

## NSW Destination Charging – EOI #2

### Version 1.2



### Introduction

To support the transition to electric vehicles, as previously announced the NSW government is co-funding the installation of AC electric vehicle charging equipment across eligible destinations in regional NSW.

Full details of the program as a whole, including available funding, eligibility criteria, how sites can apply can be found here:

<https://www.energysaver.nsw.gov.au/reducing-emissions-nsw/electric-vehicles/electric-vehicle-destination-charging-grants>

The EVC has been retained by the NSW government to run an EOI to develop lists of approved electric vehicle charging hardware (EVSE) and EV charging software for consideration within scope of the co-funding grants, subject to the terms and conditions of the overall grants program. The first EOI was executed between February and March 2022, and resulted in an approved equipment list that was used to support round 1 of the grants program.

This second EOI is intended to:

- enable organisations with hardware and software already listed to vary the details associated with their listings, and
- for new suppliers to submit hardware and software offerings for assessment for addition to the lists.

This second EOI differs slightly from the first EOI and it will run from 9AM AEST, August 24<sup>th</sup>, 2022, through to 5PM AEST, September 21<sup>st</sup>, 2022.

This document covers the details of this second EOI.

### Some important points:

Any EVSE hardware or EV software supplier can apply through the EOI for their hardware and/or software offering to be considered for inclusion on the list. Membership status of the EVC will have no bearing on inclusion or exclusion of an applicant's hardware or software offering.

Applicants to the EOI accept that to the extent permitted by law the EVC shall not be held liable for any losses in any way associated with their application or this program. To the extent permitted by law, the EVC shall

not be held accountable or liable for any losses sustained by any party pursuant to this work.

The EVC is carrying out this piece of work on behalf of the NSW government and has responsibility for developing, publishing and maintaining the lists, while the NSW government is ultimately responsible for this project.

The intent of NSW government is that this list shall be updated on a six-monthly basis through to the completion of the grants.

## **How prospective suppliers are expected to apply**

Prospective suppliers will apply via email to the EVC, to [NSWdestinationcharging@evc.org.au](mailto:NSWdestinationcharging@evc.org.au)

Required documentation to support the application shall be attached to the email, as detailed below. Attachments to the email shall be in pdf format.

Prospective suppliers with questions about the EOI are asked to submit those questions via email to [NSWdestinationcharging@evc.org.au](mailto:NSWdestinationcharging@evc.org.au)

Prospective suppliers with questions about the overarching destination charging program are encouraged to seek more information from the official government website:

<https://www.energysaver.nsw.gov.au/reducing-emissions-nsw/electric-vehicles/electric-vehicle-destination-charging-grants>

A supplier may elect to offer EVSE hardware, or EV charging software, or both.

## **How applications will be assessed**

For hardware suppliers, the EVC will review the datasheet(s) and installation manual(s) against the published criteria to confirm that the hardware specification meets the criteria. In the event that the supplied documentation fails to meet any of the stated criteria, the EVC will identify which criteria was not met in their response to the prospective supplier.

The EVC will not be responsible for physical evaluation or testing of the hardware. EVC approval shall not be construed as an alternative to the prospective supplier undertaking appropriate quality control and compliance measures, or as certification that the hardware is fit for sale.

These responsibilities are vested with the importer, installer, and others in the supply chain.

For software suppliers, the EVC will verify that the app can be readily downloaded onto an Australian phone and is navigable, to satisfy the points 'Availability in Australia' and 'user friendly interface'. As with the review of the hardware documentation, if there is a failure to meet the stated criteria, the EVC will identify which criteria was not met in their response to the prospective supplier.

For the remainder of the qualification requirements applicable to the software supplier and their offering, their letter on company letterhead will be taken as a truthful representation.

The EVC will not be responsible for verifying the adequacy of the software provider's compliance with privacy or data handling requirements or certifying that the specific solution is fit for sale. These responsibilities are vested with the party offering the software solution to market.

In the event that it comes to the attention of the EVC that a particular EVSE model supplied by a hardware supplier, or a particular software platform, is deficient with respect to the criteria, the EVC will notify the relevant party within NSW government, who will provide any necessary guidance around de-listing any item from the approved lists.

### **How successful and unsuccessful suppliers will be notified by the EVC.**

Notification of status of the application will be via email, from the EVC to the prospective supplier. In the event that the prospective supplier is unsuccessful, the criteria that they failed to meet will be specified in the email.

### **How the EVC will field and action any complaints.**

In the event of a complaint by a prospective supplier, the EVC will in the first instance seek, via email, a discussion with the management team of the prospective supplier to resolve the matter.

If this discussion does not eventuate in a timely fashion, or does not lead to a mutually acceptable resolution, the EVC will document the complaint, describe in writing the nature of the unresolved challenge, and provide this by email to the relevant party within NSW government.

## Technical criteria for applicants to address

### For new EV software providers:

The intent of the software solution is to enable EVSE hardware to be managed remotely by a third party (software provider), under a commercial agreement between the software provider and the grant applicant.

The software solution is required to:

- Enable the remote management of EVSE
- Be available and supported within Australia
- Be compatible with OCPP 1.6
- Have a user friendly interface
- Be available on Android and iOS operating systems

The applicant is required to:

- Provide a letter on company letterhead asserting that the software platform submitted for consideration meets these published criteria for inclusion in the scheme and demonstrating that the organisation is established and reputable, with the ability and intent to support their respective software and customers into the future.
- Clearly state whether they are a turnkey solution provider, capable of managing all aspects of a combined hardware and software installation, or whether they are specifically a software provider.
- Provide a list of which brands of EVSE available in the Australian market that the software has **successfully been integrated with.** **Note, this is a significant change from the first EOI, which requested compatibility at the model level to be supplied, but which did not ask if successful integration had been achieved.**
- Provide the annual subscription cost applicable to the grant applicant per EVSE managed, ex-GST in AUD.
- Commit to offering grant applicants the option to purchase a 2-year subscription up-front.
- Agree to provide complete access to charger data to the grant applicant during the paid subscription period, noting that this does not create a requirement for the software provider to hold the data in perpetuity without compensation.
- Provide immediate access to data from the point of subscription purchase and installation connection.
- Provide a policy document addressing potential privacy concerns, detailing how data is collected, secured, and maintained.
- Commit to displaying real-time data from all co-funded chargers connected to their software to drivers, through an online platform or app.

- Agree to work with the NSW Government on a de-identified data collection protocol that provides the NSW Government with 30-minute interval data from co-funded chargers under the EV Destination Charging Grants for a 2-year period.

Data fields relevant to the above requirements include but may not be limited to:

- Live data:
  - Charger location
  - Charger availability status
  - Maximum power (kW)
  - Charging session duration (HH:MM)
  - Total energy used (kWh)
  - Charging time of day
- Operational data:
  - Successful charging sessions count per day (No.)
  - Successful charging sessions per day (HH:MM)
  - Failed charging attempt count per day (No.)
  - Fault detection
  - Time available per day
  - Time in use per day
  - Time not operational per day
  - If a \$/kWh charging fee is applied

To enable an efficient review process, new applicants are required to submit within their application checklist-style tables per below:

Software product requirements:	Compliance
Enable the remote management of EVSE	Yes/no
Be available and supported within Australia	Yes/no
Be compatible with OCPP 1.6	Yes/no
Have a user friendly interface	Yes/no
Be available on Android and iOS operating systems	Yes/no, and: Provide directions to enable the assessor to access the consumer facing interface.

Application requirements:	Checkbox / notes
Provide a letter on company letterhead asserting that the software platform submitted for consideration meets these published criteria for inclusion in the scheme and demonstrating that the organisation is established and reputable, with the ability and intent to support their respective software and customers into the future.	
Clearly state whether they are a turnkey solution provider, capable of managing all aspects of a combined hardware and software installation, or whether they are specifically a software provider.	
Provide a list of which brands of EVSE available in the Australian market that the software has successfully been integrated with.	
Provide the annual subscription cost applicable to the grant applicant per EVSE managed, ex-GST in AUD.	
Commit to offering grant applicants the option to purchase a 2-year subscription up-front	
Agree to provide complete access to charger data to the grant applicant during the paid subscription period, noting that this does not create a requirement for the software provider to hold the data in perpetuity without compensation	
Provide immediate access to data from the point of subscription purchase and installation connection.	
Provide a policy document addressing potential privacy concerns, detailing how data is collected, secured, and maintained.	
Commit to displaying real-time data from all co-funded chargers connected to their software to drivers, through an online platform or app.	
Agree to work with the NSW Government on a de-identified data collection protocol that provides the NSW Government with 30-minute interval data from co-funded chargers under the EV Destination Charging Grants for a 2-year period.	

## For new EVSE hardware providers

The intent of the EVSE is to support electric vehicle charging at destination locations.

The EVSE is required to:

- Be available within Australia, with a procurement lead time of no more than 3 months
- Be compliant to relevant Australian standards
- Be RCM marked, in accordance with AS/NZS4417
- Be able to support charging of any EV make/model available in Australia.
  - *Note, it is acceptable for the EVSE to have automotive OEM branding, provided the EVSE can support all vehicles and that there is no confusion by EV drivers as to the charger being universal and available to charge all vehicle types.*
- Have a Type 2 socket outlet or Type 2 tethered cable.
- Have 7kW or 22kW AC output
- Have OCPP 1.6 and/or OCPP 2.0 communications capability, over at least one of Ethernet, Wifi or 4G.
- Have an ingress protection rating of IP54 or higher
- Have an impact protection rating of IK08 or higher

The applicant is required to:

- Provide a letter on company letterhead asserting that the EVSE submitted for consideration meets these published criteria for inclusion in the scheme, and demonstrating that the organisation is established and reputable, with the ability and intent to support their respective EVSE and customers into the future.
- Provide part numbers, short descriptions, and recommended retail price (RRP, MSRP, or 'list price') for each model of EVSE proposed to be offered through the scheme.
  - *Part numbers should be of a form that readily identifies a specific product from within a product range. Descriptions should be short. The first page of the existing approved hardware list is a good guide to what we're looking for here.*
- Provide a datasheet and installation manual for each model of EVSE proposed to be offered through the scheme.
- For each model of EVSE, specify whether it is designed for wall/post mount, or whether it is pedestal style designed for ground mount.
- For wall/post mount EVSE, if there is a manufacturer approved post or pedestal mounting solution offered as a separate item to enable

ground mounting of the EVSE, please provide part number, price, and description

- For each model of EVSE intended for listing in the scheme, provide one of:
  - Written statement from the importer that their in-house quality/engineering team has examined the product and deemed it fit to supply the Australian market, or
  - Written statement from an accredited Australian test laboratory to the effect that the product is fit to supply the Australian market (any required testing at supplier's cost)
- Offer Minimum 2-year warranty from time of sale on EVSE offered for this scheme.

To enable an efficient review process, new applicants are required to submit within their application a checklist-style table per below.

Hardware product requirements:	Compliance (Yes/no)
Be available within Australia, with a procurement lead time of no more than 3 months	
Be compliant to relevant Australian standards	
Be RCM marked, in accordance with AS/NZS4417	
Be able to support charging of any EV make/model available in Australia.	
Have a Type 2 socket outlet or Type 2 tethered cable	
Have 7kW or 22kW AC output	
Have OCPP 1.6 and/or OCPP 2.0 communications capability, over at least one of Ethernet, Wifi or 4G	
Have an ingress protection rating of IP54 or higher	
Have an impact protection rating of IK08 or higher	



Application requirements:	Checkbox / notes
<p>Provide a letter on company letterhead asserting that the EVSE submitted for consideration meets these published criteria for inclusion in the scheme, and demonstrating that the organisation is established and reputable, with the ability and intent to support their respective EVSE and customers into the future.</p>	
<p>Provide part numbers, short descriptions, and recommended retail price (RRP, MSRP, or 'list price') for each model of EVSE proposed to be offered through the scheme.</p>	
<p>Provide a datasheet and installation manual for each model of EVSE proposed to be offered through the scheme</p>	
<p>For each model of EVSE, specify whether it is designed for wall/post mount, or whether it is pedestal style designed for ground mount.</p>	
<p>For wall/post mount EVSE, if there is a manufacturer approved post or pedestal mounting solution offered as a separate item to enable ground mounting of the EVSE, please provide part number, price, and description.</p>	
<p>For each model of EVSE intended for listing in the scheme, provide one of:</p> <ul style="list-style-type: none"> <li>• Written statement from the importer that their in-house quality/engineering team has examined the product and deemed it fit to supply the Australian market, or</li> <li>• Written statement from an accredited Australian test laboratory to the effect that the product is fit to supply the Australian market (any required testing at supplier's cost)</li> </ul>	
<p>Offer Minimum 2-year warranty from time of sale on EVSE offered for this scheme.</p>	

## **For organisations that are already on the approved equipment list and wish to make changes.**

For changes to pricing or descriptions of existing listed products, please provide a pdf document with a screen shot of the section of the approved list you would like changed and note the specific changes you would like made.

This may include removal of products no longer available for sale, or removal of a supplier entirely. We will accept change and removal requests from the party that originally submitted the application in the first EOI.

For the avoidance of doubt, in the absence of a supplier submitting a change request, or direction from NSW government to the effect that a change is required, items will remain on the list without change, except in cases where the EVC has identified deficiencies in the list. In those cases, the EVC will reach out to the specific parties involved to request necessary information.

Where an existing listed supplier wishes to add additional hardware or software, please provide a submission as per the new applicants, details above.

If in doubt on this process, please email your query to:

[NSWdestinationcharging@evc.org.au](mailto:NSWdestinationcharging@evc.org.au)

## **What will happen to the information submitted as part of your application to this EOI**

All submitted hardware and software that are assessed and approved as part of this EOI process will be collated and be made publicly available on the EV Council website at the following address:

<https://electricvehiclecouncil.com.au/programs/nsw-destination-charging/>

This list will be used by applicants to the NSW EV destination charging grants program when selecting their preferred supplier and EVSE/software.

Manufacturer and supplier name, makes/models and pricing will be included in this list. If you do not wish to have the pricing of your hardware or software subscription made publicly available, please contact the EVC to have your submissions removed from the list. However, please note that only products that are shown on the list are available for grant funding under the EV destination charging grants.

## **NSW Destination charging FAQs relevant to EOI #2:**

**Please read before submitting your application or questions.**

### **Does EVSE hardware require RCM marking to qualify for the hardware list?**

Yes. This is captured within the requirement to 'be compliant to relevant Australian standards'. It has been called out as a specific requirement upfront in this second EOI, since several applicants to the first EOI were not aware of their legal obligations as electrical equipment importers and suppliers in Australia when submitting applications to the first EOI.

### **How will pricing information provided by applicants be used?**

NSW government has requested pricing information for both EVSE and software in order to inform consumer choice. With this in mind the pricing information provided by applicants will be made public during the program. Please ensure that the pricing you supply is pricing that you are happy to see publicised.

### **Does “hardware supplier” refer to the equipment manufacturer, or could this also refer to a reseller / distributor?**

The nature of the organisation applying as the hardware supplier has been left somewhat open, as there are a range of supply chain models in the Australian market by which EVSE hardware gets to market.

Without excluding other potential parties, we can clarify that acceptable parties to submit applications as EVSE suppliers would include:

- Importers with a supply arrangement with an overseas manufacturer of EVSE
- The local subsidiary of a global electrical equipment manufacturer which produces EVSE
- Distributors of EVSE appointed by a global electrical equipment manufacturer or a global electrical equipment manufacturer's subsidiary
- Resellers of EVSE who are purchasing from any of the above

From a practical standpoint, it will make sense for parties involved in local EVSE supply chain arrangements to talk to each other, in order to avoid unnecessary duplication of effort by applicants and the EVC team, or any potential confusion around EVSE pricing. The EV destination charging grants will cap funding contributions based on the pricing included in these lists.

### **Is there a particular format that the EVC requires for applications?**

Applications shall be by email, with pdf attachments as described above.

### **For software applications, what is the time line for the EVC to assess the user interface against EOI requirements?**

No specific timing is guaranteed other than that the EVC undertakes to attempt to verify the availability of the app for download and functionality, provided the application is submitted within the EOI period.

Verification of the app being available in Australia would typically be a matter of a couple of days.

### **Why are 7kW and 22kW chargers included, but not 11kW chargers?**

The technical reason is that 11kW EVSE wired to deliver 11kW are typically wired 16A per phase. This means that if a vehicle with a 7kW single phase rectifier on board plugs in to an 11kW EVSE, it will only charge at 3.7kW (16A single phase), because it cannot use all three phases of supply.

By comparison, a 22kW EVSE wired for 22kW will deliver 11kW to a vehicle with a three phase rectifier on board, or 7kW to a vehicle with a single phase rectifier on board.

### **Can a company participate at a later stage as it is mentioned in the EOI that list will be updated on a regular basis?**

Yes, it is the NSW government's intent that the lists will be updated on a 6 monthly basis. This is primarily to account for new entrants and new offerings coming to market. If an applicant wishes to participate at a future stage, this should be no problem.

### **If a software or hardware vendor fails can they reapply based on the feedback provided by EVC?**

With regard to this specific EOI closing September 21<sup>st</sup>, yes, subject to time. If an application is deficient in some respect, but arrives with sufficient time that EVC feedback enables the applicant to amend it and re-apply within the EOI window, the re-application will be assessed.

Please note, while the EVC is committed to providing feedback on every application, no specific commitment is given from the EVC with respect to timeliness of this feedback. As an example, feedback that an application

was deficient in some respect might not be delivered within the EOI time window.

With regard to the 6 monthly updates, no problem. If an application fails in this second EOI, the applicant will be free to apply again with a modified application to future revisions to the lists