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TRIM Doc. No: D25/63244
Contact: Station Officer Richard Jay

6 June 2025

ROHAN JOHNSTON
Junee Shire Council
PO Box 93
JUNEE NSW 2663

Dear Rohan,

Re: Advice on Environmental Impact Statement (EIS) – JUNEE/MARINNA SOLAR FARM BATTERY ENERGY STORAGE SYSTEM 346 OLD SYDNEY ROAD, MARINNA (DA2025/18)

Fire and Rescue NSW (FRNSW) acknowledge correspondence received on 21 May 2025, requesting advice on the EIS for JUNEE/MARINNA SOLAR FARM BATTERY ENERGY STORAGE SYSTEM 346 OLD SYDNEY ROAD, MARINNA (DA2025/18). FRNSW have reviewed the EIS with particular focus to Section 6.1, Hazards and Risks, as well as the Preliminary Hazards Analysis (PHA).

The EIS details a 17.6MW/35.2MWH Battery Energy Storage System (BESS). It has been the experience of FRNSW that BESS Facilities present special problems of fighting fire and suitable additional provisions are likely to be required in accordance with E1D17 and E2D21 of the National Construction Code 2022¹. FRNSW therefore recommend the following conditions:

1. Prior to construction a Fire Safety Study (FSS) is developed in accordance with the requirements of the Hazardous Industry Planning Advisory Paper (HIPAP) No.2² and submitted to FRNSW for review.
 - The FSS is to be used to inform the design and as such it is FRNSW Position³ that the FSS be developed to the satisfaction of FRNSW prior to any further submission being made to FRNSW; this includes: an Initial Fire Safety Report (IFSR) and / or Performance-Based Design Brief / Fire Engineering Brief Questionnaire (FEBQ).
 - The FSS should be prepared consistent with the FRNSW Fire Safety Guideline Technical Information – Large scale external lithium-ion battery energy storage systems – Fire safety study considerations⁴.
2. Prior to occupation or commissioning an Emergency Plan (EP) is developed for the site in accordance with HIPAP No.1⁵.
3. Prior to occupation or commissioning an Emergency Services Information Package (ESIP) is developed for the site in accordance with FRNSW fire safety guideline – Emergency services information package and tactical fire plans⁶.

Project proponents undertaking the FSS are to engage directly with FRNSW by submitting all correspondence electronically to FireSafety@fire.nsw.gov.au and reference FRNSW file number FRN25/1595. Further information regarding FRNSW Meetings⁷ and FRNSW Written Reports⁸ can be found at the FRNSW Building Fire Safety Industry Portal⁹.

Yours sincerely,



A/Superintendent Luke Loseby
Manager
Fire Safety Liaison Unit

Cc: rjohnston@june.nsw.gov.au

¹ <https://ncc.abcb.gov.au/editions/ncc-2022>

² <https://www.planning.nsw.gov.au/sites/default/files/2023-03/hazardous-and-offensive-planning-advisory-paper-no-2-fire-safety-study-guidelines.pdf>

³ <https://www.fire.nsw.gov.au/page.php?id=9447&position=51>

⁴ <https://www.fire.nsw.gov.au/gallery/files/pdf/guidelines/Tech%20info%20sheet%20-%20Large-scale%20external%20LIBESS%20-%20Fire%20safety%20study%20considerations.pdf>

⁵ <https://www.planning.nsw.gov.au/sites/default/files/2023-03/hazardous-industry-planning-advisory-paper-no-1-emergency-planning.pdf>

⁶ <https://www.fire.nsw.gov.au/gallery/files/pdf/guidelines/03%20Emergency%20services%20information%20package%20and%20tactical%20fire%20plans.pdf>

⁷ <https://www.fire.nsw.gov.au/page.php?id=9193>

⁸ <https://www.fire.nsw.gov.au/page.php?id=9156>

⁹ <https://www.fire.nsw.gov.au/page.php?id=9140>