

26 November 2015

Endeavour Energy Ref: ENL2555 – 2015/09830/001 Customer Ref:

Transelect PO Box 657 UNANDERRA NSW 2526

## **Attention: Nathan Murray**

## ENL2555 – 40 Saddleback Mountain Road, KIAMA

Dear Nathan,

Thank you for your enquiry regarding the proposed residential development at the above address. This enquiry has been registered under our reference numbers – ENL2555. Please quote this number for all future correspondence.

Endeavour Energy acknowledges that proposed development will potentially yield maximum 875 lots. Estimated load maximum demand will be 5,687.5kVA based on ADMD 6.5kVA per lot (approx. 450sq.m and non-gas area). Presently this is only supply enquiry stage and the supply required dates have not determined.

Location	Area (ha)	No of lots	Max demand kVA
Lot 1 DP 707300	16.2	250 - 300	1,950
Lot 5 DP 740252	17.5	275 - 325	2,112.5
Part 101 DP 107617 + Part Lot 102 DP 1077617	13.5	200 -250	1,625
Total	47.2	875 (Max)	5,687.5



Preliminary analysis indicates that the proposed subdivision development is located approximately 3km south of Kiama Zone Substation which would supply the development. At present there is sufficient capacity at Kiama Zone Substation but insufficient distribution (11kV) capacity to support the proposed mature load for up to 875 lots.



## **Possible Supply Arrangements**

Ultimately a 1 x new 11kV feeder will need to be developed from Kiama ZS to support the development. There are no spare feeder CB at Kiama ZS and Endeavour Energy would need to investigate options to facilitate this requirement once a firm commitment is received from the proponent that the development is to proceed. [Note this will involve considerable lead time for design, approval and construction]

At this point in time (November 2015) there is limited capacity available to supply the initial stages (approximately up to 400 lots) in the proposed greenfield development area prior to an additional new 11kV feeder being required. It should be noted that capacity cannot be reserved and the initial lots that can be supplied may be reduced. Therefore, all future firm applications will be assessed at the time the firm applications are received.

Further advice of the preferred development of a new feeder from Kiama ZS will be undertaken when a formal application for load is received.



In order to program this connection, I recommend you to submit appropriated applications and engage the services of a Level 3 ASP to prepare and provide an electrical design to Endeavour Energy in the form of a Proposed Metho of Supply. This activity is customer funded contestable work and you will need to pay for it.

Hope this assists for the meantime and this advice provided is in response to an enquiry only and does not constitute a formal method of supply. An application must be submitted and subsequent designs have been certified or approvals granted will Endeavour Energy reserve capacity on the network.

Should you have any questions regarding this response to your request for technical review, please contact me.

Yours faithfully,

David HD

**David Ho** Contestable Works Project Manager **Network Connections** 

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