

Barnesmore Windfarm Repowering

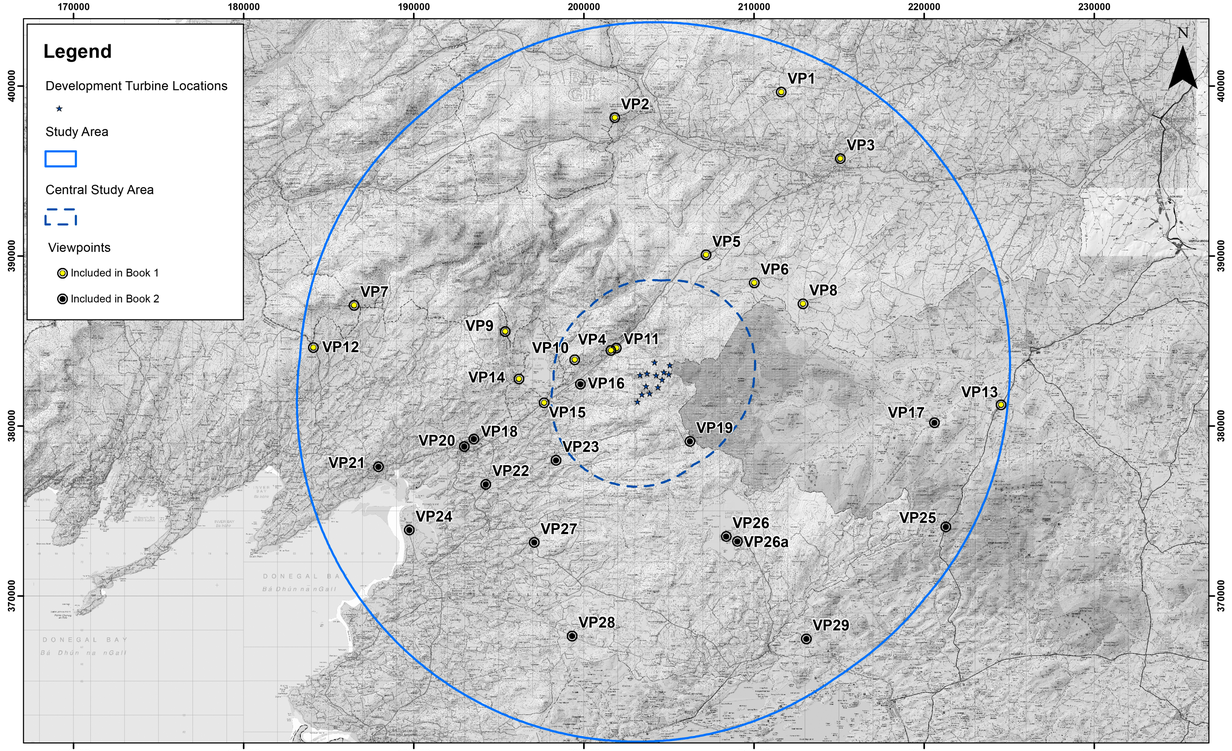
LVIA Viewpoint Photomontages

Book 1: VP1 – VP15

December 2019

www.scottishpowerrenewables.com

SCOTTISHPOWER RENEWABLES



SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	17/10/19	LD	First Issue.

1:180,000
Scale @ A3

0 2.25 4.5 9 Km

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Barnesmore Windfarm Repowering
Viewpoint Locations Map
Figure 11.17

Drg No	190508 5952 BWF
Rev	A
Date	17/10/19
Figure	11.17

Datum: TM65
Projection: TM

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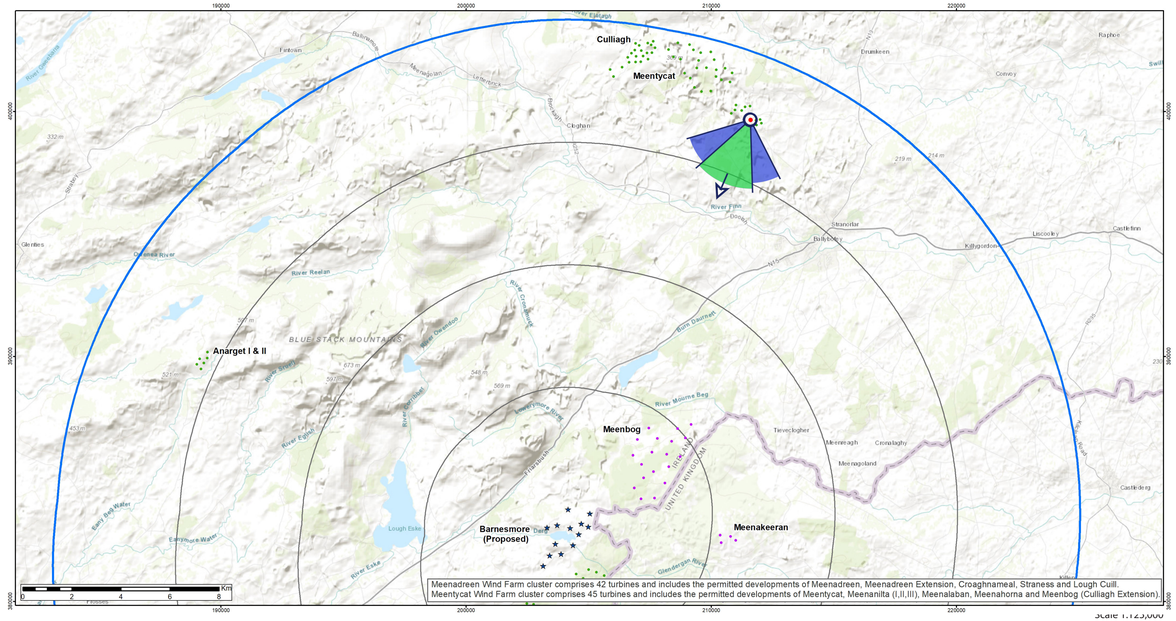
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Local Road at Meenagrauv

Viewpoint Ref: VP1



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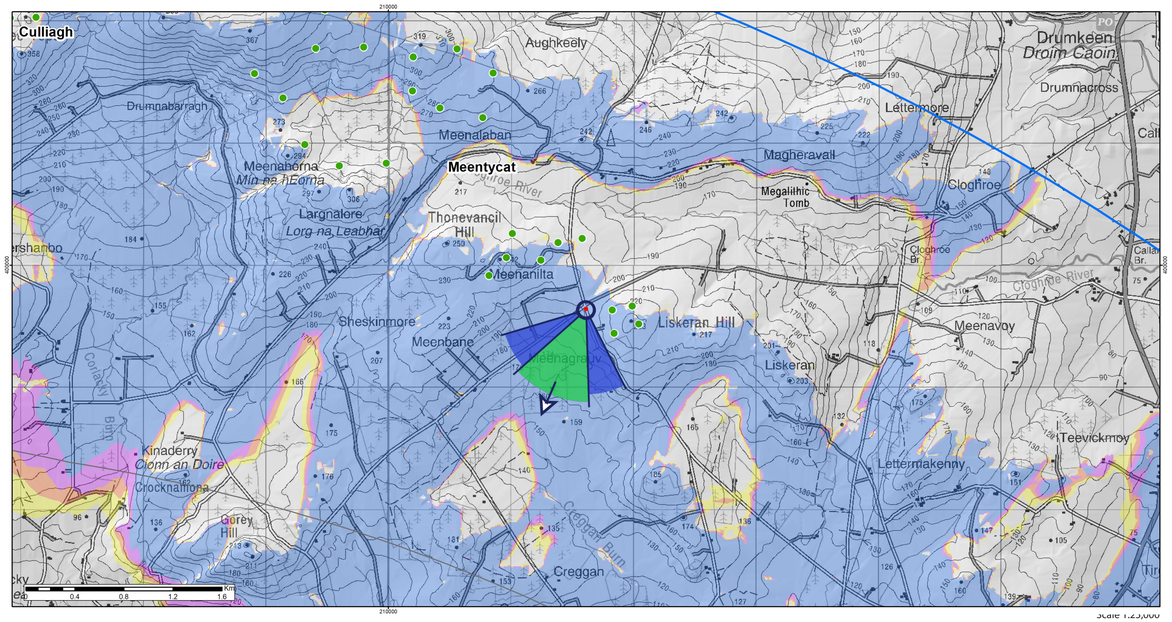


Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	611561
Northing:	899631
Elevation:	200.5 m

Photo Capture Information

Date:	27/06/2019
Time:	10:33
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	13
Number of Turbines Actually Visible:	13
Angle of View Theoretically Occupied by Turbines:	5.3°
Angle of View Actually Occupied by Turbines:	5.3°
Distance to Nearest Turbine:	17.4 km
Distance to Nearest Visible Turbine:	17.4 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local Road at Meenagrauv Viewpoint Ref: VP1 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local Road at Meenagrauv Viewpoint Ref: VP1 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

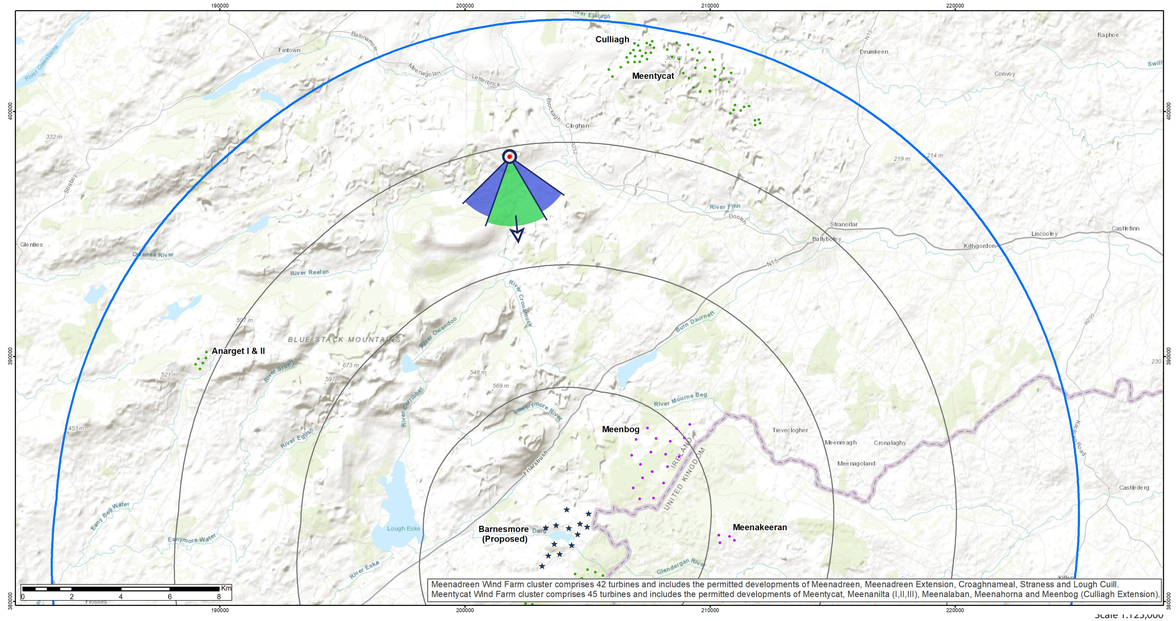
Local Road at Meenagrauv Viewpoint Ref: VP1 Cumulative View



To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	601771
Northing:	898128
Elevation:	191.6 m

Photo Capture Information

Date:	27/06/2019
Time:	09:55
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

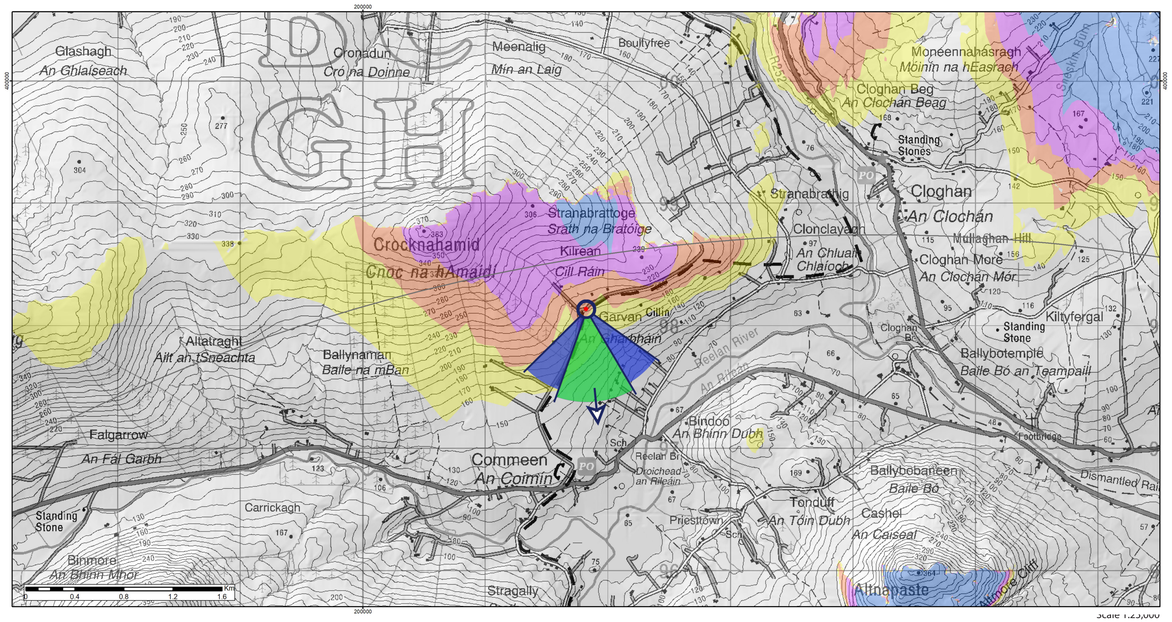
Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	0
Number of Turbines Actually Visible:	0
Angle of View Theoretically Occupied by Turbines:	2.4°
Angle of View Actually Occupied by Turbines:	2.4°
Distance to Nearest Turbine:	14.6 km
Distance to Nearest Visible Turbine:	14.6 km

Donegal Way - Slí na Finne at Kilrean

Viewpoint Ref: VP2



Scale 1:25,000

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Donegal Way - Slí na Finne at Kilrean Viewpoint Ref: VP2 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Donegal Way - Slí na Finne at Kilrean Viewpoint Ref: VP2 Montage View



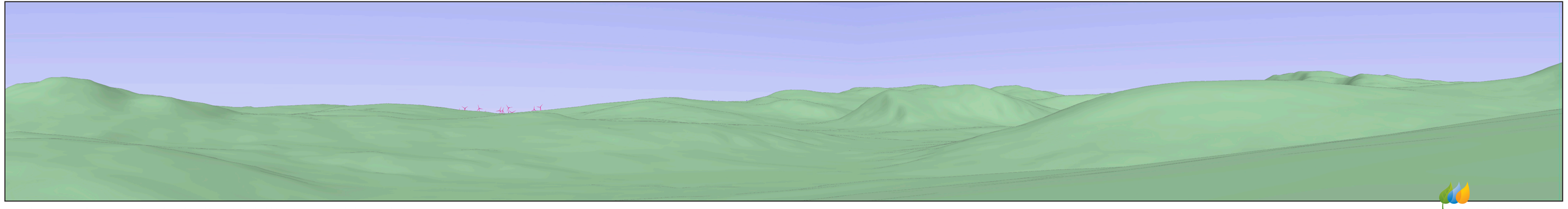
This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Donegal Way - Slí na Finne at Kilrean Viewpoint Ref: VP2 Cumulative View





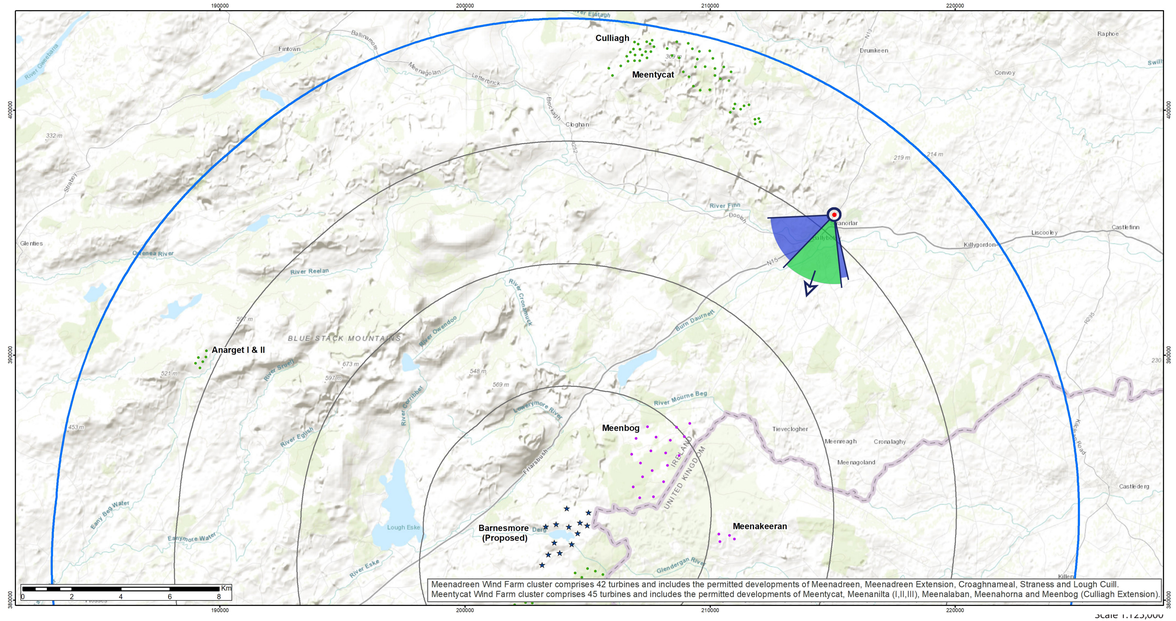
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

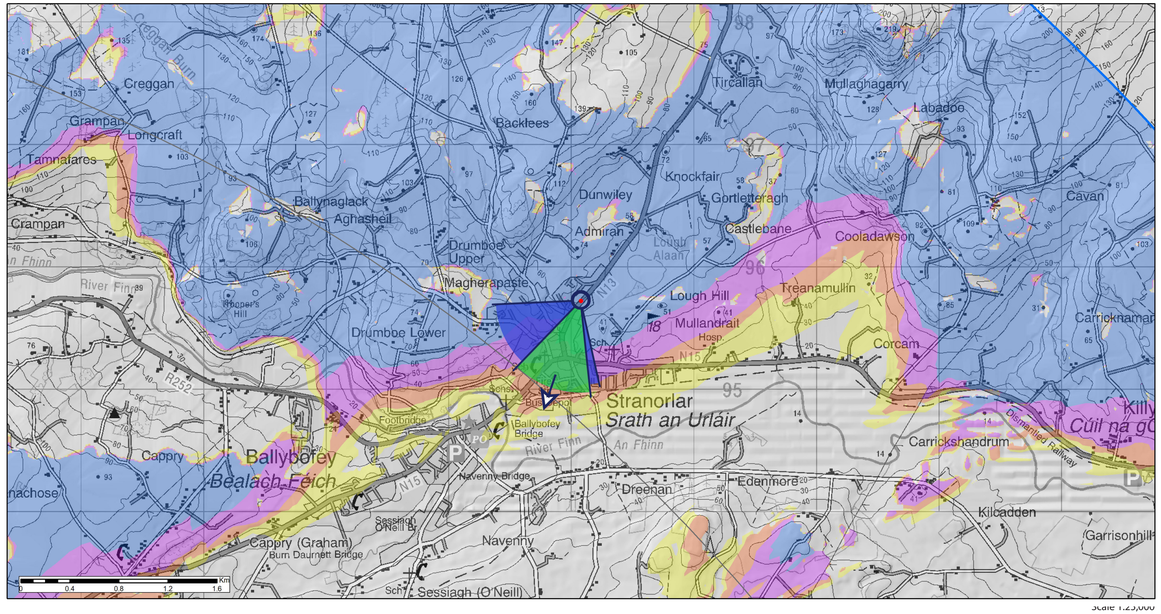
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

N15 at Ballybofey

Viewpoint Ref: VP3



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	615027
Northing:	895713
Elevation:	49.4 m

Photo Capture Information

Date:	27/06/2019
Time:	10:57
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	7
Number of Turbines Actually Visible:	3
Angle of View Theoretically Occupied by Turbines:	4.8°
Angle of View Actually Occupied by Turbines:	1.9°
Distance to Nearest Turbine:	15.8 km
Distance to Nearest Visible Turbine:	15.8 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 at Ballybofey Viewpoint Ref: VP3 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 at Ballybofey Viewpoint Ref: VP3 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

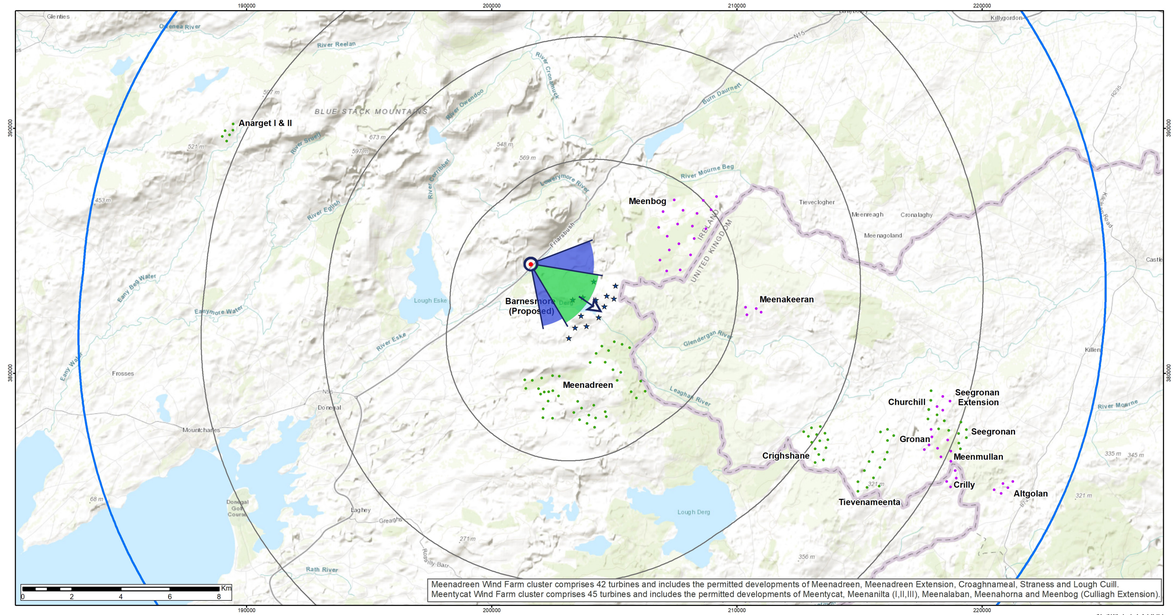
N15 at Ballybofey Viewpoint Ref: VP3 Cumulative View



To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	601550
Northing:	884434
Elevation:	90.2 m

Photo Capture Information

Date:	09/04/2019
Time:	16:32
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

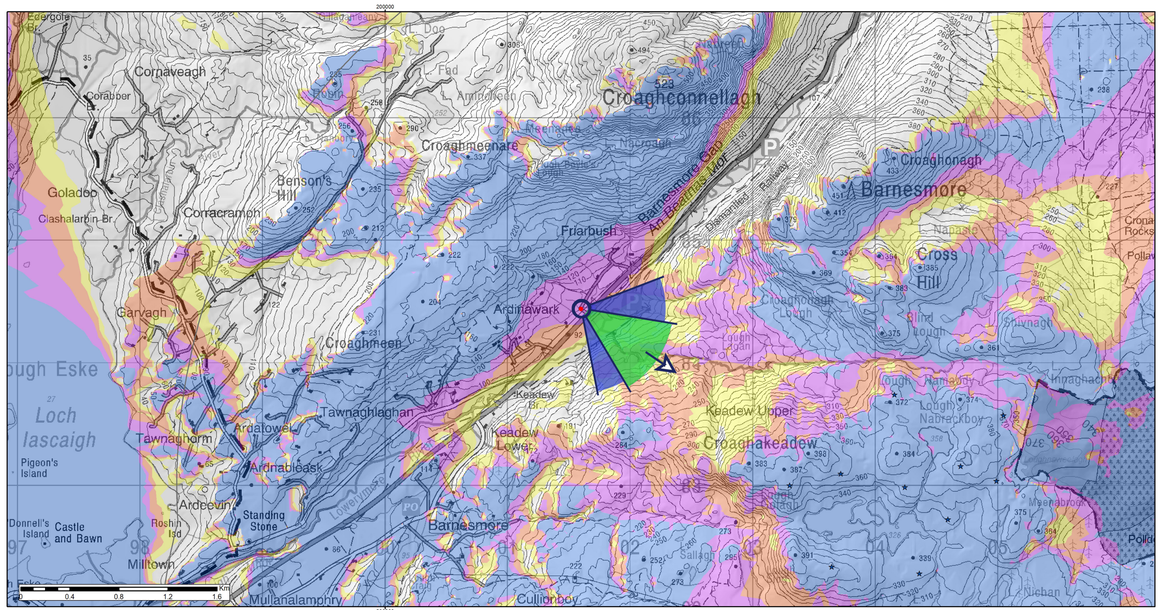
Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	4
Number of Turbines Actually Visible:	4
Angle of View Theoretically Occupied by Turbines:	34.5°
Angle of View Actually Occupied by Turbines:	34.5°
Distance to Nearest Turbine:	2.2 km
Distance to Nearest Visible Turbine:	2.2 km

Local road junction with N15 Northwest of Site

Viewpoint Ref: VP4



Scale 1:25,000

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road junction with N15 Northwest of Site Viewpoint Ref: VP4 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road junction with N15 Northwest of Site Viewpoint Ref: VP4 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

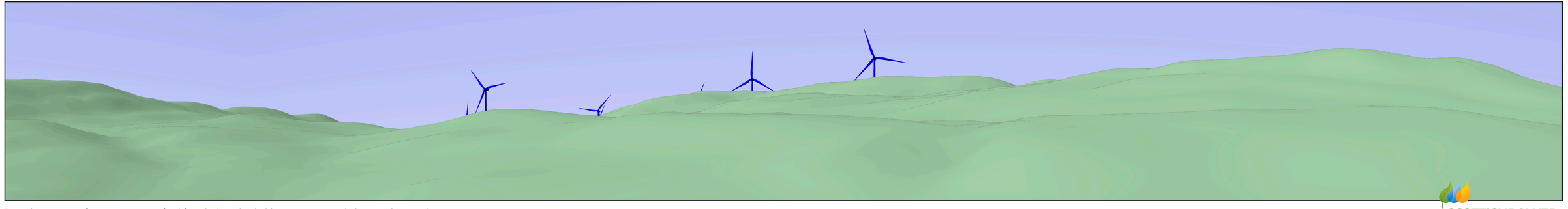
SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road junction with N15 Northwest of Site Viewpoint Ref: VP4 Cumulative View



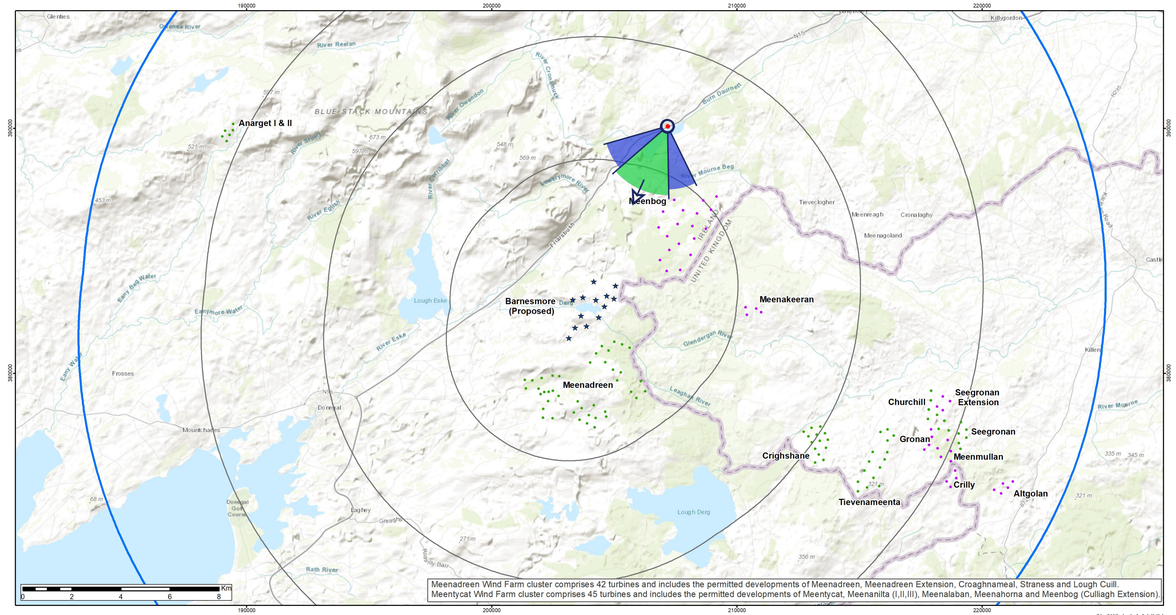
Barnesmore (Proposed)



To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

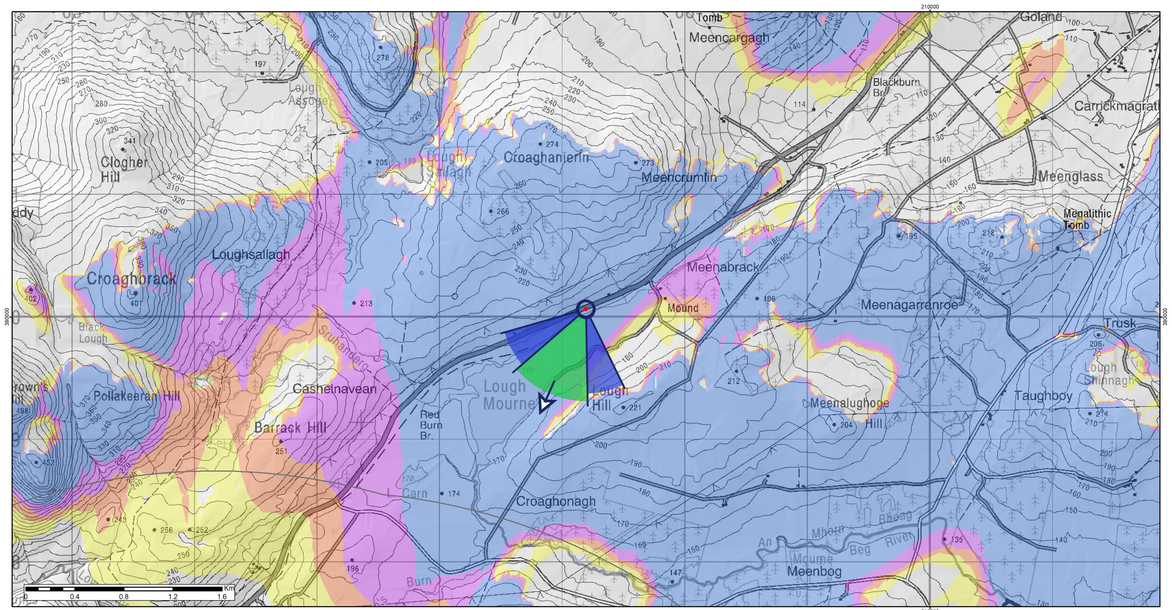
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

N15 Scenic View at Lough Mourne

Viewpoint Ref: VP5



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	607143
Northing:	890056
Elevation:	174.1 m

Photo Capture Information

Date:	09/04/2019
Time:	12:18
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	9
Number of Turbines Actually Visible:	9
Angle of View Theoretically Occupied by Turbines:	12.5°
Angle of View Actually Occupied by Turbines:	12.5°
Distance to Nearest Turbine:	6.8 km
Distance to Nearest Visible Turbine:	6.8 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 Scenic View at Lough Mourne Viewpoint Ref: VP5 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 Scenic View at Lough Mourne Viewpoint Ref: VP5 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 Scenic View at Lough Mourne Viewpoint Ref: VP5 Cumulative View



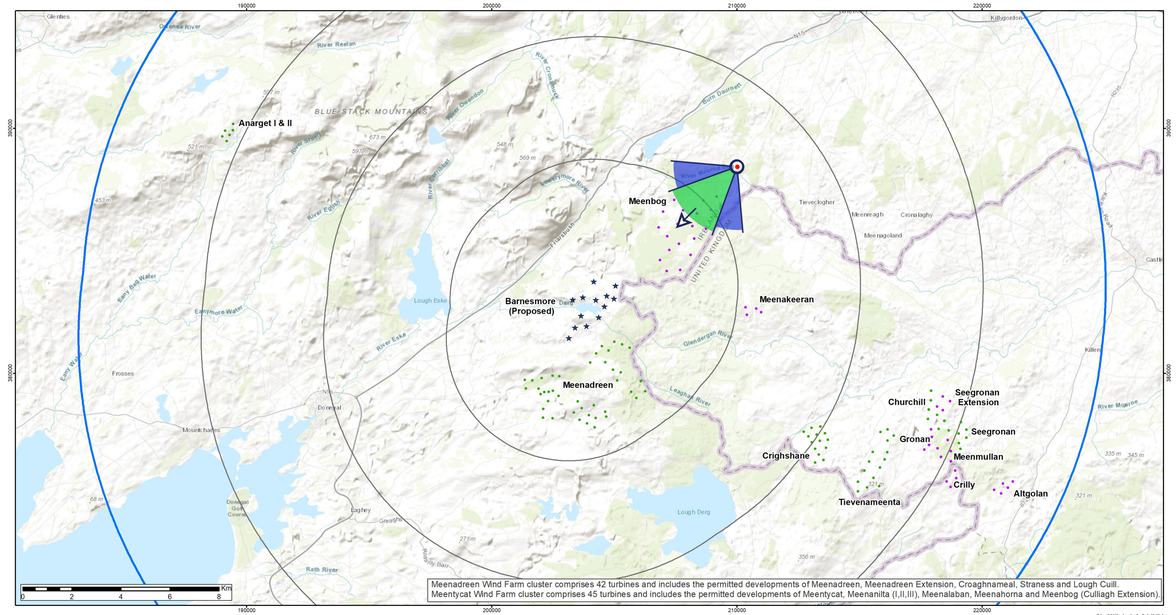
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Local road at Meenbog

Viewpoint Ref: VP6



Positional Information

National Grid Cordinate (ITM)	
Easting:	609976
Northing:	888414
Elevation:	139.2 m

Photo Capture Information

Date:	09/04/2019
Time:	13:09
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	10
Number of Turbines Actually Visible:	10
Angle of View Theoretically Occupied by Turbines:	9.9°
Angle of View Actually Occupied by Turbines:	9.6°
Distance to Nearest Turbine:	6.9 km
Distance to Nearest Visible Turbine:	6.9 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Meenbog Viewpoint Ref: VP6 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Meenbog Viewpoint Ref: VP6 Montage View



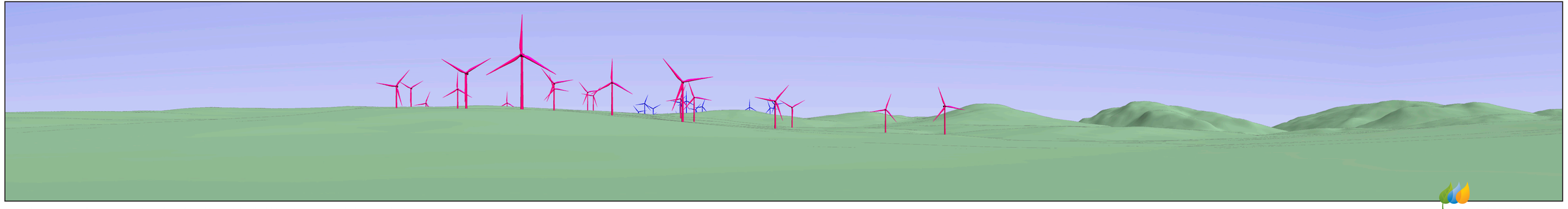
This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Meenbog Viewpoint Ref: VP6 Cumulative View

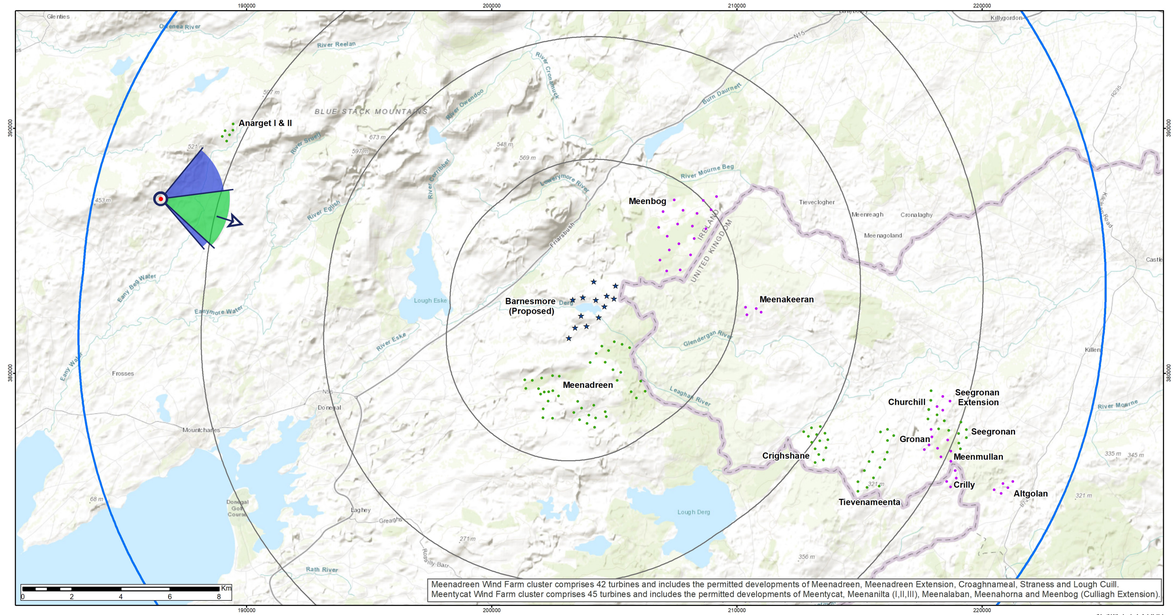




To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	586461
Northing:	887094
Elevation:	250.3 m

Photo Capture Information

Date:	26/06/2019
Time:	18:26
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

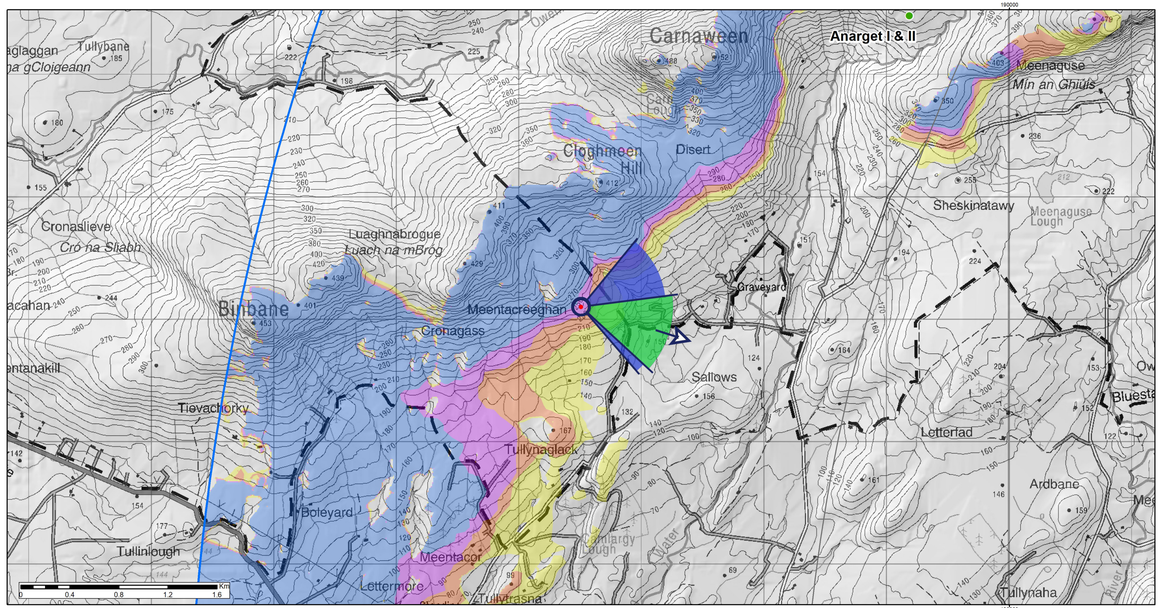
Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	0
Number of Turbines Actually Visible:	0
Angle of View Theoretically Occupied by Turbines:	6°
Angle of View Actually Occupied by Turbines:	6°
Distance to Nearest Turbine:	17.3 km
Distance to Nearest Visible Turbine:	17.3 km

Bluestack Way at Sallows

Viewpoint Ref: VP7



Scale 1:25,000

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestack Way at Sallows Viewpoint Ref: VP7 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestack Way at Sallows Viewpoint Ref: VP7 Montage View



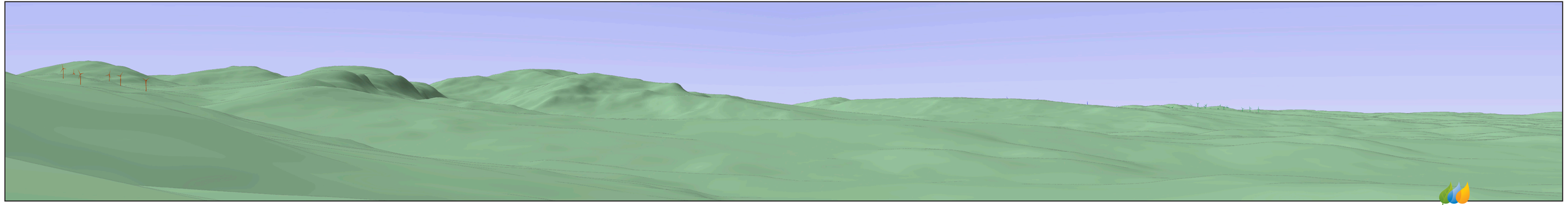
This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestack Way at Sallows Viewpoint Ref: VP7 Cumulative View

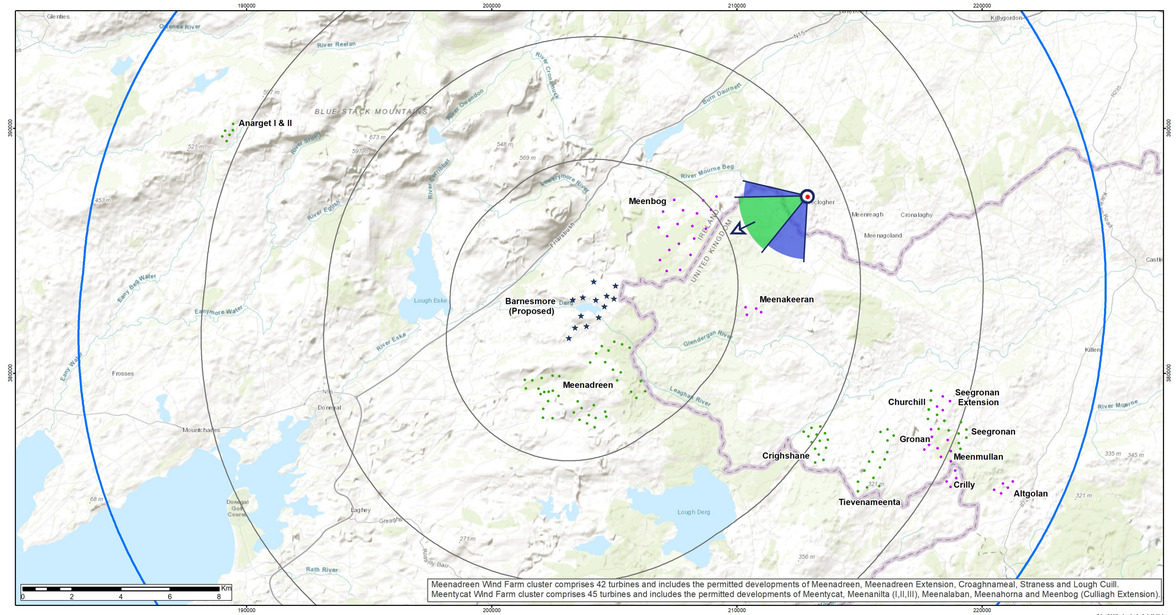




To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	612840
Northing:	887182
Elevation:	158.2 m

Photo Capture Information

Date:	09/04/2019
Time:	13:27
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

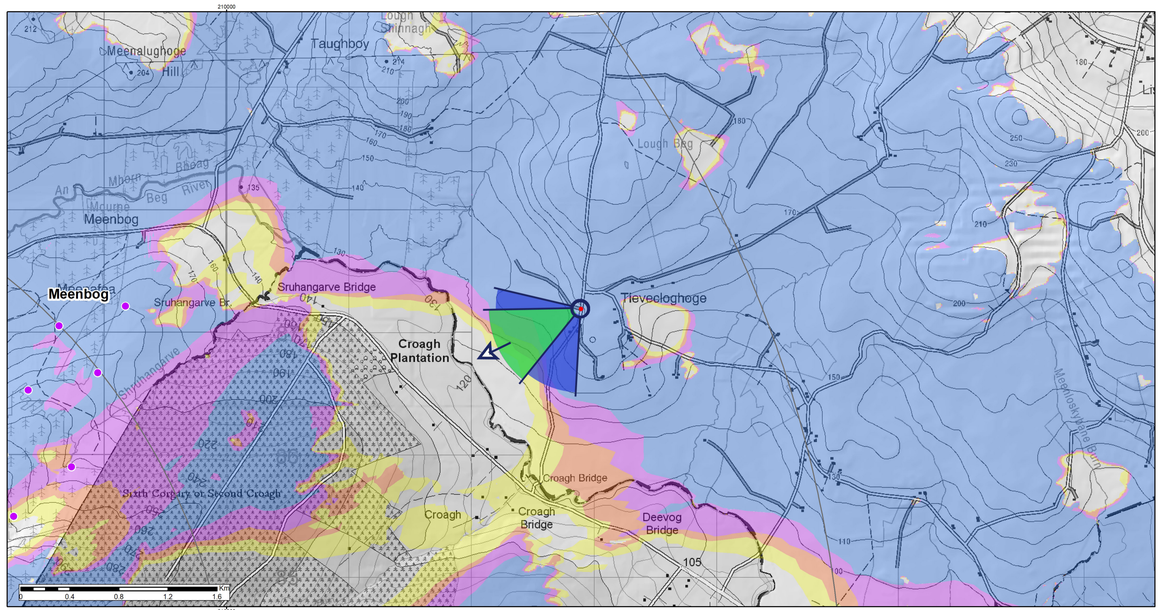
Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	9
Number of Turbines Actually Visible:	6
Angle of View Theoretically Occupied by Turbines:	9.5°
Angle of View Actually Occupied by Turbines:	9.2°
Distance to Nearest Turbine:	8.6 km
Distance to Nearest Visible Turbine:	8.6 km

Local Road at Toughboy

Viewpoint Ref: VP8



Scale 1:25,000

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local Road at Toughboy Viewpoint Ref: VP8 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local Road at Toughboy Viewpoint Ref: VP8 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local Road at Toughboy Viewpoint Ref: VP8 Cumulative View



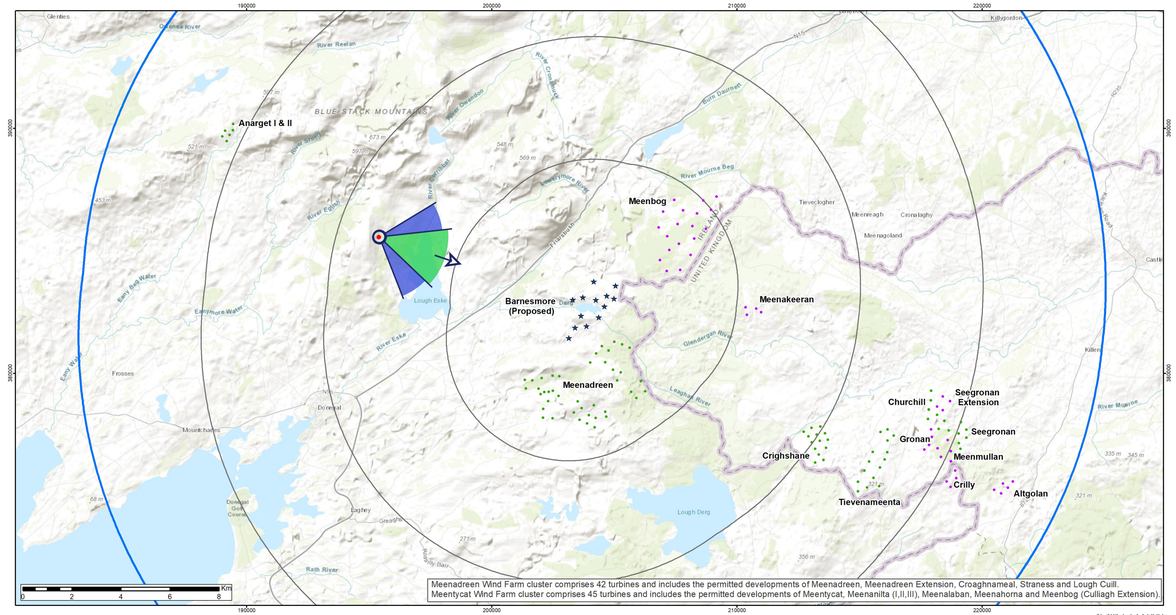
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

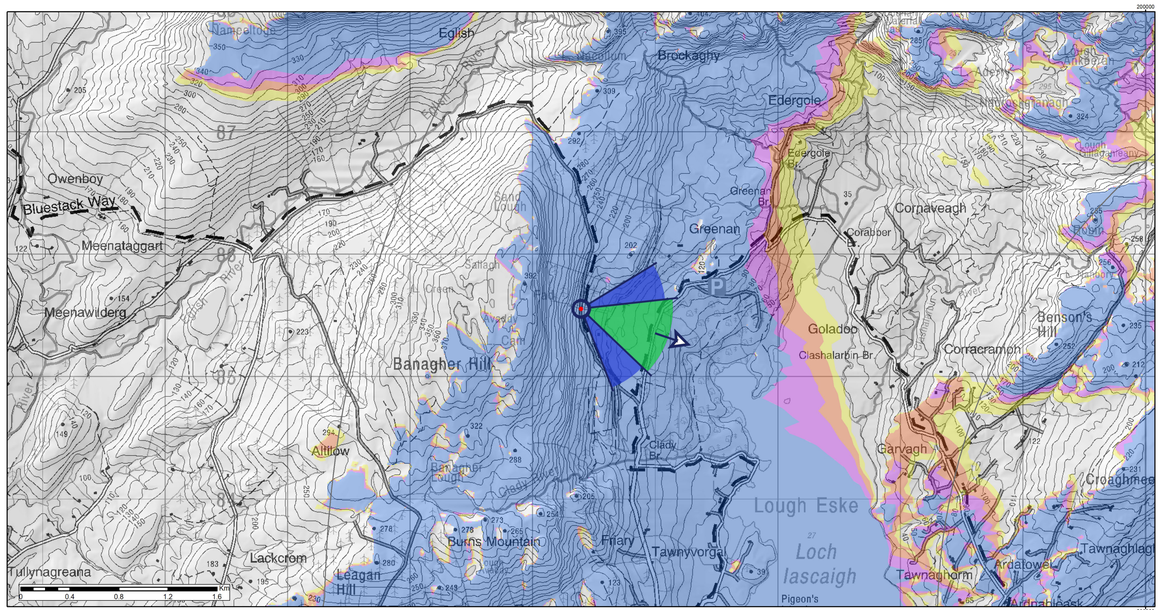
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Bluestack Way at Greenan

Viewpoint Ref: VP9



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	595346
Northing:	885546
Elevation:	190.9 m

Photo Capture Information

Date:	09/04/2019
Time:	17:10
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	13
Number of Turbines Actually Visible:	13
Angle of View Theoretically Occupied by Turbines:	17.4°
Angle of View Actually Occupied by Turbines:	17.4°
Distance to Nearest Turbine:	8.3 km
Distance to Nearest Visible Turbine:	8.3 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestack Way at Greenan Viewpoint Ref: VP9 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestack Way at Greenan Viewpoint Ref: VP9 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestack Way at Greenan Viewpoint Ref: VP9 Cumulative View



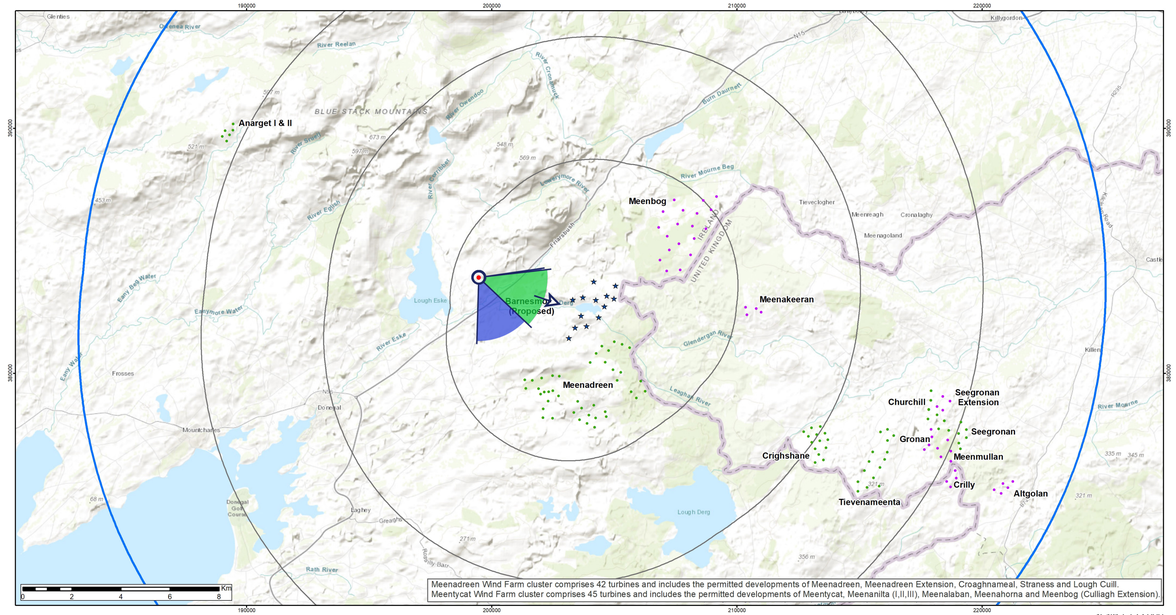
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

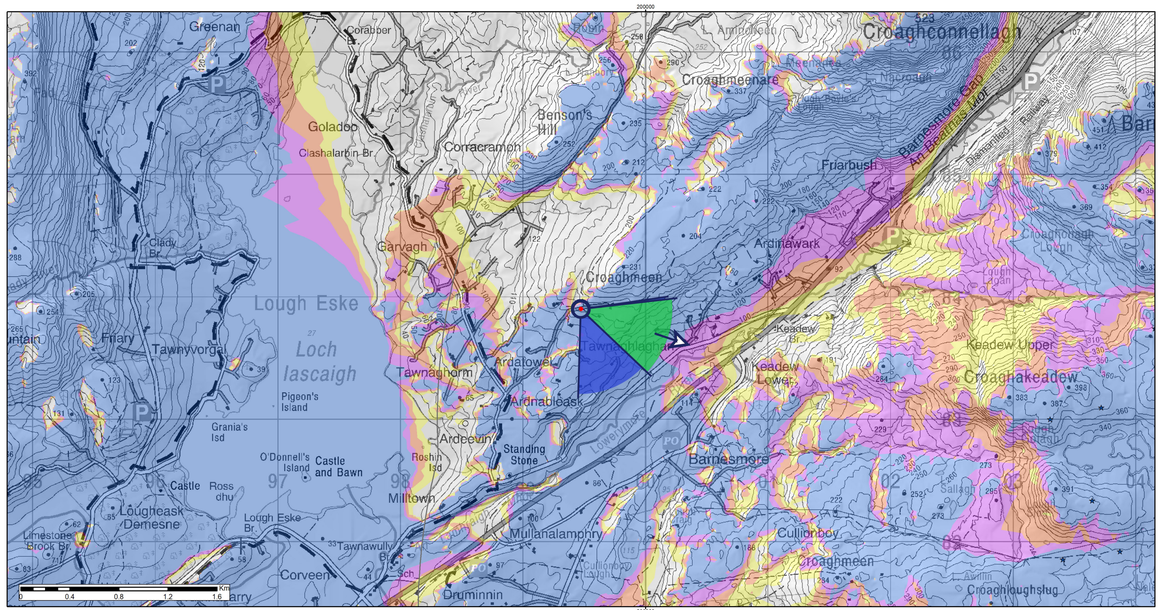
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Local road at Tawnaghlahan

Viewpoint Ref: VP10



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	599425
Northing:	883895
Elevation:	163.6 m

Photo Capture Information

Date:	26/06/2019
Time:	16:06
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	11
Number of Turbines Actually Visible:	11
Angle of View Theoretically Occupied by Turbines:	33.9°
Angle of View Actually Occupied by Turbines:	33.9°
Distance to Nearest Turbine:	3.9 km
Distance to Nearest Visible Turbine:	3.9 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Tawnaghlahan Viewpoint Ref: VP10 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Tawnaghlahan Viewpoint Ref: VP10 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Tawnaghlahan Viewpoint Ref: VP10 Cumulative View



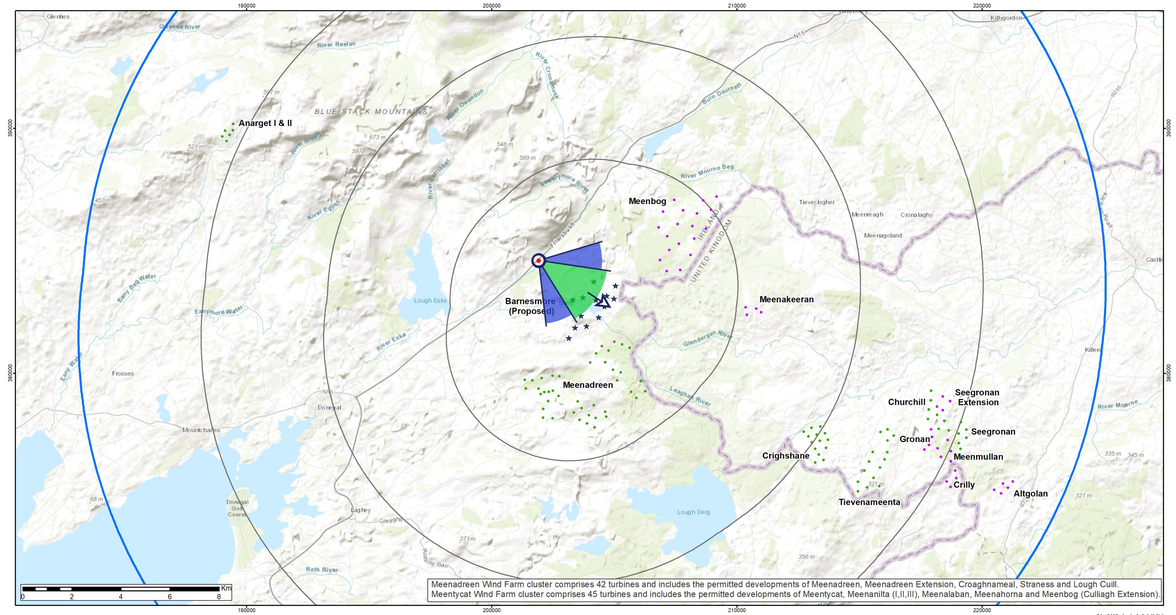
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

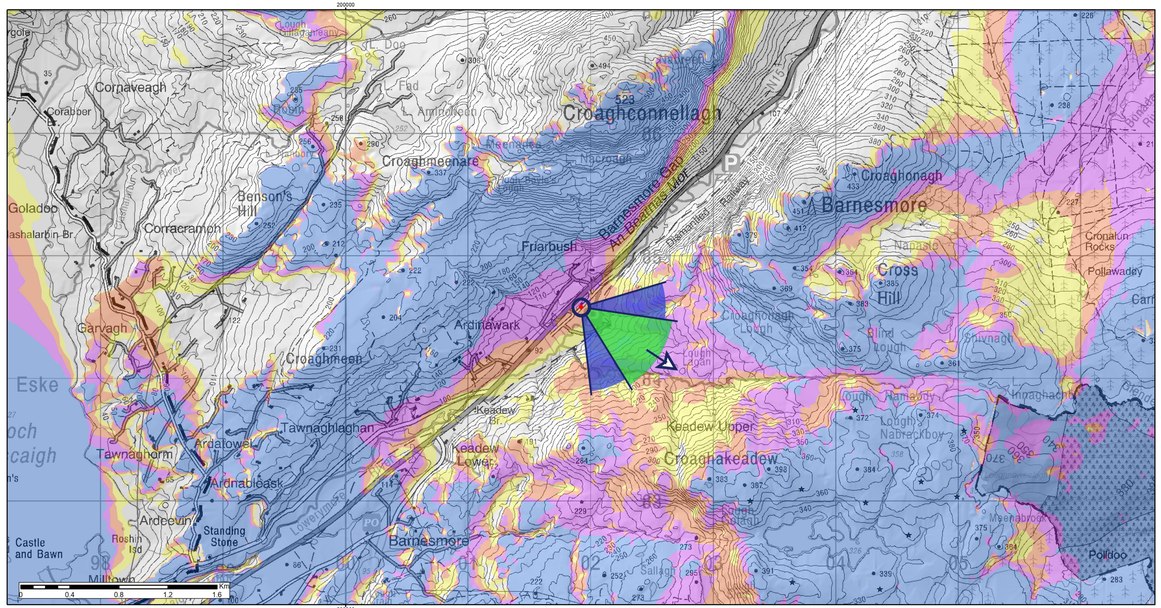
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Biddy O'Barnes Public House

Viewpoint Ref: VP11



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	601871
Northing:	884577
Elevation:	90 m

Photo Capture Information

Date:	26/06/2019
Time:	16:29
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	3
Number of Turbines Actually Visible:	3
Angle of View Theoretically Occupied by Turbines:	33.9°
Angle of View Actually Occupied by Turbines:	33.9°
Distance to Nearest Turbine:	2.1 km
Distance to Nearest Visible Turbine:	2.1 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Biddy O'Barnes Public House Viewpoint Ref: VP11 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Biddy O'Barnes Public House Viewpoint Ref: VP11 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Biddy O'Barnes Public House Viewpoint Ref: VP11 Cumulative View



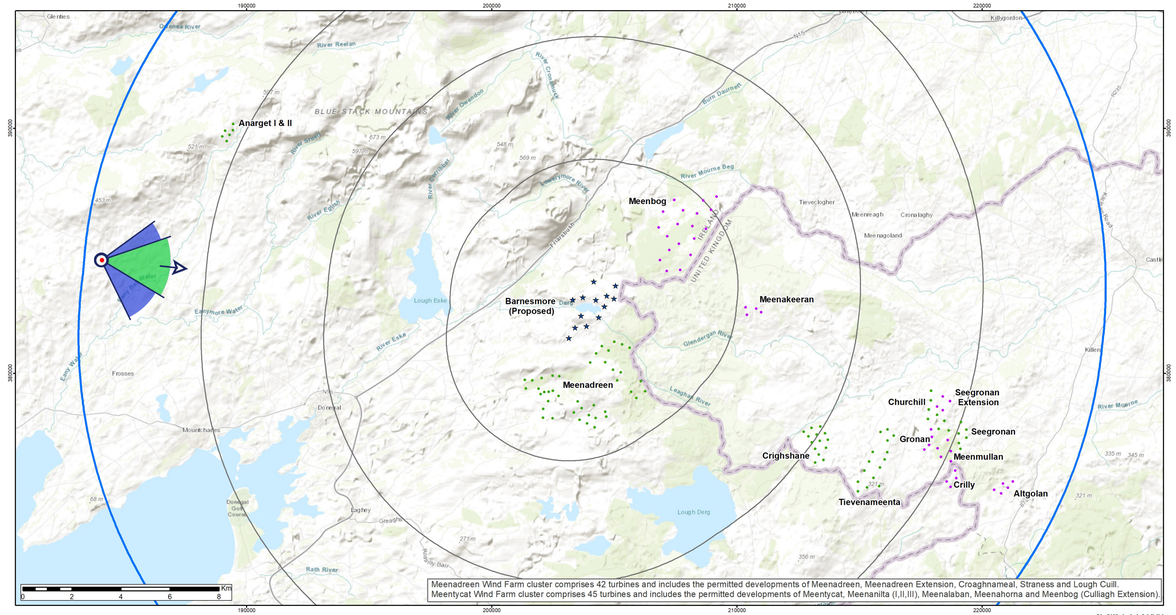
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

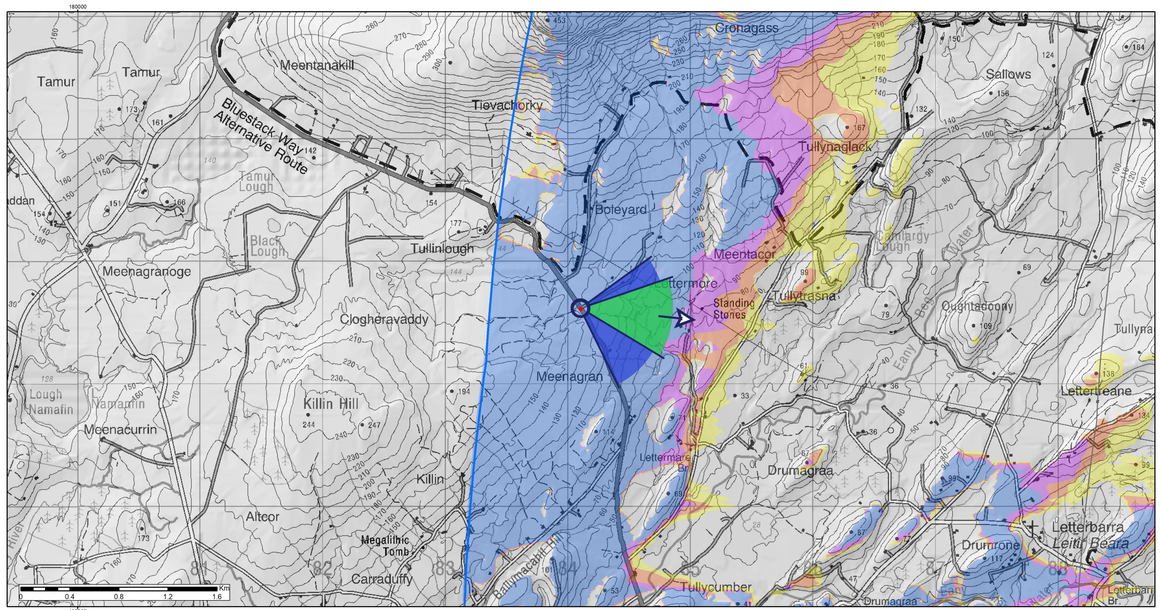
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

R262 at Meenagran

Viewpoint Ref: VP12



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)
Easting: 584062
Northing: 884605
Elevation: 128.2 m

Photo Capture Information

Date: 26/06/2019
Time: 17:47

Camera: Canon 5D Mark II
Lens / Focal Length: Fixed 50mm
Camera Height: 1.7m (AGL)

Turbine Information

Turbine Dimensions
Nacelle Height: 101.0 m
Rotor Diamater: 158.0 m
Tip Height: 180.0 m

Visibility Information

Number of Turbines Theoretically Visible: 9
Number of Turbines Actually Visible: 9

Angle of View Theoretically Occupied by Turbines: 7.5°
Angle of View Actually Occupied by Turbines: 7.5°

Distance to Nearest Turbine: 19.3 km
Distance to Nearest Visible Turbine: 19.3 km

ZTV Parameters

Turbine Blade Tip Height: 180.0 m
Observer Height - Eye Level: 1.7 m

Height Data Source: OSI 10m DTM
Height Data Resolution: 10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)
Cumulative Montage FoV (100°)
Viewpoint Location

5km Radius
20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3
3 - 6
6 - 9
9 - 13

Cumulative Windfarm Status

Consented
Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

R262 at Meenagran Viewpoint Ref: VP12 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

R262 at Meenagran Viewpoint Ref: VP12 Montage View



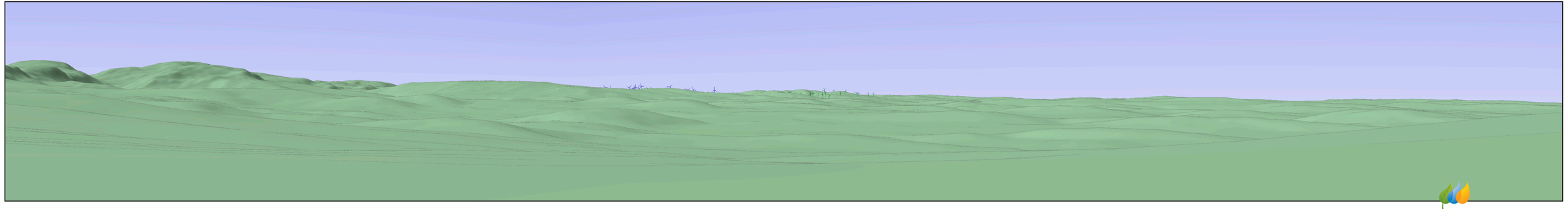
This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

R262 at Meenagran Viewpoint Ref: VP12 Cumulative View





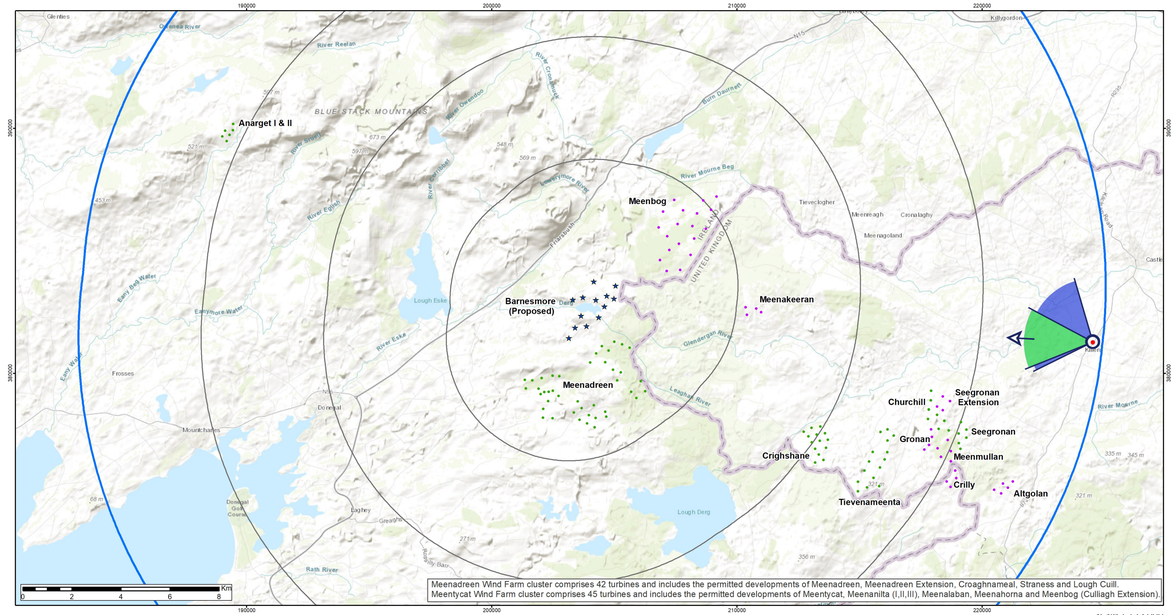
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

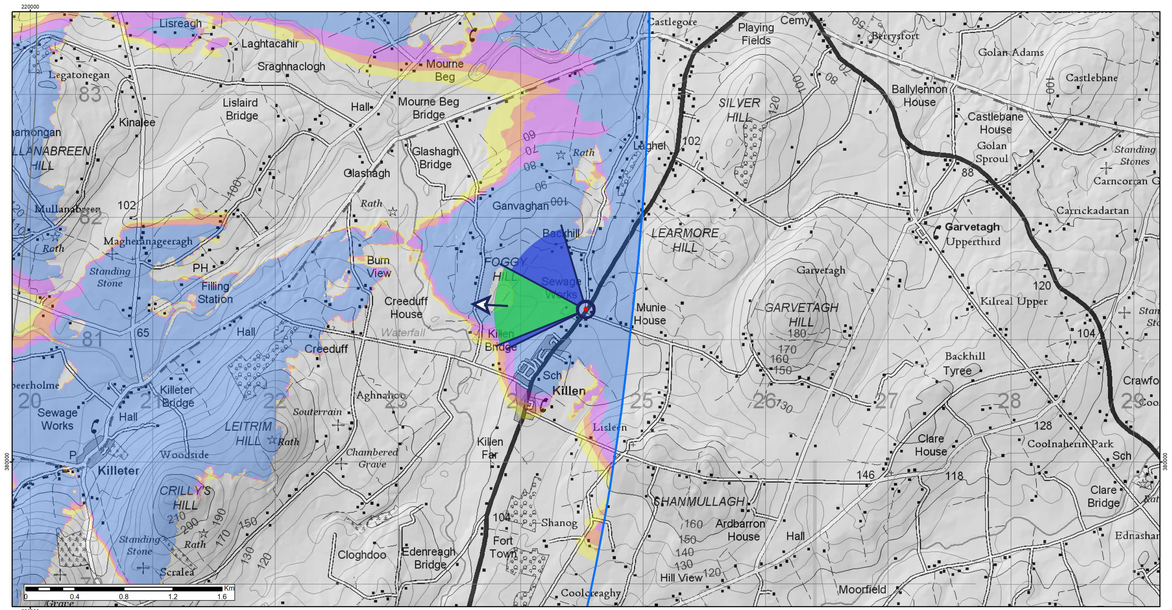
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

B72 at Killen

Viewpoint Ref: VP13



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	624480
Northing:	881242
Elevation:	91.5 m

Photo Capture Information

Date:	27/06/2019
Time:	11:27
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	13
Number of Turbines Actually Visible:	13
Angle of View Theoretically Occupied by Turbines:	7°
Angle of View Actually Occupied by Turbines:	7°
Distance to Nearest Turbine:	19.6 km
Distance to Nearest Visible Turbine:	19.6 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

B72 at Killen Viewpoint Ref: VP13 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

B72 at Killen Viewpoint Ref: VP13 Montage View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

B72 at Killen Viewpoint Ref: VP13 Cumulative View



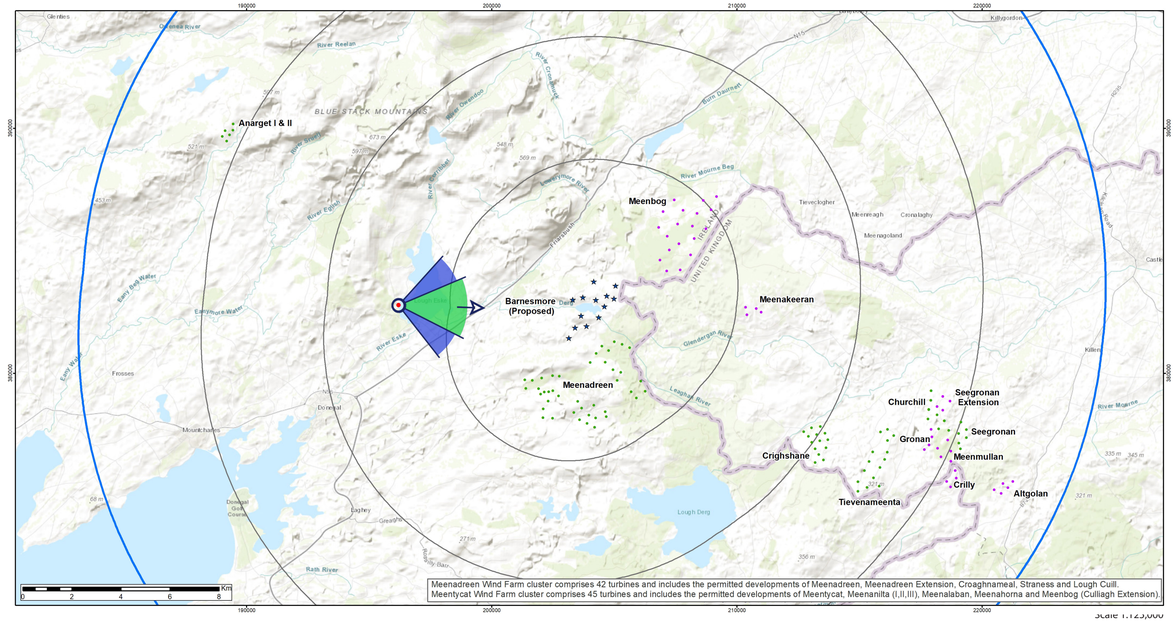
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

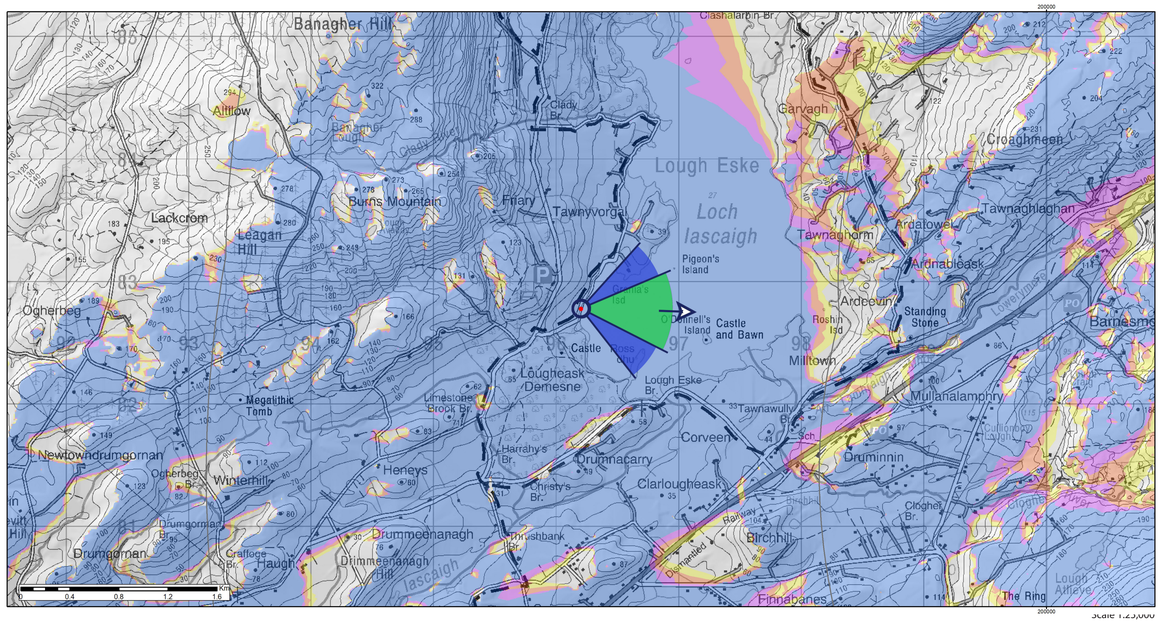
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Bluestacks Way at Lough Eske

Viewpoint Ref: VP14



Scale 1:125,000



Scale 1:25,000

Positional Information

National Grid Cordinate (ITM)
Easting: 596154
Northing: 882769
Elevation: 30.2 m

Photo Capture Information

Date: 09/04/2019
Time: 16:57

Camera: Canon 5D Mark II
Lens / Focal Length: Fixed 50mm
Camera Height: 1.7m (AGL)

Turbine Information

Turbine Dimensions
Nacelle Height: 101.0 m
Rotor Diamater: 158.0 m
Tip Height: 180.0 m

Visibility Information

Number of Turbines Theoretically Visible: 13
Number of Turbines Actually Visible: 13

Angle of View Theoretically Occupied by Turbines: 19.1°
Angle of View Actually Occupied by Turbines: 19.1°

Distance to Nearest Turbine: 7.1 km
Distance to Nearest Visible Turbine: 7.1 km

ZTV Parameters

Turbine Blade Tip Height: 180.0 m
Observer Height - Eye Level: 1.7 m

Height Data Source: OSI 10m DTM
Height Data Resolution: 10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations
Montage FoV (50°)
Cumulative Montage FoV (100°)
Viewpoint Location
5km Radius
20km Extent (Study Area)

Theoretical Turbine Visibility
1 - 3
3 - 6
6 - 9
9 - 13

Cumulative Windfarm Status
Consented
Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestacks Way at Lough Eske Viewpoint Ref: VP14 Existing View



This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestacks Way at Lough Eske Viewpoint Ref: VP14 Montage View



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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Bluestacks Way at Lough Eske Viewpoint Ref: VP14 Cumulative View



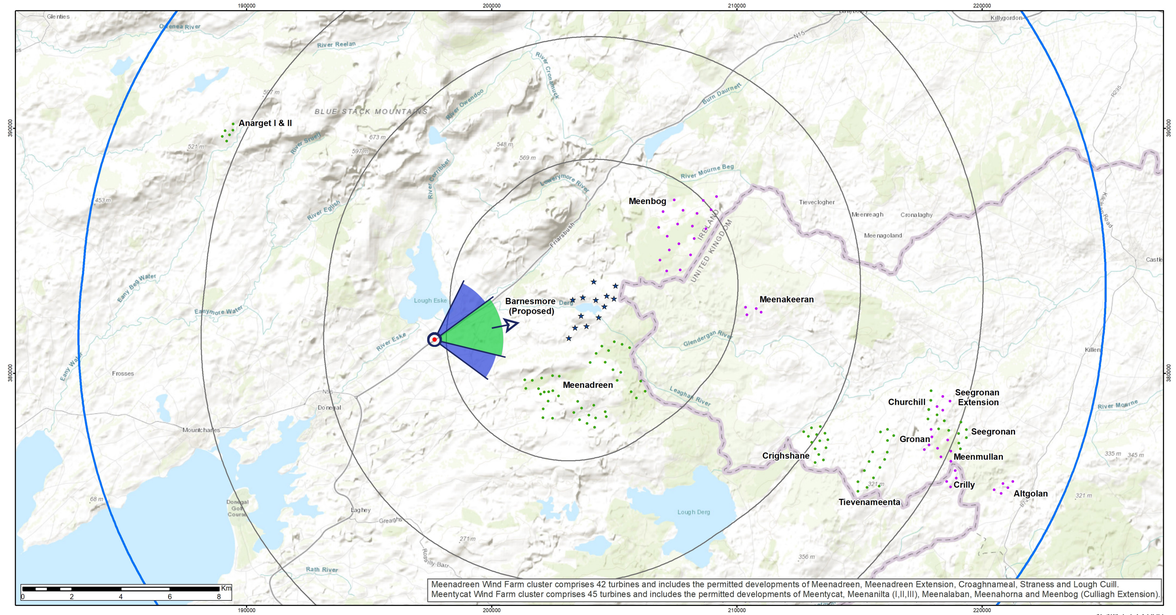
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

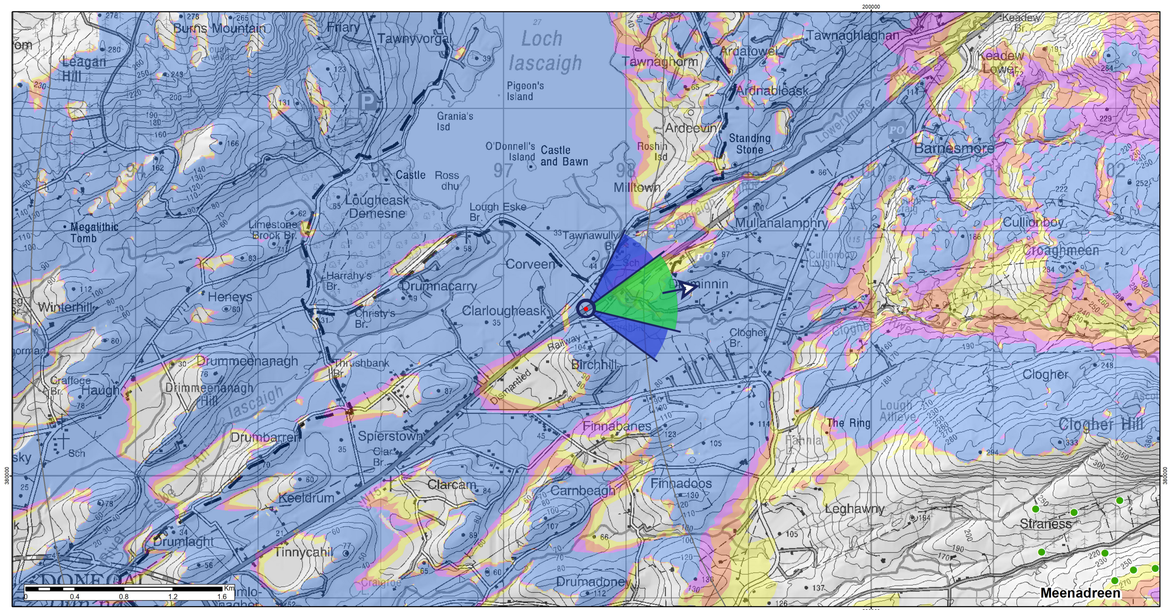
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

N15 South-west of Site

Viewpoint Ref: VP15



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	597626
Northing:	881357
Elevation:	49.1 m

Photo Capture Information

Date:	09/04/2019
Time:	16:24
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	10
Number of Turbines Actually Visible:	10
Angle of View Theoretically Occupied by Turbines:	21°
Angle of View Actually Occupied by Turbines:	21°
Distance to Nearest Turbine:	5.5 km
Distance to Nearest Visible Turbine:	5.5 km

ZTV Parameters

Turbine Blade Tip Height:	180.0 m
Observer Height - Eye Level:	1.7 m
Height Data Source:	OSI 10m DTM
Height Data Resolution:	10m

DTM Height data does not account for non-landform features such as vegetation and buildings

★ Proposed Turbine Locations

Montage FoV (50°)

Cumulative Montage FoV (100°)

Viewpoint Location

5km Radius

20km Extent (Study Area)

Theoretical Turbine Visibility

1 - 3

3 - 6

6 - 9

9 - 13

Cumulative Windfarm Status

Consented

Operational

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 South-west of Site Viewpoint Ref: VP15 Existing View



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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 South-west of Site Viewpoint Ref: VP15 Montage View



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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 South-west of Site Viewpoint Ref: VP15 Cumulative View



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SCOTTISHPOWER RENEWABLES

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