

RFI – EV Fleet Charging as a Service

Annex A – Company and Technical Questionnaire

The following questionnaire (which is a fillable PDF document) is intended to collect responses from companies involved in Charging as a Service (CAAS) including, but not limited to:

- EV charging equipment supply
- Site assessment
- Equipment installation
- Equipment operations (including user interface and payment software)
- Equipment servicing and maintenance

RFI respondents are at a minimum requested to provide information on CAAS offerings and operational requirements. The Bermuda Electricity Act (2016) does not allow the resale of electricity by any party other than the electric utility. As such, the Government expects to cover electricity costs at these charging sites through direct billing and is not seeking a service that includes charging costs. Companies that can provide a holistic suite of charging services through partnerships or sub-contracting arrangements are encouraged to submit a single, consolidated RFI response by one company representing the consortia outlining their combined capabilities.

Definitions:

1. EV Charging as a Service (CAAS)
 - a. EV Charging as a Service (EV CAAS) is a subscription-based model where a third party provides and manages electric vehicle charging infrastructure, including hardware, installation, maintenance, software, and customer support, for a predictable monthly fee (not to include cost of electricity).
2. Level 2 Charging:
 - a. AC Level 2 charging equipment (often referred to simply as Level 2) offers charging through 240V or 208V electrical service. A Level 2 unit can range from 2.9 to 22 kW power output.
3. Level 3 or DCFC Charging:
 - a. Direct-current (DC) fast charging equipment (typically a three-phase AC input) enables rapid charging at installed stations at power outputs between 50-350 kW.

ORGANIZATION INFO

Company Name:		
Parent Company Name (if any):		
Company address:		
City:	State/Province:	Postal Code:
Country:		
Contact Name:	Contact Title:	
Contact Phone:	Contact Email:	
Website:		

Organization Details	Responses
Type of business (i.e., corporation, LLC, sole proprietorship, partnership):	
Date of formation/incorporation:	
State and country of incorporation:	
Parent company date of formation/incorporation:	
Parent company state and country of incorporation:	
Number of CAAS projects supported to date:	
Countries in which operations or business related to CAAS have been conducted:	
Total size of the team supporting any CAAS projects:	
Please list the team's relevant areas of expertise in supporting a CAAS project:	
Please specify the scope of services you will be able to provide to support EV charging operations in Bermuda (e.g. equipment provider, site engineering/construction, equipment installation, equipment operation, equipment maintenance, etc.):	

PROJECT REFERENCES

Below please list the most relevant, verifiable EV charging projects supported by your company (either as equipment provider, software provider, engineering/procurement/construction, CAAS, or any combination of mentioned services)

EV charging: Project 1

Contract type:

Project name:

Project location:

Construction dates (or projected completion date):

Contract amount (USD):

No. of years operating (if already commissioned):

Relevant contractor information:

Percent owned by responding company:

EV charging capacity:

System description and component details:

EV charging: Project 2

Contract type:

Project name:

Project location:

Construction dates (or projected completion date):

Contract amount (USD):

No. of years operating (if already commissioned):

Relevant contractor information:

Percent owned by responding company:

EV charging capacity:

System description and component details:

PROJECT INFORMATION

Part A: General Information

Business Models

Please describe the business model for products and/or services offered by your company. If you are able to offer multiple business models (e.g., revenue-sharing, third-party ownership, outright ownership etc.), please include all options.

Geographic Considerations

Please describe your company's ability to address challenges associated with commissioning and/or operating on a small island nation.

Other

In order to respond accurately to a future request for proposal (RFP), what additional information or data would you require?

Please describe any other considerations or recommendations as Bermuda begins planning for this project.

Part B: Technical Information and Services

Equipment Specifications

If equipment is supplied as a service offering (either by your organization or through a sub-contract), what makes and models of charging infrastructure can be provided? Please list charging equipment providers along with available power levels and connector types.

Please describe the user interface available with the equipment, including payment options, accompanying mobile applications etc.

Can this equipment be integrated with managed charging and/or fleet dispatch optimization software?

Please list any other notable features of the equipment relevant to Bermuda's needs.

Scope of Services

Please list the combination of services your organization can offer to support a government fleet CAAS project (e.g., charging equipment supply, site assessment, equipment installation, operational software, servicing and maintenance contracts, etc.). At a high level, describe the offerings within each of these services.

Please provide an indicative workflow with high-level steps required for implementation. List relevant stakeholders involved at each step.

Please list any additional optional services your organization can provide to enhance the charging experience (e.g., managed charging, solar integration etc.).

Please describe your company's ability to assess the possibility of providing public charging access through this solution (e.g., after-hours public charging).

Site

Please describe an indicative timeline (in months) for to plan, design, build and commission the services offered.

Describe your prior experience with working with the utility and other stakeholders to install and upgrade grid and customer-side electrical infrastructure (e.g., panels, transformers, wiring etc.) required to support an EV charging project, both for L2 and DCFC.

Please describe any other considerations or recommendations for Bermuda related to an EV charging site.

Operations and Safety

Please describe the safety systems, and any auxiliary system needs that are required for safe operation of the EV charging site.

Please describe the durability and safety characteristics of your equipment, structural design, and/or facility considering hurricane risk, high salinity in the air, and other factors. What is the expected lifetime of the equipment/facility?

Please mention any industry standards and certifications applicable to the charging equipment or facility in terms of operational safety, performance of equipment, environmental impact, and operator training (if needed).

What product warranties are available, if any?

Please describe any additional considerations for Bermuda relevant to operations and commissioning of EV charging facilities.

PART C: COST INFORMATION

Please provide your budgetary estimates for the following in USD (NOTE: any pricing will be used for fiscal budget planning purposes only and will not be used to evaluate, elevate, or eliminate any interested bidder from a future tender)

Please note, the figures requested should be total turnkey estimates including shipping to and construction in Bermuda, excluding local unknowns such as permitting, VAT, custom duties, etc.

EV CHARGING FACILITY COSTS	COST	UNIT or QUANTITY	REMARKS
EV charger			
Any optional or auxiliary equipment			
Handling equipment, if needed			
Safety equipment, if needed			
Other, please describe:			

ADDITIONAL SERVICES COSTS	COST	UNIT or QUANTITY	REMARKS
Engineering/Procurement/Construction			
Operational costs (e.g. software licensing)			
Servicing and maintenance contract, if offered			
Training and certification – equipment operation			
Other, please describe:			

If any “Other” costs are indicated above, and not included in the main components, please specify: