Swansea North BESS
EDF Energy Renewables Limited

LUC

Screened Zone of Theoretical Visibility (ZTV) of Proposed Development

Site boundary

1km intervals from site boundary

Proposed Infrastructure

Battery enclosures (2.97m), transformer and inverter combined units (3.196m), switch gear (3.3m) and auxiliary transformer (8.08m)

Customer substation including switch gear (3.3m) high-voltage compound and transformer (9.2m)

DNO (2.93m)

Spare Parts Container (2.9m)

Water Tank (4.8m)

Zone of Theoretical Visibility (Screened)

Proposed development visible

Note:

This ZTV illustrates theoretical visibility within a 3 km study area, highlighting where the proposed developments will be most visible. The site may be visible beyond the study area but is likely to be of low impact. Heights of individual elements of the development used are shown in the legend above. Please note, two lightning masts within the site boundary with a height of 20m were not included in the calculation of the ZTV due to their narrowness. The ZTV also assumes an observer height of 2m above ground level. The terrain model used is the 1m LiDAR DSM from the Environment Agency. The ZTV accounts for screening features such as buildings and trees, illustrated by the LIDAR DSM hillshade. It can also show visibility on top of these features. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0.

1km
2km
3km

0 1 2 km

Map scale 1:27,000 @ A3