

23 December 20254

Selwyn District Council  
2 Norman Kirk Drive  
Rolleston 7643

**Attention: Jane Anderson**

Dear Jane

**RC245971 DUNSANDEL SOLAR FARM – NOISE PEER REVIEW**

Selwyn District Council has requested that Marshall Day Acoustics carry out a peer review of the noise assessment provided in support of the Section 127 consent variation to the solar farm at 627 Old South Road, Dunsandel (the site). (We previously provided a noise peer review of the original application RC225158).

Our review is based on the following documents:

1. *Dunsandel Solar Farm (Section 127 Variation)* – Mitchell Daysh Ltd – 13 November 2024; and
2. Appendix 5: Acoustic Engineering Services (AES) noise assessment – 25 October 2024

**Key points of this assessment**

1. AES proposes that the consented noise limits of 50 and 40 dB  $L_{Aeq}$  be retained for the proposal, and we agree this is appropriate. We note these limits are more stringent than the current Partially Operative District Plan permitted activity noise limits that apply at adjacent dwellings, and therefore offer residents greater protection against noise.
2. AES's noise predictions, based on manufacturer's equipment data, align with our previous experience and industry standards. Their predicted noise levels are plausible.
3. Given that the predicted noise levels are below 40 dB  $L_{Aeq}$  at all times, we consider that operational noise effects will be minimal in the context of the rural receiving environment.
4. As with AES's 2022 assessment, the potential noise effects at future dwellings are not considered. However, we are satisfied that the wording in Condition 36 will require the Applicant to comply with the noise limits at future dwellings, should these be constructed.
5. Based on our review, we conclude that the proposed changes will not increase noise effects beyond those anticipated under the current consent.

Please contact us with any queries.

Yours faithfully

**MARSHALL DAY ACOUSTICS LIMITED**



**Jon Farren**  
**Principal**