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Appendix 13-5

**Photowire Visualisation
Booklet**

**Proposed
Briskalagh Wind Farm**

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PW No.	Description	Grid Ref	
		E	N
PW-A	View from a local road in the townland of Tullaroan, located approximately 3.5km north of the nearest proposed turbine (T1)	638710	658271
PW-B	View from a local road in the townland of Tullaroan, located approximately 2.5km north of the nearest proposed turbine (T1)	638701	657078
PW-C	View from a local road in the townland of Riesk, located approximately 915 metres east of the nearest proposed turbine (T2).	641296	655079
PW-D	View from a local road in the townland of Corstown, located approximately 1.8km east of the nearest proposed turbine (T2).	642261	655340
PW-E	View from a local road in the townland of Knockeenglass, located approximately 1.5km south of the nearest proposed turbine (T5). This viewpoint is located at designated Protected View 16 in the Kilkenny County Development Plan (KCDP 2021-27)	640811	652939
PW-F	View from a local road in the townland of Kilmanagh, located approximately 1.2km south of the nearest proposed turbine (T7)	638556	652463
PW-G	View from a local road in the townland of Banse Glebe, located approximately 875 metres west of the nearest proposed turbine (T7)	638205	653456
PW-H	View from the R691 regional road in the townland of Ballyline, approximately 7.2km south of the nearest proposed turbine (T7)	637922	646571
PW-I	View from the N76 national road in the townland of Farmley, located approximately 8.5km southeast of the nearest proposed turbine (T4)	646399	648125
PW-J	View from the R694 regional road in the townland of Finnan, located approximately 18.8km northeast of the nearest proposed turbine (T1). This viewpoint is located at County Kilkenny Protected View 12 (KCDP 2021-27)	647329	672388
PW-K	View from the Famine Warehouse in the townland of Farranrory Upper, County Tipperary, located approximately 6.8 km west of the nearest proposed turbine (T7). This viewpoint is located at County Tipperary Scenic View 27 (TCDP 2022-28)	632417	652201
PW-L	View from a local road in the townland of Ballykieran, located approximately 14.1km north of the nearest proposed turbine (T1)	634700	668067
PW-M	View from the R694 regional road in the townland of Ballyraggert, located approximately 17.6km northeast of the nearest proposed turbine (T1)	645954	671575
PW-N	View from a local road in the townland of Ossoryhill, located approximately 19.2km northeast of the nearest proposed turbines (T4). This viewpoint is located at County Kilkenny Protected View 13 (KCDP 2021-27)	657937	662732
PW-O	View from a local road in the townland of Rathduff overlooking the Kells Priory, located approximately 14.6km southeast of the nearest proposed turbine (T4)	649834	643061
PW-P	View from the N76 national road in the townland of Riversfield, located approximately 11.2km south of the nearest proposed turbine (T7)	640193	642413
PW-Q	View from a local road in the townland of Riesk, located approximately 845 metres east of the nearest proposed turbine (T4)	641285	654955
PW-R	View from a local road in the townland of Graigue Hartford, located approximately 3.6km south of the nearest proposed turbine (T7)	639277	650000
PW-S	View from a local road in the townland of Pottlerath, located approximately 1.7km south of the nearest proposed turbine (T7)	638579	652065
PW-T	View from a local road in the townland of Pottlerath, located approximately 1.6km south of the nearest proposed turbine (T7)	638580	652095
PW-U	View from a local road in the townland of Ballycuddihy, located approximately 850 metres south of the nearest proposed turbine (T4)	641014	653625

METHODOLOGY

Photowires

Methodology – What are Photowires and how are they produced?

All imagery captured from viewpoints for this LVIA (a total of 37 No. VPs) were progressed to a draft stage called - 'Photowires'. Photowires are early-stage photomontage visualisations (classified as 'Type 3 Visualisations' in the LI TGN 06/19, 2019). Photowires are a combination of panoramic photographic images and a 'wireline'. A wireline is the model of the proposed turbines accurately scaled and positioned within a digital elevation model (topographic model) as seen from a viewpoint. Photowires are produced by positioning and overlaying the wireline on top of the stitched photographic imagery captured from a viewpoint location.

Photowires – A tool for Photomontage Selection

16 No. viewpoints were selected for inclusion in the Volume 2 Photomontage Booklet. Imagery captured from the other 21 viewpoints visited on site for this LVIA are presented as Photowires in this Appendix. Photowires are used as tools both to select the best viewpoints for the Volume 2 Photomontage Booklet, and also to demonstrate as part of discussion in the LVIA chapter the locations where very limited visibility might occur. A photowire might not have been selected for the Volume 2 Photomontage Booklet as another nearby viewpoint was felt to be a better representation of views from receptors in a particular area or represented a greater number of sensitive receptors.

Characteristics of Photowires - Early-stage and Draft Visualisations

The photowire imagery in this Appendix are draft, therefore:

- No rendering is applied to the imagery to make the turbines photorealistic – hence the orange colour;
- Photowires do not include cumulative – modelling and rendering of other permitted and proposed wind farms;
- The wireline element of the Photowire only accounts for screening from topography in the elevation model;
- The wireline overlaid the photograph is shown on top of the panoramic photograph, in front of above ground elements of the

landscape e.g. vegetation screening and the built environment. Therefore, the photowire shows where the proposed turbines are located relative to the viewpoint but are seen in front of above ground features which would visually screen them from view, in reality on the ground.

Utility of Photowires for LVIA

The 21 No. photowires are presented within this Appendix are useful visual aids for the discussion of visual effects included in Section 13.5 of Chapter 13: Likely Significant Landscape and Visual Effects. The location of photowire viewpoints in this Appendix are marked as orange icons in mapping figures throughout Chapter 13, labelled as 'PW' (e.g., PW-A to PW-U).

Photowires are not used for Cumulative Assessment

It should be emphasised that photowires are useful visual aids to inform the impact assessment; however, they do not include modelling of other existing, permitted, or proposed wind energy developments and are therefore not used for the assessment of cumulative effects. The Photomontage Booklet included as Volume 2 of this EIAR includes modelling and rendering of other existing, permitted and proposed wind energy developments.

Presentation of Photowires in this Appendix

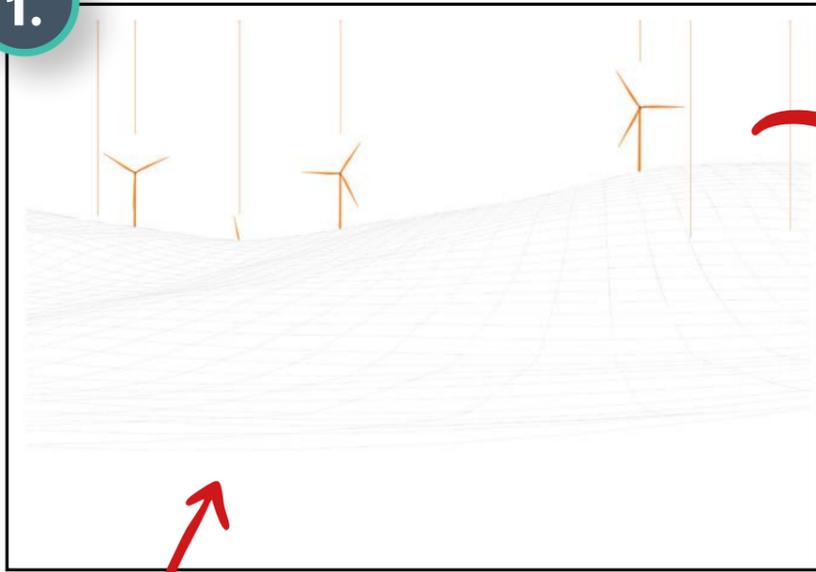
The photowires in this appendix are presented on A3 paper. In accordance with the Landscape Institute Technical Guidance Note 06/19 (LI, 2019), the photowires are presented within a horizontal field of view comprising 27 degrees and vertical field of view comprising 18.2 degrees and are scaled according to the guidance set out in table 5 of the LI TGN 06/19, (LI, 2019).

PRODUCTION

Photowires are a combination of photographic images and a 'wireline'.

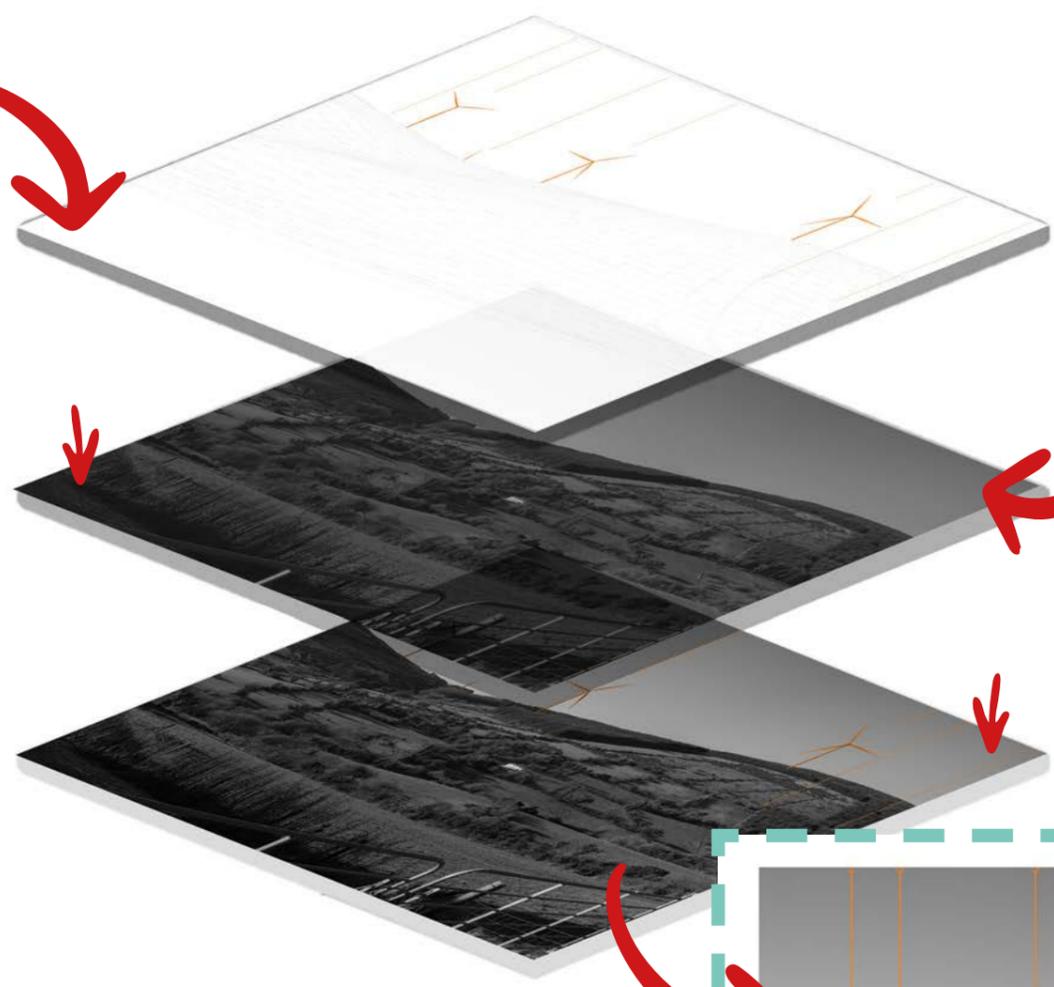
1.

Wireline



2.

Photographic image



A wireline is the model of the proposed turbines accurately scaled and positioned within a digital elevation (topography) as seen from a viewpoint.

Photowire

3.

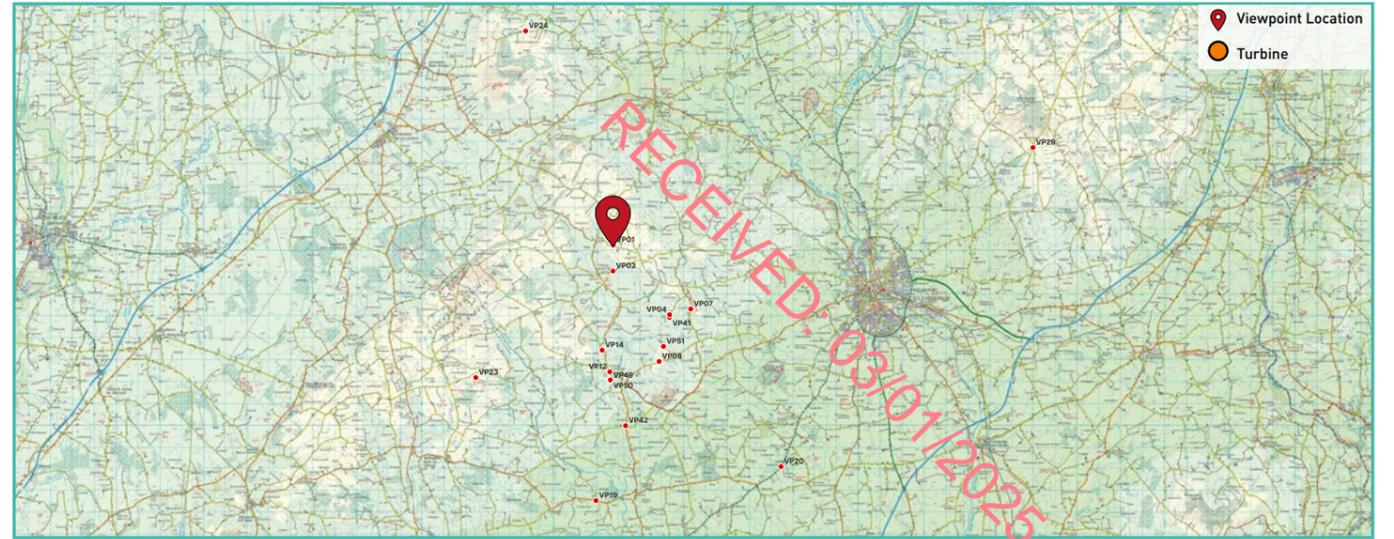


Photowires are produced by positioning and overlaying the wireline on top of the stitched photographic imagery captured from a viewpoint location.

PW-A

E 638710
N 658271

View from a local road in the townland of Tullaroan, located approximately 3.5km north of the nearest proposed turbine (T1)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Photowire - DRAFT photomontage visualisation

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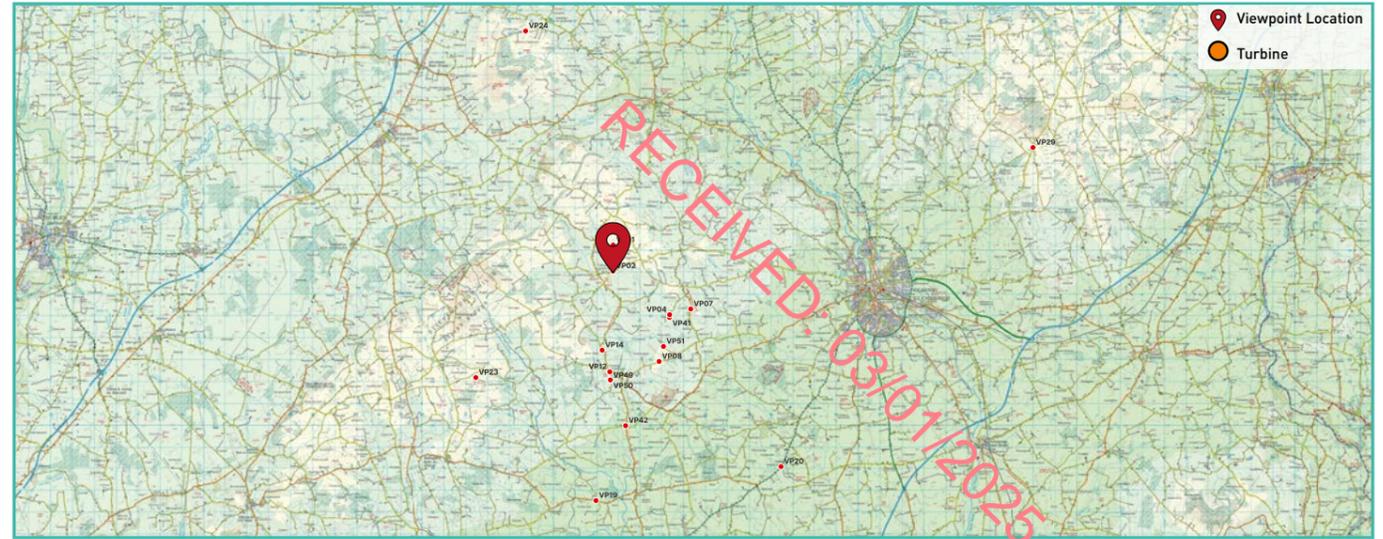
Proposed Briskalagh Wind Farm



PW-B

E 638701
N 657078

View from a local road in the townland of Tullaroan, located approximately 2.5km north of the nearest proposed turbine (T1)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

RECEIVED: 03/01/2025

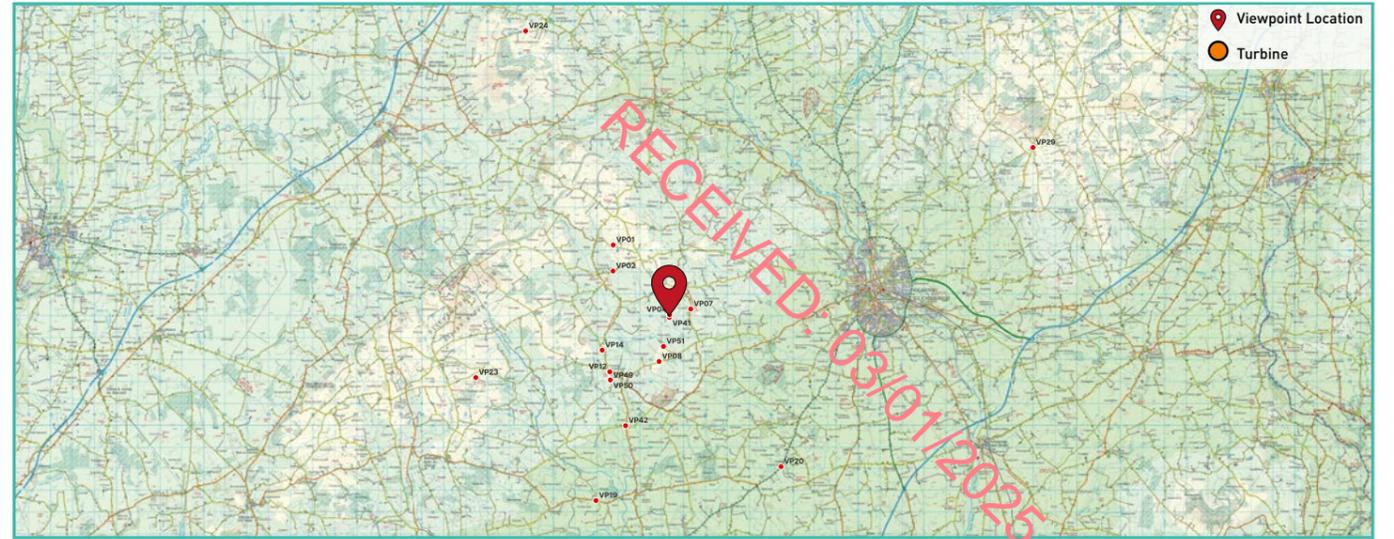
Proposed Briskalagh Wind Farm



PW-C

E 641296
N 655079

View from a local road in the townland of Riesk, located approximately 915 metres east of the nearest proposed turbine (T2).



90° View Extent

Existing View at 120°

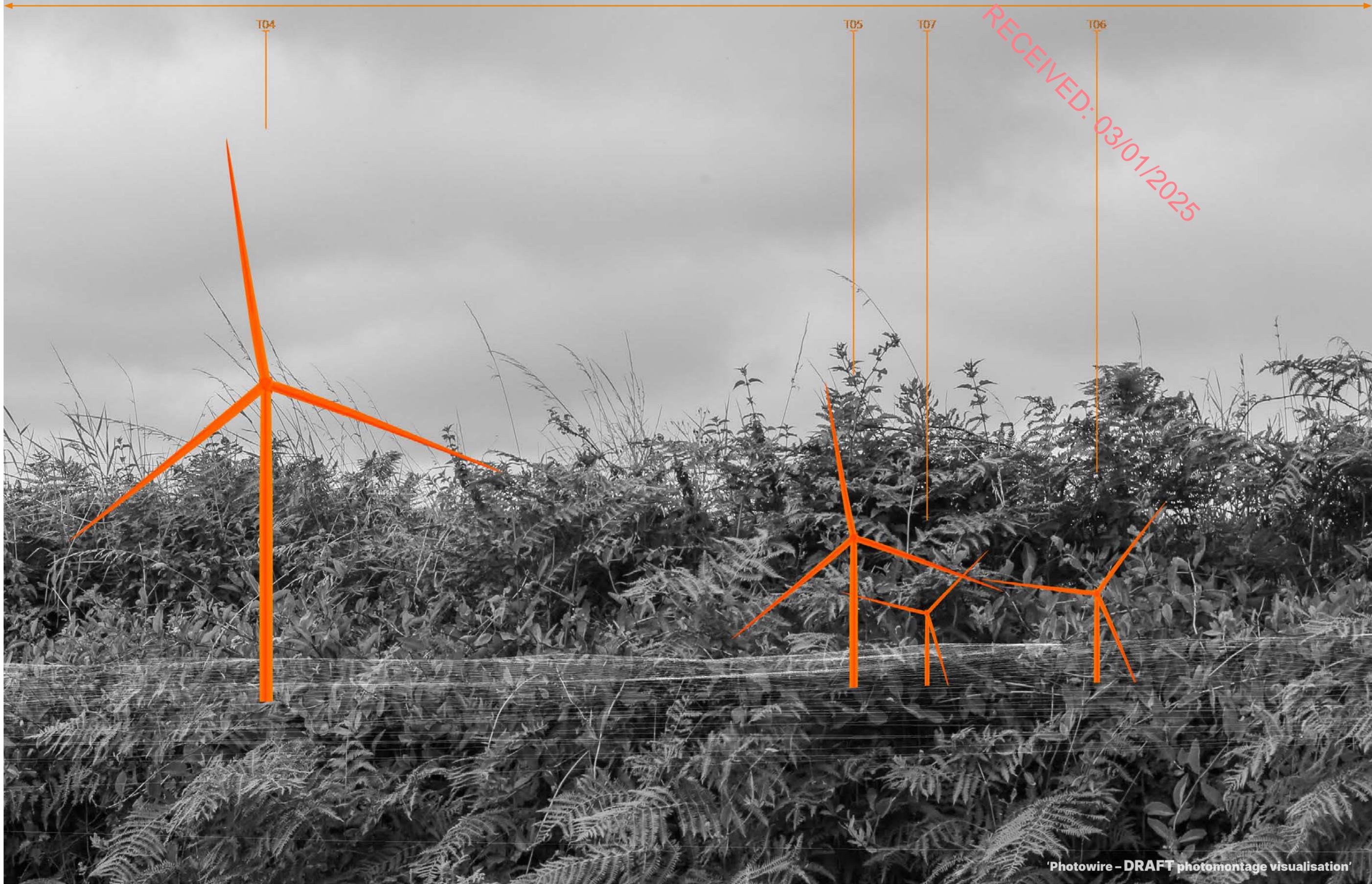


27° View Extent

Photowire at 90°



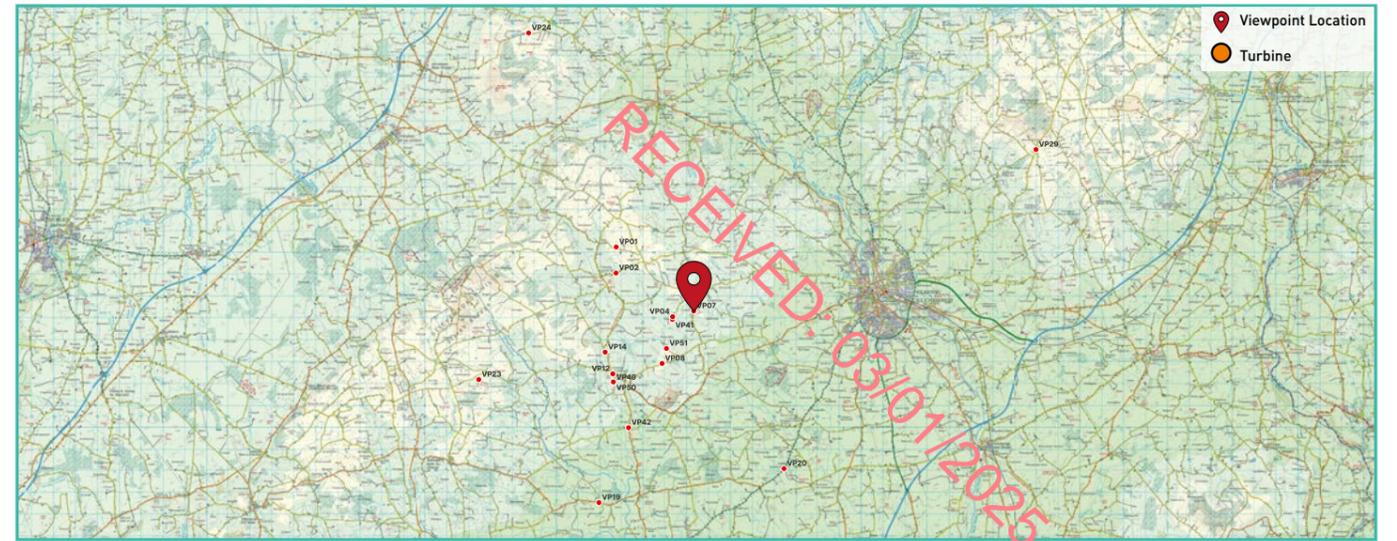
Proposed Briskalagh Wind Farm



PW-D

E 642261
N 655340

View from a local road in the townland of Corstown, located approximately 1.8km east of the nearest proposed turbine (T2).



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Proposed Briskalagh Wind Farm

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T04

T07

T05

T06

T02

T03

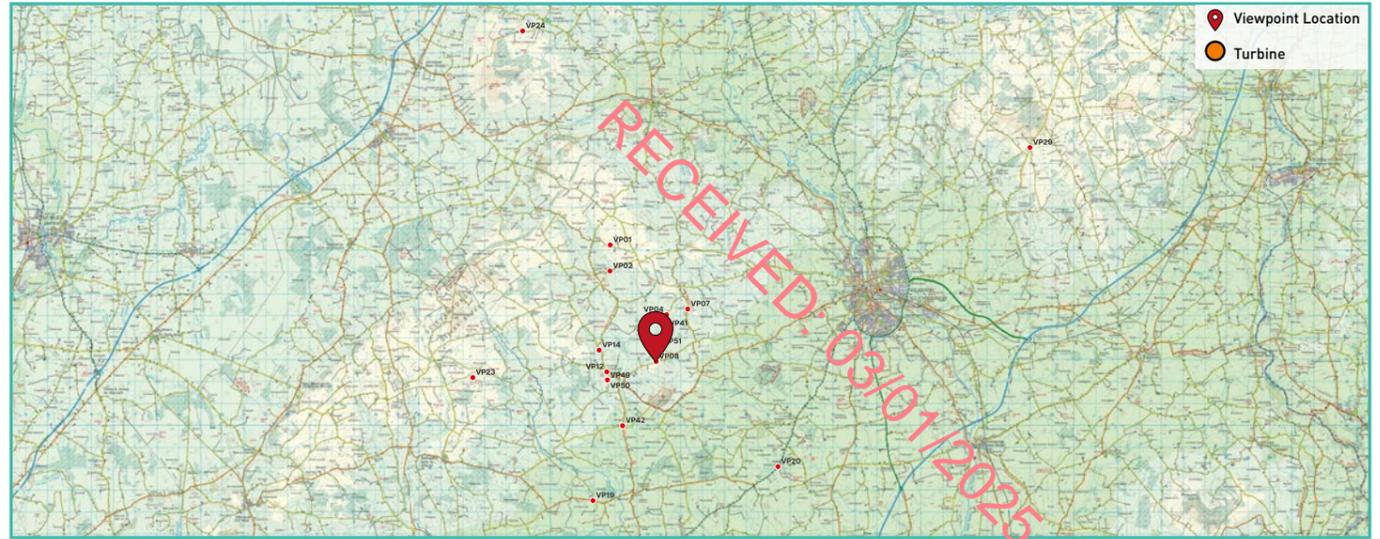
T01



PW-E

E 640811
N 652939

View from a local road in the townland of Knockeenglass, located approximately 1.5km south of the nearest proposed turbine (T5). This viewpoint is located at designated Protected View 16 in the Kilkenny County Development Plan (KCDP 2021-27)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°





Proposed Briskalagh Wind Farm

T06

T03

T05

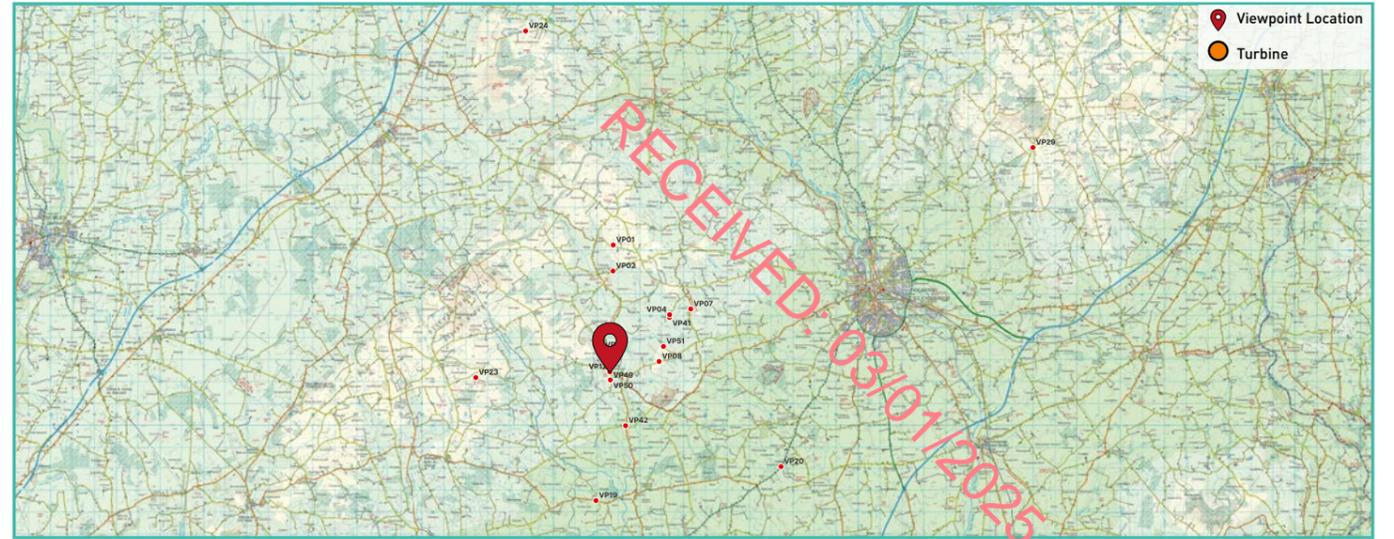
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PW-F

E 638556

N 652463

View from a local road in the townland of Kilmanagh, located approximately 1.2km south of the nearest proposed turbine (T7)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Photowire - DRAFT photomontage visualisation

Proposed Briskalagh Wind Farm

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T01
T06

T02

T05

T04

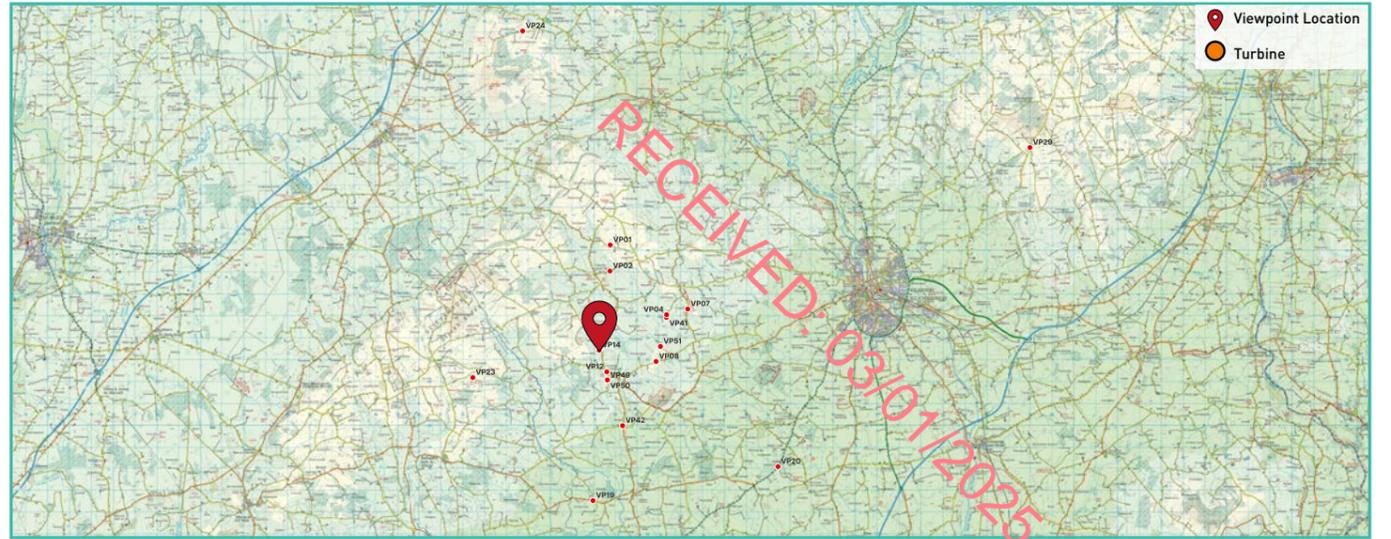


PW-G

E 638205

N 653456

View from a local road in the townland of Banse Glebe, located approximately 875 metres west of the nearest proposed turbine (T7)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

Photowire at 27°

Proposed Briskalagh Wind Farm

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T02

T06

T05

T04

T07

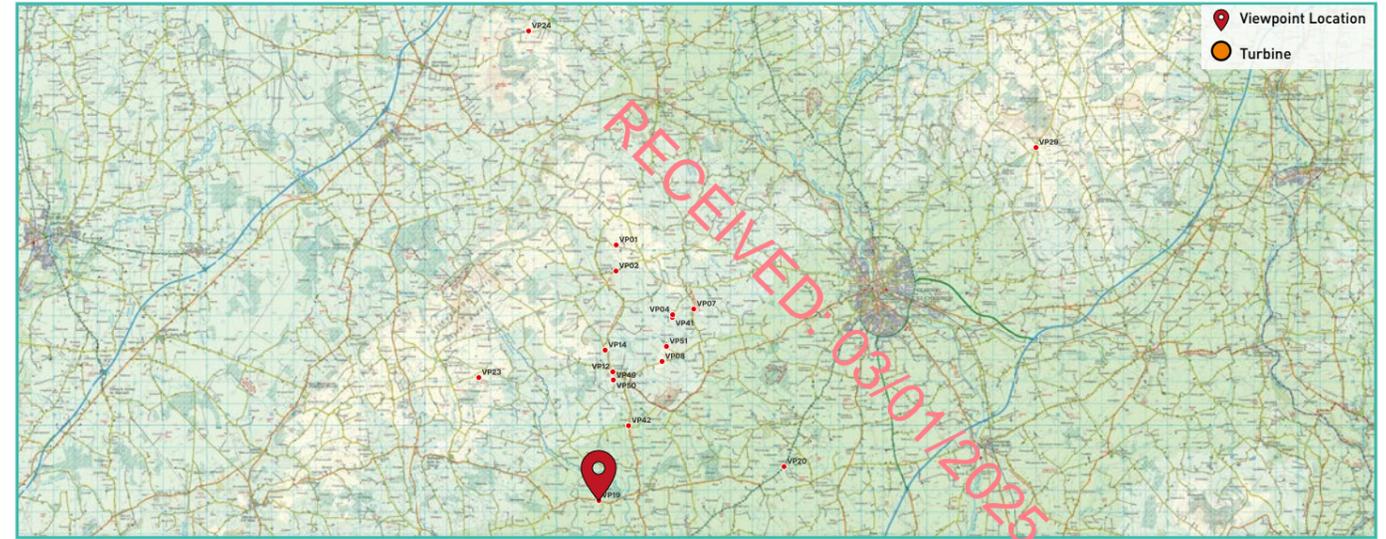


PW-H

E 637922

N 646571

View from the R691 regional road in the townland of Ballyline, approximately 7.2km south of the nearest proposed turbine (T7)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Photowire - DRAFT photomontage visualisation

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Proposed Briskalagh Wind Farm



PW-1

E 646399

N 648125

View from the N76 national road in the townland of Farmley, located approximately 8.5km southeast of the nearest proposed turbine (T4)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



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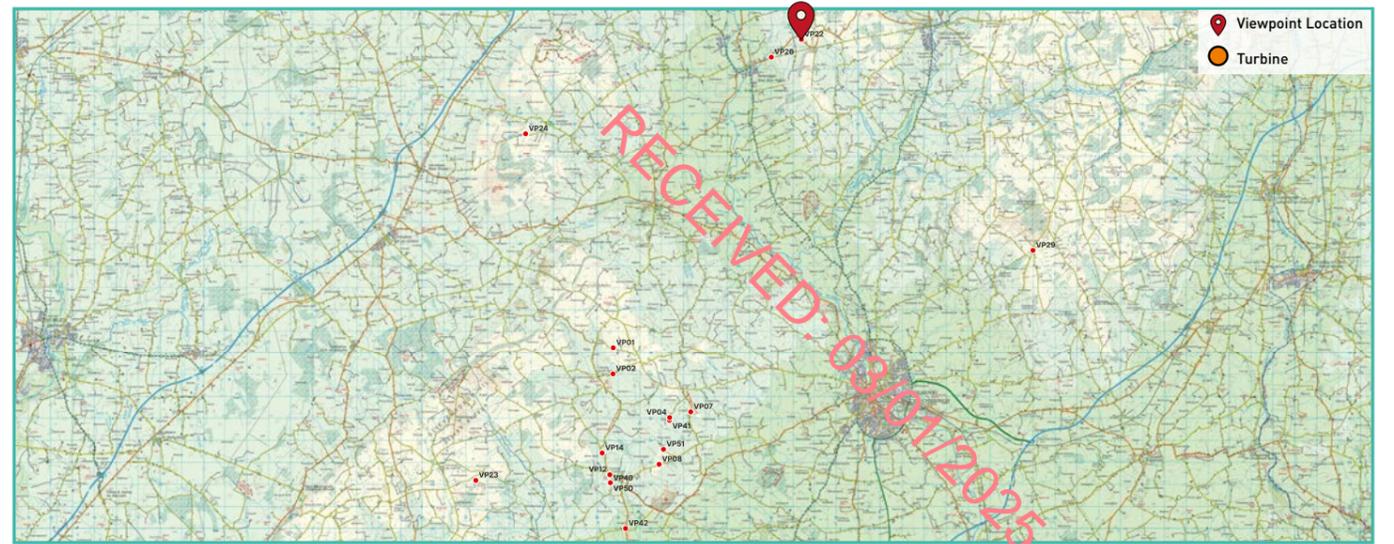
Proposed Briskalagh Wind Farm



PW-J

E 647330
N 672388

View from the R694 regional road in the townland of Finnan, located approximately 18.8km northeast of the nearest proposed turbine (T1). This viewpoint is located at County Kilkenny Protected View 12 (KCDP 2021-27)



90° View Extent

Existing View at 120°



27° View Extent

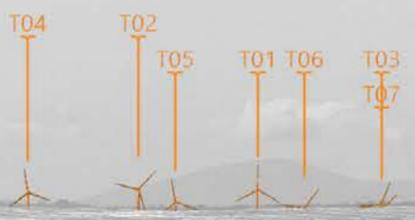
Photowire at 90°



Photowire - DRAFT photomontage visualisation

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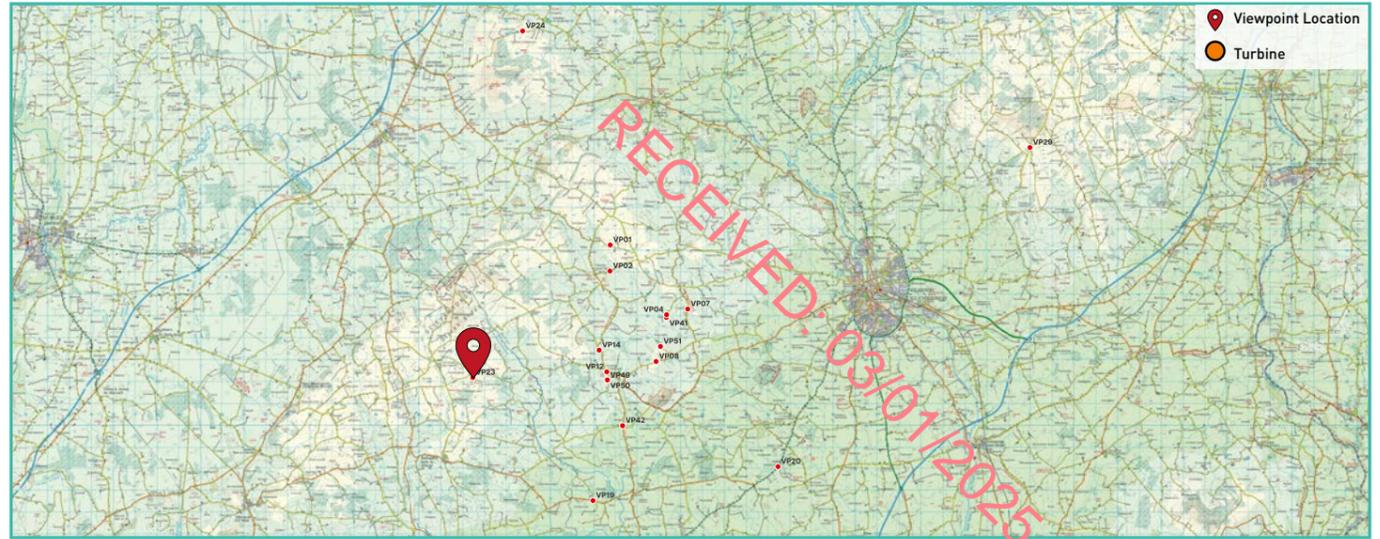
Proposed Briskalagh Wind Farm



PW-K

E 632417
N 652201

View from the Famine Warehouse in the townland of Farranrory Upper, County Tipperary, located approximately 6.8 km west of the nearest proposed turbine (T7). This viewpoint is located at County Tipperary Scenic View 27 (TCDP 2022-28)



90° View Extent

Existing View at 120°



27° View Extent

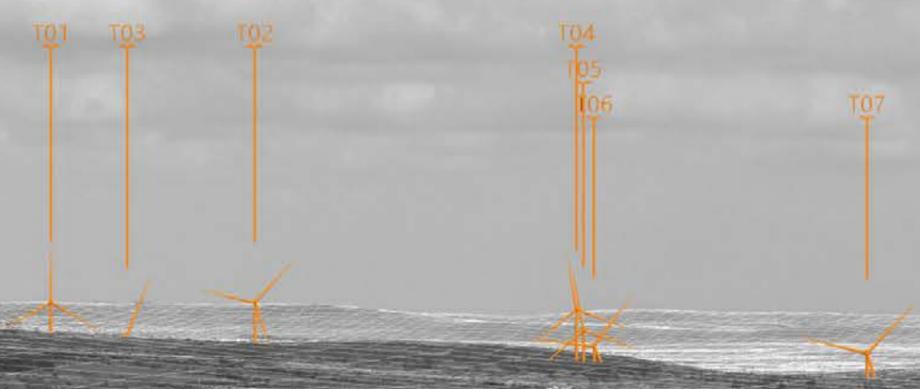
Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

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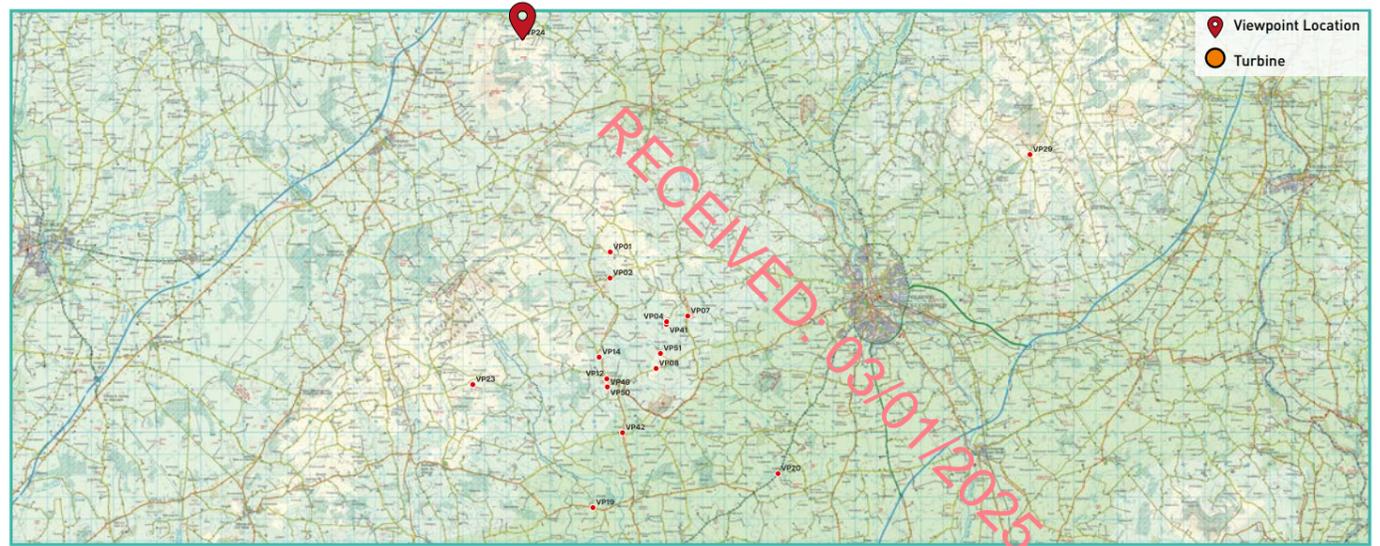
Proposed Briskalagh Wind Farm



PW-L

E 634700
N 668067

View from a local road in the townland of Ballykieran, located approximately 14.1km north of the nearest proposed turbine (T1)



90° View Extent

Existing View at 120°



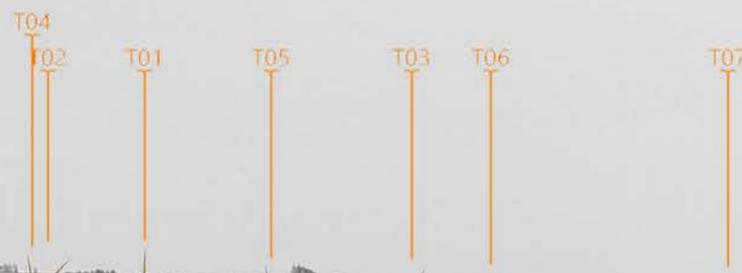
27° View Extent

Photowire at 90°



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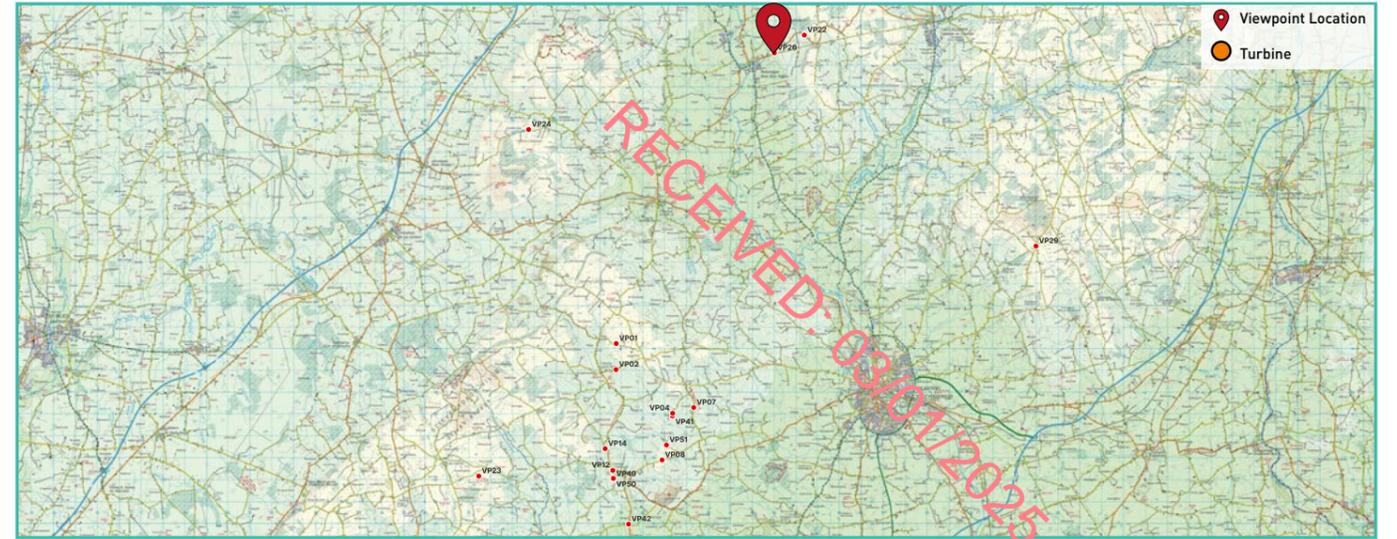
Proposed Briskalagh Wind Farm



PW-M

E 645954
N 671575

View from the R694 regional road in the townland of Ballyraggert, located approximately 17.6km northeast of the nearest proposed turbine (T1)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

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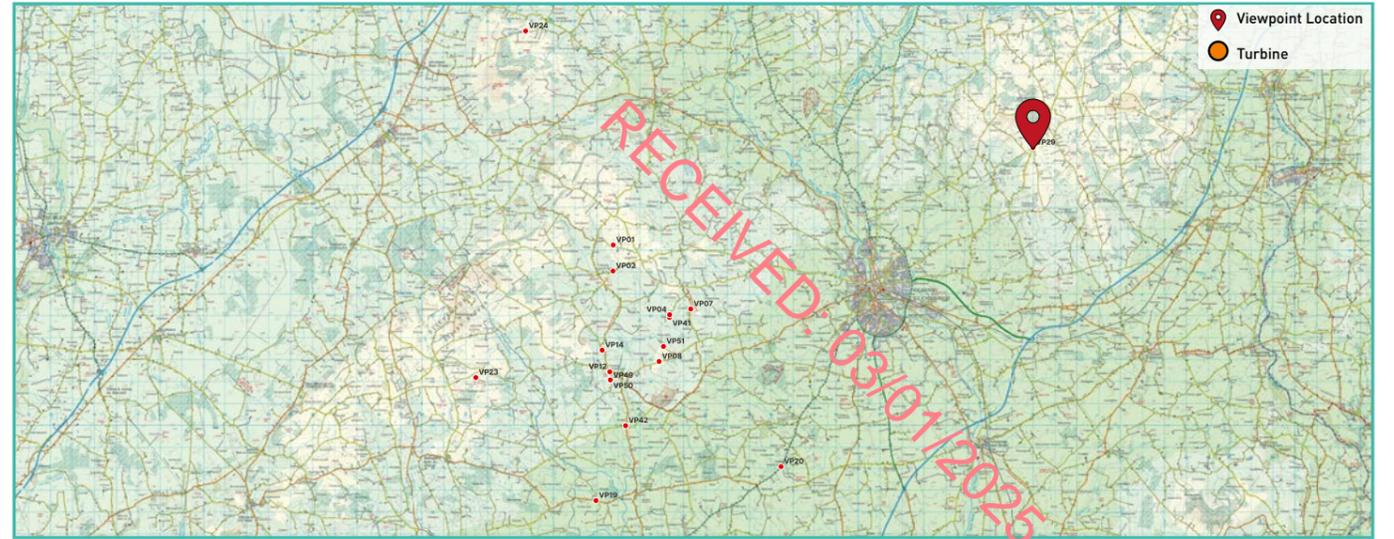
Proposed Briskalagh Wind Farm



PW-N

E 657937
N 662732

View from a local road in the townland of Ossoryhill, located approximately 19.2km northeast of the nearest proposed turbines (T4). This viewpoint is located at County Kilkenny Protected View 13 (KCDP 2021-27)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

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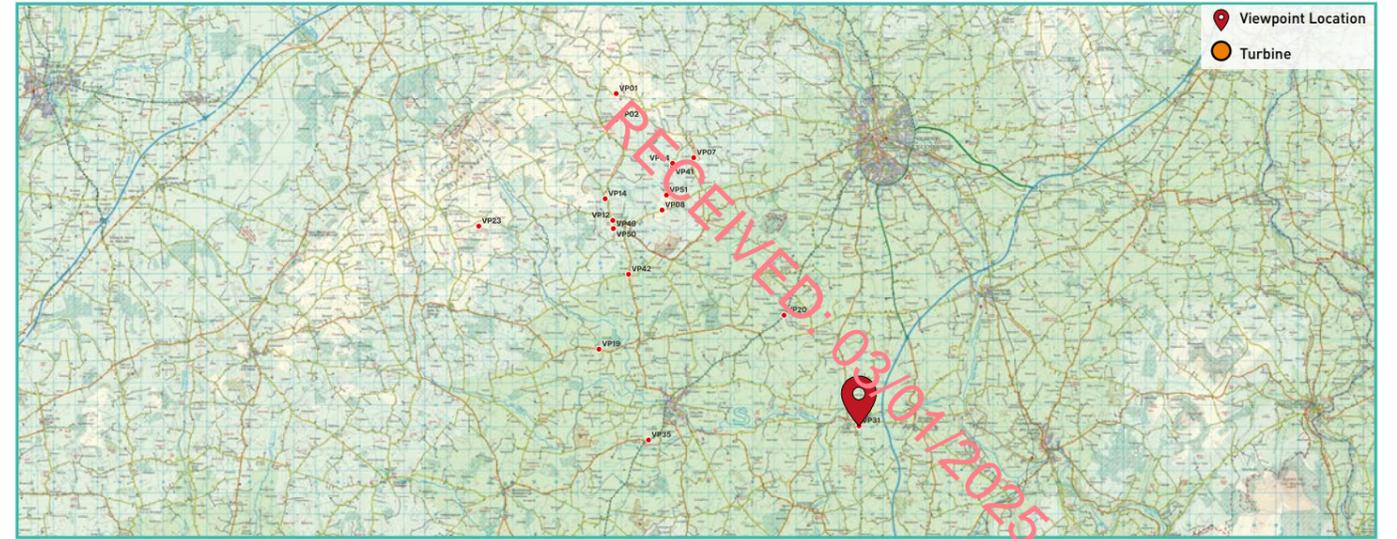
Proposed Briskalagh Wind Farm



PW-O

E 649834
N 643061

View from a local road in the townland of Rathduff overlooking the Kells Priory, located approximately 14.6km southeast of the nearest proposed turbine (T4)



90° View Extent

Existing View at 120°



27° View Extent

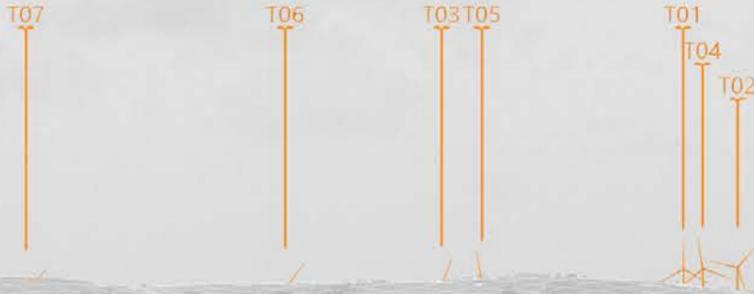
Photowire at 90°



Photowire at 27°

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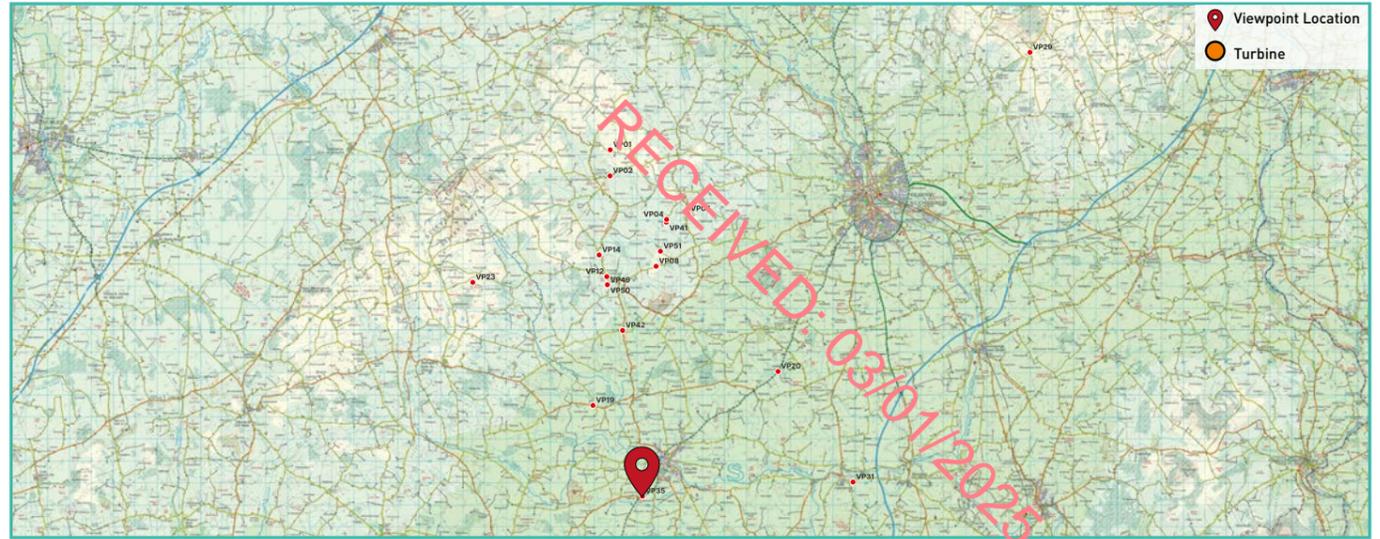
Proposed Briskalagh Wind Farm



PW-P

E 640193
N 642413

View from the N76 national road in the townland of Riversfield, located approximately 11.2km south of the nearest proposed turbine (T7)



90° View Extent

Existing View at 120°



27° View Extent

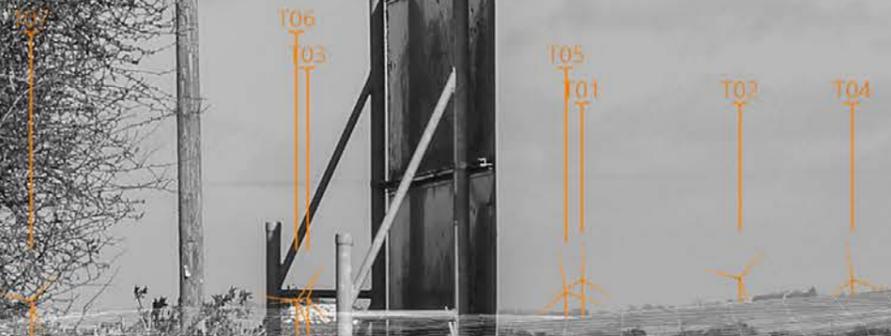
Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

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Proposed Briskalagh Wind Farm



PW-Q

E 641285

N 654955

View from a local road in the townland of Riesk, located approximately 845 metres east of the nearest proposed turbine (T4)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Photowire - DRAFT photomontage visualisation

Photowire at 27°



Proposed Briskalagh Wind Farm

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T02 T03

T07

T05

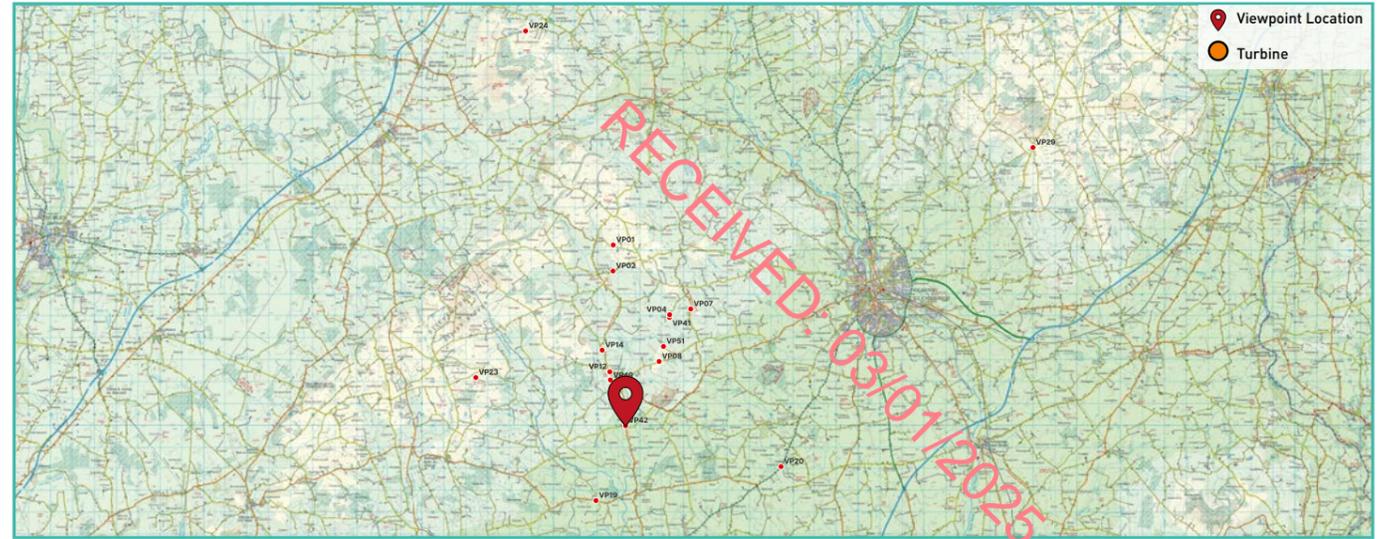
T06

Photowire - DRAFT photomontage visualisation

PW-R

E 639277
N 650000

View from a local road in the townland of Graigue Hartford, located approximately 3.6km south of the nearest proposed turbine (T7)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Photowire - DRAFT photomontage visualisation

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Proposed Briskalagh Wind Farm

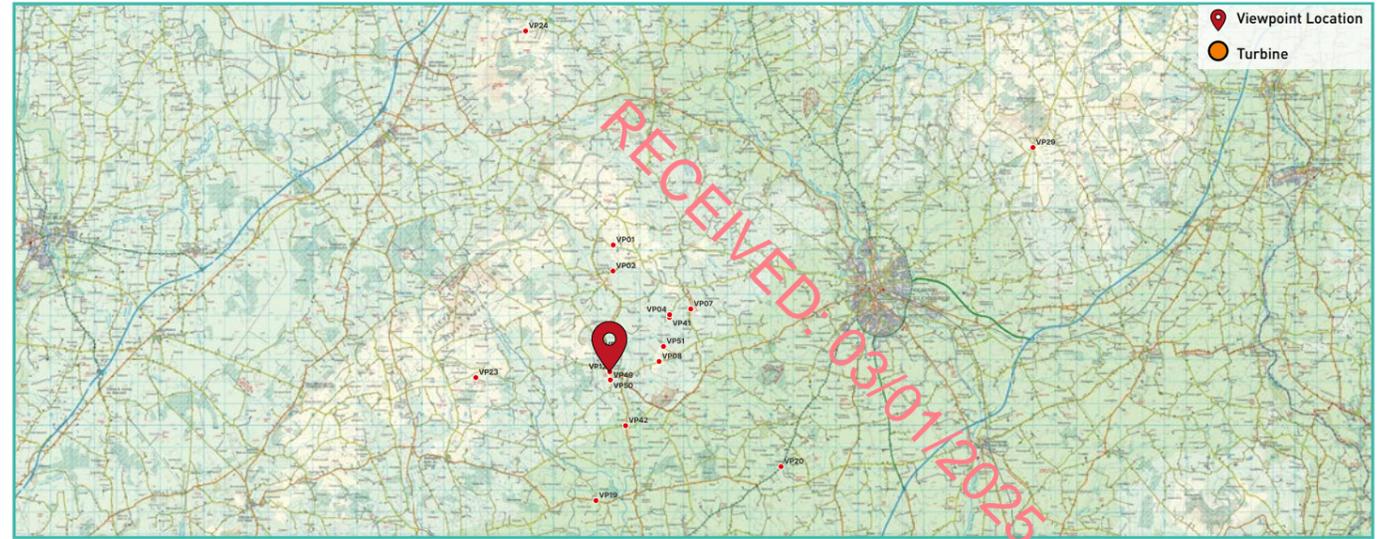


PW-S

E 638579

N 652065

View from a local road in the townland of Pottlerath, located approximately 1.7km south of the nearest proposed turbine (T7)



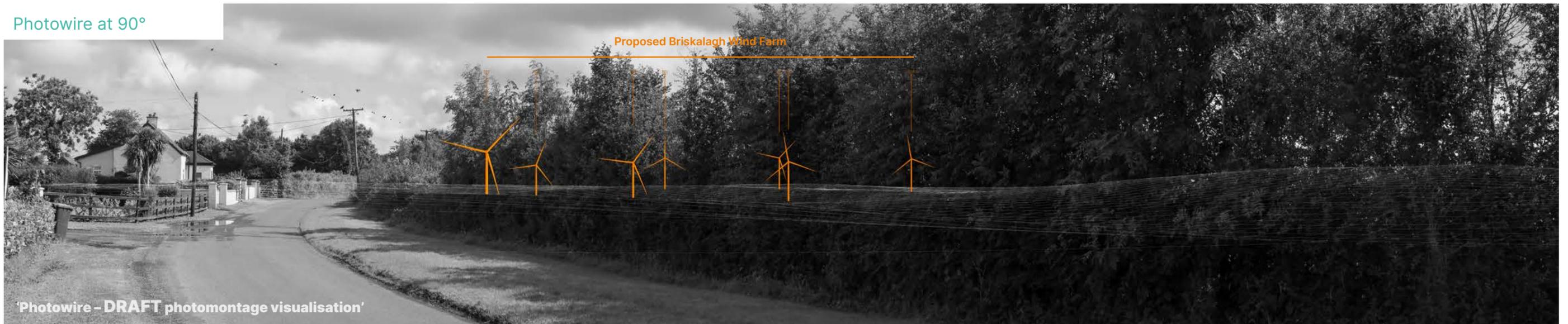
90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Proposed Briskalagh Wind Farm

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PW-T

E 638580

N 652095

View from a local road in the townland of Pottlerath, located approximately 1.6km south of the nearest proposed turbine (T7)



90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



'Photowire - DRAFT photomontage visualisation'

Proposed Briskalagh Wind Farm

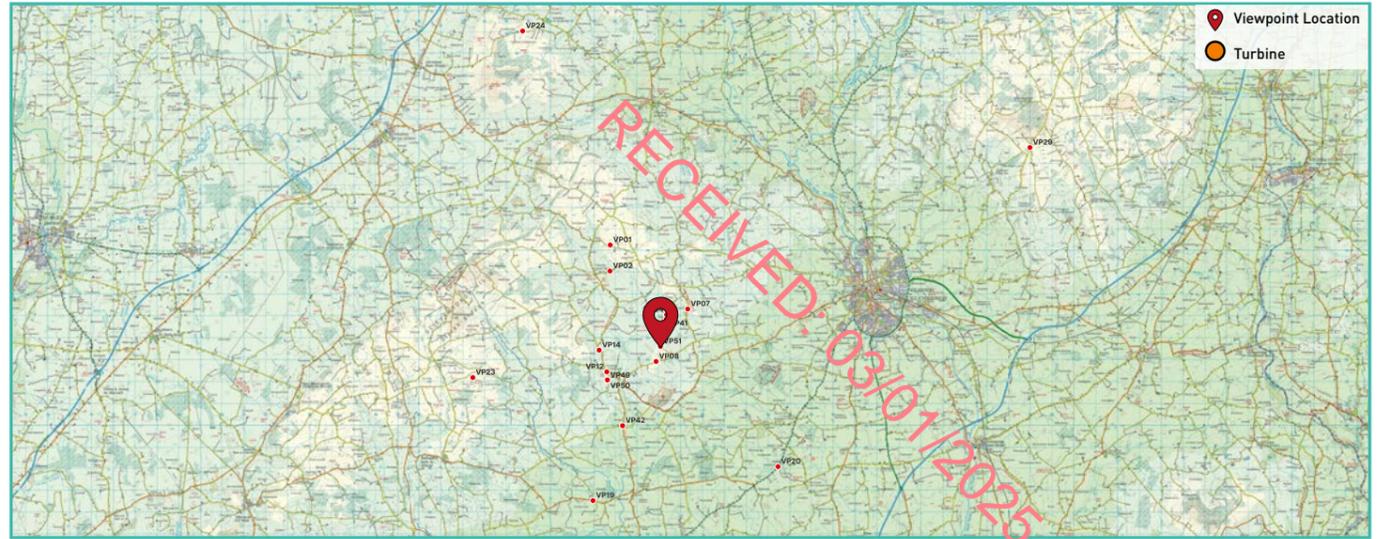


PW-U

E 641014

N 653625

View from a local road in the townland of Ballycuddihy, located approximately 850 metres south of the nearest proposed turbine (T4)



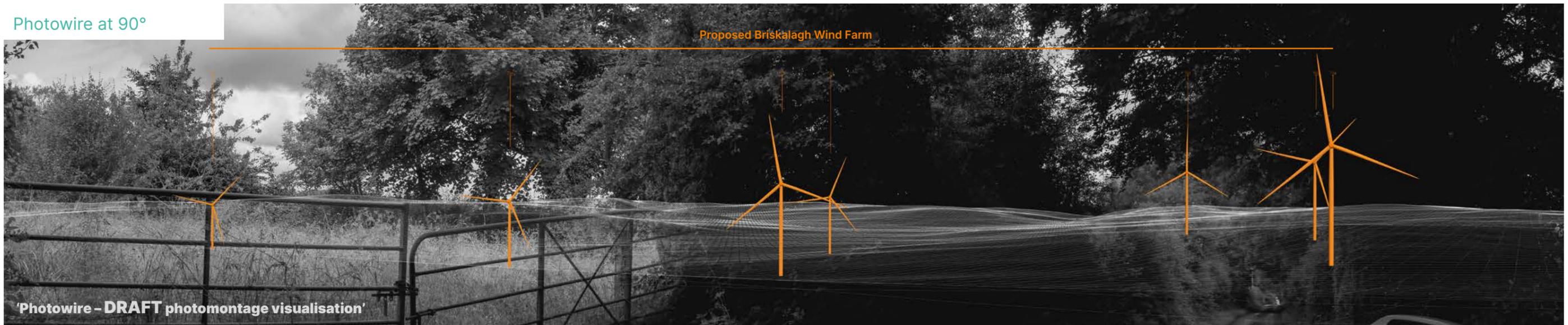
90° View Extent

Existing View at 120°



27° View Extent

Photowire at 90°



Photowire at 27°

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T05

T03

'Photowire - DRAFT photomontage visualisation'



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