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Kurtis Wathen
Environmental Assessment Officer
Energy Assessments
Department of Planning and Environment

Via Major Projects Planning Portal

EPA Advice on Environmental Impact Statement – Yanco Delta Wind Farm

Dear Kurtis

Thank you for the notification about Public Authority Consultation No. PAE-50918217 requesting advice from the NSW Environment Protection Authority (EPA) about the Environmental Impact Statement (EIS) prepared for the Yanco Delta Wind Farm (SSD-41743746) located 10 to 40 kilometres north-west of Jerilderie.

The EPA has reviewed the following document and its Appendices:

- Yanco Delta Wind Farm, EIS – Nikki Wallace, Jacobs Group (Australia) Pty Ltd – 7 November 2022.

The EPA understands the proposal is to construct up to 208 wind turbine generators with a maximum height of 270m (the blade tip) over 1,427 hectares of land which will have an electricity generating capacity of 1500 megawatts. Ancillary infrastructure would include a battery energy storage system, operations and maintenance facilities, cabling & substations and temporary facilities such as gravel pits, concrete batch plants, accommodation compounds and machinery laydown areas.

We note that the EIS does not predict any adverse environmental impacts on surrounding receptors not associated with the proposal.

Based on the information provided, if the proposal is given development consent the wind farm will require an environment protection licence under sections 43, 47, 55 and/or 122 of the Protection of the Environment Operations Act 1997 (POEO Act) for electricity generation clause 17 of Schedule 1 of the POEO Act.

The EPA has the following additional comments:

1. Matters to be addressed prior to determination

- a. Section 3.9 (Wind turbine noise inventory) at Table 3-7 of the *Technical Report – Noise and Vibration* presents sound power levels (db(A)) for a wind turbine generator at nominated wind speeds and that the noise octave spectra presented was based on the noise emission spectrum at a wind speed of 12 m/s. Could the applicant detail where the 12 m/s data was sourced and confirm the distance from the turbine the sound

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power level has been calculated. Additionally confirmation is required that the type of turbine to be used operationally is what the modelling is based on.

- b. Confirmation that at wind speeds >13 m/s there is a management tool to ensure the blade speed does not increase (resulting in additional noise impacts to those predicted).

2. Matters to be addressed with conditions

No conditions are recommended.

The EPA will formulate separate conditions for the environment protection licence to be issued for this project based on the information presented in the EIS and its appendices.

If you have any further enquiries about this matter please contact me by telephoning 02 6969 0705 or by electronic mail at info@epa.nsw.gov.au.

Yours sincerely



JASON PRICE

Unit Head

Regulatory Operations

NSW Environment Protection Authority