

22 May 2024

The Secretary
NSW Department of Planning, Housing and Infrastructure

Attention: Pamela Morales

**SSD-58591961 BUILDING 2 ADVANCED MANUFACTURING RESEARCH FACILITY,
BRADFIELD**

Dear Sir or Madam

I refer to the Department's email of 17 May 2024 regarding the Environmental Impact Statement (EIS) for State Significant Development SSD-58591961 Building 2 Advanced Manufacturing Research Facility, Bradfield for 'Construction and operation of an advanced manufacturing research facility within the Bradfield City Centre with associated car parking and landscaping' at 215 Badgerys Creek Road, Bradfield (Lot 101 DP 1282949) in the Liverpool City Council local government area (LGA). Submissions need to be made to the Department by 17 June 2024.

Please refer to Endeavour Energy's submission made to the Department on 23 May 2023 regarding the request for Secretary's Environmental Assessment Requirements (SEARs) for SSD-58591961. The conditions and advice provided therein essentially still remain applicable.

The EIS includes the following advice addressing whether the available electricity services are adequate for the proposed development.

Utility Services

The site is not currently serviced by existing authority or private potable water, recycled water, sewer, electricity or communications infrastructure. However, provisions have been made to provide these services to the Bradfield City Centre via a separate planning pathway (REF under Part 5 of the Environmental Planning and Assessment Act 1979 Act as described in **Section 1.6** of this EIS) to which AMRF2 will connect (see **Section 1.6** of this EIS). Utility connection requirements are detailed in **Section 6.13** of this EIS and in the Infrastructure Servicing Report at **Appendix T**.

The Infrastructure Servicing Strategy prepared by Arup dated 8 December 2023

4.4 Incoming Power Supply

Preliminary enquiry application to be submitted to power supply authority (Endeavour Energy) to understand the method of supply to the proposed building and any HV network augmentation requirements. Application process will be coordinated with Level 3 Accredited services Provider (ASP) consultant. We are in the process of engaging a Level 3 ASP for the project to liaise with local power supply authority (Endeavour Energy) and to initiate the design and certification process for proposed chamber substation design.

It is proposed to install 3 numbers 1500kVA transformers in a chamber substation located on the Lower ground floor level adjacent to proposed eastern services road in accordance with Endeavour energy standard requirements. Proposed chamber substation to be connected to the proposed Bradfield city under ground HV network. Exact point of connection to be confirmed with the ASP Level 3 consultant.

From the below copy of the General Arrangement Plan Level 1 it appears to show the provision for the chamber / indoor substation (Sub-Fab) within Building 2. From Endeavour Energy's perspective the fact that provision is being made for an indoor substation is a positive. Endeavour Energy's general requirements is for an indoor substation to be at ground level and have direct access from a public street.

The applicant will need to complete the application for connection of load process with Endeavour Energy's Customer Network Solutions Branch who are responsible for managing the conditions of supply with the applicant and their Accredited Service Provider (ASP).

Any required distribution substation/s will need to be located within the property (in a suitable and accessible location) and be protected (including any associated cabling not located within a public road / reserve) with an appropriate form of property tenure as detailed in the attached copy of Endeavour Energy's 'Land Interest Guidelines For Network Connection'.

Generally it is the Level 3 Accredited Service Provider's (ASP) responsibility (engaged by the developer) to make sure substation location and design complies with Endeavour Energy's standards the suitability of access, safety clearances, fire ratings, flooding etc. If the substation does not comply with Endeavour Energy's standards, the applicant must request a dispensation. For further information please also refer to the attached copy of Endeavour Energy's Mains Design Instruction MDI 0044 'Easements and Property Tenure Rights'.

For the biosolar roof and photovoltaic array, Endeavour Energy allows connection of up to 8 kilowatts (kW) total panels to a 5 kW inverter or up to 40 kW total panels to a 30 kW inverter. If the applicant's connection requirements are other than these, an application for a micro embedded generator connection service will be required.

Regarding State Environmental Planning Policy (Resilience and Hazards) 2021, electricity infrastructure is not regarded as a sensitive land use in the traditional / environmental sense, but if the electricity infrastructure on or in proximity of the site (which also may be a potential ignition source) is damaged, the resulting outage could leave many properties / customers without power. Irrespective of the class / division and the quantities, any dangerous goods whether combustible and / or flammable should not be stored near electricity infrastructure and increasing the separation distance as far as reasonably possible is recommended.

Based on and subject to the foregoing Endeavour Energy has no objection to the State Significant Development.

Please find attached for the applicant's reference a copy of Endeavour Energy's Standard Conditions for Development Applications and Planning Proposals, Version 9, August 2023 which provides some additional and updated information. For further advice the applicant can call Endeavour Energy via Head Office enquiries on business days from 9am - 4:30pm on telephone: 133 718 and the following contacts:

- Customer Network Solutions Branch for matters related to the electricity supply or asset removal / relocation). Alternatively contact can be made by email CWAdmin@endeavourenergy.com.au .
- Easements Officers for matters related to easement management, protected works or other forms of property tenure / interests. Alternatively contact can be made by 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 Narellan 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 or in Endeavour Energy's submission to the request for SEARs 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

Level 40-42, 8 Parramatta Square, 10 Darcy Street
Parramatta NSW 2150.

Dharug/Wiradjuri/Dharawal/Gundungurra/Yuin Country

endeavourenergy.com.au |    



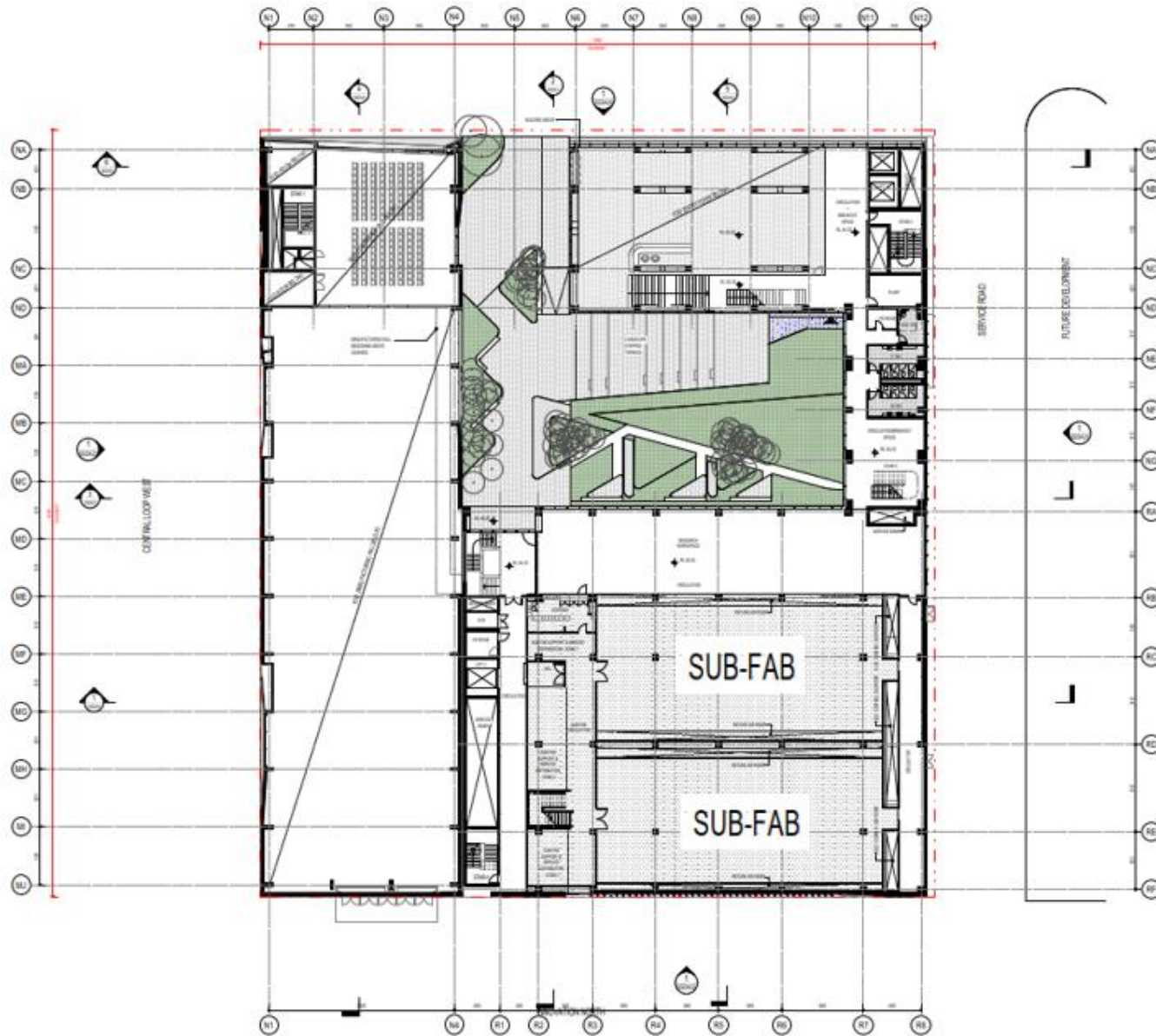
**Endeavour
Energy**

**POWER
together**



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

General Arrangement Plan Ground Floor



***www.ck12.org**

Archives Australia Pty Ltd is the owner of the copyright subsisting in these images, labels, designs and specifications. They must be used in accordance with, in whole or in part, any way the information, data and concepts, from our website and contributed to Archives Australia Pty Ltd be disclosed in any format without the prior written consent of the company.

Copyright © 2008
 The McGraw-Hill Companies

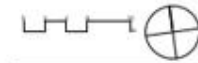
Do not scale drawings. Verify all dimensions are size

1000000

[illegible]

NCTE

© 2004 The Authors
Journal compilation © 2004 Blackwell Publishing Ltd

Western Parkland City
Authority

architectus™

Address: 20000 Highway 101
 Suite 100
 San Diego, CA 92128
 Phone: 619 444 0000
 Fax: 619 444 0001
 Email: info@solidstate.com
 Website: www.solidstate.com

Celebrating 100 Years **Allen Sage**

Lutz Preuss, President

FULL SCALE AMRF
BUILDING 2

Strong

GENERAL ARRANGEMENT PLANS LEVEL 1

1-200-241
 AR-SSDA14

Accepted	05/07	
Completed	02/09	2