



PCU057769



2 January 2015

Paul Robilliard
Director, Greenfield Housing
Department of Planning and Environment
GPO Box 39
Sydney NSW 2001

Department of Planning
Received
7 JAN 2015
Scanning Room

Dear Mr Robilliard

AREA 20 PRECINCT AMENDMENTS

Thank you for the opportunity to comment on the amendments to the revised Indicative Layout Plan for Area 20 and State Environmental Planning Policy.

The amendments, including an increase in dwelling numbers from 2500 to 4400, will result in additional demand for electricity. A preliminary assessment of these changes indicates that Area 20 will be able to be supplied from Mungerie Park Zone Substation, located at Commercial Rd Rouse Hill, as per previous advice.

A number of 22kV feeders would need to be established from Mungerie Park ZS across Old Windsor Rd to the development site.

The 132kV lines that traverse through the western part of the precinct and the new Rouse Hill Switching Station located at the corner of Schofields Rd and Cudgegong Rd play a critical role to the supply of electricity to the entire North West Growth Centre. These high capacity lines are located within a 30.4 metre easement and consist of high temperature conductors on steel poles.

These lines have triple the capacity of standard 132kV feeders and any proposed underground relocation will be significantly more expensive than a standard transmission line. Given the importance of these 132kV lines, Endeavour Energy would be disinclined to agree to requests for the relocation or undergrounding of these lines.

The Indicative Layout Plan shows a new railway station to be built adjacent to the Rouse Hill Switching Station on the western side of Cudgegong Rd and a railway line to be built north of the Switching Station where the 132kV lines terminate into the Switching Station.

The design and construction of the railway line, station and associated electrical / traction supplies must take into account safety implications of being in close proximity to Endeavour Energy's electrical infrastructure, particularly the 132kV conductor ground clearances and substation earthing systems.

No building activities will be permitted within the 132kV line easement and the easement corridor will not be permitted to be located in residential backyards where access could be difficult.

Endeavour Energy is committed to providing electrical supply to the Area 20 Precinct in a timely and efficient manner. Should you require any further information please do not hesitate to contact me directly on (02) 9853 5003.

Yours faithfully

A handwritten signature in black ink, appearing to read 'J Lu', with a stylized flourish extending from the end.

Jason Lu

Capacity Planning Manager

Asset and Network Planning

Endeavour Energy