

ATTACHMENT 5: PROPOSED NEW DISTRICT CONDITION #22 (GLARE)

The condition below is proposed as a replacement for Condition #22 in the documents as lodged (Appendix 07 Proposed Conditions – District)ⁱ.

22 Glint and Glare Adaptive Management Plan

The Consent Holder must prepare and implement a Glint and Glare Adaptive Management Plan (GGAMP) to address any substantiated adverse glint and glare impacts on affected parties and/or the surrounding road network as identified in the Glint and Glare Analysis Report (dated 25 June 2024). The GGAMP must include the following:

- (a) Details of screening to be established in line with the Glint and Glare Analysis Report (dated 25 June 2024) as updated by the memo: Darfield Agrivoltaic Development: Request for Additional Information (S92) Response, Mansergh Graham, Dated 9 December 2024.*
- (b) Contact Information: The GGAMP must provide contact details for the Consent Holder and their agent responsible for addressing glint and glare complaints, ensuring that affected parties have a direct line of communication for reporting issues.*
- (c) Reporting Procedures: The plan must include procedures for reporting glint and glare issues by affected parties. This includes:*
 - i. The process for lodging a complaint.*
 - ii. The timeline within which the Consent Holder must acknowledge receipt of the complaint.*
 - iii. A detailed timeline for the investigation and response process, ensuring that any substantiated glare issues reported are addressed promptly and effectively within a specified timeframe.*
 - iv. Adaptive Management Strategies: The GGAMP should detail a range of possible mitigation solutions to address reported glint and glare issues. These solutions may include but are not limited to, physical alterations to the solar farm setup, installation of screening or landscaping to block or diffuse glare, and adjustments to the operational procedures of the solar farm (such as tracking management).*
- (d) Monitoring and Evaluation: The Consent Holder must implement a monitoring regime to assess the effectiveness of the mitigation measures implemented under the GGAMP. This includes feedback from affected parties on the resolution of reported glare issues.*

(e) *Duration of the Plan: Unless otherwise authorised by the Consent Authority, the GGAMP must be implemented for whichever is the greater duration of the following:*

i. *A period of three years following the mitigation planting obtaining the minimum 3m height;*

Or

ii. *For a year following any remedial action undertaken.*

During this period, the Consent Holder is obligated to respond to and manage glint and glare complaints as per the procedures outlined in the GGAMP.

(f) *Review and Reporting: The Consent Holder must submit an Annual Report to the Consent Authority if requested, summarising the glint and glare complaints received, actions taken, and the effectiveness of the mitigation measures implemented. The Annual Report may also recommend whether ongoing management of glint and glare issues is required along with any relevant supporting information.*

Advice Note

An adaptive management plan offers a flexible and responsive approach to managing glint and glare that may arise from the approved agrivoltaic activity, recognising the inherent challenges and uncertainties in accurately predicting glare impacts ahead of time. This approach allows for real-time monitoring and addressing of actual impacts as they occur, rather than relying solely on predictive models that may not fully capture the dynamic and variable nature of sunlight and its interactions with the environment. By focusing on adaptive measures, the plan can more efficiently respond to affected parties' concerns, ensuring that mitigation strategies are directly tailored to the specific conditions and experiences of those impacted.

ⁱ For avoidance of doubt, district condition 22 (as lodged) reads:

Glare

22 *Glare at the following locations shall be mitigated by installing shade cloth (or similar) screens of 2.0m height until the mitigation planting establishes to a minimum height of 2.0m:*

- (a) *the intersections of Homebush Road and the Fonterra access road with SH73*
- (b) *the McHughes Forest Park walkway entrance*
- (c) *Auchenflower Road*
- (d) *Homebush Road*