

4 July 2023

The Secretary
NSW Department of Planning and Environment

Attention: Shaun Williams

EIS SSD-47320208 PROJECT ECHIDNA DATA CENTRE EASTERN CREEK

Dear Sir or Madam

I refer to the Department's email of 7 June 2023 regarding the exhibition of the Environmental Impact Statement (EIS), for State Significant Development SSD-47320208 Project Echidna Data Centre Eastern Creek for 'The Construction and Operation of a Data Centre with an operational capacity of 35 MW including data hall fitout, associated emergency back-up generators and cooling plant, office space, equipment rooms and car parking' at 10 EASTERN CREEK DRIVE EASTERN CREEK 2766 (Lot 4001 DP 1243178) in the Blacktown City Council Local Government Area (LGA). Submissions need to be made to the Department by 5 July 2023.

Please refer to the Endeavour Energy's previous submissions made to Blacktown City Council on:

- 3 February 2020 to SPP-19-00013 (CNR-3782) for Stage 1 detailed design and Stage 2 concept approval of new data centre located at 10 Eastern Creek Drive / 2 stage development.
- 10 October 2021 to MOD-21-00447 for S4.55(2) - modification to SPP-19-00013 to include a microscale data centre on the site, augmentation of the development staging, reduction in the size of the footprint of the future substation building and provision of 4 additional car parking spaces at the site.
- 13 December 2022 to DA-22-01312 (CNR-48586) for 'Construction of a substation and associated works in line with the Concept Approval issued for the site. The substation is for use by the approved data centre onsite'.

The recommendations and comments provided therein are essentially also applicable to this Development Application.

The Infrastructure Requirements Report Revision 2 dated 17 March 2023 prepared by Arup Australia Pty Ltd indicates in Section 1.1.4 'Development History' that 'It is intended that this SSDA will supersede the existing Concept Design Approval for Stage 2' and includes the following advice regarding whether the electricity services are available and adequate for the proposed development.

5.1.3 Consultation

It is understood the substation proponent has engaged with the relevant stakeholders including Endeavour Energy under a separate Development Application, and that an Offer of Connection has been provided and accepted by the Proponent. Arup have liaised with the substation designers to ensure the electrical maximum demand from this development has been considered as part of the substation design and any required upstream utility augmentation works, noting high voltage electrical works under this proposal will be limited to connecting to the new site substation.

5.1.4 Connection Strategies

Both the existing interim 11kV supply and permanent 132kV supply routes are outside the subject site boundary and will be approved under the utility authority's own permitted development rights. This is being undertaken and coordinated under a separate Development Application.

Endeavour Energy's Asset Planning & Performance Branch have provided the following advice.

Syd55 Data Centre (DC) has interim 4 x 11 kV dedicated twin cable Feeders from North Eastern Creek Zone Substation to the High Voltage Customer (HVC) site (3 as normal supply and 1 as backup).

There will be sufficient capacity from North Eastern Creek Zone Substation to supply the data centre for the interim period. Agreed interim load from email records is 27.48 MVA. The increase in the interim supply demand from 30 MVA to 35MVA as per the EIS has been noted.

All the load will eventually be transferred to the 132 kV Data Centre Zone Substation with overall demand of 80 MVA, which is included in the forecast and modelling for the HVC load.

In short, there is no change to the original planning assessment for the Syd55 DC application and the advice previously provided essentially remains valid.

For further advice the applicant can call Endeavour Energy via Head Office enquiries on business days from 9am - 4:30pm on telephone: 133 718 or (02) 9853 6666 and the following contacts:

- Customer Network Solutions Branch for matters related to the electricity supply or asset relocation who are responsible for managing the conditions of supply with the applicant and their Accredited Service Provider (ASP). Alternatively contact can be made by email cicadmin@endeavourenergy.com.au.

The applicant will need to contact Endeavour Energy's Customer Network Solutions Branch if this Development Application:

- Includes any contestable works projects that are outside of any existing approved / certified works.
- Results in an electricity load that is outside of any existing Supply / Connection Offer requiring the incorporation of the additional load for consideration.
- Easements Officers for matters related to easement management or protected works / assets. Alternatively contact can be made via email Easements@endeavourenergy.com.au.
- Property Branch for matters related to property tenure. Alternatively contact can be made by email network_property@endeavourenergy.com.au (underscore between 'network' and 'property').

- Field Operations Branch for safety advice for building or working near electrical assets in public areas. The site is in the area covered by Kings Park Field Service Centre. Alternatively contact can be made by email Construction.Works@endeavourenergy.com.au .

Should you wish to discuss this matter, or have any questions, please do not hesitate to contact me or the contacts identified above in relation to the various matters. Due to the high number of development application / planning proposal notifications submitted to Endeavour Energy, to ensure a response contact by email to property.development@endeavourenergy.com.au is preferred.

Yours faithfully

Cornelis Duba | Development Application Specialist

M 0455250981

E cornelis.duba@endeavourenergy.com.au

51 Huntingwood Drive, Huntingwood NSW 2148. Dharug Country

endeavourenergy.com.au



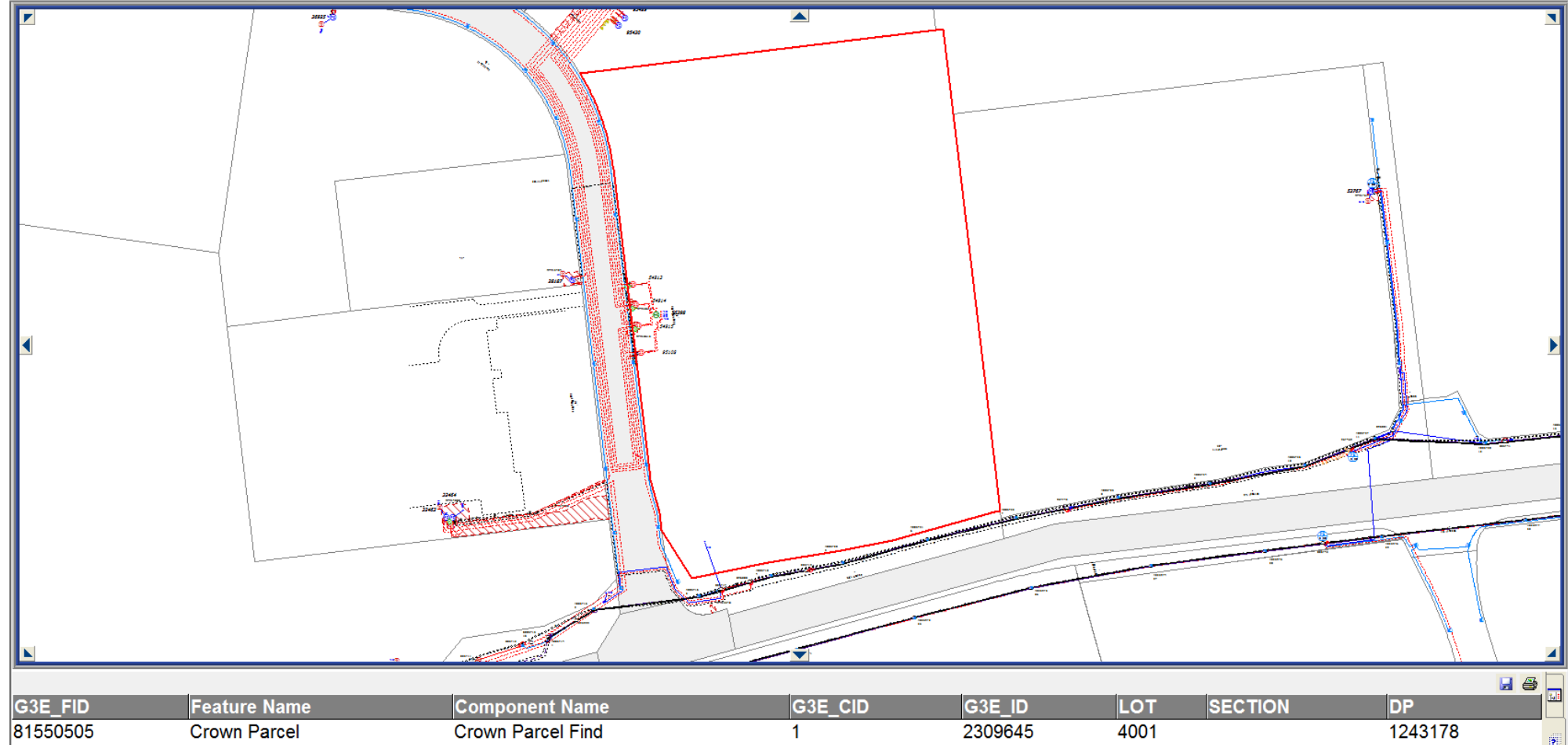
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Energy**

**POWER
together**



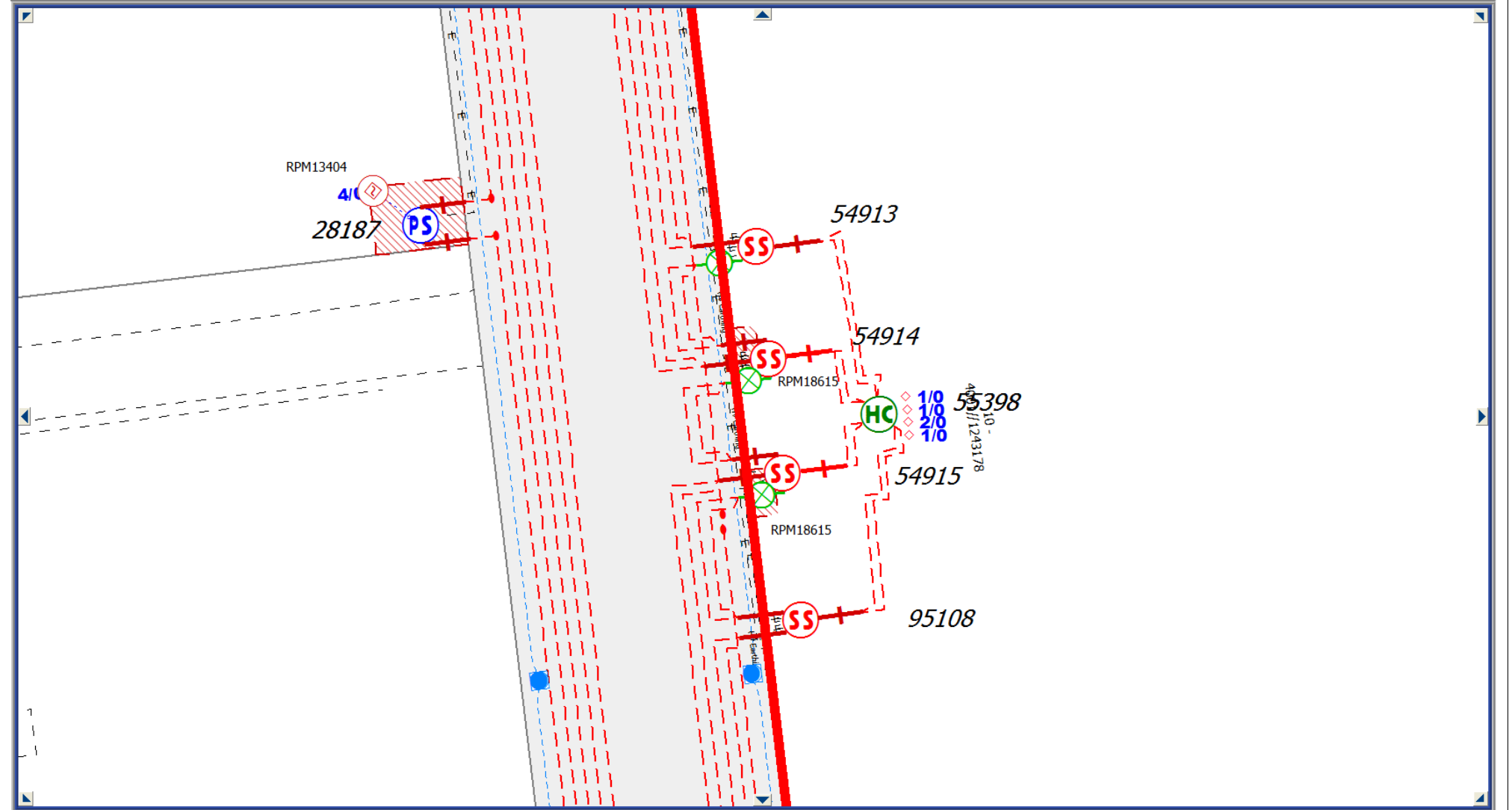
Endeavour Energy respectfully acknowledges the Traditional Custodians on whose lands we live, work, and operate and their Elders past, present and emerging.


























Site Plan from Endeavour Energy's G/Net Master Facility Model



Please note the location, extent and type of any electricity infrastructure, boundaries etc. shown on the plan is indicative only. In addition it must be recognised that the electricity network is constantly extended, augmented and modified and there is a delay from the completion and commissioning of these works until their capture in the model. Easements benefitting Endeavour Energy are indicated by red hatching. Generally (depending on the scale and/or features selected), low voltage (normally not exceeding 1,000 volts) is indicated by blue lines and high voltage (normally exceeding 1,000 volts but for Endeavour Energy's network not exceeding 132,000 volts / 132 kV) by red lines (these lines can appear as solid or dashed and where there are multiple lines / cables only the higher voltage may be shown). This plan only shows the Endeavour Energy network and does not show electricity infrastructure belonging to other authorities or customers owned electrical equipment beyond the customer connection point / point of supply to the property. This plan does not constitute the provision of information on underground electricity power lines by network operators under Part 5E 'Protection of underground electricity power lines' of the *Electricity Supply Act 1995* (NSW).

Site Plan from Endeavour Energy's G/Net Master Facility Model



LEGEND	
	Padmount substation
	Indoor substation
	Ground substation
	Kiosk substation
	Cottage substation
	Pole mounted substation
	High voltage customer substation
	Metering unit
	Switch station
	Indoor switch station
	Voltage regulator
	Customer connection point
	Low voltage pillar
	Streetlight column
	Life support customer
	Tower
	Pole
	Pole with streetlight
	Customer owned / private pole
	Cable pit
	Load break switch
	Recloser
	Proposed removed
	Easement
	Subject site