

Monday, 15 June 2026

Project number: M240298
Reference: M240298LT2

Ansuya Bhat
Aurecon
Level 8/850 Collins St, Docklands VIC 3008

Dear Ansuya,

**Meering West Wind Farm
Supplementary Cumulative Noise Assessment**

**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**

1 Introduction

Meering West Wind Farm Pty Ltd (MWWF) is proposing development of the Meering West Wind Farm (the Project), a wind energy project to be located within the Murray Renewable Energy Zone at a site approximately 25 km south west of Kerang, Victoria. The Project is proposed to consist of up to 164 wind turbines. The wind energy component will be supported by ancillary infrastructure comprising of collector stations, transmission infrastructure and a Battery Energy Storage System (BESS) of approximately 1000 MWh.

Resonate prepared a Pre-Construction Predictive Noise Assessment¹ for the Project, initially prepared in September 2025 with a revision issued on 23 April 2026 to address a minor wind turbine layout and parameter update. The Pre-Construction Predictive Noise Assessment was accompanied by an EPA-appointed auditor verification by Bajwa Enviro Consult.²

The Department of Transport and Planning (DTP) has requested a supplementary cumulative noise assessment be conducted considering both the Project and the proposed Normanville Energy Park, located to the north of the Project site. The Normanville Energy Park would comprise of 17 wind turbines and a transformer station. Public notice of the Normanville Energy Park Planning Permit Application was issued on 17 February 2026.

An environmental noise assessment³ for the Normanville Energy Park was included as part of the Planning Permit Application. The noise assessment was based on the Vestas V172-7.2MW wind turbine as a candidate wind turbine, the same wind turbine model on which the Project Pre-Construction Predictive Noise Assessment was based.

This letter presents the outcomes of a cumulative assessment of the Project and the Normanville Energy Park and assesses whether cumulative noise levels can comply with the prescribed noise limits under the *Environment Protection Regulations* (EP Regulations).

**ADVERTISED
PLAN**

¹ Resonate, 23 April 2026, *Meering West Wind Farm – Pre-Construction Predictive Noise Assessment*, M240298RP1E

² Bajwa Enviro Consult, 28 May 2026, *Addendum to Auditor Verification of Pre-Construction Predictive Noise Assessment – Meering West Wind Farm*

³ Marshall Day Acoustics, 12 May 2025, *Normanville Energy Park – Environmental Noise Assessment*, Rp 001 R03 20221016

2 Noise limits

As per the Project Pre-Construction Predictive Noise Assessment, noise limits for non-involved noise-sensitive locations are 40 dB L_{A90} as set out under the EP Regulations and New Zealand Standard (NZS) 6808:2010 *Acoustics – Wind farm noise*. This noise limit must be achieved cumulatively by all wind farms without an agreement in place with the noise-sensitive locations.

For locations that have a noise agreement in place with either MWWF or the proponent of the Normanville Energy Park, noise levels should remain below 45 dB L_{A90} for the wind farm with which the agreement is in place. This will mean that different effective noise limits apply when considering cumulative noise from both wind farms, one with an agreement with the landowner and one without. For these landowners, the following approach has been adopted here:

- The wind farm with an agreement in place should result in noise levels no higher than 45 dB L_{A90} at the involved landowner location when assessed in isolation. This was assessed as part of the noise assessment for each individual wind farm and is not addressed in this assessment.
- The wind farm with an agreement in place should result in noise levels no higher than 40 dB L_{A90} at the involved landowner location (involved with the other wind farm) when assessed in isolation. This was also assessed as part of the noise assessment for each individual wind farm and is not addressed in this assessment.
- The cumulative noise from both wind farms should be no higher than 45 dB L_{A90} . Predicted compliance with this requirement is assessed within this letter.

3 Prediction methodology

Wind turbine noise levels have been predicted as per the prediction methodology documented in the Project Pre-Construction Predictive Noise Assessment.

The Normanville Energy Park wind turbines were added to the noise model at a hub height of 150 m above ground level and based on the coordinates documented in the Normanville Energy Park environmental noise assessment. The maximum manufacturer-specified sound power level for any hub height wind speed of 107.8 dB L_{WA} for the Vestas V172-7.2MW (as documented in the Project Pre-Construction Predictive Noise Assessment) was applied to the wind turbines. It is noted that a different sound power level was adopted for the Normanville Energy Park environmental noise assessment, however this appeared to be based on an earlier version of the Vestas V172-7.2MW specification (dated 30 June 2022) compared to the Vestas V172-7.2MW specification used for the Project (dated 5 November 2024).

4 Predicted wind turbine noise levels

Table 1 presents the predicted wind turbine noise levels for noise-sensitive locations and involved stakeholder dwellings of either wind farm that are within the predicted 35 dB L_{A90} cumulative noise contour from Meering West Wind Farm and Normanville Energy Park. The predicted noise levels represent the situation with the wind turbines at both wind farms operating at their maximum specified sound power levels.

It can be seen that the predicted cumulative noise levels are below the minimum applicable noise limit or target for all locations. The highest predicted cumulative noise level at any noise-sensitive location without involvement with either proposed wind farm is 38 dB L_{A90} .

A predicted cumulative noise contour map with the wind turbines at both Meering West Wind Farm and Normanville Energy Park operating at their maximum sound power levels is included in Appendix A.

Table 1 Predicted wind turbine noise levels at dwellings within 35 dB L_{A90} cumulative noise contour

Project ID (Normanville ID)	Status	Predicted cumulative noise level, dB L _{A90}	Minimum noise limit / target, dB L _{A90}	Compliant?
7 (AD32-a)	Noise-sensitive location	38	40	✓
28 (AH29-a)	Noise-sensitive location	37	40	✓
30 (AA29-a & AA29-b)	Noise-sensitive location	36	40	✓
49 (AC26-a)	Noise-sensitive location	38	40	✓
51	Noise-sensitive location	38	40	✓
52 (AD26-a)	Noise-sensitive location	38	40	✓
62 (AB25-a)	Noise-sensitive location	38	40	✓
63 (AB25-a)	Noise-sensitive location	38	40	✓
64 (AD25-b)	Noise-sensitive location	38	40	✓
65	Noise-sensitive location	36	40	✓
92	Noise-sensitive location	35	40	✓
93	Noise-sensitive location	35	40	✓
50 (AH26-b)	Involved stakeholder (Meering West)	39	45	✓
53 (Y26-a)	Involved stakeholder (Meering West)	38	45	✓
69 (AB24-a, AB24-j & AB24-k)	Involved stakeholder (Meering West)	41	45	✓
80	Involved stakeholder (Meering West)	44	45	✓
100	Involved stakeholder (Meering West)	43	45	✓
101 ¹	Involved stakeholder (Meering West)	42	45	✓
105	Involved stakeholder (Meering West)	41	45	✓
108	Involved stakeholder (Meering West)	43	45	✓
115	Involved stakeholder (Meering West)	37	45	✓
117	Involved stakeholder (Meering West)	44	45	✓
121	Involved stakeholder (Meering West)	42	45	✓
126	Involved stakeholder (Meering West)	40	45	✓
127	Involved stakeholder (Meering West)	40	45	✓
137	Involved stakeholder (Meering West)	35	45	✓
139	Involved stakeholder (Meering West)	36	45	✓
143	Involved stakeholder (Meering West)	36	45	✓
146	Involved stakeholder (Meering West)	35	45	✓

Project ID (Normanville ID)	Status	Predicted cumulative noise level, dB L _{A90}	Minimum noise limit / target, dB L _{A90}	Compliant?
17 (AA30-a)	Involved stakeholder (Normanville)	40	45	✓
18 (AA30-ab)	Involved stakeholder (Normanville)	39	45	✓
21 (AF30-a)	Involved stakeholder (Normanville)	39	45	✓
23 (AE30-a)	Involved stakeholder (Normanville)	42	45	✓
25 (AD30-a)	Involved stakeholder (Normanville)	42	45	✓
26 (AD30-a)	Involved stakeholder (Normanville)	42	45	✓

5 Ancillary infrastructure noise

The Project Pre-Construction Predictive Noise Assessment considered a transformer and BESS, with two siting options (Option 1A and Option 1B) assessed. Based on the Normanville Energy Park environmental noise assessment, it is understood that project would involve a transformer station that is located more than 3 km north of the proposed Normanville Energy Park wind turbines. Ancillary infrastructure noise from each individual project was assessed as being capable of complying with the applicable noise limits in the respective noise assessment reports.

When considering the risk of cumulative noise from ancillary infrastructure, it is noted that the sites are located a significant distance apart. Of the two Project ancillary infrastructure options, Option 1A is the northernmost option and closest to Normanville Energy Park. While it is the closest of the two options, Option 1A is located over 15 km from the proposed Normanville Energy Park transformer station site. At this distance, there is negligible risk associated with cumulative ancillary infrastructure noise.

6 Conclusion

Based on the supplementary assessment of cumulative noise from the Project and Normanville Energy Park, it is considered that cumulative noise from both proposed developments will be able to comply with the prescribed noise limits under the EP Regulations.

Please let me know if you have any queries or wish to discuss the above.

Yours sincerely,



Tom Evans
Managing Director
p +61 3 9020 3888
m +61 421 279 929
tom.evans@resonate-consultants.com

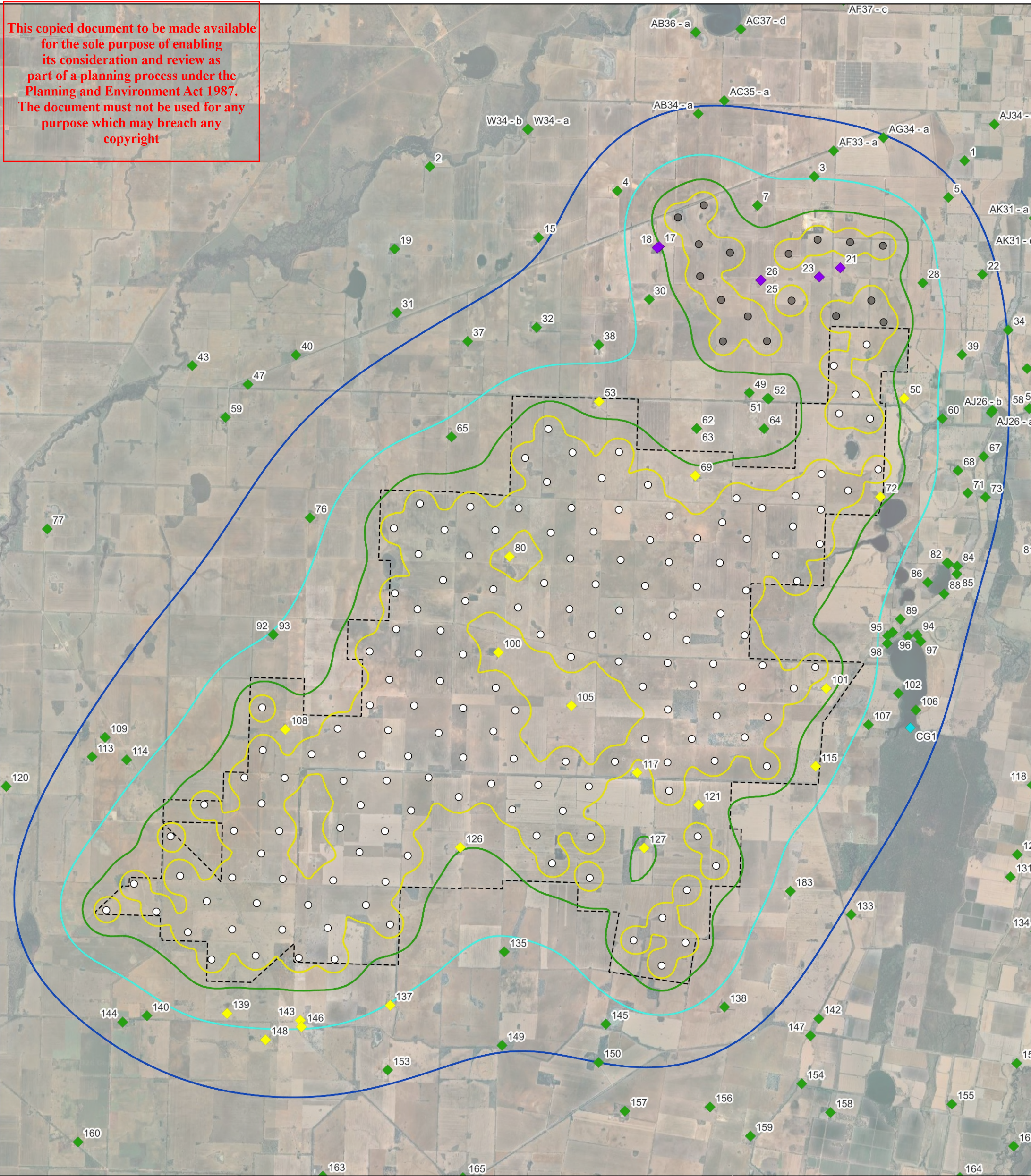
**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**

Appendix A—Cumulative wind turbine noise contour map

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



MEERING WEST WIND FARM
Meering West, VIC
Figure A1: Predicted cumulative wind turbine noise levels with Normanville Energy Park

PROJECT NUMBER M240298
DRAWN BY TE
DATE June 2026
CLIENT Aurecon
AERIAL IMAGERY (c) Google

Legend

- Project area
- Project WTG
- Normanville Energy Park Wind Turbine
- Predicted wind turbine noise level, dB LA90
 - 30 dB
 - 35 dB
 - 40 dB
 - 45 dB
- Dwelling
 - Involved (Meering West)
 - Involved (Normanville)
 - Noise-Sensitive Location

ADVERTISED PLAN

0 2 4 6 km

Datum GDA20 MGA Zone 54

Resonate