

Mr. George Liu  
EvoEnergy Ltd  
27 Eldon Business Park  
Eldon Road  
Attenborough, Beeston, Nottingham  
NG9 6DZ

Date: 14 August 2019

Our Ref: 8500122598 / QID 3500075217

Dear Mr. Liu

## Site Address: British Antarctic Survey, Madingley Road, CAMBRIDGE CB3 0ET

Thank you for your recent enquiry regarding the above site. I am pleased to be able to provide you with a Quote to carry out the work requested. I am writing to you on behalf of Eastern Power Networks plc the licensed distributor of electricity for the above address trading as and referred to in this Quote as "UK Power Networks".

The Works will enable the provision of an import capacity of 500 kVA and a maximum export capacity of 200 kW. You have requested approval for the connection of 372kW of PV generation and battery storage. This generation can be connected provided the export is restricted to 200kW with a G100 system. A G99 and G100 witness test will be required for commissioning.

UK Power Networks are pleased to provide customers with a choice of options where the requested work includes some Contestable Works, which can be carried out by an Independent Connection Provider (ICP). However, in this instance, your Quote does not include any Contestable Works at all, so we cannot offer you this choice. Consequently, options B and C are not applicable.

To give you as much choice as possible we are able to offer you **the following options** for getting your work done:

How much is it going to cost?		Price excluding VAT	Price including VAT
<b>A</b>	UK Power Networks carries out all of the requested 'contestable' and 'non-contestable' works required for your connection	<b>£900.00</b>	<b>£1,080.00</b>
<b>B</b>	UK Power Networks carries out all the 'non-contestable' work and the 'contestable closing joint'. The ICP carries out all other requested 'contestable' work	<b>Not Applicable</b>	<b>Not Applicable</b>
<b>C</b>	UK Power Networks carries out the 'non-contestable' works only. The ICP carries out all of the works classified as 'contestable'	<b>Not Applicable</b>	<b>Not Applicable</b>

A short guide is available to help you understand the three different Prices (options A, B and C). To see this guide please [click here](#).

## Terms and Conditions

The Quote is subject to version 7 (September 2016) of our **Terms and Conditions For Connection and Diversionary Works** (the “Terms and Conditions”) which you can view [here](#). Alternatively, please let me know if you would like me to send you a copy in the post. These create legally binding obligations so it is important that you take the time to read and understand them. They also contain definitions of terms used in this document and in the linked pages on our website that you may find helpful.

## Engineering Recommendations G98 & G99

Please be aware that Engineering Recommendations G98 and G99 were formally published on 16 May 2018 and came into effect on 27 April 2019. If you are planning to undertake a generation connection or commissioning you will need to comply with the requirements of the new Engineering Recommendation (EREC) that applies to your generation, either:

- **Engineering Recommendation G98** – Requirements for the connection of Fully Type Tested Micro-generators (up to and including 16A per phase) in parallel with public Low Voltage Distribution Networks on or after 27 April 2019; or
- **Engineering Recommendation G99** – Requirements for the connection of generation equipment in parallel with the public distribution networks on or after 27 April 2019.

Both EREC G98 and EREC G99 contain a number of significant changes from the requirements of EREC G83 or EREC G59. Full copies of these new Engineering Recommendations can be downloaded from:

<http://www.dcode.org.uk/>

If you have any questions regarding our approach to EREC G98 or G99 please email your query to

[G98\\_G99@ukpowernetworks.co.uk](mailto:G98_G99@ukpowernetworks.co.uk).

## Additional Requirements of EREC G99

EREC G99 introduced a number of new technical, operational and process requirements for Power Generating Modules, compared with EREC G59. These include active power output control and operational control modes:

- Active power output control: For Type A this is for the Power Generating Module to cease active power output upon receipt of a signal from UK Power Networks, for Type B to reduce active power output, and for Type C / D to adjust active power output to a set point specified by UK Power Networks.<sup>1</sup> **UK Power Networks intends to make use of this capability for generation that is typically connected at High Voltage (HV, 1,000 V) and above**, under abnormal network conditions only, unless specified otherwise elsewhere in this letter.
- Control modes: G99 allows for Power Generating Modules to operate in voltage, power factor or reactive power control mode. **Generation that is connected at 132 kV (or 66 kV in certain cases) or is an embedded medium power station will operate in voltage control mode. All other generation will operate in power factor control mode.** In the event that UK Power Networks requires you to operate in reactive power control mode, you will be advised of this via your Connections Project Manager and/or in your Connection Agreement.

Details will be recorded in the Connection Agreement.

EREC G99 also introduced a number of notifications that you will be issued with. For further information, refer to our G98 and G99 Frequently Asked Questions document, which is available on our [Distributed Energy Resource \(DER\) webpage](#).

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<sup>1</sup> For descriptions of Types A – D refer to the UK Power Networks G98 and G99 Frequently Asked Questions, available on the [DER webpage](#)

### When can you expect your electricity connection?

Once you have accepted this Quote we will call you to discuss a programme of Works. Subject to the Terms and Conditions the Works referred to in this Quote will be completed on or before 30 September 2020.

We will try to meet your requested dates wherever possible but the completion date will be dependent on:

- The date that the Quote is accepted;
- How much of the work you wish UK Power Networks to complete;
- Any further discussions we may have with you regarding the programming of the works; and
- The completion of work by other people or companies that must be done before we can complete our work.

### Interactivity

We have not received a request from any other customer for connections to the same part of our Distribution System, but to find out what happens if they do, please [click here](#).

### Flexible Distributed Generation (FDG) connections

In certain areas of our network there might be alternative ways of connecting, please click [here](#) for the latest information.

### Post quote call

I will contact you within the next few days to discuss your quote, to ensure you understand the work we will do for the quoted price, your responsibilities, any dependencies and the likely timescales for the work. UK Power Networks are always looking to improve our service offering and as such, the post quote call may be recorded for training purposes. We will not share the recorded call with anyone outside of our connections business and it will be deleted as soon as we have completed the training review. However, if you do not want us to record the call please let me know at the beginning of the call.

### What you need to do next

Before you decide to proceed it is really important that you take note of our **Terms and Conditions**, any **special conditions** detailed above and the details in **Your Information Pack** which includes information contained within the hyperlinked text, all of which constitute your **Quote**.

If you would like to accept this Quote you will need to ensure that the requested payment is in our bank account in full and cleared funds and that we have received your signed Acceptance Form from section 5 below by 5pm on 12 November 2019.

If you have any questions about this Quote or need more information, please do not hesitate to contact me.

Yours sincerely



Zoe Eyre

Telephone: 01279 314 481  
Mobile: 07875 116 546  
Email: [zoe.eyre@ukpowernetworks.co.uk](mailto:zoe.eyre@ukpowernetworks.co.uk)

Please support our safety campaign and join the growing number of companies signing up to our [Pledge](#)



To download your free safety leaflets and resources visit  
[UK Power Networks - Safety Page](#)

## Your Information Pack

The following pack provides all of the information you should need to successfully complete your electrical connection for the work you have been quoted. Please pay particular attention to the information that is specific to your project.

Do not hesitate to contact me should you require any further support.

**Section**

**1**

The Scope of Works

**Section**

**2**

Cost Breakdown

**Section**

**3**

Your Responsibilities

**Section**

**4**

Information To Help You As You Plan For Your Work

**Section**

**5**

Acceptance Form To Proceed With The Works

## Section 1 Scope of Works

Please read the details in this section in conjunction with the customer proposal plan (referred to in the Drawing Schedule in Section 4).

<b>A</b>	Witness test for DG connections during normal working hours. Checks on whether installation behaves as it should, that switching works automatically. Testing simulates grid faults. Undertaken before commissioning.  UK Power Networks carries out all the Contestable and Non-Contestable Works.
<b>B</b>	Not applicable as the Final Closing Joint is not Contestable.
<b>C</b>	Not applicable as this Quote only includes Non-Contestable Works.

### Your Connections

The table below provides a summary of the technical characteristics and the connection types you have requested:

Type of Property	No. of MPANs	Metering Voltage	Phase Type	Import Capacity (kVA)	Export Capacity (kW)
Commercial	1	400	Three Phase, 50HZ	500	200
Meter Position	Service Cable	Fuse Size	Earthing	Metering	
Exists					

### Phases of work

This Quote covers 1 phase(s) of work which may be subject to our performance standards, as detailed in our 'Our Connections Standards of Performance' leaflet which can be found [here](#).



## Section 2 Cost Breakdown

### Totals

Option	A	B	C
Net Price (Excluding VAT)	£900.00	Not Applicable	Not Applicable

### Breakdown of Costs

Description of CONTESTABLE WORK that is included in option	A	only
Work involved		Net price (£)
TOTAL		£0.00

Description of CONTESTABLE FINAL CLOSING JOINT WORK that is included in option	A	and in option	B
Work involved			Net price (£)
TOTAL			£0.00

Description of NON-CONTESTABLE WORK that is included in option	A	and in option	B	and in option	C
Work involved					Net price (£)
Commercial Services					
• Witness test (Normal working hours)					£900.00
Transactional Charges					
Other charges					
TOTAL					£900.00

Please note that payment is required in full, in advance of the work being programmed.

## Section 3 Your Responsibilities

This section provides information about the work that you are responsible for should you accept this Quote.

We have made all of our general information about your responsibilities available in our Knowledge Centre on our internet site at [www.ukpowernetworks.co.uk](http://www.ukpowernetworks.co.uk). Links to each of the relevant articles are in the table below.

Please let me know if you think we can improve the information we have provided.

### Job Specific Responsibilities

Subject	Link to our Knowledge Library
Witness Testing	Section 3.15 <a href="#">Click here</a>
Primary/Grid transformer	Section 3.16 <a href="#">Click here</a>
Power Factor	Section 3.17 <a href="#">Click here</a>

### Generic Responsibilities Applicable to all Quotes

Subject	Link to our Knowledge Library
Construction (Design & Management) Regulations 2015 (CDM)	Section 3.25 <a href="#">Click here</a>
Appoint an electricity supplier	Section 3.26 <a href="#">Click here</a>
Works to be undertaken by the ICP/IDNO if UK Power Networks is undertaking the non-contestable Works only	Section 3.27 <a href="#">Click here</a>
Land rights for option B or C - where UK Power Networks is undertaking the non-contestable Works only	Section 3.28 <a href="#">Click here</a>

## Section 4 Information to Help You Plan For Your Work

### Drawing Schedule

The table below shows a summary of the standard drawings that may be useful for this Quote, along with hyperlinks to the drawings that are currently applicable. Our drawings are revised periodically so the links in the table below may not work in the future if the drawings are superseded. However the latest versions of all of our standard drawings can be found [here](#). If you have not used our G81 web pages before you will be asked to register your credentials for future logins and updates.

Drawing Number	Drawing Description
8500122598	Customer proposal plan

### Job Specific Information

Subject	Link to our Knowledge Library
Supply characteristics at the Point of Supply for LV metered and un-metered customers	Section 4.2 <a href="#">Click here</a>
Earth Fault Loop Impedance (EFLI)	Section 4.4 <a href="#">Click here</a>
Cables between UK Power Networks and Customer installations up to 400A	Section 4.5 <a href="#">Click here</a>
Abnormal network conditions	Section 4.9 <a href="#">Click here</a>
Interactive process	Section 4.10 <a href="#">Click here</a>



## Generic Information Applicable to all Quotes

Subject	Link to our Knowledge Library
Information common to all Quotes	Section 4.1 <a href="#">Click here</a>

If you are unhappy with our service please follow our Complaints Procedure Specific to Commercial and Industrial Projects which can be found [here](#). This document details your right to contact Ofgem for a formal determination if we have been unable to resolve the matter to your satisfaction.

## Section **5** Acceptance Form

Job Reference: 8500122598 / 3500075217

Site Address: Madingley Road / CAMBRIDGE CB3 0ET

Please return your completed form by post or email:

CC Proj.  
UK Power Networks  
Metropolitan House  
Darkes Lane  
Potters Bar, Herts, EN6 1AG

**Email:** [billingteam-networks@ukpowernetworks.co.uk](mailto:billingteam-networks@ukpowernetworks.co.uk)

Please indicate which option you accept:

	Please tick one only	Price excluding VAT	Price including VAT
<b>A</b> UK Power Networks carries out all of the requested 'contestable' and 'non-contestable' works required for your connection	<input type="radio"/>	<b>£900.00</b>	<b>£1,080.00</b>
<b>B</b> UK Power Networks carries out all the 'non-contestable' work and the 'contestable closing joint'. The ICP carries out all other requested 'contestable' work	<input type="radio"/>	<b>Not Applicable</b>	<b>Not Applicable</b>
<b>C</b> UK Power Networks carries out the 'non-contestable' works only. The ICP carries out all of the works classified as 'contestable'	<input type="radio"/>	<b>Not Applicable</b>	<b>Not Applicable</b>

### Payment Profile

I understand that the Price, including VAT, must be paid in full to accept this Quote. I also understand that where VAT has been charged a Tax Invoice for the Price will be issued by UK Power Networks on receipt of payment.

Please indicate your method of payment:



Cheque

Please make cheques payable to **UK Power Networks** and **put our reference number on the back.**



Debit/Credit Card

Please call **0203 282 0610** and have your card to hand. We are sorry we cannot accept American Express/Diners Club.



BACS/CHAPS

**Account:** HSBC Bank Plc **Sort Code:** 40 05 30 **Account Number:** 02302934  
**UK Power Networks Ref. Number** 3500075217  
**(You MUST include this reference so we know which job is being paid):**

The Invoice Address	Your Site Contact
Name / Company name:	Name / Company name:
Contact name:	Contact name:
Address:	Address:
Telephone:	Telephone:
Email:	Email:

### Your Acceptance

I accept your quotation for carrying out the DNO Works in accordance with the Quote for the option I have chosen overleaf.

I have already paid £0.00 inclusive of VAT towards the total price and therefore £1,080.00 remains payable (for option A).

To accept this Quote, the signed Acceptance Form and payment in cleared funds must reach UK Power Networks by 5pm on 12 November 2019. Acceptance Forms and payments received after this date may be returned and you will need to request a new Quote.

Signed:	Date:
Print name:	
Agent acting on behalf of:	

Job Reference: 8500122598 / 3500075217

## Acceptance Form Part 2

### Land Rights

If you are appointing a Solicitor to complete any legal work associated with acquiring substation sites and easements work, please provide UK Power Networks with their details by completing the table below.

Please also provide us with the name and address of the owner of any affected land.

#### Solicitors Information

\_\_\_\_\_  
Name / Company name:

\_\_\_\_\_  
Contact name:

\_\_\_\_\_  
Address:

\_\_\_\_\_  
Telephone:

\_\_\_\_\_  
Email:

#### Land Owners Information

\_\_\_\_\_  
Name / Company name:

\_\_\_\_\_  
Contact name:

\_\_\_\_\_  
Address:

\_\_\_\_\_  
Telephone:

\_\_\_\_\_  
Email: