



12 April 2011

Anna Johnston
Planning NSW
GPO Box 39
SYDNEY NSW 2001



145 Newcastle Road
Wallsend NSW 2287
All mail to PO Box 487
Newcastle NSW 2300
T +61 2 131 525
www.ausgrid.com.au

Dear Anna,

I refer to your letter of 24 February 2011 addressed to Ausgrid's (formerly EnergyAustralia) Managing Director, George Maltabarow regarding the opportunity for Ausgrid to make a submission regarding the Minmi/Newcastle Link Road Part 3A Concept Plan.

Ausgrid have previously made comment in regards to this proposed development through the proponent's consulting company, Cardno Pty Ltd in December 2010.

A complete assessment of the surrounding sub transmission (33000 volt [33kV] and above) and distribution (11000 [11kV] and 415 volt) network was completed specifically in relation to the proposed development area.

The following advice was provided by relevant sections within Ausgrid:

Zone substation (ZS) capacity (33kV to 11kV) for the development is presently not available. There are preliminary plans for a new ZS in the Cameron Park area during the 2017 - 2019 period which may provide additional capacity for a portion of this development. This new ZS is not a committed project. The location and development of any new ZS and related strategic network projects requires further review to determine final project scope. Any new ZS is also dependent on staging timeframe, final maximum demand of this development and any other developments which may occur in the area.

The existing 11kV network has limited capacity to supply the proposed development. Capacity is expected to be available for initial stages only, up to approximately 1.5MVA of maximum demand. Significant augmentation works will be required to supply the final development. The augmentation works are expected to be significant and may take up to several years from conception to construction. Detailed analysis of the development proposal will be required to determine the exact scope of Ausgrid and developer funded works.

Note: Unrelated Application for Connections from other surrounding developments may have a bearing on these scopes of work.

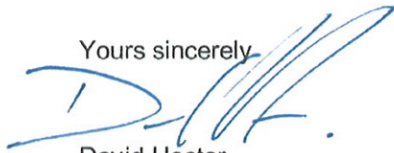
It is envisaged the development will be supplied via underground 11000 volt cables to kiosk substations at multiple locations. Each new kiosk substation will require protection by a registered easement as per Ausgrid's Network Standard 141. Further, underground low voltage (415 volt) distribution network would then be reticulated throughout the development providing connection points to each lot. The underground cables are generally installed in the council road

reserve or covered by an easement if located on private land. This distribution work is Contestable and would be customer / developer funded. Information regarding Contestability and connection to the Ausgrid network can be found in our Electrical Supply Standards, in particular ES10, and Network Standards on our website, www.ausgrid.com.au

If existing Ausgrid assets are found to be located within the development boundaries and located in areas other than council road reserve, these assets will need to be covered by an easement or relocated at the customer / developer's cost. Identification of these assets may require survey identification, or from Dial Before you Dig plans. A property search is advised to be undertaken to identify any easement or property issues.

Should you require any further information or assistance please do not hesitate to contact me at our Wallsend office.

Yours sincerely



David Hector
Engineering Officer
Customer Supply – Planning & Reliability
Ausgrid

Telephone No. (02) 4951 0189

Email Address. dhector@ausgrid.com.au

Facsimile No. (02) 4951 9459

Website. www.ausgrid.com.au

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Your Reference: Minmi/Newcastle Link Road MP10-0090