

Goulburn Hospital SSD 8667

Essential Energy

Reply to major projects Goulburn Hospital re-development.

Thank you for your advice in the matter of the redevelopment of the Goulburn Base Hospital.

The existing site Section 46 Lot1 DP 758468 is currently fed off a dedicated 1500 kVA Transformer 21- 21497 supplied from Clinton Street Zone sub 11kV feeder CST5342 Bourke/Citizen street. Existing underground feeding the pad mount transformer is 240mm AL XLPE.

Existing overhead conductor 7/4.50 AAAC on Clifford street.

HV cabling to proposed pad site is to be 240mm AL XLPE

11kV fault levels off pole CE150535 at the Corner of Clifford and Faithful street are as follows;

Phase to Earth - 3828 Amps X/R ratio = 2.56

Phase to phase – 4022 Amps

3 phase - 4645 Amps

I have reviewed the document provided by Wood & Grieve Engineers as part of the Infrastructure Management Plan. Preliminary studies indicate that the proposed additional load may be supplied of Essential Energy's 11kV network but will be subject to further studies once a formal application has been received from the proponents chosen ASP. (Accredited Service Provider)

An 11kV ring main feed supplying the proposed substation site will be required for the critical load giving back up supply in the event of a cable failure. All associated supply works are contestable and a full list of Service Providers is available on <https://www.resourcesandenergy.nsw.gov.au/energy-supply.../contestable-works>.

Please don't hesitate to contact us at Planning.STH@essentialenergy.com.au should you require further information.

We look forward to working with your chosen ASP as we work through the design and construction process.

Kind Regards

Joe Barry

Distribution Network Planning Officer.