488000

264000

E

BESS

F

GREEN HILL SOLAR FARM

Title: Figure 8.9.18 Augmented Zone of Theoretical Visibility (ZTV) of Full Scheme and Cumulative Development Large Scale

Document:
Volume 1
Landscape and Visual
Environmental Statement (ES)

Legend:
- Order Limits
- 1km Study Area
- 2km Study Area
- 5km Study Area
- Grendon Lakes BESS
- Forestry Commission's National Forest Inventory
- OS OpenMap Local Buildings

Grendon Lakes BESS Augmented ZTV
- Views of proposed development theoretically visible

Green Hill Solar Farm Augmented ZTV
- Views of proposed development theoretically visible

Note:
1. Both augmented Zones of Theoretical Visibility (ZTV) have been generated using the Environment Agency's 2m DTM (2022), as well as Ordnance Survey's Open Buildings dataset and the Forestry Commission's National Forest Inventory (NFI) dataset. The resulting ZTV demonstrates where the development may be visible from considering existing screening elements such as buildings (modelled at 8m high), as well as trees from the NFI dataset (modelled at 12m high). For the Green Hill Solar Farm ZTV, additional screening effects resulting from the proposed development are also accounted for.

2. The Green Hill Solar Farm ZTV was produced to indicate theoretical visibility as a worst case, with an assumption that the proposed development would fill the full extent of the development area at a maximum solar panel height of 4.5m, a BESS height of 3.5m and a substation height of 6.8m at Green Hill A, B, E, F and G and 12.5m at Green Hill C and BESS, with an observer height of 1.7m.

3. The Grendon Lakes BESS ZTV was produced to indicate theoretical visibility as a worst case, with an assumption that the proposed development would fill the full extent of the RLB, excluding the access track, a maximum height of 3.9m, with an observer height of 1.7m.

Data: ADAS and DEFRA, 2025; Forestry Commission, 2025; Lanpro, 2025; IGP, 2025
Base map: © Crown copyright and database rights 2025, Ordnance Survey 0100031673
Contains OS data © Crown Copyright and database right 2022

APFP Regulation: 5(2)(a)

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Drawing no.: P3535_LPR_ZZ_XX_DR_Z_LVA_0317

Coordinate system: British National Grid

Scale: 1:25,000 @ A3

N W E S

0 500 1,000 1,500 m

Island GREEN POWER

Lanpro