



AECOM

PROJECT
Tillbridge Solar

CLIENT
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LEGEND

- Scheme Boundary
- Principal Site - 5km Buffer
- Substation 1
- Building
- Woodland

Zone of Theoretical Visibility - Degree of Maximum Visibility of Substation 1 Area

- Not Visible
- 1 - 25%
- 25 - 50%
- 50 - 75%
- 75 - 100%

NOTES

1. The Zone of Theoretical Visibility (ZTV) is based upon points along the external boundary to the indicated Substation 1 Area with an anticipated station height of 10m and an observer height of 1.5m. It does not take account of theoretical visibility arising from panels within the solar panel area.
2. The ZTV has been generated using Environment Agency Digital Terrain Model (DTM) with a 2m resolution. To provide evidence of theoretical screening, two additional databases have been included: OS Open Data with assumed height for buildings of 8m; and the Forestry Commission National Forestry Inventory (2021) and OS Open Data, with an assumed height of 11m.
3. The ZTV has been produced in order to inform 'on the ground' visual assessment and does not include effects of screening derived from hedgerows or trees not included within the woodland database noted above.
4. ZTV calculated using ArcGIS 10.8.1 Viewshed tool.
5. OS Open Data: © Crown copyright and database right 2019 Ordnance Survey (100021242).

ISSUE PURPOSE
PEI Report

PROJECT NUMBER
60677969

FIGURE TITLE
Zone of Theoretical Visibility - Substation 1 with Buildings and Woodland Screening

FIGURE NUMBER
Figure 12-4f

1:70,000 @ A3
0 0.5 1 2 km

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