

Viewpoint Parameters

OS reference:	E138 247, N930 533
Ground Level Elevation:	86m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	337°
Distance to nearest turbine:	945m
Number of blade tips theoretically visible ⁴ :	35
Number of hubs theoretically visible ⁴ :	35
Date and time of viewpoint photography:	10/11/2018 @ 14:35
Camera:	Nikon D810
Lens:	50mm (Sigma 50mm 1:2.8 DG)

Information on the limitations of visualisations:

Visualisations of wind farms have a number of limitations which you should be aware of when using them to form a judgement on a wind farm proposal. These include:

- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
- The images provided give a reasonable impression of the scale of the turbines and the distance to the turbines, but can never be 100% accurate;
- A static image cannot convey turbine movement, or flicker or reflection from the sun on the turbine blades as they move;
- The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;
- To form the best impression of the impacts of the wind farm proposal these images are best viewed at the viewpoint location shown;
- The images must be printed at the right size to be viewed properly (260mm by 820mm);
- You should hold the images flat at a comfortable arm's length. If viewing these images on a wall or board at an exhibition, you should stand at arm's length from the image presented.
- The ZTV presented here takes no account of the screening effects of vegetation or buildings.

Additional notes:

1. 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
2. Turbine positions could be subject to micro-siting (typically up to 50m).
3. Direction given as bearing relative to Grid North (BNG).
4. The number of turbine blades and hubs theoretically visible is counted from the wireline in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client



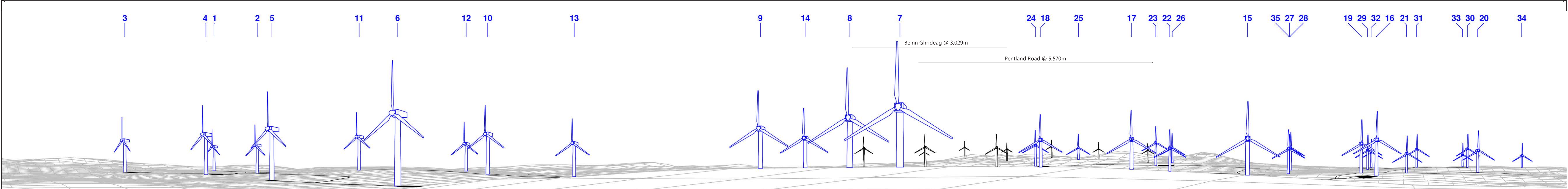
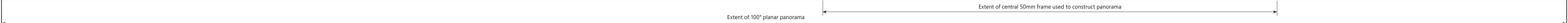
Stornoway Wind Farm
EIA Report

Figure 7.4a
Druim Dubh

March 2019



wood.



Wind Farm Key:

- Stornoway Wind Farm
- Existing
- Consented

Note:
In order to show all of the turbines on this wireline and existing view, the planer projection has been increased from the standard 90° field of view to 100° field of view with the permission of SNH. The scale of the turbines remains unchanged and otherwise accords with the SNH Visual Representation of Wind Farms Guidance: Version 2.2, February 2017.

OS reference: E138 247; N930 533
Eye level: 57.5m AOD
Direction of view: 337°
Nearest turbine: 945m

Horizontal field of view: 100° (cylindrical projection)
Principal distance: 522mm
Paper size: 931mm x 297mm
Correct printed image size: 911 x 130mm

Camera: Nikon D810
Lens: 50mm (Sigma 50mm 1:2.8 DG)
Camera height: 1.5m AGL
Date and time: 10/11/2018 14:35

Client: **Lewis Wind Power**
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 7.4b
Drum Dubh

March 2019

wood.

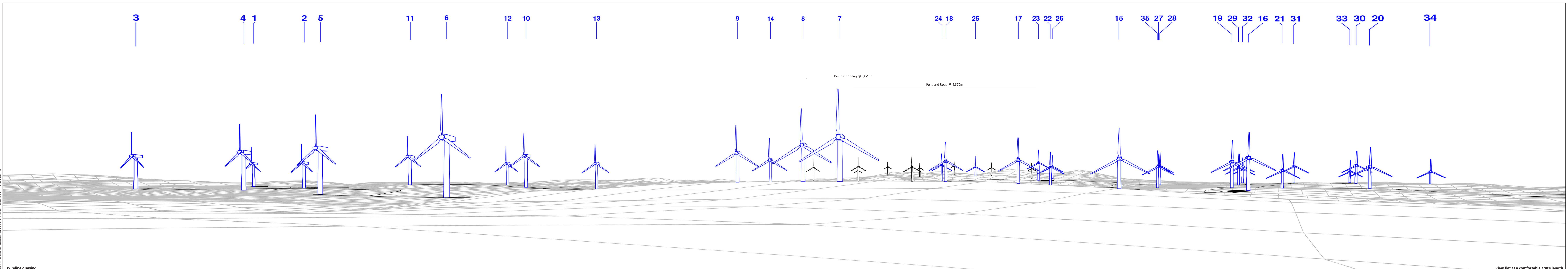
HY:\Projects\0001 Stornoway Optimisation Feasibility Study\0404\Drawings\A0001_G0396.dwg
Original: bryc

Wireline drawing

Wind Farm Key:  Stornoway Wind Farm  Existing  Consented

Note:
In order to show all of the turbines on this wireline and photomontage over the page, the planer projection has been increased from the standard 53.5° field of view to 100° field of view with the permission of SNH. The scale of the turbines remains unchanged and otherwise accords with the SNH Visual Representation of Wind Farms Guidance: Version 2.2, February 2017.

OS reference:	E138 247, N930 533	Horizontal field of view:	100° (planar projection)	Camera:	Nikon D810	Client:	 Lewis Wind Power Cumhacht Gaoithe	Stornoway Wind Farm EIA Report	Figure 7.4c Druim Dubh	March 2019	
Eye level:	57.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sigma 50mm 1:2.8 DG)						
Direction of view:	337°	Paper size:	1533mm x 297mm	Camera height:	1.5m AGL						
Nearest turbine:	945m	Correct printed image size:	1513 x 130mm	Date and time:	10/11/2018 14:35						



View flat at a comfortable arm's length

