

Our ref: MP07_0124-PA-74 and MP07_0124-PA-75

Mr Ian Black
Tallawarra B Project Director
EnergyAustralia Pty Ltd (EnergyAustralia)

22 December 2023

Subject: Tallawarra B Power Station Project (MP07_0124) - Aviation Impact Assessment

Dear Mr Black

I refer to the following additional information provided by EnergyAustralia in response to the Department of Planning and Environment (the Department)'s conditional approval of the Aviation Impact Assessment dated 12 May 2023, which was based on the final design (Version 3B) of the Tallawarra B Power Station Project (the project) to satisfy condition 1.6 of the project approval:

- Plume Validation Monitoring Program, prepared by EnergyAustralia (3 November 2023);
- Tallawarra B Plume Dispersion Device – Engagement Summary Report, prepared by EnergyAustralia (20 October 2023); and
- Updated aviation mitigation activities, prepared by Aviation Projects (9 October 2023).

The Department consulted with the Civil Aviation Safety Authority (CASA) (**Attachment A:** dated 14 November 2023 and 22 November 2023), and received the following advice:

- the project's mitigation measures should include a re-assessment of the plume symbol on the aeronautical charts, as the implemented mitigations measures relating to plume symbol were based on the peak plume velocity occurring at 700 ft AMDL, whilst the project's Version 3B design would result in the peak plume velocity occurring at higher altitudes;
- the plume validation monitoring program should cover a range of scenarios, including cold weather periods when calm winds prevail; and
- an aerodrome frequency response unit (AFRU) should be implemented as an automatic alerting system when the project is operational instead of the manual option involving communications between staff of EnergyAustralia and Shellharbour Airport. CASA also noted that the aerodrome already has an AFRU and that this implementation can be completed within two months.

The Department has carefully reviewed the above listed information as well as the 'Tallawarra B Power Station – Plume Symbol Amendment' report, prepared by Aviation Projects (Attachment B: 22 December 2023), which was submitted to the Department in response to CASA's comments.

Consistent with the Department's conditional approvals of the Aviation Impact Assessment for the project (dated 17 September 2021 and 12 May 2023), the Department considers that the project's Version 3B design satisfies condition 1.6 of the project approval, subject to EnergyAustralia providing the following information as soon as practical and by no later than 1 April 2024, to the satisfaction of the Planning Secretary:

- a revised Plume Validation Monitoring Program, incorporating a trigger-action-response plan and in-plume velocity monitoring during a range of meteorological conditions and heights, including the worst-case scenario of cold weather and calm wind conditions;
- evidence of implementation of the AFRU; and
- evidence of an amendment to the plume symbol on aeronautical charts in accordance with the recommendations of the 'Tallawarra B Power Station – Plume Symbol Amendment' report, prepared by Aviation Projects (22 December 2023).

You are reminded that if there are any inconsistencies between this approval and the conditions of project approval, the conditions prevail.

Please ensure you make the relevant documents publicly available on the project website at the earliest convenience.

If you wish to discuss the matter further, please contact Mandana Mazaheri at Mandana.Mazaheri@planning.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to be 'SOD'.

Stephen O'Donoghue
Director
Resource Assessments
as nominee of the Planning Secretary