

2 September 2020



Endeavour Energy Ref: UML9335 – 2019/01482/001
Customer Ref:

Northrop Engineers Pty Ltd
Level 2 No 3 Horwood Place
PARRAMATTA ACT 2150

Attention:

Dear Sir/Madam

**UML9335 – LOT 1,3,1-6, DP 721626,1075357, Connection of Load Application: 134-142
Parramatta Road, GRANVILLE**

Your Proposed Method of Supply has been assessed, and Endeavour Energy has determined the method of supply requirements as outlined in the enclosed Design Brief. Please use this Design Brief in preparation of the design package which you will submit for certification.

The design must comply with all the conditions specified in this document, the Terms and Conditions of Endeavour Energy's Model Standing Offer for a Standard Connection Service and all relevant Endeavour Energy standards and instructions.

This Design Brief is valid for three (3) months from the date of issue.

A final Determination of Funding and a Payment Advice for Ancillary Network Services Fees applicable to this phase of the project are attached.

Property tenure is required for this project.

The applicable bond for this project is:

Property Tenure Bond

\$20000.00

A Payment Advice for the total bond required is attached. This Payment Advice along with the agreement to enter (Form FPJ 5013), signed by the owner, must be returned with the evidence of payment of the Property Tenure Bond.

Should you have any enquiries regarding your application please contact the undersigned.

Yours faithfully,

A handwritten signature in black ink, appearing to read "R. Cedino".

Romeo Cedino
Contestable Works Engineer
Ph: 9853 7845
Email: cwtech@endeavourenergy.com.au

2 September 2020

Endeavour Energy Ref: UML9335 – 2019/01482/001
Customer Ref:

Design Brief

Method Of Supply Requirement:

Development Details & Applicant's Assessed Load:

This project is for connection of load for a 374 Units located in Lot No. 1-3 & 1-6 DP No. 721626 & 1075357 respectively, 134-142 Parramatta Road GRANVILLE. The developments proposed revised total load is 3809.4 Amps (2639 kVA) three phase as per submitted revised application and maximum demand calculation.

Designers proposed method of supply:

Proposed HV works include:

1. Install 1 x new Indoor Substation (2 x 1500kVA Transformers) with 8DJH – RTR HV switchgears within the development site
2. Disconnect existing HV cable from existing Indoor Sub 34287 to PM Sub 6294.
3. Install 1 x new HV straight through joint (STJ)
4. Run a new 240 AL 3C XLPE cable between new HV STJ and New Indoor Sub.
5. Run a new 240 AL 3C XLPE cable between the two new Indoor Sub transformers.
6. Run a new 240 AL 3C XLPE cable between new Indoor Sub and existing Indoor Sub 34287.

Proposed LV works include:

1. Install 1 x new Indoor Substation (2 x 1500kVA Transformers) with 2500CB + Cat 2 LV Switchgear within the development site.
2. Run a new 240 AL 4C XLPE cable between the two new Indoor Sub transformers
3. Run a new 240 AL 4C XLPE cable from new Indoor Sub to existing pole 570585.

Endeavour Energy conditions of supply:

Capacity Planners' HV MOS:

1. Establish new Indoor sub with 2x 1500kVA transformers and 2 Fdr RMU.
Note: *The proposed 2x 1500 kVA Transformers has been accepted by the Capacity Planner*
2. Loop new sub into cable between subs 6294 and 34287.
3. Use 11kV 240sqmm 3C Cu XLPE cable.
4. Provide Type 26 ducts along entire Cowper St frontage.
5. Provide mandatory spare ducts as per standards only in other areas aside from Cowper St.

Others

- Substation design and construction to comply with MDI0028 & MCI0006

requirements.

- The HV Swgr should be RLR, not RTR as the Transformer is now 1500 kVA
- Please note that the 2500 Amps CB shall be derated 1590 Amps. Therefore, LV Swgr should be 3200 Amps (derated to 2380 Amps) + CAT 2 Fuse strip. This is to allow the new total load of 3809.4 or 1904.7 for each 3200 Amps LV CB.
- Low Voltage cable must be 240 sq mm 4C AL XLPE
- Earthing to meet the requirement of EDI 100.
- HV and LV reticulation should be in accordance with MCI0006 and MDI0028.
- Reinstate all customer services that maybe impacted by the network reconfiguration as required.
- Create easement and other restrictive covenant in accordance with MDI0044.
- The Indoor Substation must comply to but not limited to the following: Section 7.5 of MCI0006 & Section 6.4 of MDI0028.
- Indoor substation must use either dry-type transformers or less combustible insulating (K-class) oil/natural ester oil. Refer to Clause 6.4.2 of MDI0028. Bund walls are required for liquid filled Transformers, refer to Clause 7.5.22 of MCI0006.
- Cost difference between the normal oil filled transformer and the K-Class oil or dry type transformer shall be funded by the developer. It must be written in the 'Customer Funded Contestable Works' table in the Funding Arrangement for Scope of Works table.
- Provide approved Council DA and architectural plan for the development to check the structural requirements of the Indoor Substation.

The scope of works shall be undertaken in accordance with all Endeavour Energy relevant policies, regulations and network standards.

All service works shall comply with the NSW Service and Installation Rules.

Determination of Funding

Endeavour Energy Supplied Materials:

NIL

Endeavour Energy Funded and Constructed:

NIL

Endeavour Energy Funded and Customer (ASP L1) Constructed – Reimbursement Paid by Endeavour Energy:

Capital contribution:

- 2x 1500 kVA Transformer only (normal oil filled)
- Spare ducts as required by the Planner in excess of the requirement of MDI0028 and MCI0026.

Reimbursements to be paid to Endeavour Energy by Customer:

Usage of any Endeavour Energy spare ducts.

Customer Funded Non-Contestable Works:

Network switching, substation commissioning, contract inspection

Customer Funded Contestable Works:

Cost difference between the normal oil filled transformer and the K-Class oil or dry type transformer and all other works required.

PAYMENT ADVICE/PRO FORMA TAX INVOICE

ANCILLARY NETWORK SERVICES FEES



ABN 11 247 365 823

Applicant: Starryland NSW
Address: Level 26, 25 Bligh Street
SYDNEY NSW 2000

Project Address: 134-142 Parramatta Road
GRANVILLE ACT

(Your Ref:)

Fees and Charges quoted in this letter are valid for 3 months Endeavour Energy reserves the right to amend the fees and charges at any time subject to any regulatory approval.

The required AER Monopoly fees and charges consist of:-

Standard Connection Offer Fee	26-08-2019	\$266.18
Design Information Fee	26-08-2019	\$3549.26
Design Certification Fee	26-08-2019	\$3549.26
Administration Fee	26-08-2019	\$352.07

Total		\$7716.77
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Total Amount Due: \$ 7716.77 GST inclusive

Please follow the payment instructions below to avoid unnecessary delay in processing your payment.

Endeavour Energy's preferred method of payment is EFT.

BSB: 012-003 Account Number: 8376 89858

Please quote our reference UML9335 in the EFT transaction reference field

Please email a copy of the remittance to remittances@endeavourenergy.com.au

Payment made by cheque will also be accepted.

Credit Cards will not be accepted

Cheque to be made payable to ENDEAVOUR ENERGY

Please attach the cheque with this form and post to:

PO Box 811, SEVEN HILLS NSW 1730

Your Tax Invoice will be forwarded to you upon the receipt of your payment.

PAYMENT ADVICE/PRO FORMA INVOICE
BOND



ABN 11 247 365 823

Applicant (Name) Starryland NSW
Address: Level 26, 25 Bligh Street
SYDNEY NSW 2000

Project Reference: **UML9335**
Project Address: Lot 1,3,1-6, DP 721626,1075357, 134-142 Parramatta
Road
GRANVILLE

PROPERTY TENURE BOND

This Payment Advice is valid for 3 months. Endeavour Energy reserves the right to amend the fees and charges at any time.

Payment Required:-

Property Tenure Bond

\$20000.00

Total Amount Due: \$20000.00 GST exempt

To avoid unnecessary delay in processing your payment, please attach the unconditional bank guarantee or cheque to this form and post to:
PO Box 811, Seven Hills NSW 1730

Please note: Endeavour Energy's preferred method of bond payment is by bank guarantee in favour of Endeavour Energy Network Operator Partnership
ABN 11 247 365 823.

Payment may also be made by cheque payable to ENDEAVOUR ENERGY

EFT & Credit Cards will not be accepted for bond payments.