

I consider the methodology and assessment of the impact of Glint and Glare on dwellings to be wrong and the information supplied by the Applicant to be insufficient to challenge this in full.

## Issues with Applicants' Glint and Glare Methodology and Assessment

### ISSUE 1

I would like to question the methodology of the Glint and Glare study and the conclusion that out of 699 properties assessed, just 7 were deemed “moderate impact” and requiring mitigation.

615 were assessed as “no impact” and 10 as “low impact”. In all these 625 assessments, the identified screening (desk-based review) was that “existing and/or proposed vegetation is predicted to significantly obstruct views of reflecting panels”

In their modelling table, the Applicant has lumped together “**existing** vegetation” and “**proposed** vegetation” in the identified screening column of their modelling table. Surely this column should not refer to potential vegetation because (a) it should be dealt with differently from “existing vegetation” which would give protection from glint and glare on day one whereas “proposed vegetation” would give no protection for at least 10 years (as shown in the Applicants photomontages) and therefore is wrongly described in column 5 as “no impact” and (b) any “proposed vegetation” is actually more correctly described as “recommended mitigation” - and should be reported as such in column 6.

A typical example from this table is shown below. I have visited several of these properties and can confirm that, for example, M34 has NO existing vegetation to screen it but is shown as no impact with no mitigation recommended. The “proposed vegetation” would offer no protection for 10 years. In contrast, M36 is judged as having no significant screening and therefore moderate impact with recommended mitigation. Again, I have visited this property and there is existing vegetation that would partially screen it from day one. The mitigation merely filling the gaps or allowing the present 1m hedge to grow. Surely any property recommended for proposed vegetation that requires proposed vegetation, which would not provide protection from any glint and glare for 10-15 years, should be the one classified as at least “moderate impact”?

#### 7.4.2 Results Discussion

The modelling has shown that solar reflections are geometrically possible towards 632 of the 699 assessed dwellings. Tables 8 to 10, below and on the following pages, summarises the predicted impact at these receptors.

Dwelling Receptor	Geometric Modelling Results (screening not considered)	Identified Screening (desk-based review)	Relevant Factors	Impact Classification	Mitigation Recommended?
N1 – N2	No solar reflections geometrically possible	N/A	N/A	No impact	No
N3 – N35, N38 – N70	Solar reflections geometrically possible for <b>more</b> than 3 months per year but <b>less</b> than 60 minutes on any given day	Existing and/or proposed vegetation is predicted to significantly obstruct views of reflecting panels	N/A	No impact	No
N36 – N37	Solar reflections geometrically possible for <b>more</b> than 3 months per year but <b>less</b> than 60 minutes on any given day	No significant relevant screening identified	N/A	Moderate impact	Yes

#### Example of images showing reflective panel areas:

Fig.1 N34 pink line = “proposed vegetation”  
No impact, no mitigation recommended

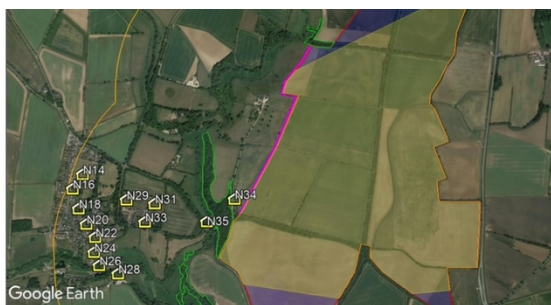


Figure 116 Reflective panel areas and screening for dwellings N14 to N35

Solar Photovoltaic Glint and Glare Study

Bovley West Solar Farm 213

N36 blue line = mitigation recommended  
No significant screening, Moderate impact,



### ISSUE

It was possible to examine the example given above in Issue 1. Many more examples exist, most of which we cannot investigate due to missing images.

On page 190 of APPENDIX 4.4 Glint & Glare the Desk-based Analysis Overview states:

*“Representative desk based analysis for receptors is shown on the following pages including the identification of relevant screening and reflecting panel areas. Further images can be provided upon request.”*

Why are only some images provided? The images provided are ALL for the flatter, less populated Northern site. Those for the whole of the highly contoured and more densely populated Central site are missing, as are all those for the Southern site. This seems far from representative and, most importantly, it means we cannot identify or assess the “proposed vegetation” which is mentioned for over 500 properties.

I have contacted the Applicant requesting copies of the missing images but received no reply.

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