

**From:** Andrew Murphy  
**To:** [Ben Pretty/GBR](#)  
**Subject:** FW: Cost for Primary Substation  
**Date:** 27 February 2019 16:03:06  
**Attachments:** [image002.png](#)  
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[image586591.png](#)  
[image651399.png](#)  
[image166002.png](#)  
[image801113.png](#)

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Ben

Please see below emails below

Andrew



**Andrew Murphy**

Development Manager

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**From:** Brazendale, James H <James.Brazendale@mottmac.com>  
**Sent:** 27 February 2019 15:29  
**To:** Andrew Murphy <Andrew.Murphy@publicsectorplc.com>  
**Subject:** FW: Cost for Primary Substation

Andrew

As discussed at the design team meetings you have paid for and secured the 1.5 MVA available in the grid. The development in total requires +3 MVA and therefore a new primary substation is required for the additional power.

Please see the email below from the District Network Operator for this area SPEN (Scottish Power Energy Network) with their price for a primary substation.

We have received three formal quotations-for the additional HV infrastructure works which total £500,000 Therefore the estimated total cost for providing SPEN their primary substation with supporting infrastructure is in region of £2million.

The primary substation will be an asset belonging to SPEN (as the District Network Operator) who will have responsibility for the substation's maintenance and operation during its lifespan, along with all other electrical infrastructure.

The infrastructure costs of approximately £500,000 is to facilitate the connection from the 33kV

supply to the proposed primary substation. Based upon previous similar schemes which we have been involved with the total cost for the primary substation appears to be reasonable.

Regards

**James Brazendale BEng (Hons) MSc MIET**  
Electrical Engineer

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**From:** Aitchison, David <[David.Aitchison@spenergynetworks.co.uk](mailto:David.Aitchison@spenergynetworks.co.uk)>  
**Sent:** 14 January 2019 11:46  
**To:** Brazendale, James H <[James.Brazendale@mottmac.com](mailto:James.Brazendale@mottmac.com)>  
**Cc:** Walsh, Mark <[Mark.Walsh@spenergynetworks.co.uk](mailto:Mark.Walsh@spenergynetworks.co.uk)>  
**Subject:** Cost for Primary Substation

Hi James

The budget price for a new primary substation is £1.5million (including cost of building).

If a primary substation was built then the capacity would be available for all 3 quote options.

Please give Mark a call next week regarding the available capacity for the site without the primary upgrade.

Regards

Dave



David Aitchison  
Technical Clerical

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