

12 November 2024

Our reference: RC245775

*Darfield Solar and Energy Storage Ltd
c/- Mitchell Daysh Limited*

Sent via email: Andrew.brown@mitchelldaysh.co.nz

Dear Andrew

s92 - Request for Further Information

I have reviewed your resource consent application **RC245775** to construct, operate and maintain a solar farm and battery energy storage facility. More information is needed so that I can better understand your proposal and its potential effects.

Further information

In accordance with section 92(1) of the Resource Management Act 1991, I request the following information:

Part A

Transport

Abley Limited have been engaged to provide a peer review of the transport assessment. A copy of Abley's request for further information is attached as **Appendix 1**. In summary:

1. Please provide further information regarding the assessment of the right hand turns at the S73 / Homebush Road intersection, including
 - a. Please clarify why 80 vehicles per hour has been assumed as the maximum threshold for right hand turns
 - b. Whether minor works are required to enable a through vehicle to safely pass a right-turning vehicle in the live land
2. Please provide correspondence from NZTA that demonstrates support for the proposed mitigation measures at the intersection during construction
3. Please provide a copy of the LCSIA and correspondence with KiwiRail regarding the recommendations of the LCSIA

4. Please provide an updated Glare Assessment report that demonstrates the extent to which the proposed boundary plantings mitigate glare effects on public roads and comment on how glare effects may create road safety effect prior to the plantings reaching a 2 – 3m height.

Additional Comments

It is noted that the Plans provided do not appear to identify an intended parking area. It is considered likely that there will be sufficient space on site to accommodate this. However, please note that additional consents may be required if the future parking area does not comply with the Partially Operative District Plan.

In order to maintain the existing agricultural activities on site, it is anticipated that vehicles with agricultural implements (such as mowers, balers, drills and sprayers) may be required. In the event that agricultural implements will be required, the applicant may wish to consider the proposed setback of the solar array from internal and road boundaries and whether there is sufficient space for manoeuvring.

Landscape

Novo Group Ltd have been engaged to provide a peer review of the landscape and visual assessments. Ms Anne Wilkins has reviewed the information and provided a request for further information (attached as **Appendix 2**). Additionally, Ms Wilkins' has requested the following information:

5. Please confirm the height / sizing of the warehouse and administration building
6. Please confirm the anticipated standardised angle and subsequent height of the solar panel array that can be expected for most of the time (i.e. a 3m height for 90% of the time, 50/50 change ratio or otherwise)

Ecology

Wildland Consultants have been engaged to provide a peer review of the ecological assessment. They have provided the following feedback and requested additional information:

Vegetation matters

No vascular plant species list, or vegetation habitat descriptions are provided in the ecology report. A vegetation species list and descriptions of the habitats are required to assess the ecological values of the site including the values for indigenous fauna (e.g. lizards and birds). We recommended the applicant provides a complete vegetation species list (as an appendix) and descriptions of the habitats present, following a standard methodology (e.g. Atkinson 1985 structure class).

7. Please provide a complete vegetation species list and descriptions of the habitats present

Avifauna matters

Avifauna survey results are limited to birds with conservation status (e.g a national level threat ranking). However, all indigenous and some introduced birds are protected under the Wildlife Act and need to be considered in the effects assessment. We recommended the applicant provides the full list of bird species found in the desktop survey, regardless of Wildlife Act matters (this could be included as an appendix), and an assessment of the likelihood of having been present at the site.

8. Please provide a full list of bird species found in the desktop survey and an assessment of the likelihood of these species being present at the site.

Freshwater matters

It would be unusual for a water race network on private land, that is not protected as freshwater habitat, to have a representative number of NZFFD or other database records.

One composite eDNA sample was taken from the watercourse within the site that held sufficient surface water to provide an indication as to the fish species present and assist with the assessment of ecological values. This is not an appropriate method to assess the indigenous fauna that may be utilising the race as habitat (e.g., longfin eel). The applicant used environmental DNA (eDNA) following Wilderlab's protocols for collection and preservation. However, a single composite sample is not able to reflect a watercourse's biodiversity (Smith et al. 2024). Environmental DNA has significant limitations to its use, especially when used incorrectly, and is not intended to replace conventional fish survey methods (NIWA 2023, Cawthron 2020). Therefore, it is recommended that the applicant provide results from fish surveys (either as a standalone methodology), or in combination with eDNA metabarcoding, following the 6-replicate methodology (Smith et al. 2024).

9. Please provide results from fish surveys (either as a standalone methodology), or in combination with eDNA metabarcoding, following the 6-replicate methodology

Lizard matters

The site has a history of forestry with conifer trees been grown on the eastern, Loes Road part of the property (Lot 1 DP 434071) for over 70 years. Historic imagery indicates that this forest block was poorly maintained through much of this period, with numerous, dead and fallen trees, and canopy gaps occupied by scrub and rank grass, which are highly likely to have provided habitat for lizards. There has been no assessment made of the species that could potentially be present on site. There appears to be remnant habitat present on site, although limited in extent. Therefore, it is recommended that the applicant provides evidence of an assessment of species potentially present within the area, and surveys for lizards or justification as to why this is not necessary at the site. Surveys should be undertaken using DOC approved methods by an appropriately qualified and permitted herpetologist.

10. Please provide evidence of an assessment of species potentially present within the area, and surveys for lizards or justification as to why this is not necessary at the site. Surveys should be undertaken using DOC approved methods by an appropriately qualified and permitted herpetologist.

Highly Productive Land

Mcfarlane Rural Business have been engaged to peer review the Highly Productive land assessment. They have requested the following information:

11. Please advise if the applicant has investigated the economics of installing irrigation.
12. Please advise if the applicant have a baseline nutrient loss (Overseer) for the property.

There is limited detail on the type of Solar panels, apart from noting that they are single axis trackers. The type of drive mechanism is important as this can impact the farm management programme. The layout of them is also important for the movement of vehicles.

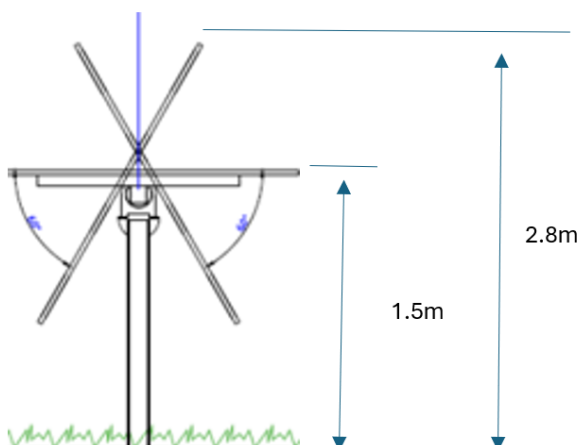
13. Please provide further information to address these matters.

Unfortunately due other work commitments, the HPL expert has only had the opportunity to undertake a brief review of the report and has advised that there may be additional questions raised as he focusses on the report. We will endeavour to get these questions to you as soon as possible.

Glint and Glare

Velden Aviation Consulting Ltd have been engaged to provide a peer review of the Solar Glare Analysis. They have requested the following information:

14. Please provide a diagram with all dimensions of the solar array
15. Please confirm the following:



Single Axis Tracking with Shade backtracking system.

Orientation : 7.5467° (**This needs to be confirmed. Most east-west tracking arrays have rotation axis orientation along true north i.e. 0 °**)

Max tilt angle : 60 °

Rotation Axis : Height Above Ground 1.4m (some heights noted to be 1.5m in Forgesolar data provided)

Solar Panels :with Anti Reflective Coating

Are Solar Panels arranged about Rotation Axis in : 1P (single panel in portrait arrangement) or 2P (2 panels in portrait arrangement) or 1L (1 panel in landscape arrangement) or 2L (2 panels in landscape arrangement) **(confirmation of arrangement would be helpful)**

Contaminated Land

The Contaminated Land Officer at Environment Canterbury has peer reviewed the PSI. They note that the proposal will result in a change of land use from grazing land only to grazing plus solar farming and that the PSI did not acknowledge this and did not explicitly say that the HAIL activity was highly unlikely to be a risk to human health as a result of the proposal.

16. Please confirm that the proposal will result in a change of land use and whether the proposal is a permitted activity under regulation 8(4)b and provide comment as to whether it is *“highly unlikely that there will be a risk to human health if the activity is done to the piece of land”*

Electromagnetic Field (EMF)

The EMF report has been peer reviewed by Pattle Delamore Partners. No further information is required.

Noise

The Assessment of Noise Effects has been peer reviewed by Marshall Day Acoustics (MDA). MDA have not requested any further information, however they have provided the following comments regarding the separation distance proposed by Styles Group (SG):

“In their calculations, SG has used a piling rig sound power level of approximately 111 dB LWA (83 dB LAeq at a distance of 10 metres). Based on measurements we have conducted at other locations, piling sound power levels in the range 120 to 130 dB LWA are more typical, depending on the pile type and equipment used. Taking the median value of 125 dB LWA, a separation distance of approximately 200 metres will be required to achieve the nominated noise limit of 70 dB LAeq.”

MDA are concerned that the *“quantity, noise level and duration of percussive piling that is proposed will potentially result in adverse community reaction and requires further justification”* and that 50m setback distance is likely to be too small for establishing communication protocol with residents.

As a result, MDA accept SG’s recommendation that construction noise be managed and assessed in accordance with NZS6803: 1999 Acoustics – Construction Noise, noting that inherent in this standard is a requirement to

adopt best practicable options to minimise noise from the site through the Construction Noise Management Plan (CNMP). Further to this, MDA have recommended a number of amendments to the consent conditions provided in Appendix 7 of the AEE. These amendments are attached as **Appendix 3** for your information.

Buildings

It is noted that drawing #DAR-004 identifies a “parts warehouse” adjacent to the “admin building”. It is noted that the AEE makes reference to a 36m² office building but does not appear to include consideration of a “parts warehouse”.

17. Please provide additional information regarding the office building and parts warehouse to confirm compliance with the Partially Operative District Plan

It is noted that the Battery Energy Storage System (BESS) is identified as being “*often housed in containers*”.

18. Please provide additional information regarding how the BESS will be housed

Plains Flood Management

The application site is located within the Plains Flood Management Overlay. As the proposal includes an admin building, parts warehouse and housing for the BESS, further information is required to determine compliance with NH-R2.

19. Please provide a Flood Assessment Certificate (FAC) to confirm compliance with Rule NH-R2. Note - the location of the office / parts warehouse and possibly the BESS will be required to determine the minimum floor level for the FAC. For information regarding this process please use the following link:
<https://www.selwyn.govt.nz/property-Andbuilding/resource-consent/flooding-assessment-certificates>

Geotechnical Assessment

20. Please provide a geotechnical assessment of the site from a suitably qualified and experienced practitioner.

Earthworks

The application proposes approximately 36,800m³ of earthworks. It is noted that section 6.4.2 references provision for a ESDCP as a condition of consent, however it appears that this may have been omitted from the list of consent conditions provided for in Appendix 7

21. Please confirm that the applicant will provide an ESDCP as a condition of consent

Reverse Sensitivity

It is noted that Lot 2 DP 460046 (highlighted in blue in Figure 1 below) is zoned Large Lot Residential Zone and is located within 250 metres of the panel. In the event that the proposal is granted, any future residential development of this site will be subject to Rule EI-R3.1.a.iv whereby any new residential development within 250m of “any noise generating infrastructure used for renewable electricity generation is a discretionary activity (Rule EI-R3.3).

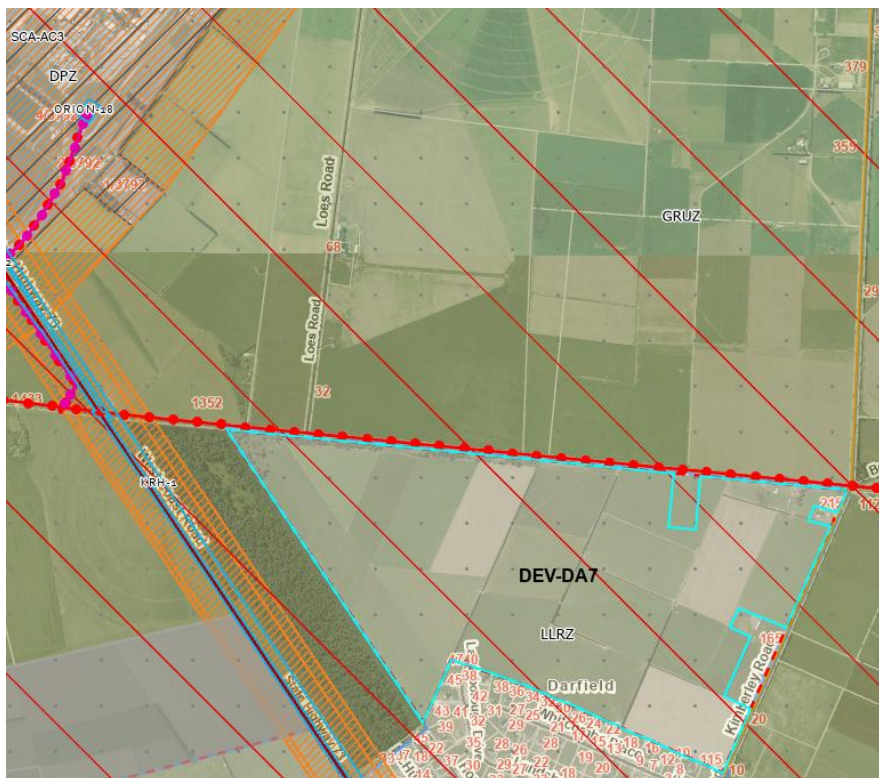


Figure 1 Proximity of LLRZ land to application site

22. Please provide further information regarding the potential reverse sensitivity issues for this Development Area

It is also noted that the owners of Lot 2 DP 460046 have provided affected party approval for the proposal, but that the information they were provided with may not have clearly identified this potential future impact on the development of this area.

General Matters

23. Please confirm if NZ Clean Energy or Darfield Solar and Energy Storage Limited are an Electricity Operator as defined by the Electricity Act 1992.

It is noted that a 35 year consent is sought and that the site will be rehabilitated after this date in accordance with proposed condition 23.

24. Please provide further information regarding what rehabilitation will be required to enable the site to continue to be used for land based primary production.

Cultural Effects

Mahaanui Kurataiao Limited have advised that the application is on the agenda for the next scheduled Kaitiaki hui for next week and that the Cultural Advice Report should be available on or around 20 November 2024.

Engineering

The Selwyn District Council's Development Engineering Team have reviewed the application and provided the following feedback and requested additional information:

The site covered by this proposal is over two valuation numbers, and the proposal seeks to exclude the existing dwelling from the development.

25. Please advise if the applicant is proposing to change this, such as by carrying out a boundary adjustment or subdividing the residential area with access from Homebush Rd that is excluded from the solar farm works?

Stormwater

Stormwater must be managed onsite in accordance with the Environment Canterbury Land and Water Regional Plan. Measures included in Stormwater Management Plan are not reflected in design drawings. Untreated Stormwater must not enter the Water Race. It is unclear if the assessment includes consideration of both water races, and whether the proposed Erosion and Sediment Measures would apply to both water races.

26. Please provide comment

27. Please advise of any potential adverse effects on the stability of the support structures proposed to be located in close proximity to both water races.

Water Race Bylaw

As noted in the application, two water races are located within the subject site. The Selwyn District Council Water Race Bylaw identifies Prohibited Uses (Clause 7.1) in or near a Water Race as including

- (v) erecting any building or structure of any kind or size within five (5) metres of either side of any Water Race without Council Approval*

It is noted that the application seeks to restrict earthworks within 3m of the water races and that the development area will include 3m wide buffers. I have been unable to confirm whether the applicant has sought SDC approval for the proposed 3m buffer.

28. Please advise how Water Race bylaw requirements will be met for the north–south water race (identified in light green in **Figure 2** below).

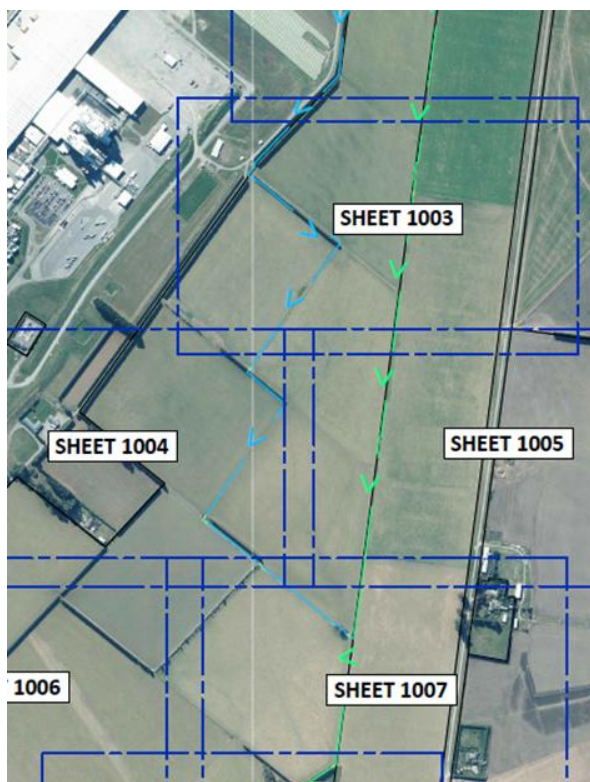


Figure 2 Water Races

It is not clear if the east-west water race has been factored into the design. This race is along the western border of the property from Auchenflower Road (mapped within Stormwater Management Plan included in the application), and enters the property 1km south of Auchenflower Rd, flowing into the other race that has been included in the plans (flowing straight from north to south).

29. Please confirm that the required 5 metre setback will be provided for the east – west water race (identified in light blue in **Figure 2** above, and noting that it follows a slightly different path from that identified in the plan) – noting that while the water race may be located with the Fonterra site in places, the setback will still apply.

The Water Race Bylaw requires a strip of not less than 6 metres wider (adjacent to one side of the water race) to be left unplanted to enable access to the water race for machinery or for cleaning and maintenance purposes.

30. Please confirm that sufficient space will be provided for both water races for machinery for cleaning and maintenance purposes.

Please be advised that the Council is requesting an easement in gross for both water races.

Additional Comments – Water Races

The Development Engineer has also provided the following comments regarding additional culverts on the water race:

“The design proposes additional culverts on the water race, applicant is to be aware that new culverts on a water race will require engineering acceptance from SDC. Permission will also be required for any temporary shutdowns of the water race for culvert installation. Culvert installation will also need to be witnessed by SDC staff.”

Transport

31. Please confirm the proposed surface of the haul road

Additional Comments – Water Supply

The Development Engineer has identified concerns regarding the likely availability/sustainability of relying on rainwater for the potable water supply of the compound.

You must respond in writing to this request before Wednesday, 4 December 2024 and do one of the following:

- (a) Provide the information; or
- (b) Tell us that you agree to provide the information, but propose a reasonable alternative date; or
- (c) Tell us that you refuse to provide the information

Part B

I have forwarded the requests above at this time to give you an opportunity to collate the information and avoid further delays. However, please note that this application has also been circulated to Mahaanui Kurataiao Ltd for review and comment. If any further information is required following their review, this will form part of this section 92 request. Any additional requests will be forwarded to you once they are received.

Please note that if you do not respond in some way before Wednesday, 4 December 2024 or you refuse to provide the information requested, we are required to publicly notify your application. This will result in increased costs to you and take longer to process. It is important that you respond to this request; otherwise your application can be declined for lack of information.

I have put processing of your application on hold until we receive your complete response. Please contact me if you have any questions.

Yours faithfully

Jane Anderson

Consultant Planner

Appendix 3 – Marshall Day Acoustics - Proposed Amendments to Conditions

(new text shown in red)

Site Preparation and Construction

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New Condition as per SG condition 3 with suggested text amendments:

Xx Construction activities must be conducted in accordance with NZS 6803: 1999 “Acoustics – Construction Noise” and must comply with the “long-term duration” noise limits contained within Table 2 and Table 3 of that Standard.

10. The CNMP shall include, but not be limited to
- (a) The applicable permitted noise standards
 - (b) The programme of works and hours of operation
 - (c) Identification of surrounding noise sensitive receivers
 - (d) Written communication with occupants of all occupied dwellings or minor dwellings that are within 200 metres of proposed piling works at least ten (10) days prior to the commencement of activities on site. The written advice shall set out:
 - i. a brief overview of the construction works.
 - ii. the working hours and expected duration,
 - iii. an evaluation of piling methodology to demonstrate the Best Practicable Option has been adopted.
 - iv. all mitigation measures to be implemented.
 - v. the procedure for recording concerns/complaints regarding noise.
 - vi. details of the management and mitigation measures required to comply with the relevant noise limits when piling works are undertaken within 200m of any occupied building that has not provided written approval.

~~11. Condition 10(d)vi does not apply if receivers (dwellings or minor dwellings) within 200m of the extent of works provide their written approval to authorise temporary exceedances of the construction noise limits.~~

12. (No changes proposed)

Operational Noise

...

20. (No changes proposed)

21. No later than six weeks prior to commencement of construction of the solar farm, the consent holder shall provide Council with a report setting out an acoustic assessment from a suitably qualified and experienced acoustic expert that demonstrates the selected plant and layout will achieve compliance with the noise limits in Condition 20. The report shall include an assessment of the cumulative sound power levels for all electro-mechanical plant and confirm any proposed mitigation measures that must be incorporated in the layout, design and operation of the activity.

22. **New condition**

Within 6 weeks of the project becoming operational, a suitably qualified and experienced acoustic consultant shall perform measurements to confirm compliance with both the daytime and night-time. This document may not be reproduced in full or in part without the written consent of Marshall Day Acoustics Limited Lt 001 20241183 RC245775 - Darfield Solar (Acoustic peer review).docx 6 noise limits in Condition 20. The assessment shall include an objective analysis of any special audible characteristics during the day and at night, in accordance with Appendix B4 of NZS 6802:2008 Acoustics - Environmental Noise.

- (a) Should the sound commissioning survey indicate that the noise limits are exceeded, then the mitigation options that will be implemented will be clearly outlined, including timeframes for the completion of these mitigation works.
- (b) Following completion of any a mitigation measures, the sound commissioning survey will be repeated and an updated report provided to Council

Request for Section 92 RFIs - Transport

RC245392 – 21 Ellesmere Junction Road

Prepared for	Selwyn District Council
Job Number	SDC-J086
Issue Date	31 October 2024
Prepared by	Mat Collins, Associate Transportation Planner

1. Introduction

Abley Limited (Abley) was engaged by Selwyn District Council (Council) to provide independent transport planning advice in respect of a resource consent application to construct and operate a solar farm at 1352 Homebush Road, Darfield. The purpose of this memo is to request further information on the proposal under section 92 of the Resource Management Act (1991).

The site location is illustrated in Figure 1.1.

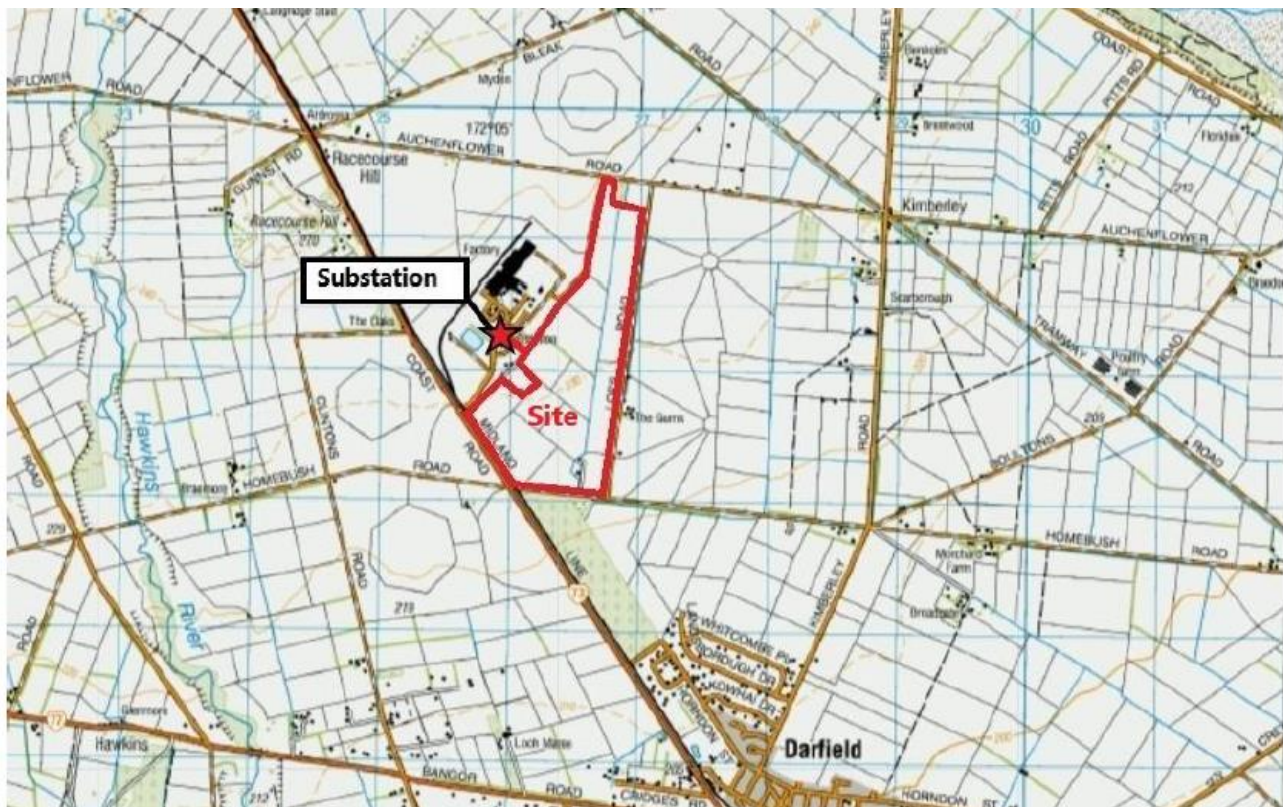


Figure 1.1 Site Location (reproduced from AEE)

2. S92 requests for information

1. Section 5.3.3 of the Transport Assessment (TA) concludes that right-turn mitigation at the SH73/Homebush Road intersection is unnecessary, despite high turning volumes that typically require right-turn treatments. This conclusion is based on the impact being limited to the construction phase. Instead, the TA recommends maintaining a Traffic Management Plan to limit right-turn volumes to a maximum of 80 vehicles per hour.

We disagree. Right-turn movements exceeding approximately 35 vehicles per hour would typically warrant a Channelised Right Turn treatment with a short turn slot (CHR(S)), as shown in Figure 2.1, and volumes below this level warrant a rural basic right turn (BAR).

Please clarify why 80 vehicles per hour has been assumed as the maximum threshold for right turns at the SH73/Homebush Road intersection. Also, confirm whether minor works (e.g., repositioning limit lines or minor seal widening) are required to enable a through vehicle to safely pass a right-turning vehicle in the live lane.

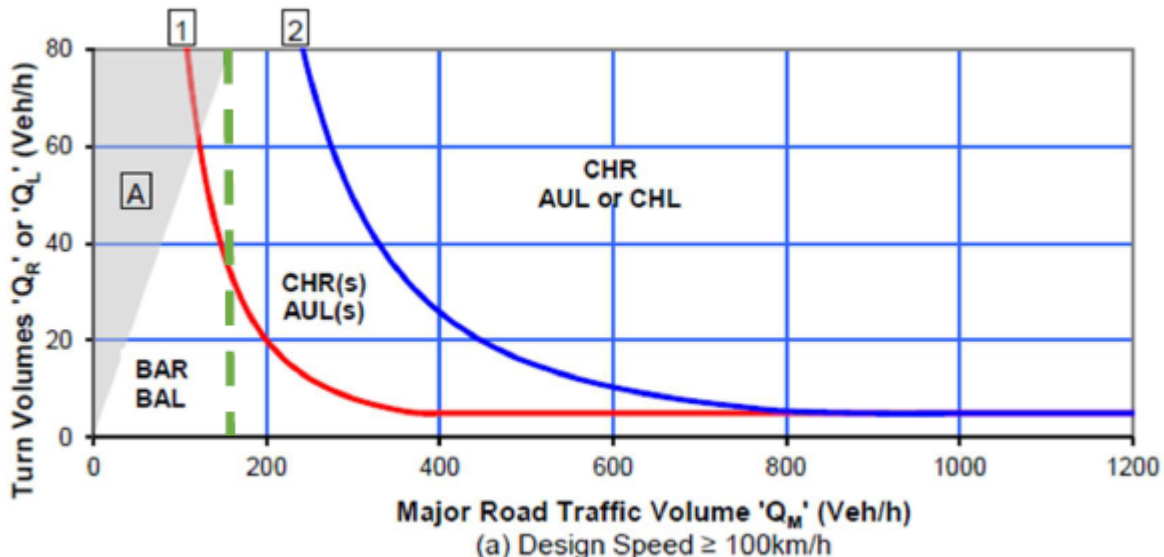


Figure 2.1 Austroads Guide for turn bay warrant (reproduced from TA)

2. Section 5.1 of the Transport Assessment (TA) indicates that NZTA has provided feedback on the proposal. Please provide correspondence from NZTA that demonstrates its support (or otherwise) for the proposed mitigation measures at the SH73/Homebush Road intersection during construction.
3. The Kiwi Rail Level Crossing Safety Impact Assessment – Preliminary Response memo (Attachment 4a) discusses a Level Crossing Safety Impact Assessment (LCSIA) and the outcome of engagement with KiwiRail. Please provide a copy of the LCSIA and correspondence with KiwiRail regarding the recommendations of the LCSIA.
4. The Glare Assessment report identifies “Green and Yellow” glare effects along sections of adjacent roads, Figure 2.2. Figure 10 of the Glare Assessment highlights that Yellow glare effects could cause a temporary after-image, raising concerns for drivers, particularly at conflict points like intersections, level rail crossings, narrow carriageways, and vehicle crossings. The Glare Assessment recommends “tracking adjustments and/or additional screening measures” to

mitigate these effects. The Landscape and Visual Assessment report recommends a 2 – 3m high planting along the southwestern, southern and parts of the eastern and northern site boundaries to mitigate glare effects. Please provide an updated Glare Assessment report that demonstrates the extent to which the proposed boundary plantings mitigate glare effects on public roads, and comment on how glare effects may create road safety effects prior to the plantings reaching a 2 – 3m height.



Figure 2.2 Locations where glint and glare are most likely to occur at different times of the day and year (reproduced from Glare Assessment)

3. General comments and considerations (not a s92 information request)

1. Abley staff are not qualified to peer review the Glare Assessment report and have therefore relied on the report's findings and recommendations. We recommend that Council consider engaging a Glare specialist to review the report.

10 November 2024

Novo Group Limited
Level 1, 279 Montreal Street
PO Box 365, Christchurch 8140
0 - 03 365 5570
info@novogroup.co.nz

MEMO

TO: Jane Anderson | Planner | Selwyn District Council
FROM: Anne Wilkins | Principal Landscape Architect | Novo Group
PROJECT REF: 003069
RCA REF: RC245775

AGRIVOLATAIC DEVELOPMENT LANDSCAPE REVIEW: REQUEST FOR INFORMATION (RFI-01)

1. The following outlines information I require to finalise my peer review of the LVA for Resource Consent Application RC245775 for works associated with the ground-mounted agrivoltaic development located off Homebush Road, Darfield.
2. Regarding the Visual Simulations please:
 - i) Provide a visual simulation image from Viewpoint 7 and/or Viewpoint 8 including the construction access and proposed entranceway.
 - ii) Provide a visual simulation image from Viewpoint 14 including the substation / ancillary buildings etc.
 - iii) Provide a visual simulation image from Viewpoint 19 and/or 25.
 - iv) Provide an additional visual simulation from Viewpoint 3 facing north / northwest towards the Fonterra factory to depict the effects of the removal of the existing shelter belts within the site.
 - v) Provide location maps on each visual simulation image page.
 - vi) Provide a summary of the depiction of growth time post planting / implementation of the landscaping shown in the mitigation planting simulations (i.e. temporal data; 4 years growth or otherwise).
 - i) Confirm the mitigation planting simulations shows the plants at a 3-metre height.



- ii) Outline whether the planting shown on the montages based on the Option 1 or Option 2 arrangement.
3. ZTV / Viewpoint Map(s); please:
- i) Confirm whether the ZTV map modelling includes existing shelter belts and vegetation within the subject site (that have been proposed to be removed) and confirmation that the proposed mitigation planting has not been included in the ZTV modelling.
 - ii) Remove the Viewpoint Locations data from the ZTV Map and provide as a high-quality JPEG (for better resolution to cross reference the rural residential dwellings with visibility identified from the ZTV DSM model).
 - iii) On the Viewpoint Location Map reduce the size / opacity of the Group labels on the plan and provide as a high-quality JPEG.
 - iv) On the ZTV mark a general distance circumference (dotted line area) from the outer edges of the site up to 2 km away¹ of which the modelling has been undertaken i.e. model extents.
4. Please provide an assessment of how the mitigation planting aligns with the Selwyn District Council planting guides, including the Land Drainage Planting Design, the Trees and Vegetation Policy documents and any other relevant documentation. Please refer to other relevant SDC information, such as the Native Planting of Canterbury Plains information for suitability of species. Additionally, for the Mitigation planting:
- i) Please provide the Planting Plan as a high-quality JPEG / PDF plan with dimensions of the recommended mitigation planting shown in more detail.
 - ii) Please mark on the anticipated location of the three typologies on the Suggested Plant Species list (being *Exotic single species border*, *Native single species border* and *native mixed species border*) on the Planting Plan.
 - iii) Please mark on the Planting Plan the existing overhead 66kV line (to understand where constraints to height / maximum clearance areas exist).
 - iv) Please confirm the minimum offset from the planting to the panels to remove any potential effects of shading (from planting on to the panels) and outline what is

¹ While appreciating the diagrammatic does provide a scale bar.



the maximum height that planting can be established at adjacent to panels (to remove any risk of shading to the effectiveness of the panels).

- v) A brief statement on the anticipated long-term maintenance of plants including for example, infill planting, or maximised height etc.
5. Please provide a brief assessment / summary and subsequent ratings from the recreational areas in the Canterbury foothills, including the views from Mount Oxford (etc) (noting that the Fonterra dairy factory is clearly visible from these locations). Being that these are highly memorable, frequented and distinct recreational areas in the Selwyn District, please note the overall visual effects, particularly of the effects of the glint and glare, when viewing down from these locations.
 6. A description / review of the landscape cumulative effects of the proposal.
 7. Please explicitly list / confirm, and mark on an aerial map, where the temporary effects noted as '*low-moderate*' and '*moderate*' will be experienced from and for how long, noting that the LVA outlines construction time frames at 18 months and plant growth to take full effect at 4-6 years².
 8. Please provide a further description and associated example image of the fencing being this will be visible from the surrounding areas i.e. what is the type and anticipated appearance of security fencing (itemised at deer-style security fence at 2.4m high).
 9. Proposal descriptors:
 - i) The LVA notes that '*PV tracking management will be used to mitigate the effects of glare while the screen planting grows*'. Please provide a summary of how this is to occur and for what period of time.
 - ii) Please provide a review of what level of glint / glare reduction is to be expected from anti reflective coating.
 - iii) Further details, including the overall extent of re-grassing / grassed areas, extent of areas of grazing, when this will be implemented and any maintenance of planting / fencing to support anticipated grazing under and around the solar panels (the LVA notes '*will retain pasture and sheep grazing beneath the PV structures*').

² 024-002 Darfield Agrivoltaic Development - Landscape & Visual Assessment R3_240826 Page 39 of 83



10. Should you require any further detail or would like to discuss matters raised in this RFI please do not hesitate to contact me on the details below.

Yours sincerely,

Anne Wilkins Novo Group Limited

Principal Landscape Architect

D: 03 925 8917 | **M:** 027 337 3479 | **O:** 03 365 5570

E: anne@novogroup.co.nz | **W:** www.novogroup.co.nz