



6 April 2011

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Dear Anna,

I refer to your letter of 25 February 2011 addressed to Ausgrid's (formerly EnergyAustralia) Managing Director, George Maltabarow regarding the opportunity for Ausgrid to make a submission regarding the Black Hill Employment Lands.

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 from Tarro ZS. Capacity is available at Thornton ZS however there is significant distance and presently no 11kV connectivity to the development area. There are no plans for a new ZS in the immediate area.

The existing 11kV network, feeder 2120 which is located to the north and east of the development site has no spare capacity to supply the proposed development. Capacity is also not presently available from this feeder for the initial construction stages of the development. Augmentation works will be required to supply the staged and total connection of the development. These augmentation works 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.

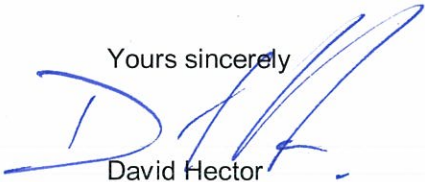
It is envisaged the development will be supplied via underground 11000 volt cables to kiosk substations at multiple locations. Each new kiosk substation will require protection by a registered easement as per Ausgrid's Network Standard 141. Further, underground low voltage (415 volt) distribution network 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

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Letter Reference: DAH 105-11

Your Reference: Black Hill MP10-0093