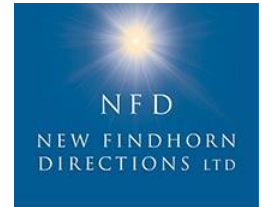


EVCP & HP Connections Form



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Revision History

Rev. No	Date	Who	Changes
0	12/09/2022	PA	First issue

This form is an adaption of v3.4 of the ENA form which can be found on the ENA website [here](#).

Cover Page

With the increasing electrification of heat using heat pumps and the adoption of electric vehicle NFD needs to manage the additional electrical load on the Park LV infrastructure. Completing this form accurately will help NFD process your application as quickly as possible. Please read the following information thoroughly before starting to ensure you have all information required to complete the relevant sections.

What is eligible	This form is for Electric Vehicle Charge Points (EVCP) or Heat Pumps (HP) being installed in a premises with an existing NFD electricity connection. NFD is not currently offering Vehicle-to-Grid Electric Vehicle Charge Points (V2G EVCP) connections until a congruent EV strategy is established for The Park. One form must be submitted per device per premises
When to submit	You should submit an application to NFD using this form prior to installing any new EVCP or HP to ensure that NFD can maintain safe and effective operation of the electricity network.
What to submit	Depending on the nature of the new equipment, NFD may require additional information. For multiple pieces of equipment (including multiple pieces of equipment under one controller) or multiple premises, please contact NFD to discuss.
Cost	Any reinforcement costs associated with this installation may be charged to the customer.

Required Information

To populate this form, you will need information about the following.

Device to be installed	Details of EVCPs or HPs to be installed are required. Where equipment is not registered in the relevant ENA database, additional information will be required (Section E). A link to the Heat Pump Database can be found on the ENA Databases page on the ENA website.
Existing devices at the premises	Details of any existing EVCPs, electric heating, battery storage, generation (e.g. solar PV), storage or other large load drawing devices.
Maximum demand (MD)	A load survey is required to calculate the Maximum Demand. This should comprise the existing Maximum Demand of the whole premises and the new equipment to be installed as well as any import or load limiting devices. Further Guidance on such devices is available in the FAQ section of the Connecting to the networks page on the ENA website ¹ .
Supply Capacity / cut-out rating	If the cut-out rating is unknown or uncertain, it can be established by asking NFD. A new fuse/cut-out will be required where the new Maximum Demand is greater than the existing cut-out rating.
Adequacy of supply	Based on the information you provide in this application NFD is required to do an 'adequacy of the supply' assessment.

Timelines

Providing that this form is fully and correctly completed, NFD will endeavour to assess the supply capacity and confirm if the new equipment can be connected within 15 working days of receiving the completed form.

¹ <https://www.energynetworks.org/operating-the-networks/connecting-to-the-networks>

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Declaration

Once populated, please remove the cover page, sign below and submit to the relevant DNO with any attachments.

I confirm that the information I have given in this form is true to the best of my knowledge. I acknowledge that the installation may only take place following approval from NFD.

Name:

Signature:

Date:

Section A – Contact Details

Installer Contact Details

Name	
Company	
Address line 1	
Address line 2	
Town	
Postcode	
Contact Number	
Email	

Customer Contact Details

Name	
Contact Number	
Email	

Installation Location Address

Address line 1	
Address line 2	
Town	
Postcode	

Section C – Electricity Supply Details

Type of premises	<input type="checkbox"/> Residential house	<input type="checkbox"/> Residential flat
	<input type="checkbox"/> Commercial	<input type="checkbox"/> Public
	<input type="checkbox"/> Other – Please detail:	
Smart Meter installed on site	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Declared Voltage at Connection Point	 Volts
Number of Phases	<input type="checkbox"/> Single Phase	<input type="checkbox"/> Three Phase
	<input type="checkbox"/> Split/two Phase	
Maximum Demand (MD) of premises See page 1 for guidance	<input type="checkbox"/> Whole Current Metered Amps
	<input type="checkbox"/> CT Metered kVA
	<input type="checkbox"/> Copy of load survey provided	
Supply Capacity Agreed Supply/Maximum Import Capacity	<input type="checkbox"/> Whole Current Metered Amps per phase
	<input type="checkbox"/> CT Metered kVA
Premises Cut-out Rating If known. See the cover page for guidance	Whole Current Metered only Amps
Import or load limiting device on premises	<input type="checkbox"/> Yes	If yes, please confirm MD of the premises with load limiting device installed:

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	<input type="checkbox"/> No
Any issues identified with NFD existing supply equipment?	<input type="checkbox"/> Yes Please detail: <input type="checkbox"/> No

Section E – Equipment to be installed

Type of equipment Tick all that apply (if selecting multiple this must be an application)	<input type="checkbox"/> Heat Pump <input type="checkbox"/> Electric Vehicle Charge Point (EVCP)		
Maximum Current Demand of proposed equipment² Include any associated additional components. The aggregate maximum simultaneous current of all pieces of equipment must be stated.	<input type="checkbox"/> Single phase Amps <input type="checkbox"/> Three phase Amps		
Electric Vehicle Charge Points			
Manufacturer			
Model			
Model in the ENA EVCP Database (DC Only)	<input type="checkbox"/> Yes Product ID: <input type="checkbox"/> No If no, fill in Section F		
Heat Pumps			
Manufacturer			
Model			
How will the Heat Pump system be used? Please tick one	The Heat Pump model stated will provide:	<input type="checkbox"/> Heating only <input type="checkbox"/> Heating and cooling	
Does the Heat Pump system have additional components installed?	Back-up heater: <input type="checkbox"/> On-board <input type="checkbox"/> External	Boost Heater: <input type="checkbox"/> On-board <input type="checkbox"/> External	Immersion heater: <input type="checkbox"/> On-board <input type="checkbox"/> External
Model in the ENA Heat Pump Database	<input type="checkbox"/> Yes Register No: <input type="checkbox"/> No If no, fill in Section F		

Section F – Equipment not currently in ENA Databases

EVCP (DC Only)			
You must provide the required data for DC-coupled EVCP models not currently in the ENA EVCP Database. It is the installer's responsibility to ensure all information required to populate the EVCP Database is provided.			
Datasheet and Power Quality documentation for the EVCP (Rated power, harmonic emission data & test standard applied for harmonic emission data)			Must attach with application
Heat Pumps Only			
You must fill in the following Power Quality details required for non-registered Heat Pump Models. It is the installer's responsibility to ensure all information required to populate the Heat Pump Database is provided.			
Datasheet and Power Quality documentation for the Heat Pump.			Must attach with application
Microgeneration Certificate Scheme³ Product Requirements met			<input type="checkbox"/> Yes <input type="checkbox"/> No
Proposed installation complies with:	Technical requirements of BS EN/IEC 61000-3-2 (harmonics)		<input type="checkbox"/> Yes <input type="checkbox"/> No
	BS EN/IEC 61000-3-12 (harmonics)		<input type="checkbox"/> Yes (R _{sce} = 33)
			<input type="checkbox"/> Yes, subject to minimum short-circuit power (S _{sc})
			<input type="checkbox"/> No

² Connection of additional equipment or reconfiguration not included in this application is not permitted without submitting another application

³ <https://www.microgenerationcertification.org/mcs-standards/product-standards/heat-pumps/>

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	Technical requirements of BS EN/IEC 61000-3-3 (flicker)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	BS EN/IEC 61000-3-11 (flicker)	<input type="checkbox"/> Yes (meets 61000-3-3 tech. requirements)
		<input type="checkbox"/> Yes, subject to a service current capacity $\geq 100A$ per phase
		<input type="checkbox"/> Yes, subject to a Z_{max} value at point of supply
		<input type="checkbox"/> No
Microgeneration Certificate Scheme⁴ Product Requirements met		<input type="checkbox"/> Yes <input type="checkbox"/> No
Proposed installation complies with:	Technical requirements of BS EN/IEC 61000-3-2 (harmonics)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	BS EN/IEC 61000-3-12 (harmonics)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Technical requirements of BS EN/IEC 61000-3-3 (flicker)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	BS EN/IEC 61000-3-11 (flicker)	<input type="checkbox"/> Yes <input type="checkbox"/> No

⁴ <https://www.microgenerationcertification.org/mcs-standards/product-standards/heat-pumps/>