

Barnesmore Windfarm Repowering

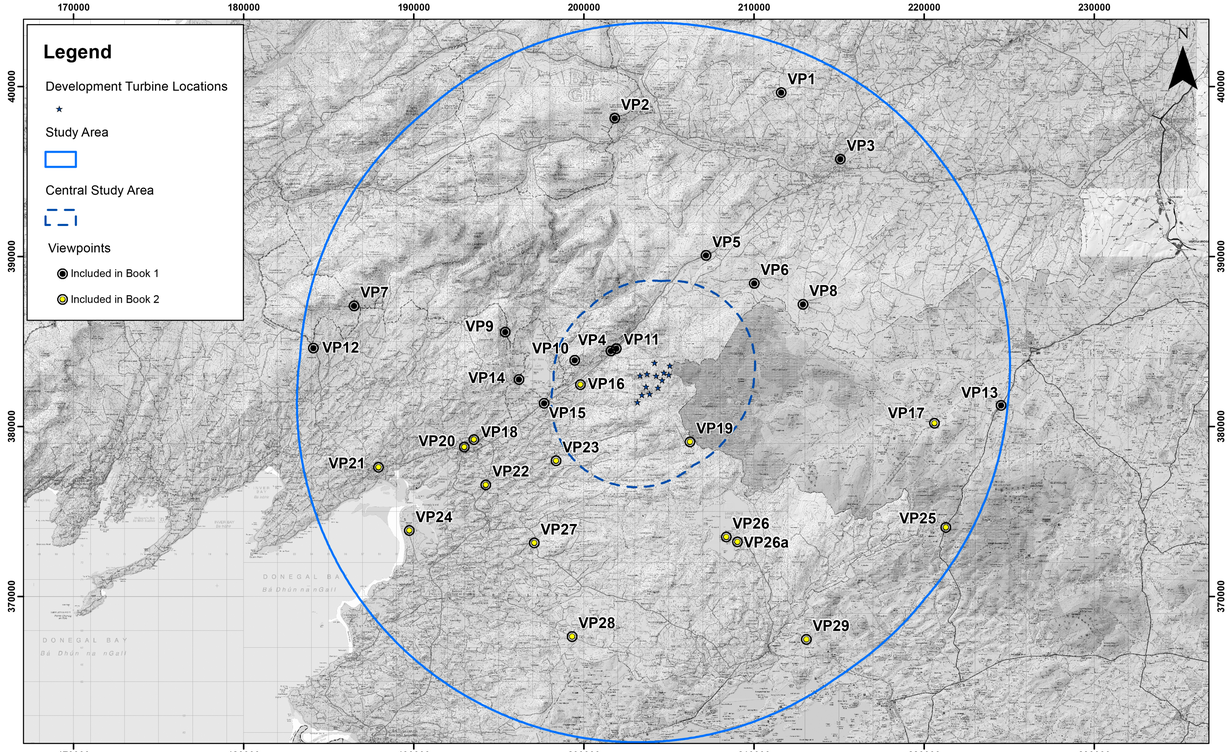
LVIA Viewpoint Photomontages

Book 2: VP16 – VP29

December 2019

www.scottishpowerrenewables.com

SCOTTISHPOWER RENEWABLES



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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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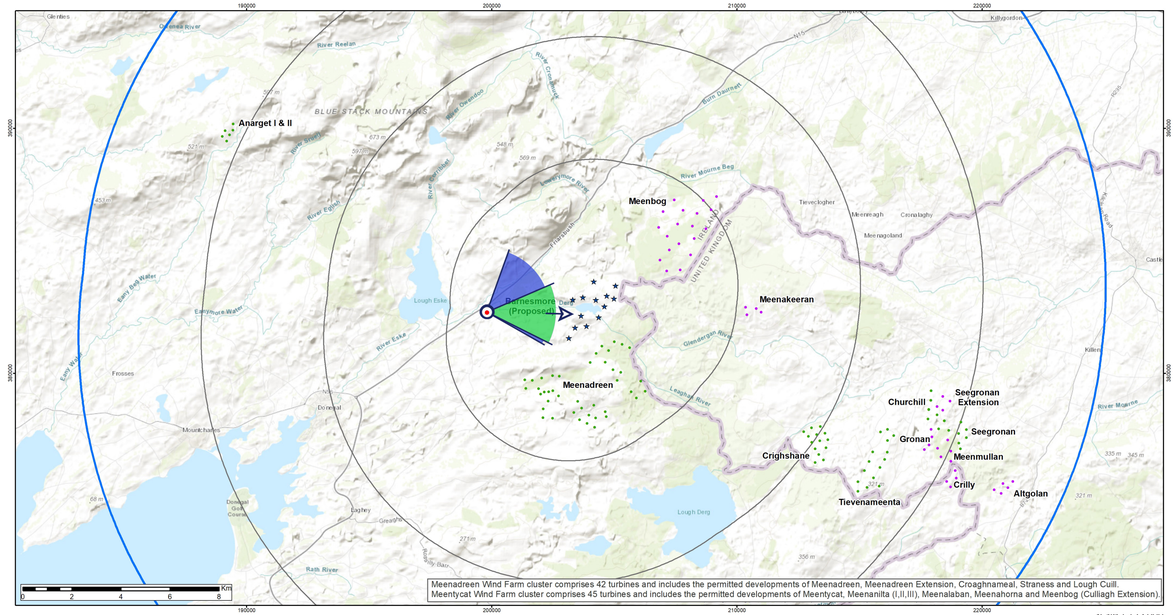
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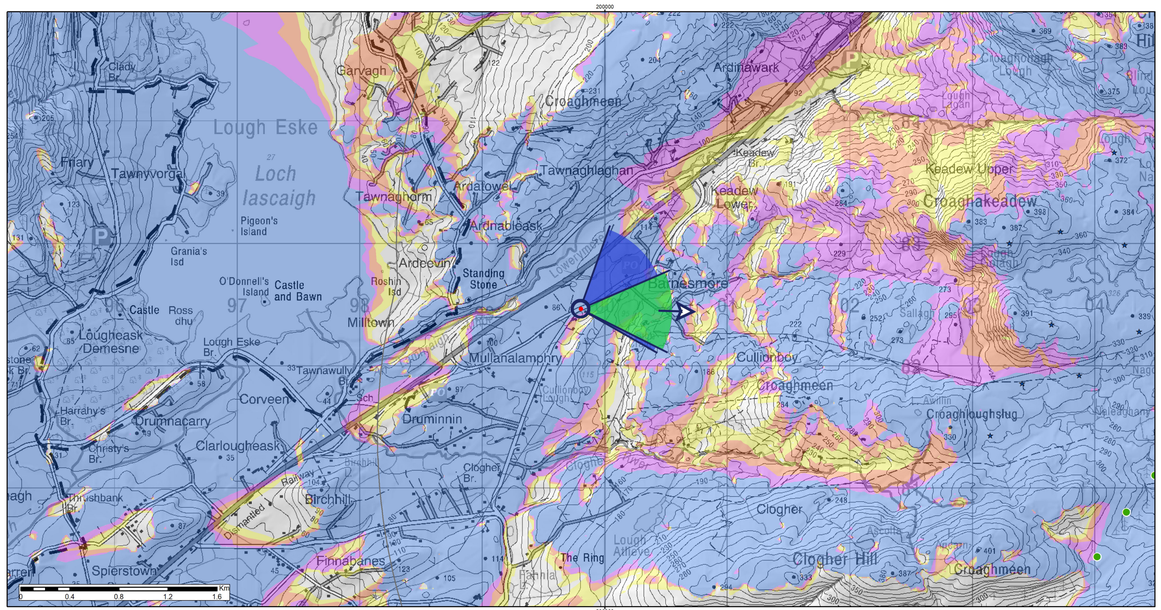
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Local Road at Barnesmore

Viewpoint Ref: VP16



Scale 1:125,000



Scale 1:25,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	599758
Northing:	882458
Elevation:	89.1 m

Photo Capture Information

Date:	26/06/2019
Time:	16:43
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:	8
Angle of View Theoretically Occupied by Turbines:	35.9°
Angle of View Actually Occupied by Turbines:	28.2°
Distance to Nearest Turbine:	3.5 km
Distance to Nearest Visible Turbine:	3.6 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

Local Road at Barnesmore Viewpoint Ref: VP16 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 Barnesmore Viewpoint Ref: VP16 Montage View



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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local Road at Barnesmore Viewpoint Ref: VP16 Cumulative View



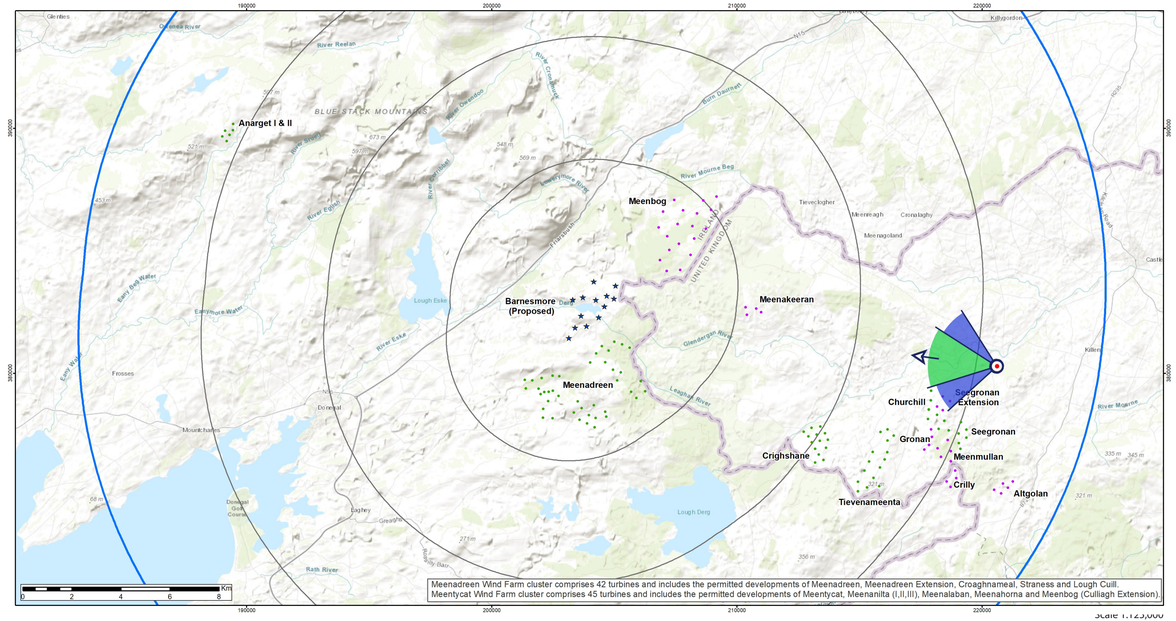
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

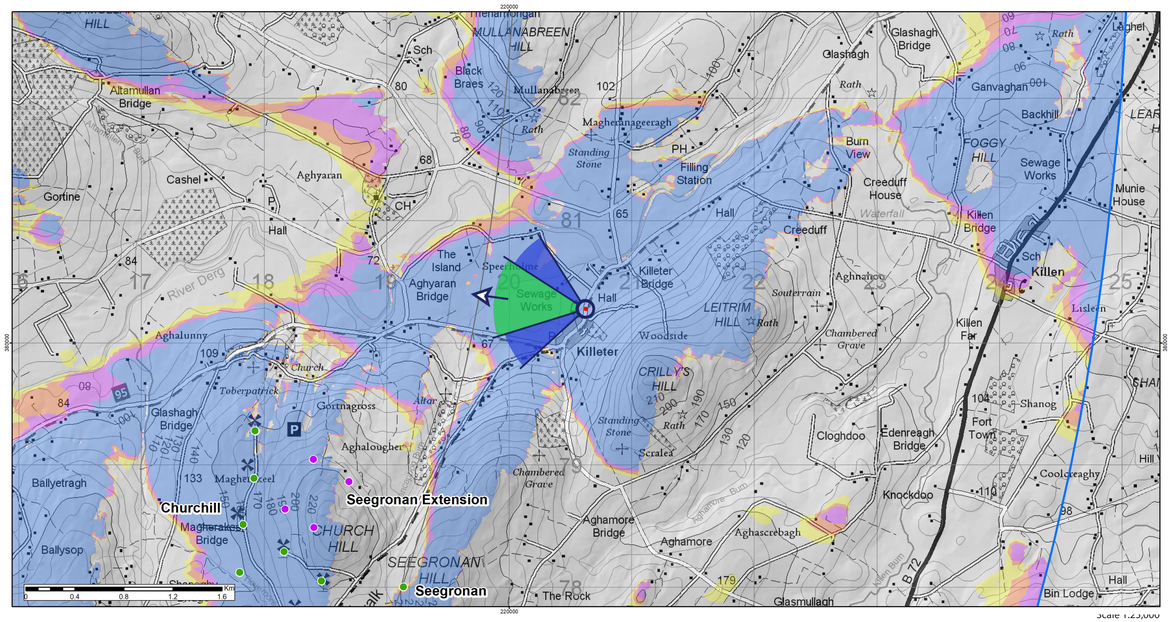
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Woodside Road at Killeter

Viewpoint Ref: VP17



Scale 1:125,000



Positional Information

National Grid Cordinate (ITM)	
Easting:	620567
Northing:	880194
Elevation:	75.4 m

Photo Capture Information

Date:	29/11/2019
Time:	11:00
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:	11
Angle of View Theoretically Occupied by Turbines:	8.8°
Angle of View Actually Occupied by Turbines:	8.8°
Distance to Nearest Turbine:	15.9 km
Distance to Nearest Visible Turbine:	15.9 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

Woodside Road at Killeter Viewpoint Ref: VP17 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

Woodside Road at Killeter Viewpoint Ref: VP17 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'.
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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Woodside Road at Killeter Viewpoint Ref: VP17 Cumulative View



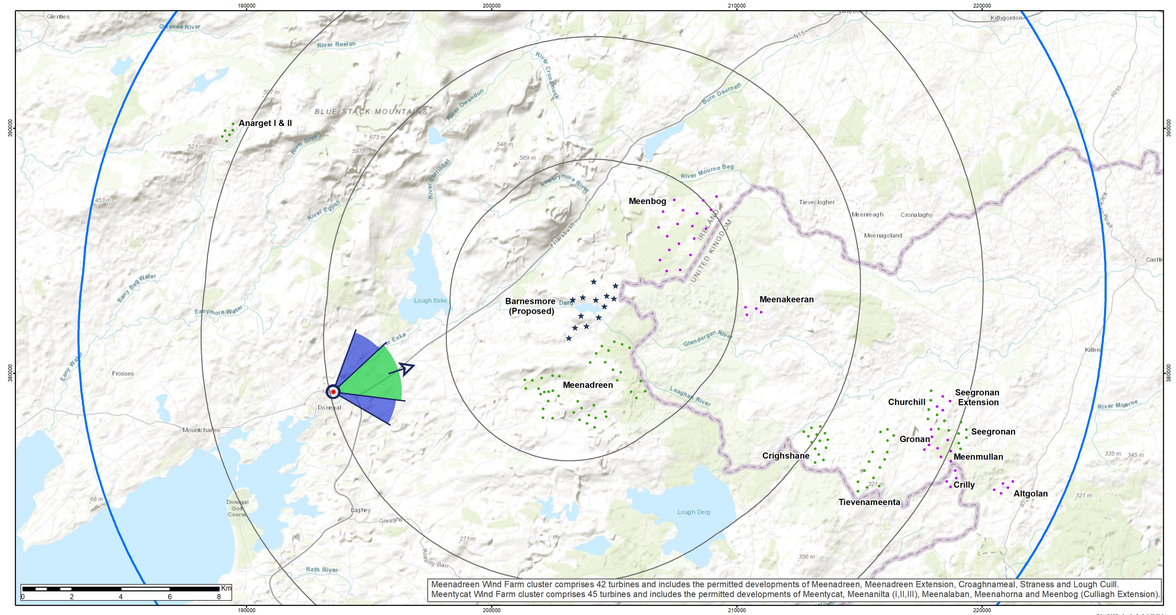
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

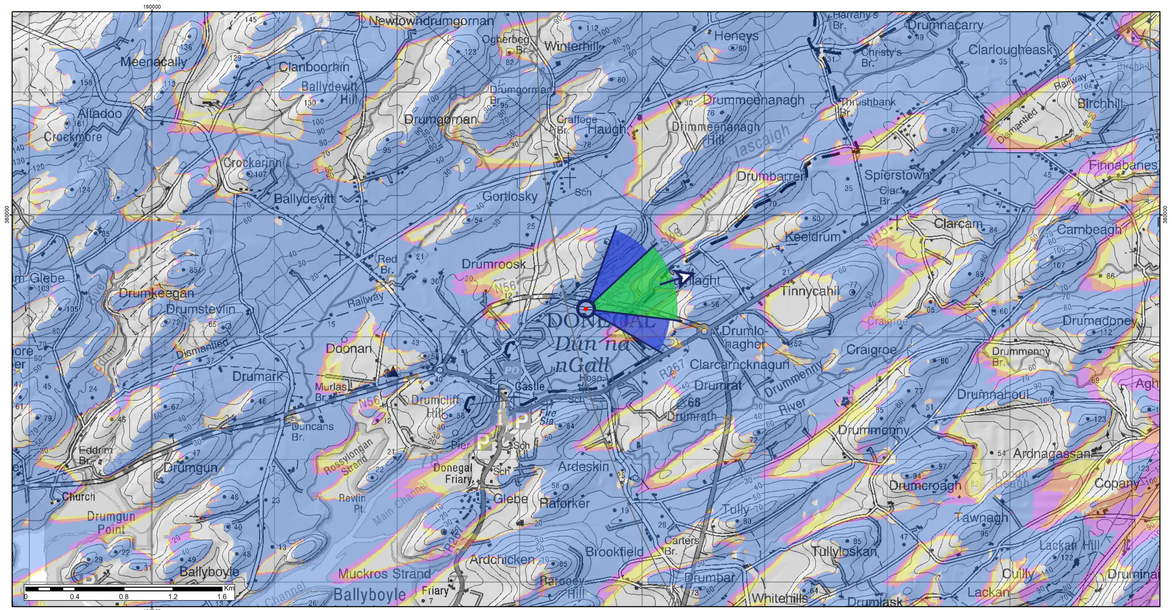
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

N56 at Donegal Town

Viewpoint Ref: VP18



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	593495
Northing:	879225
Elevation:	14.2 m

Photo Capture Information

Date:	09/04/2019
Time:	17:27
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:	10.9°
Angle of View Actually Occupied by Turbines:	10.9°
Distance to Nearest Turbine:	9.9 km
Distance to Nearest Visible Turbine:	9.9 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

N56 at Donegal Town Viewpoint Ref: VP18 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

N56 at Donegal Town Viewpoint Ref: VP18 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'.
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SCOTTISHPOWER RENEWABLES

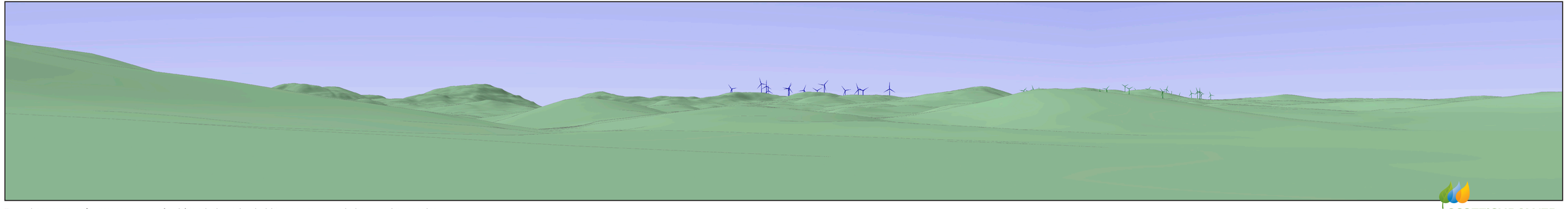
Barnesmore Windfarm Repowering

N56 at Donegal Town Viewpoint Ref: VP18 Cumulative View



Barnesmore (Proposed)

Meenadreen (Existing)



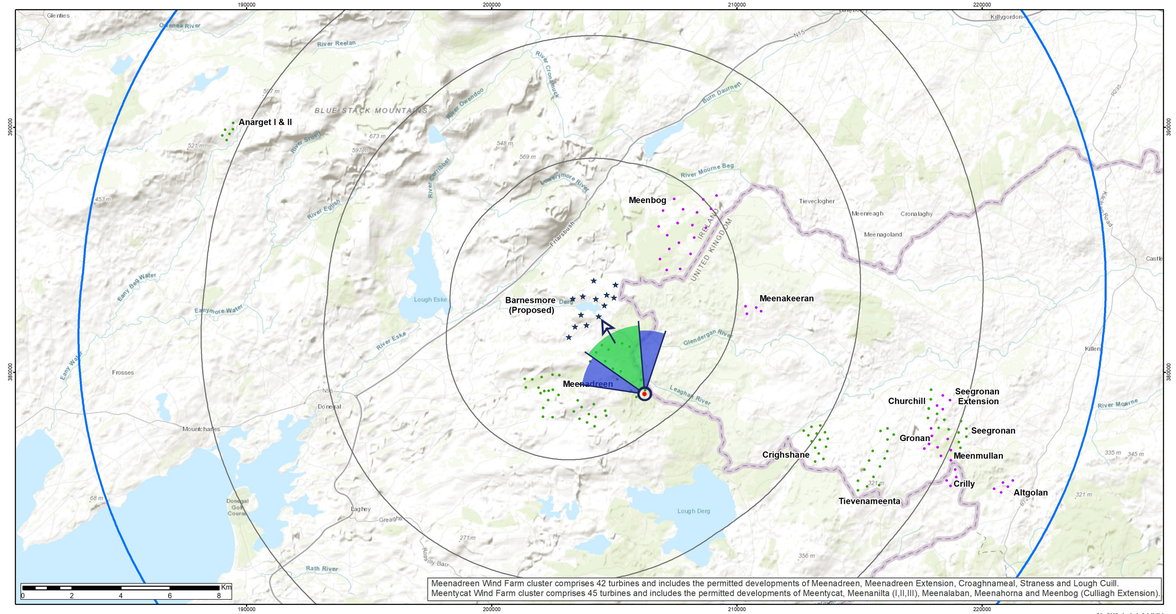
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SCOTTISHPOWER RENEWABLES

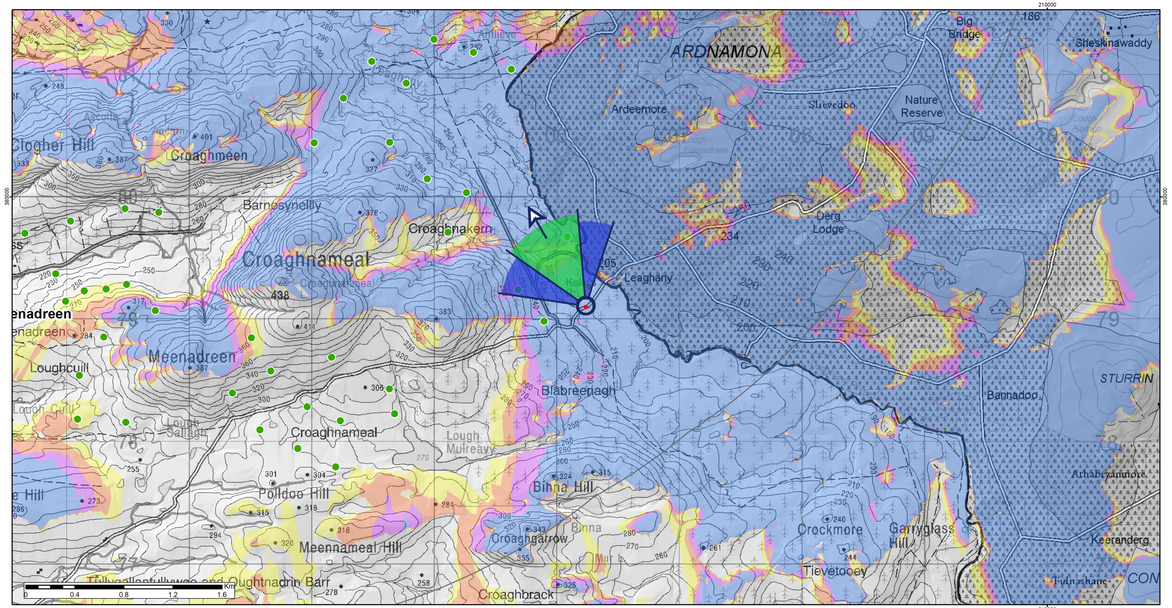
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Local road at Croaghnakern

Viewpoint Ref: VP19



Scale 1:123,000



Scale 1:23,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	606186
Northing:	879094
Elevation:	215.5 m

Photo Capture Information

Date:	09/04/2019
Time:	14:08
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:	10
Angle of View Theoretically Occupied by Turbines:	39.2°
Angle of View Actually Occupied by Turbines:	25.6°
Distance to Nearest Turbine:	3.7 km
Distance to Nearest Visible Turbine:	3.7 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 Croaghnakern Viewpoint Ref: VP19 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 Croaghnakern Viewpoint Ref: VP19 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'.
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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Local road at Croaghnakern Viewpoint Ref: VP19 Cumulative View





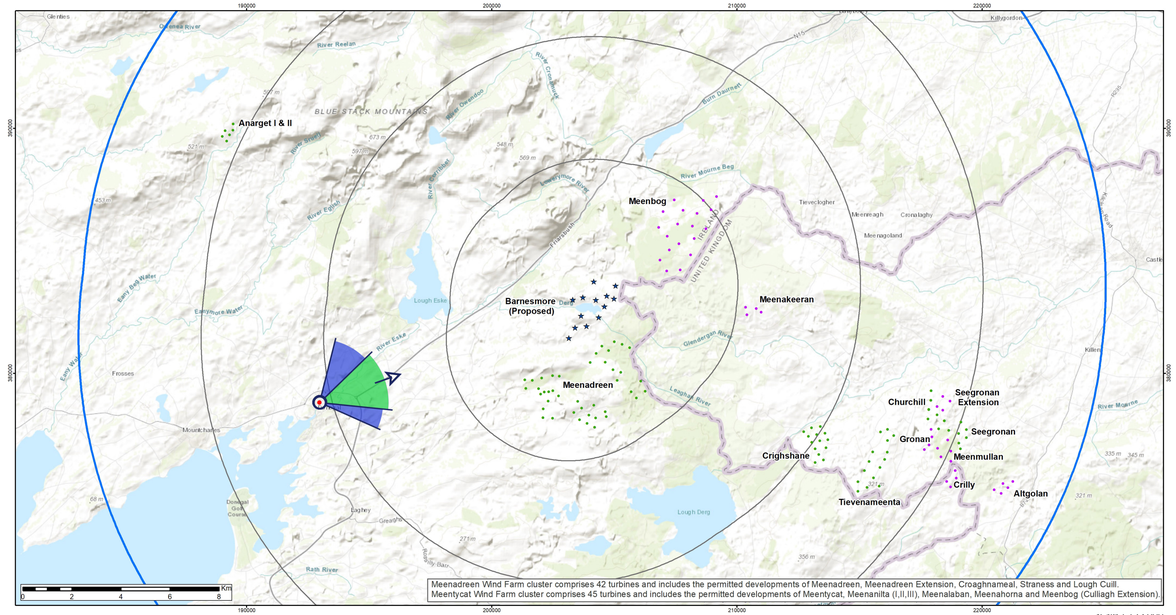
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SCOTTISHPOWER RENEWABLES

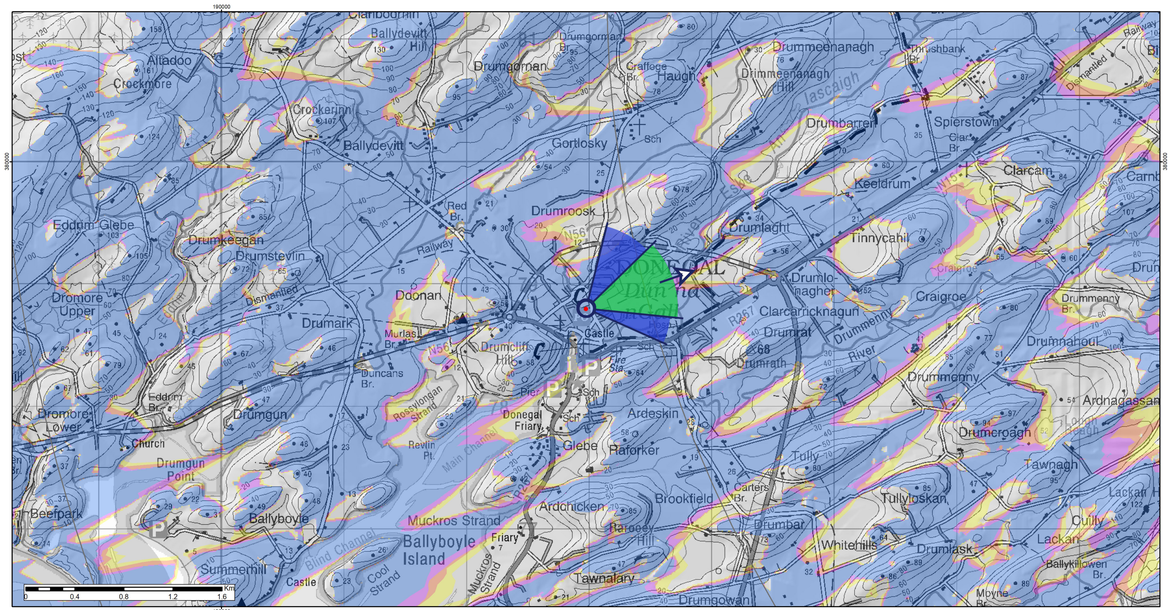
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Donegal Town

Viewpoint Ref: VP20



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	592927
Northing:	878791
Elevation:	10 m

Photo Capture Information

Date:	09/04/2019
Time:	17:39
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:	12
Angle of View Theoretically Occupied by Turbines:	10°
Angle of View Actually Occupied by Turbines:	9.9°
Distance to Nearest Turbine:	10.5 km
Distance to Nearest Visible Turbine:	10.5 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

Donegal Town Viewpoint Ref: VP20 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 Town Viewpoint Ref: VP20 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 Town Viewpoint Ref: VP20 Cumulative View



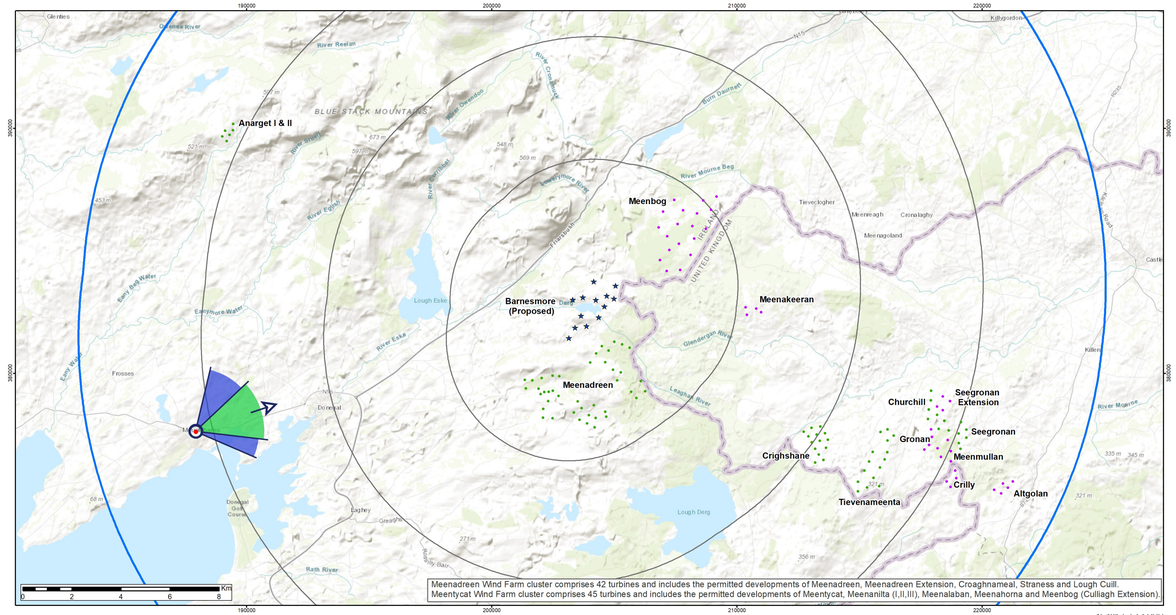
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SCOTTISHPOWER RENEWABLES

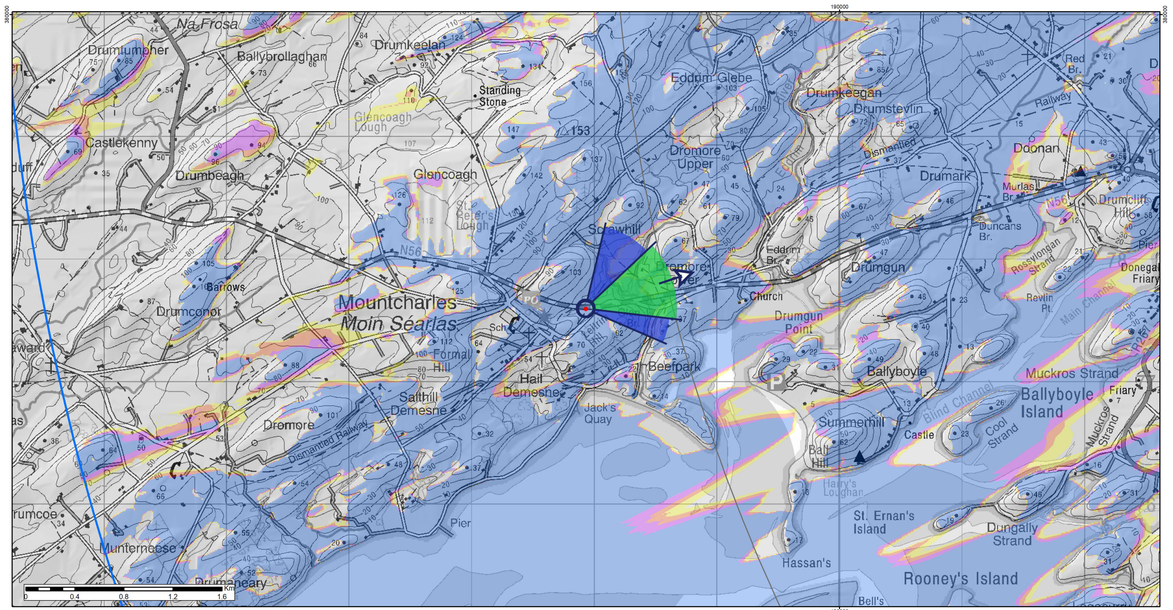
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

N56 at Mountcharles

Viewpoint Ref: VP21



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	587885
Northing:	877590
Elevation:	46.3 m

Photo Capture Information

Date:	09/04/2019
Time:	17:56
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:	7.1°
Angle of View Actually Occupied by Turbines:	7.1°
Distance to Nearest Turbine:	15.7 km
Distance to Nearest Visible Turbine:	15.7 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

N56 at Mountcharles Viewpoint Ref: VP21 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

N56 at Mountcharles Viewpoint Ref: VP21 Montage View



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SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

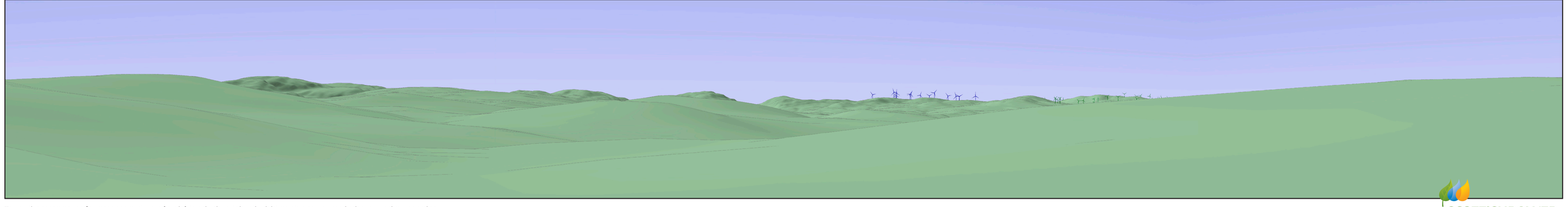
N56 at Mountcharles Viewpoint Ref: VP21 Cumulative View



Barnesmore (Proposed)

Meenbog (Permitted)

Meenadreen (Existing)



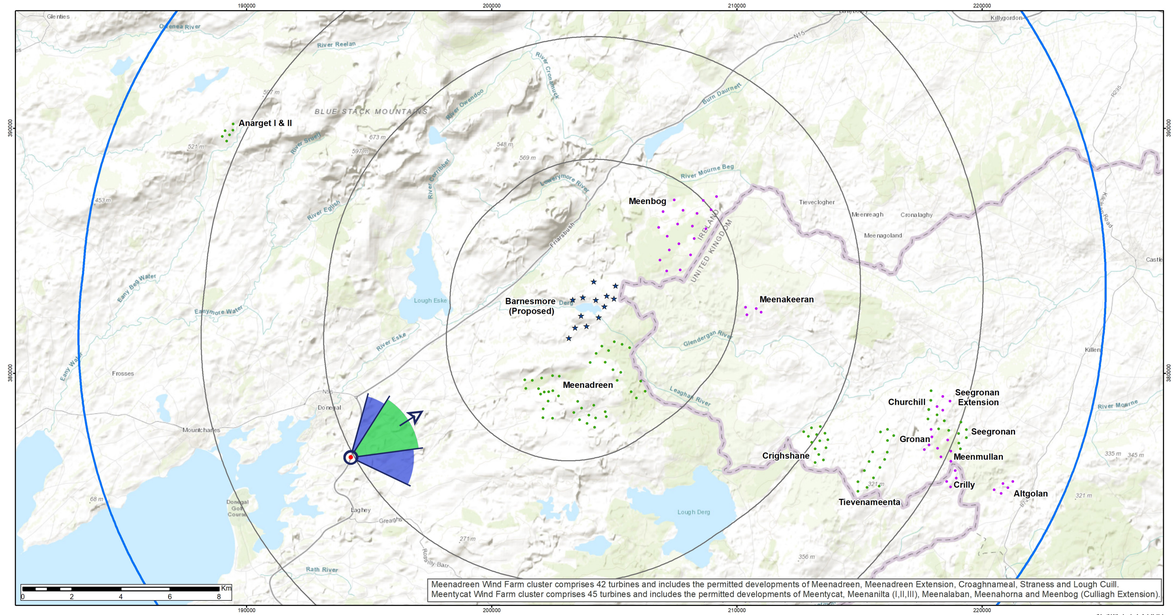
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SCOTTISHPOWER RENEWABLES

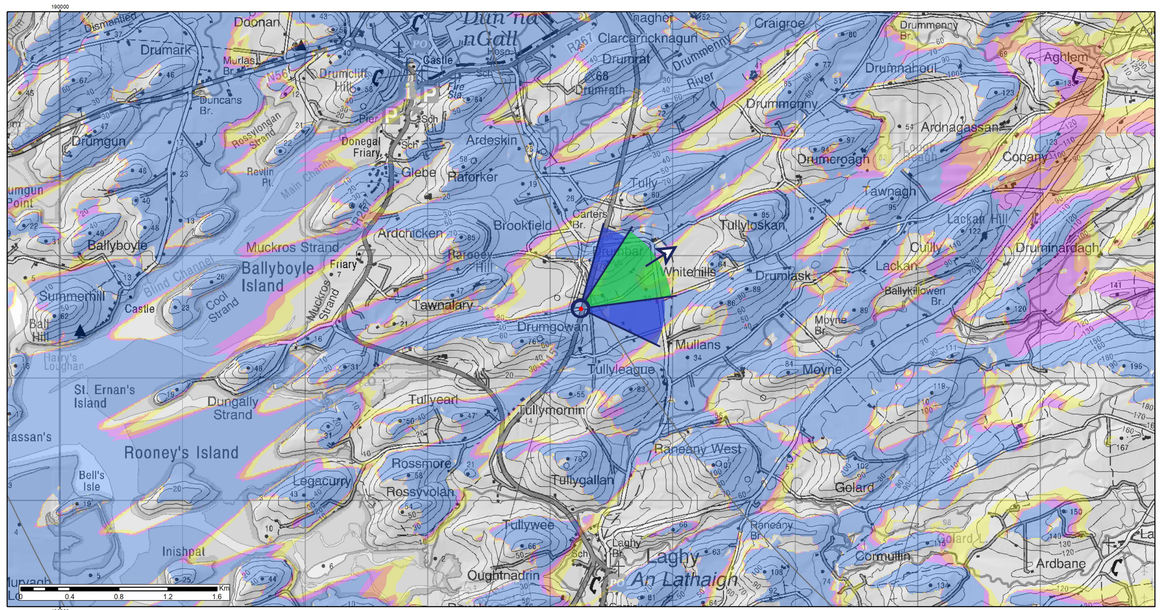
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

N15 at Drumbar

Viewpoint Ref: VP22



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	594204
Northing:	876561
Elevation:	30.8 m

Photo Capture Information

Date:	09/04/2019
Time:	16:14
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:	12
Number of Turbines Actually Visible:	12
Angle of View Theoretically Occupied by Turbines:	8°
Angle of View Actually Occupied by Turbines:	8°
Distance to Nearest Turbine:	10.1 km
Distance to Nearest Visible Turbine:	10.1 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

N15 at Drumbar Viewpoint Ref: VP22 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 Drumbar Viewpoint Ref: VP22 Montage View



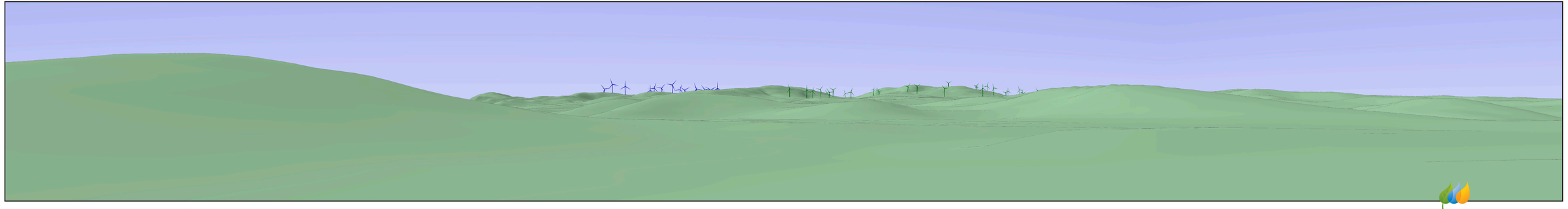
This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

N15 at Drumbar Viewpoint Ref: VP22 Cumulative View





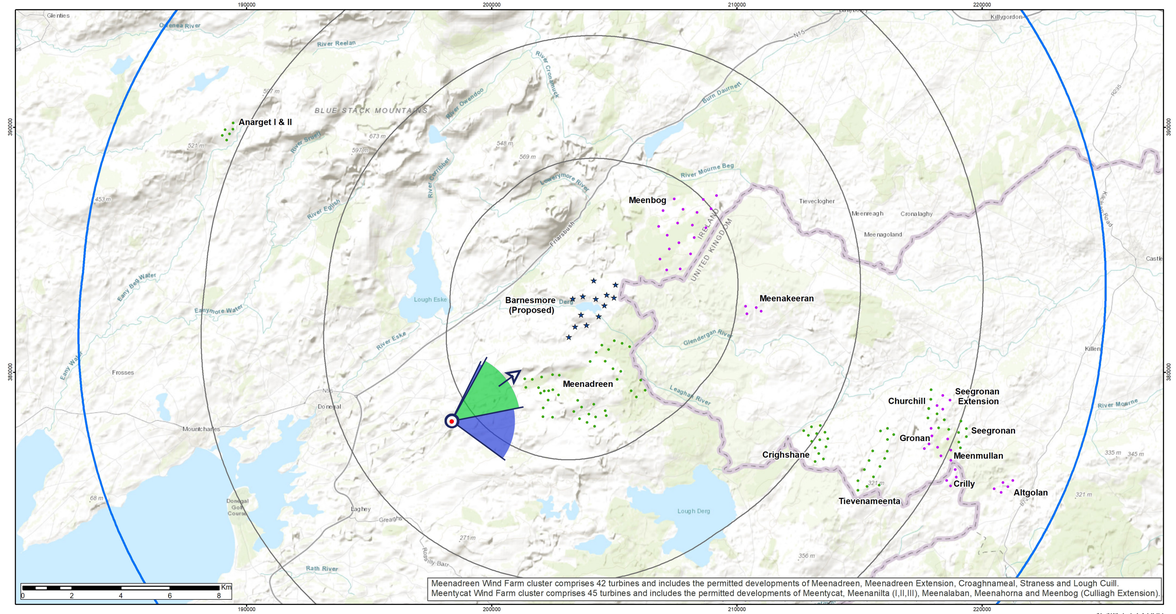
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

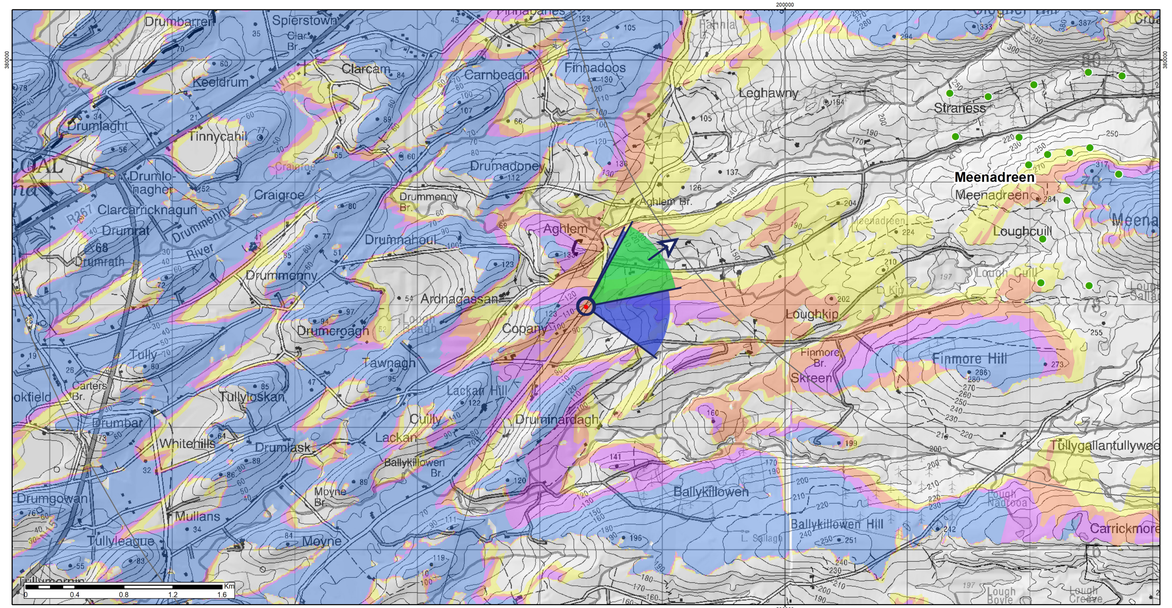
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Local road west of Laghey

Viewpoint Ref: VP23



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	598328
Northing:	877979
Elevation:	106.9 m

Photo Capture Information

Date:	26/06/2019
Time:	17:01
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:	10.5°
Angle of View Actually Occupied by Turbines:	10.5°
Distance to Nearest Turbine:	5.9 km
Distance to Nearest Visible Turbine:	5.9 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 west of Laghey Viewpoint Ref: VP23 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 west of Laghey Viewpoint Ref: VP23 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 west of Laghey Viewpoint Ref: VP23 Cumulative View



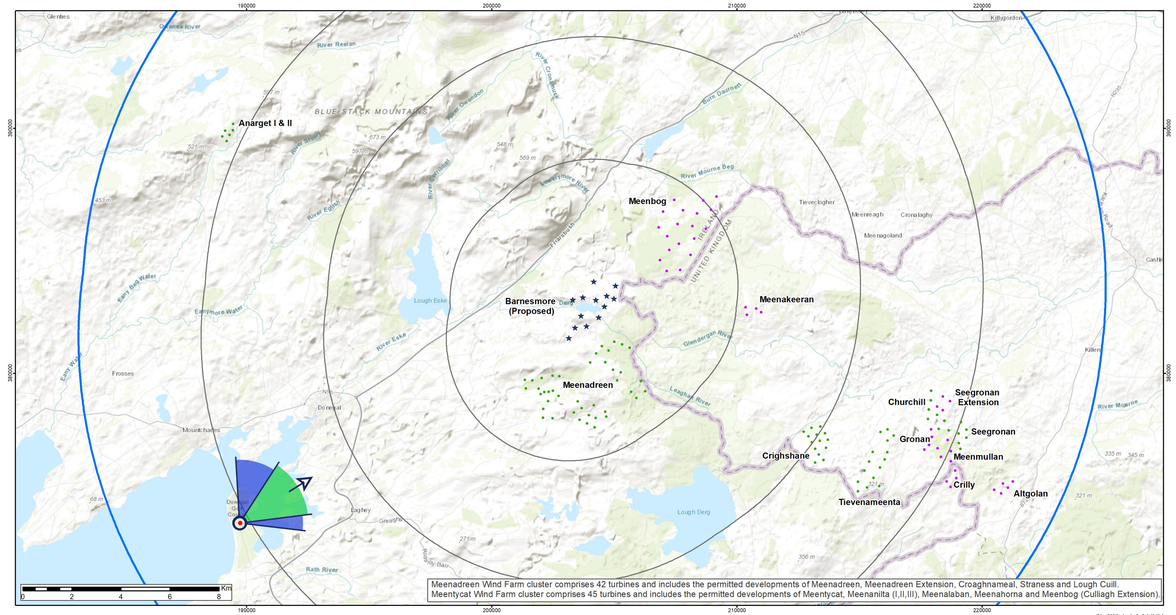
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

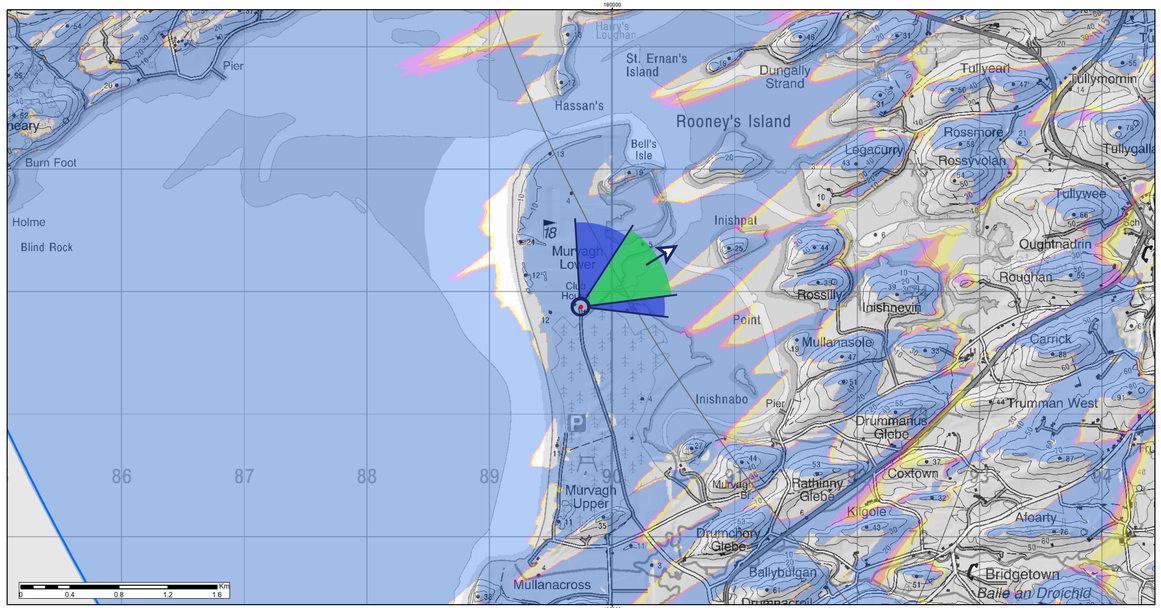
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Donegal Golf Club

Viewpoint Ref: VP24



Scale 1:125,000



Scale 1:25,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	589701
Northing:	873873
Elevation:	6.1 m

Photo Capture Information

Date:	29/11/2019
Time:	12:42
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:	5.6°
Angle of View Actually Occupied by Turbines:	5.6°
Distance to Nearest Turbine:	15.4 km
Distance to Nearest Visible Turbine:	15.4 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

Donegal Golf Club Viewpoint Ref: VP24 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 Golf Club Viewpoint Ref: VP24 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

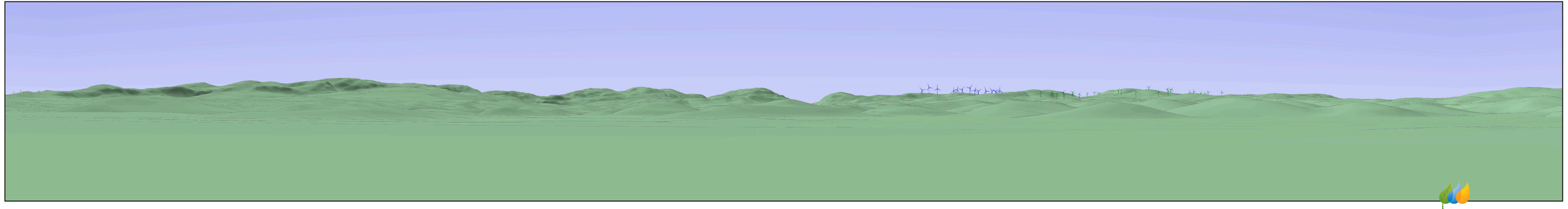
Donegal Golf Club Viewpoint Ref: VP24 Cumulative View



Anarget 1 +2 (Existing)

Barnesmore (Proposed)

Meenadreen (Existing)



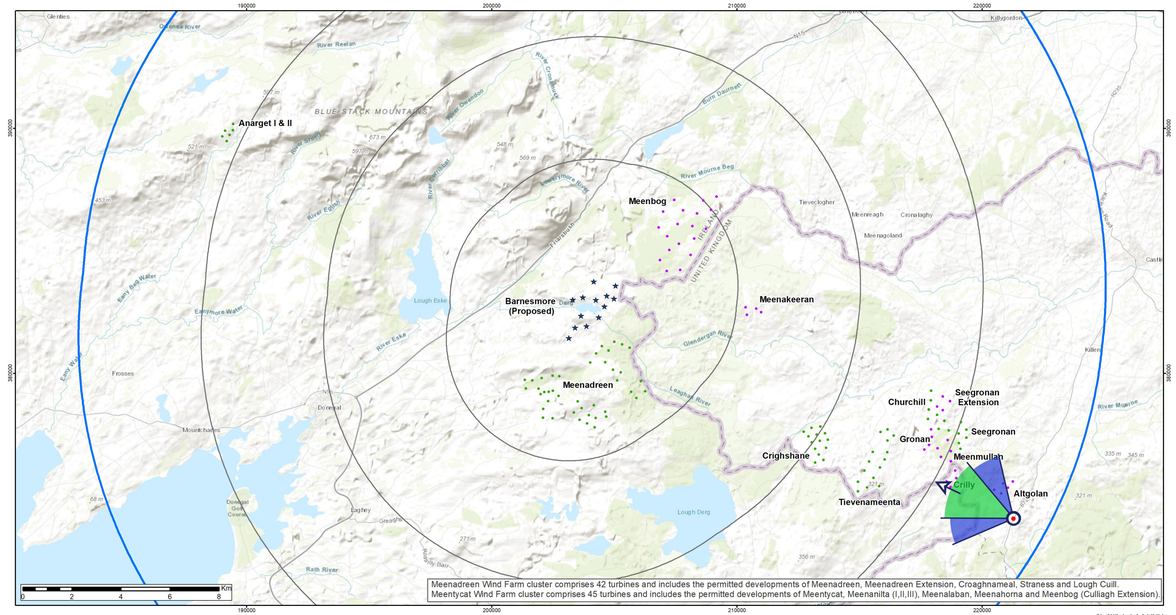
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

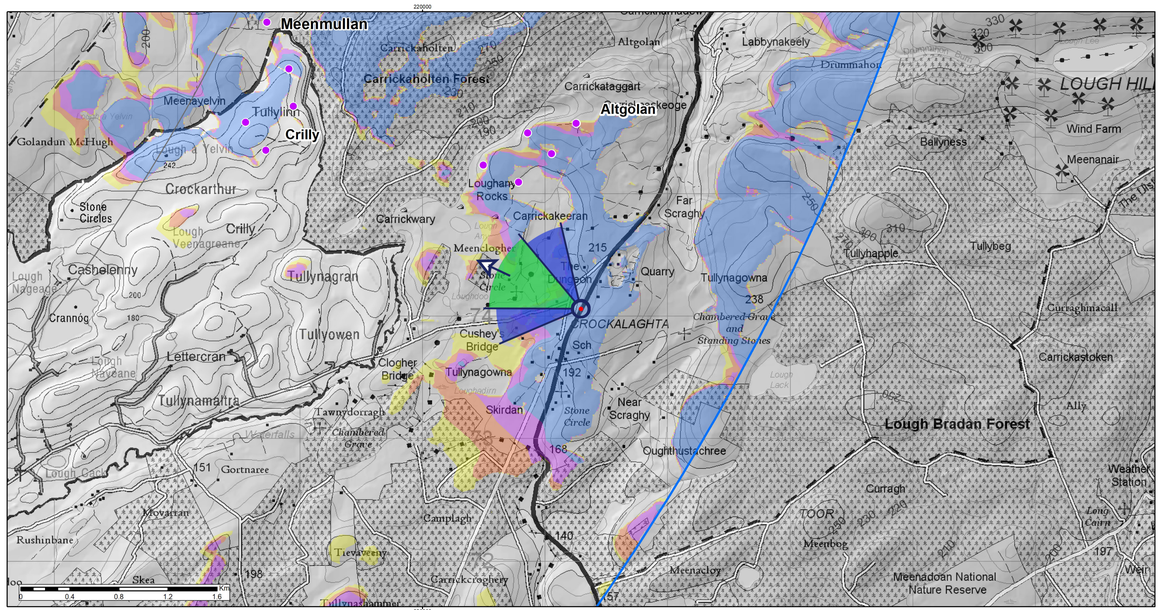
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

B72 at Shanvia

Viewpoint Ref: VP25



Scale 1:125,000



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	621240
Northing:	874054
Elevation:	211.1 m

Photo Capture Information

Date:	27/06/2019
Time:	11:58
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:	12
Angle of View Theoretically Occupied by Turbines:	10.6°
Angle of View Actually Occupied by Turbines:	10.6°
Distance to Nearest Turbine:	18.6 km
Distance to Nearest Visible Turbine:	18.6 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 Shanvia Viewpoint Ref: VP25 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 Shanvia Viewpoint Ref: VP25 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

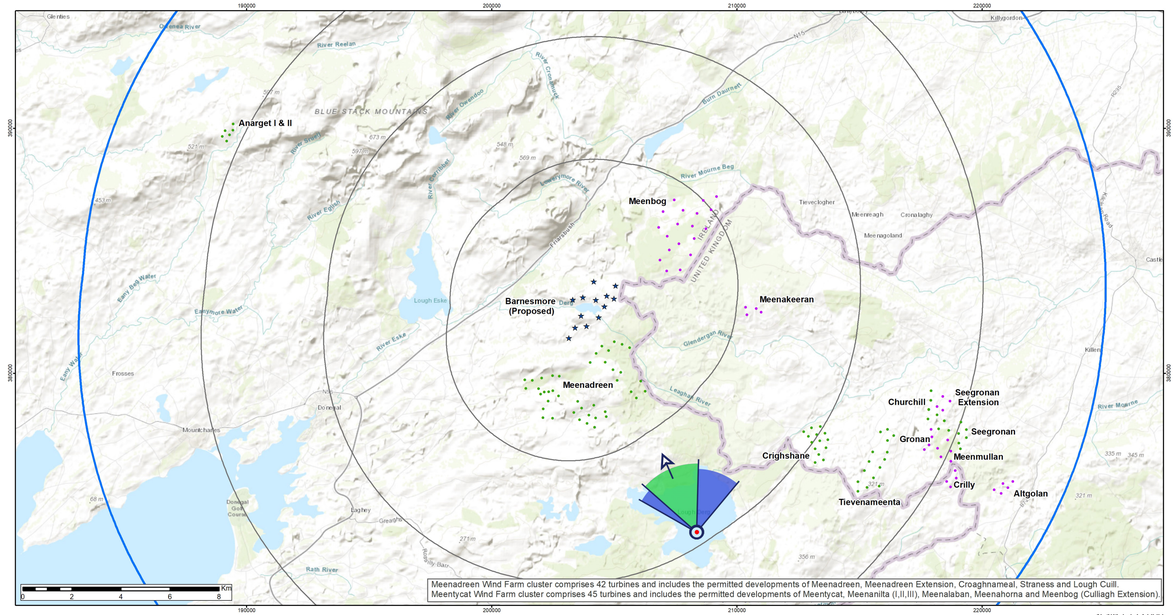
B72 at Shanvia Viewpoint Ref: VP25 Cumulative View



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:	608320
Northing:	873503
Elevation:	145.2 m

Photo Capture Information

Date:	27/06/2019
Time:	13:20
Camera:	Canon 5D Mark II
Lens / Focal Length:	Fixed 50mm
Camera Height:	1.7m (AGL)

Turbine Information

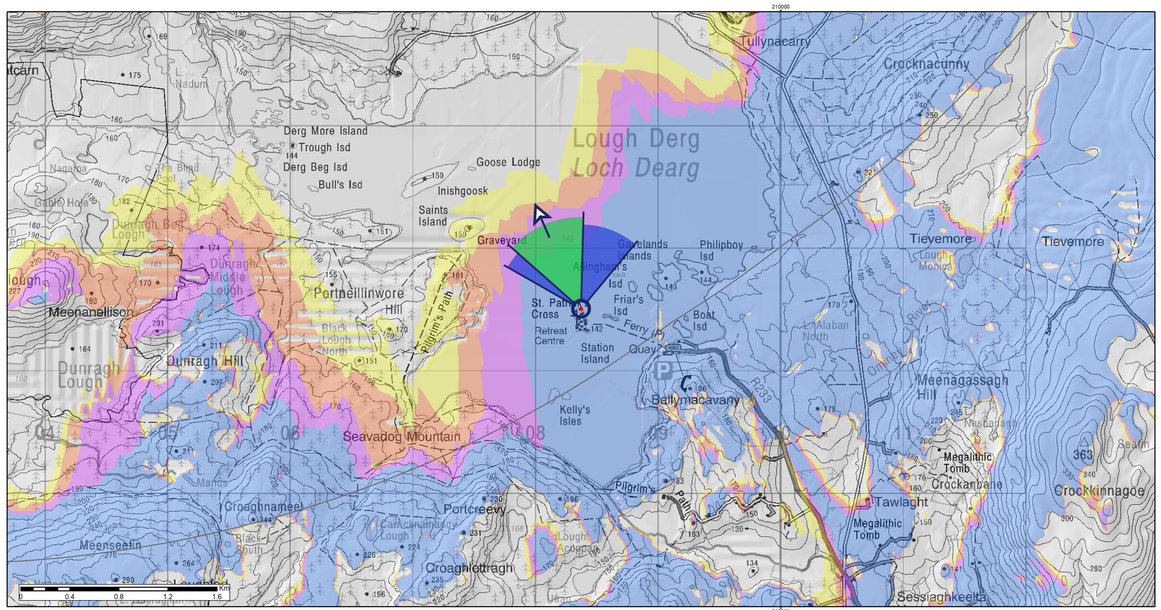
Turbine Dimensions	
Nacelle Height:	101.0 m
Rotor Diamater:	158.0 m
Tip Height:	180.0 m

Visibility Information

Number of Turbines Theoretically Visible:	1
Number of Turbines Actually Visible:	0
Angle of View Theoretically Occupied by Turbines:	10.4°
Angle of View Actually Occupied by Turbines:	10.4°
Distance to Nearest Turbine:	9.5 km
Distance to Nearest Visible Turbine:	9.6 km

Station Island Pilgrimage site in Lough Derg

Viewpoint Ref: VP26



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

Station Island Pilgrimage site in Lough Derg Viewpoint Ref: VP26 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

Station Island Pilgrimage site in Lough Derg Viewpoint Ref: VP26 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

Station Island Pilgrimage site in Lough Derg Viewpoint Ref: VP26 Cumulative View



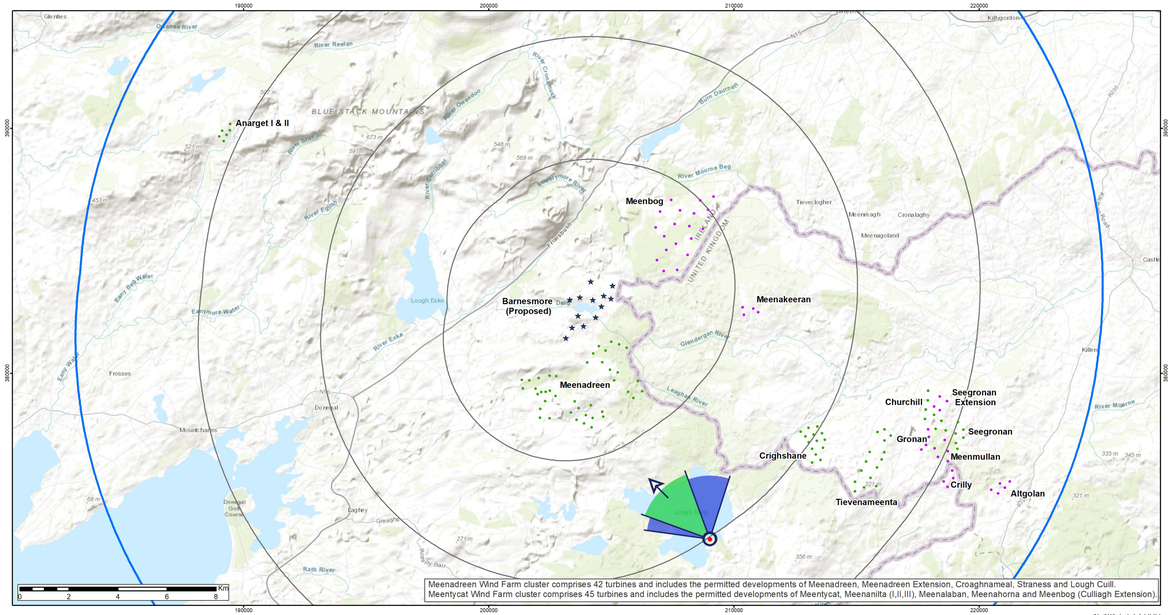
To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

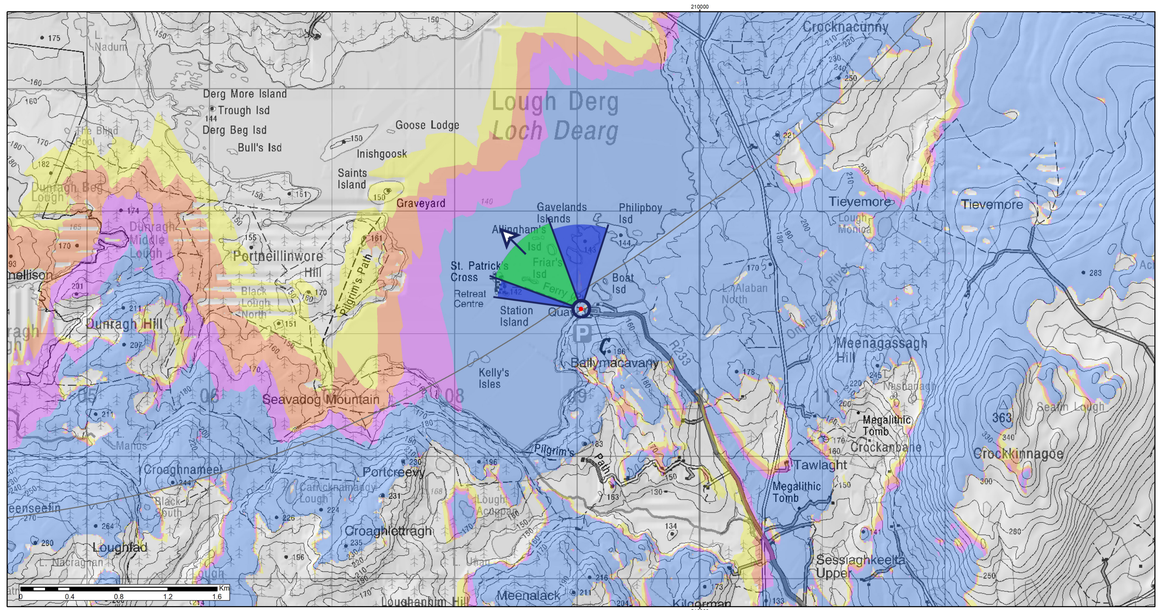
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages

Visitors Centre Pier at Lough Derg

Viewpoint Ref: V26a



Scale 1:125,000



Scale 1:25,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	608979
Northing:	873200
Elevation:	142.2 m

Photo Capture Information

Date:	27/06/2019
Time:	13:01
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:	6
Number of Turbines Actually Visible:	4
Angle of View Theoretically Occupied by Turbines:	15°
Angle of View Actually Occupied by Turbines:	10.3°
Distance to Nearest Turbine:	10.1 km
Distance to Nearest Visible Turbine:	10.2 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

Visitors Centre Pier at Lough Derg Viewpoint Ref: V26a 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

Visitors Centre Pier at Lough Derg Viewpoint Ref: V26a Montage View

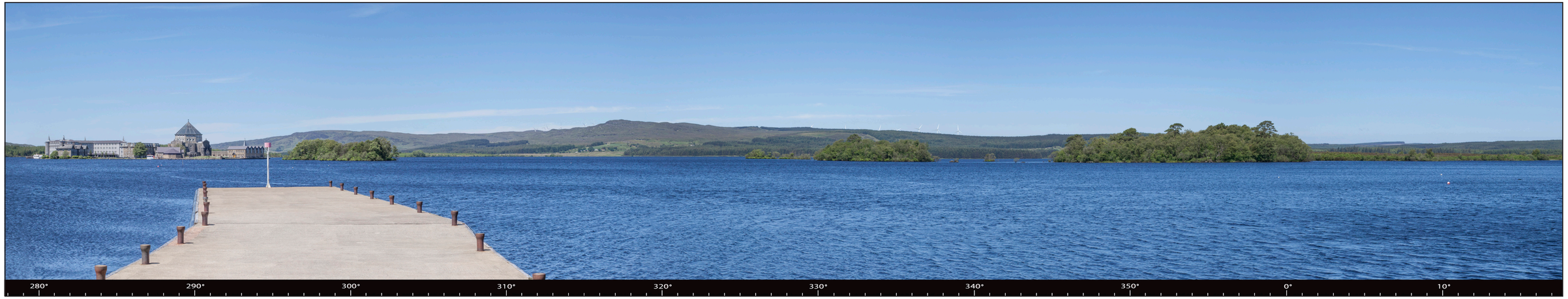


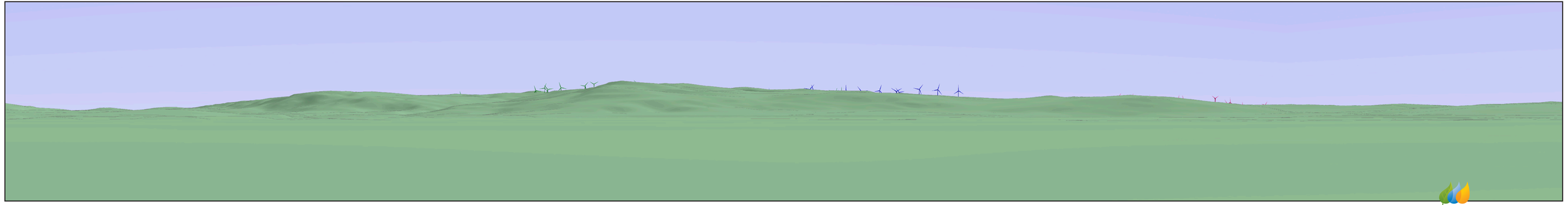
This is a planar panorama captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.
To view this image correctly, place on a flat surface and view from a comfortable arms length (approx 50cm).

SCOTTISHPOWER RENEWABLES

Barnesmore Windfarm Repowering

Visitors Centre Pier at Lough Derg Viewpoint Ref: V26a Cumulative View

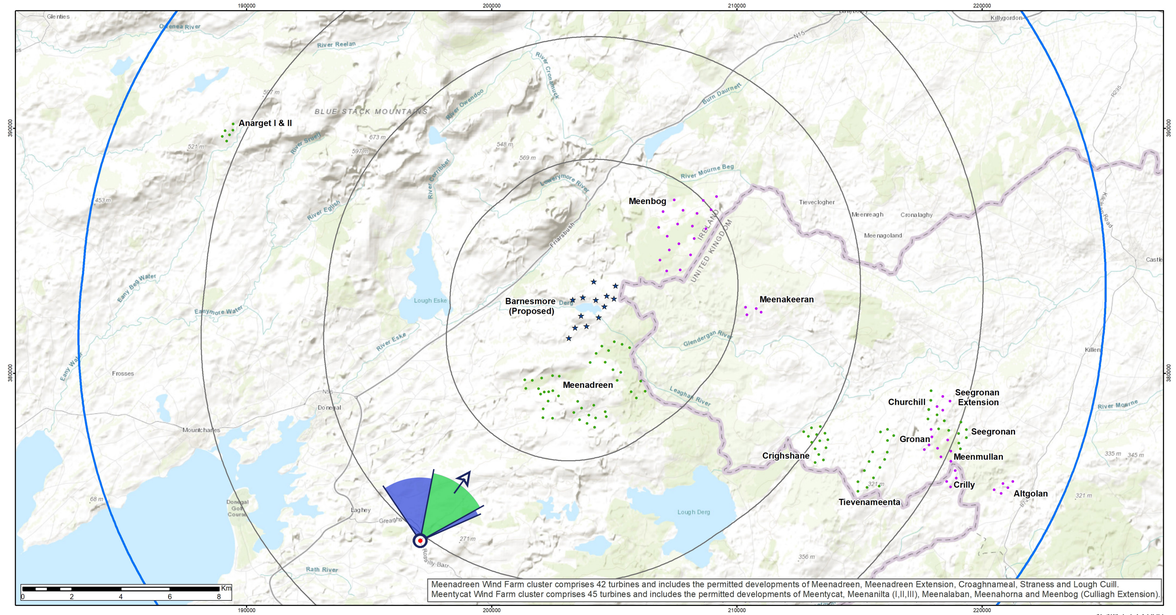




To view this panorama as a flat image one must move from left to right along its length whilst maintaining a perpendicular viewing direction and an approximate viewing distance of 30cm. To see this entire panoramic scene in reality would necessitate turning one's head through 60 degrees.

SCOTTISHPOWER RENEWABLES

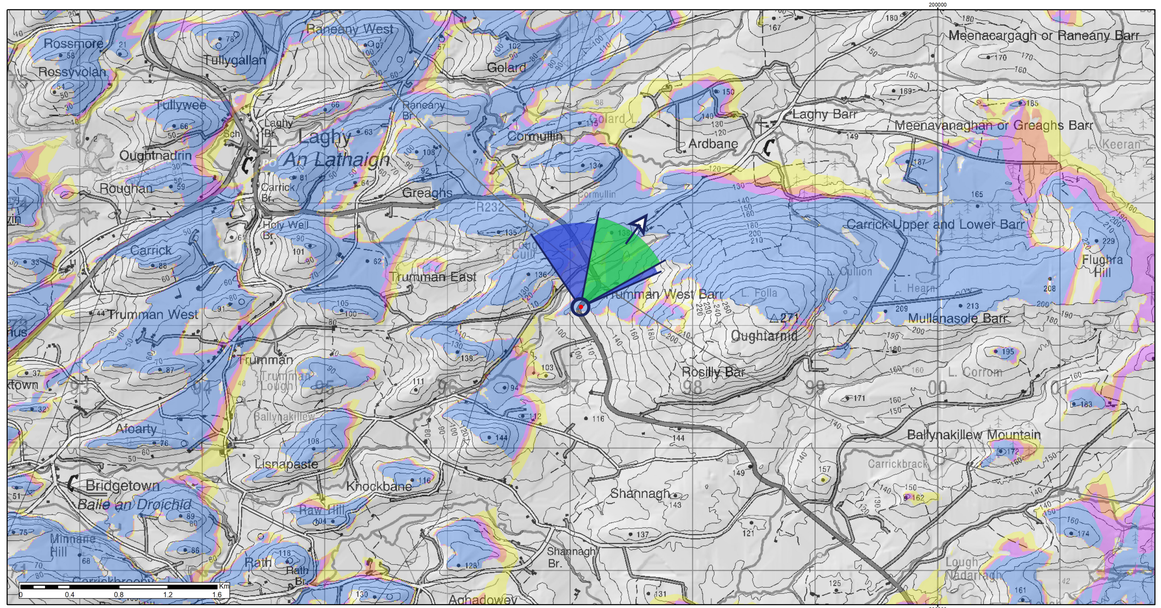
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

R232 at Trumman West

Viewpoint Ref: VP27



Scale 1:125,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	597041
Northing:	873149
Elevation:	120.3 m

Photo Capture Information

Date:	29/11/2019
Time:	11:54
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:	5
Number of Turbines Actually Visible:	5
Angle of View Theoretically Occupied by Turbines:	7.1°
Angle of View Actually Occupied by Turbines:	7.1°
Distance to Nearest Turbine:	10.3 km
Distance to Nearest Visible Turbine:	10.3 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

R232 at Trumman West Viewpoint Ref: VP27 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

R232 at Trumman West Viewpoint Ref: VP27 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

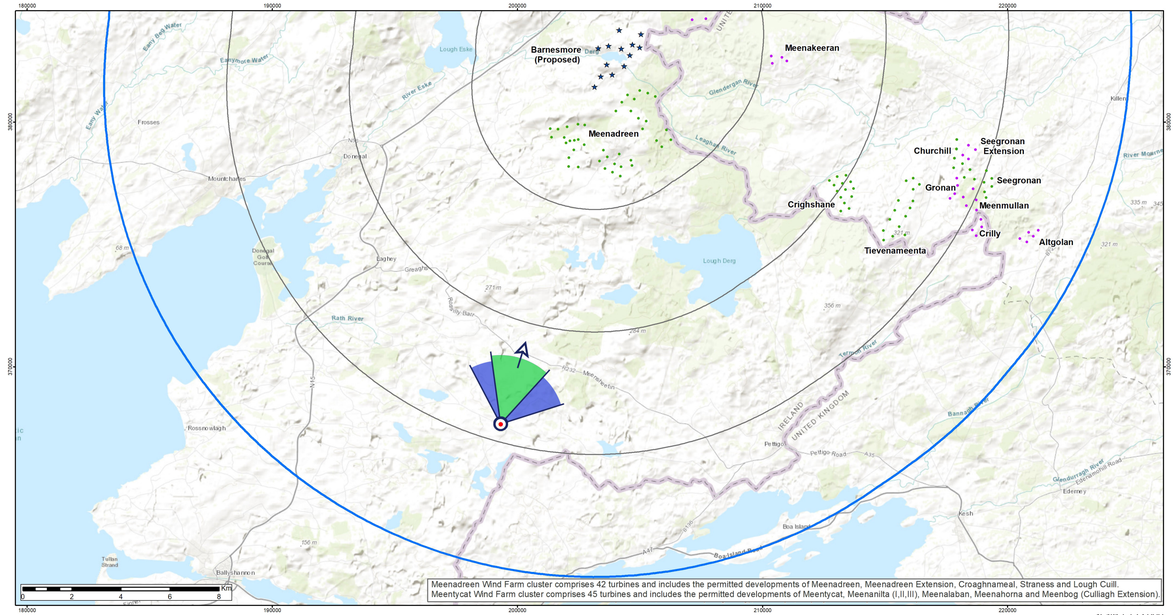
R232 at Trumman West Viewpoint Ref: VP27 Cumulative View



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

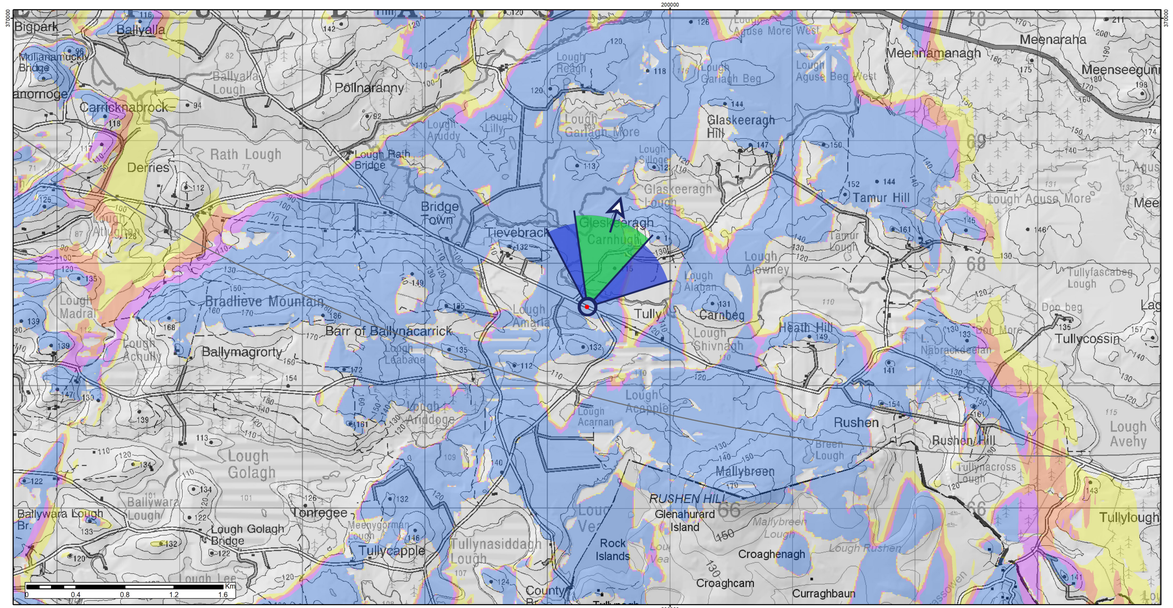
Barnesmore Windfarm Repowering - Landscape and Visual Impact Photomontages



Scale 1:125,000

Local road at Barr of Ballynacarnick

Viewpoint Ref: VP28



Scale 1:25,000

Positional Information

National Grid Cordinate (ITM)	
Easting:	599274
Northing:	867640
Elevation:	113.2 m

Photo Capture Information

Date:	29/11/2019
Time:	12:15
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:	5
Number of Turbines Actually Visible:	5
Angle of View Theoretically Occupied by Turbines:	6.1°
Angle of View Actually Occupied by Turbines:	6.1°
Distance to Nearest Turbine:	14.3 km
Distance to Nearest Visible Turbine:	14.3 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

Local road at Barr of Ballynacarnick Viewpoint Ref: VP28 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 Barr of Ballynacarnick Viewpoint Ref: VP28 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 Barr of Ballynacarnick Viewpoint Ref: VP28 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

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