

## Viewpoint Parameters

OS reference:	E141 828, N935 786
Ground Level Elevation:	67m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	236°
Distance to nearest turbine:	2,926m
Number of blade tips theoretically visible <sup>4</sup> :	35
Number of hubs theoretically visible <sup>4</sup> :	31
Date and time of viewpoint photography:	29/10/2018 @ 13:35
Camera:	Canon EOS 5D Mk2
Lens:	50mm (Canon EF 50mm f/1.8)

## 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 wireframe in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client



Stornoway Wind Farm  
EIA Report

**Figure 6.47a**  
**Viewpoint 25: Newmarket**

March 2019



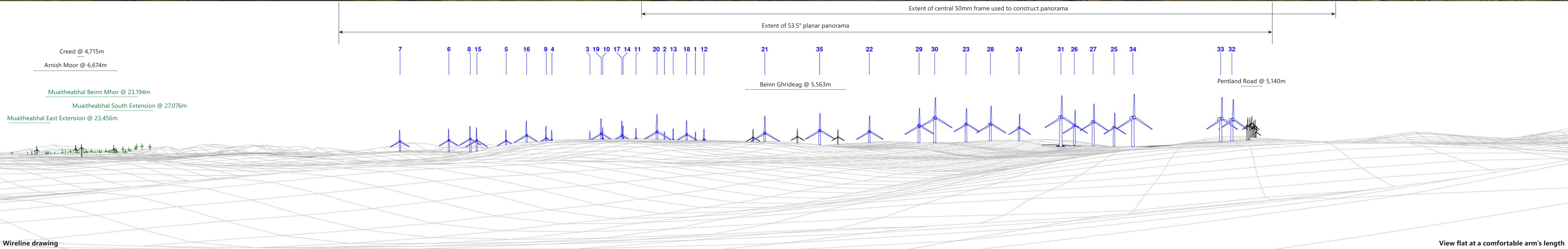
**wood.**



Southwest

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: Stornoway Wind Farm Existing Consented

OS reference:	E141 828, N935 786	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	68.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	257°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	2,926m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2018 13:35

Client  
 Lewis Wind Power  
Cumhachd Gaoithe

Stornoway Wind Farm  
EIA Report

Figure 6.47b  
Viewpoint 25: Newmarket

March 2019

wood.





Extent of central 50mm frame used to construct panorama







Extent of central 50mm frame used to construct panorama





Southeast




Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  Stornoway Wind Farm  Existing  Consented

OS reference:	E141 828, N935 786	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	68.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	156°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	2,926m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2018 13:35



Stornoway Wind Farm  
EIA Report

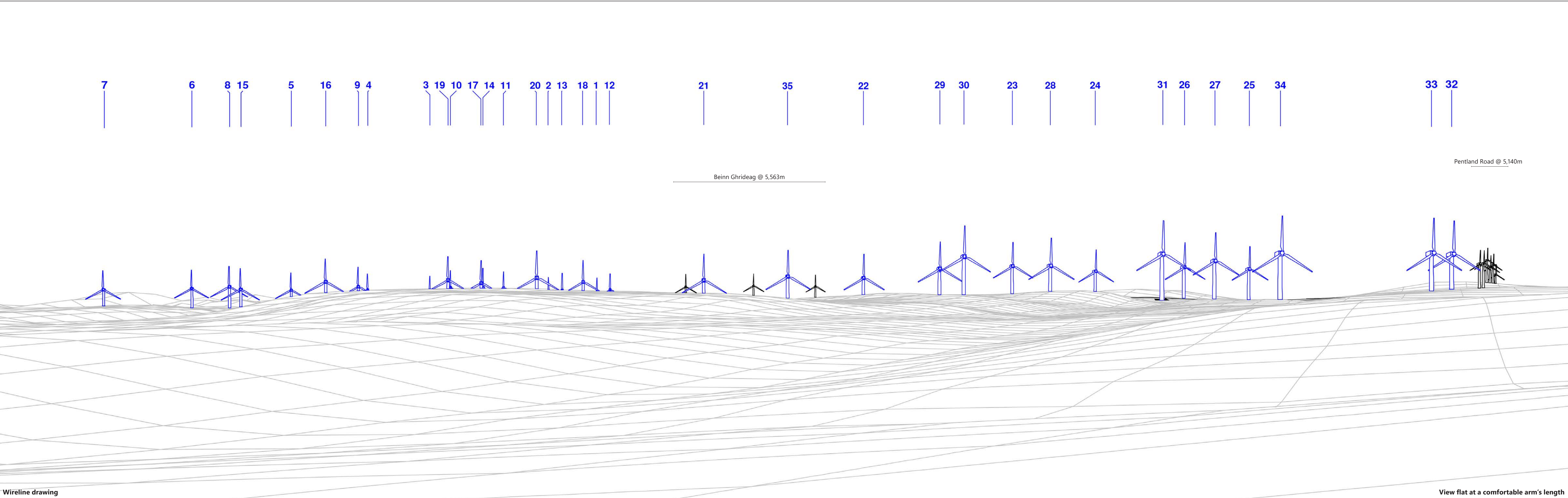
Figure 6.47e  
Viewpoint 25: Newmarket

March 2019





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Wireline drawing

Wind Farm Key: Stornoway Wind Farm Existing Consented

OS reference:	E141 828, N935 786	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	68.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	236°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	2,926m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2018 13:35



Stornoway Wind Farm  
EIA Report

Figure 6.47f  
Viewpoint 25: Newmarket

March 2019







Photomontage

Note:  
Areas of Proposed Plantation Forestry have been illustrated on this photomontage, where visible, and represents the forestry within the 'Planned New Plantings' boundaries as per Figure 9B.3 in the EIA Report

OS reference:	E141 828, N935 786	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	68.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	257°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	2,926m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2018 13:35

Client

**Lewis Wind Power**  
Cumhachd Gaoithe

Stornoway Wind Farm  
EIA Report

**Figure 6.47g**  
**Viewpoint 25: Newmarket**

View flat at a comfortable arm's length

March 2019








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Photomontage

View flat at a comfortable arm's length

Note: Areas of Proposed Plantation Forestry have been illustrated on this photomontage, where visible, and represents the forestry within the 'Planned New Plantings' boundaries as per Figure 9B.3 in the EIA Report			OS reference: Eye level: Direction of view: Nearest turbine:	E141 828, N935 786 68.5m AOD 257° 2,926m	Horizontal field of view: Principal distance: Paper size: Correct printed image size:	90° (cylindrical projection) 522mm 841mm x 297mm (half A1) 820 x 260mm	Camera: Lens: Camera height: Date and time:	Canon EOS 5D Mk2 50mm (Canon EF 50mm f/1.8) 1.5m AGL 29/10/2018 13:35	Client 	Stornoway Wind Farm EIA Report	Figure 6.47h Viewpoint 25: Newmarket	March 2019 	
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