



- Key
- Proposed turbine locations
  - Lines indicating the distance from the proposed turbines
  - Existing Wind Farms with Lighting
  - E01 Beinn Ghrideag E03 Arnish Moor
  - E02 Pentland Road E04 Creed
  - Stornoway wind farm nacelle lights may be theoretically visible
  - Existing wind farms nacelle lights may be theoretically visible
  - Stornoway and existing wind farms nacelle lights may be theoretically visible
  - Night-time Viewpoints
  - N3) A859 North of Liurbost (Leurbost)
  - N7) A857 Between Stornoway and Barabhas (Barvas)
  - N9) Tunga (Tong)
  - N11) Ranais (Ranish)
  - N14) An Rubha: An Cnoc (Eye Peninsula: Knock)

Notes: This drawing is based on a computer generated Zone of Theoretical Visibility (ZTV). The areas shown indicate the maximum theoretical visibility of the proposed aviation warning lights fitted to the highest practical point on the turbine nacelle using OS Terrain 50 data only, and do not take account of any screening from vegetation or built-form. The ZTV also includes an adjustment that allows for the Curvature and Light Refraction of the Earth.

This figure has been based on the following parameters:  
Turbine layout file: LSTORNOWAY045.WFL  
Hub height: 105m / 88m  
Rotor diameter: 150m / 136m  
Height to blade tip: 180m / 156m

0 1 2 3 4 5 6 7 8 km  
Scale at A3: 1:130,000

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Client



Stornoway Wind Farm  
EIA Report

**Figure 6D.4**  
**Cumulative ZTV (Nacelle Lights) to 15km**

March 2019



wood.