






Our reference: FFU011/1
Your reference: N/a

Connections and Engineering
Scottish and Southern Electricity Networks
Walton Park
Walton Road
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PO6 1UJ

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 www.ssen.co.uk

Date: 10/06/2025

Dear David,

PROPOSED ELECTRICITY CONNECTION TO: Mole Road, Arborfield, Reading, RG2 9JF.

Thank you for your recent enquiry. We have carried out a preliminary assessment of the works required to make connection to the distribution network in the area and we are pleased to provide you with our findings along with an estimate of the costs for the option identified. Please note that we have not carried out any detailed design work or network impact analysis. This budget estimate is provided as a result of a preliminary assessment only and possibly without any site-specific considerations being taken into account. A budget estimate is not a formal offer for connection and cannot be accepted by you. The initial proposals will be subject to obtaining all necessary legal consents to carry out the work, including any consent required from third parties.

The estimate we provide at this stage may vary considerably from any further budget estimate or the price in any formal connection offer.

Budget estimate in the region of:

 **450,000 – 500,000**

This budget estimate has been calculated exclusive of VAT and does not constitute an offer of terms.

The budget estimate has been calculated based on a high level assessment, the information you have provided and the assumptions listed within this letter. It is my best estimate of the costs you would incur for this proposal and is intended for budgetary purposes only. This estimate cannot be guaranteed. This estimate includes for any reinforcements assumed to be required on the wider network that may be triggered by this connection. This estimate does not include any assessment for temporary diversion or traffic management requirements.



Any necessary reinforcements, temporary diversions or traffic management requirements would be confirmed in a formal connection offer, and part or all of the cost of these reinforcements would be included in the connection charge.

Any documents, drawings or figures provided as part of this budget estimate are indicative only.

There are Independent Connection Providers (ICPs) and Independent Distribution Network Operators (IDNOs) who may be able to provide you with an alternative quotation to carry out some of this work. Please refer to www.lloydsregister.co.uk for further details.

Description of proposed works and assumptions:

x1 HV metered supply - 1.4MVA - All electric (ASHP & EVCs) residential units.

SSEN to install x2 300mm LV wavecon cables from POC to POS.

SSEN to install an 11kV RMU metered up to 1.5MVA.

SSEN to carry out the off-site excavations and reinstatements. Customer to carry out any on-site excavations and reinstatements.

SSEN POC:

- x2 HV straight joints.

- Padlocks

HV shutdown.

Carding.

This estimate is based on the customer carrying out all on site excavation and reinstatement works and providing all internal containments for cables. I have included in this estimate a cost for the diversion of our existing cables and equipment that may be affected by your proposed development.

The initial proposal includes the installation of a new Distribution Substation on a 4.5m x 4.5m plot. The land for this will be provided by the customer at no cost to us. All associated legal costs shall be borne by the customer.

We have not carried out detailed design work or network studies to confirm that the network can accommodate the requested capacity of demand import. There is therefore no guarantee that this level of capacity will be available without completing further studies. As we have only carried out preliminary off-site investigations, physical, technical and wayleave assessments may mean that the proposals are not practical.

Transmission Constraints



Any planned transmission works and dates may be subject to change.

Any network assessment carried out as part of a formal connection offer, will take into account these works and you may be required to pay an apportioned part of network investment. Further information can be found on our Network Capacity maps:

<https://www.ssen.co.uk/ContractedDemand/>

Please also be aware that any formal connection offer will be made under our current Connection Charging Methodology Statement. If you do progress with a connection then there may also be charges applied for the use of the distribution network, as set out in our Use of System Charging Statements. Copies of our charging statements can be found on our website at:

<https://www.ssen.co.uk/Library/ChargingStatements>

If you would like to discuss any aspect of this budget estimate please feel free to contact me at the details provided at the top of this letter. Otherwise if you'd like to progress towards a formal connection offer, please contact connections@sse.com quoting your reference number which can be found at the top of this letter. You can find further information regarding our process for new connections by visiting:

www.ssen.co.uk/Connections/UsefulDocuments.

We look forward to hearing how you wish to progress with your project. Alternatively, you can find answers to any questions you may have on our web site www.ssen.co.uk.

Yours sincerely,

Ruth Mwadime

Connections Designer



SSEN:
- To install an 11kV RMU metered up to 1.5MVA.

Customer:
- To carry out the on-site excavations and reinstatements.

SSEN POC:
- x2 HV straight joints.

Exact cable route on-site to be confirmed by the customer in due course.

SSEN:
- To install x2
300mm LV
wavecon cables
from POC to POS.

SSEN:

- To carry out the off site excavations and reinstatements.

Services	LV	HV	EHV
0.45m	0.45m	0.6m	0.8m
0.6m	0.6m	0.75m	0.9m
1m	1m	1m	1.1m

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depths of cables. HS (G) 47 Booklet from the Health and Safety Executive - Avoiding Danger from Buried Cables - should be consulted before commencing excavation work. WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED (AVAILABLE FROM THE HSE WEBSITE)

If you are unsure & need to seek advice before commencing excavations please contact;		NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID				
			Services	LV	HV	EHV
		FOOTPATH/UNMADE	0.45m	0.45m	0.6m	0.8m
		ROAD CROSSING	0.6m	0.6m	0.75m	0.9m
General Enquiries	0800 048 3516	AGRICULTURAL	1m	1m	1m	1.1m

- Gate Signal HW Route - 11.00 Vdc, Existing
- Gate Installation HW Route - Existing
- Gate Installation HW Location - Pole Extension, Existing
- Line Segment HW Route - 132.0 Vdc, Existing
- Line Segment HW Route - 11.00 Vdc, Existing

Equipment [Electric]

- Equipment Assembly Location - Pole Mounted Switch Substation Structures (Electric)
- Pole Existing Location - Single

Transmission Structures [Electric]

- Tower Location - SSN

Installation Site [Electric]

- Substation Existing Extent
- Substation Existing Location - Filter Distribution

Annotations [Electric]

- Pole Structure Annotations Existing Annotation 1.2500 - Medium
- No. of Substations Existing Annotation 1.2500 - Medium

Common [Electric]

- Activity - Green Label Location
- Asset Activity - Green Label Annotation
- Marker Location - Pole Attachment - PAME
- BPA - Population Center
- BPA - Pipeline Buffer Zone
- Code-Point Geomarker Location
- Street End - Street
- Street Start - Street
- MS Metering Area AR1001-Building
- MS Metering Area AR1001-General surface - Normal
- MS Metering Area AR1002-Building
- MS Metering Area AR1002-General surface - Normal