRTL certified	Required		
Supporting evidence that AC Level 2 Chargers are ENERGY STAR certified	Required		
Supplier specifications and installation guides attached	Required		
TOTAL POSSIBLE POINTS	**237**		