

KEY

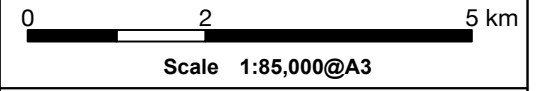
- Hagshaw Hill Repowering Site Boundary and Proposed Turbine Locations and Corresponding Turbine Number
- Radii from Proposed Hagshaw Hill Repowering Turbines
- Consented Dalquandy Wind Farm and Corresponding Turbine Number
- Consented Douglas West Wind Farm and Corresponding Turbine Number
- Consented Cumberhead Wind Farm and Corresponding Turbine Number
- Lit turbines

Zone of Theoretical Visibility of Turbine Lighting for Proposed Hagshaw Hill Repowering Wind Farm

- 1 to 2 Turbines may be Visible
- 3 to 4 Turbines may be Visible
- 5 to 7 Turbines may be Visible
- Night-time Assessment Viewpoints

It should be noted that when light travels from its source it diminishes in intensity, limiting the area that its source can illuminate, a process known as 'light attenuation' or 'fall-off'. Therefore, whilst the ZTV does not illustrate any reduction in intensity it should be recognised that the aviation lighting would diminish in intensity with distance from the wind farm.

NB The Zone of Theoretical Visibility (ZTV) image illustrates the theoretical extent of where turbines will be visible from assuming 100% visibility. It is generated using terrain data only and does not take into account any screening that vegetation or the built environment may provide. It is as such a worst case ZTV and the actual extents of visibility are likely to be much less extensive.



**Hagshaw Hill Repowering
Figure 1**

**ZTV OF LIT TURBINES AND
PRINCIPAL VISUAL RECEPTORS
INCLUDING ADJACENT OPERATIONAL
AND CONSENTED SCHEMES**