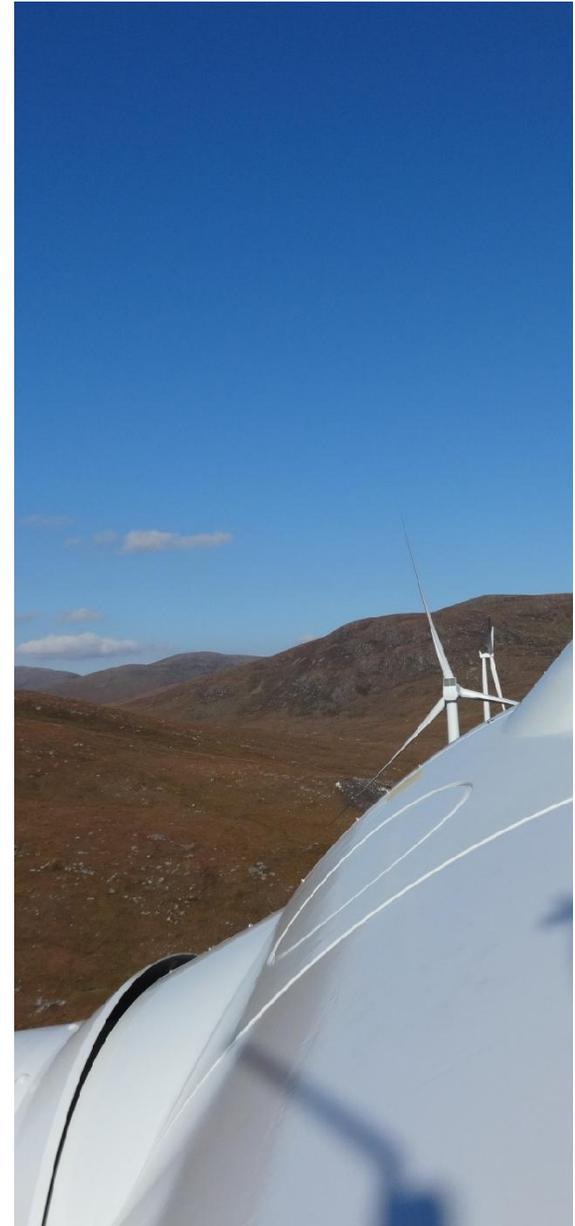


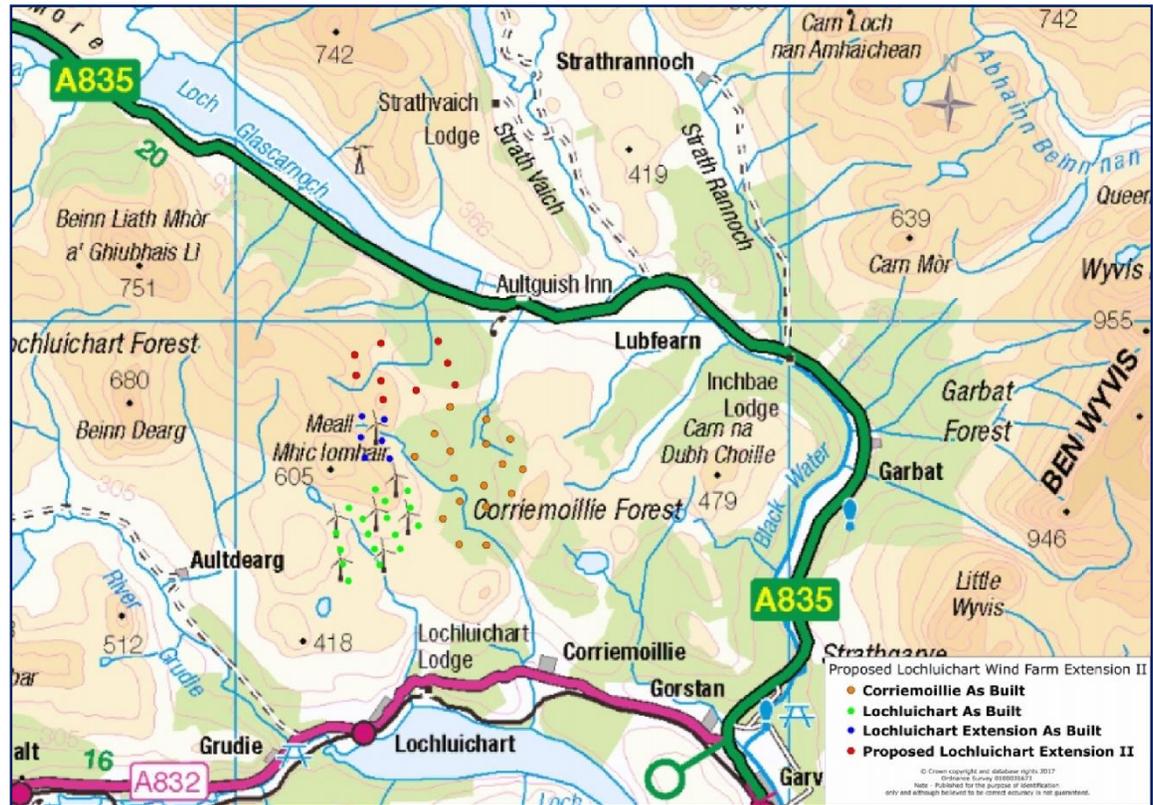
Welcome to the Community Open Day for Lochluichart Wind Farm Extension II

- Thank you for visiting the Community Open Day. Here you will find a selection of information boards outlining the proposal for a further extension to the operational Lochluichart Wind Farm. Please take your time to study the information and please do not hesitate to speak with any of the project team members who are here to answer your questions.
- If you would like to leave a written comment, please help yourself to a 'Voice Your Opinion' comment form, available from the reception desk.
- There are several ways to obtain further information and to contact us:
 - Our website www.lxxwindfarm.co.uk will be updated regularly to provide you with the latest information. We will publish the planning application documents including the Environmental Statement on the website once the application has been submitted.
 - Ring the freephone number **0800 980 4299**.
 - Email us at info@lxxwindfarm.co.uk
 - Write to us using **Freepost Infinergy Ltd.**



Overview of the proposed plans

- The proposal is to develop a wind farm of up to nine turbines as an extension to the existing, operational Lochluichart and Corriemoillie Wind Farms.
- The development would be located to the north of the operational wind farms.
- The proposed turbines would have a maximum tip height of up to 150m when one of the blades is in a vertical position.
- Nine wind turbines of this size could have an installed generating capacity of up to 32.4 megawatts (MW). At present there are various different turbine models that suit this site. New and updated models matching the proposed dimensions will also be considered.



Proposed 9-turbine extension

Electricity & CO₂ equivalent

- Combined, nine turbines with an installed capacity of 32.4MW would have the ability to produce enough green electricity to meet the annual demand of over 21,905 homes*
- The wind farm would replace the emissions of over 36,735 tonnes of CO₂ each year*

*Source: RenewableUK. These calculations take the variable output of wind power into consideration and are considered industry standard (Figures based on the Scottish Government carbon calculator will be available as part of the LXX Environmental Statement).

Next steps

- We are planning to submit the s36 planning application for **Lochluichart Wind Farm Extension II** to the Scottish Government early next year.
- The Highland Council is statutory consultee in this process, along with Scottish Natural Heritage and SEPA; a number of other consultees will also be consulted.
- An Environmental Statement (ES) including all the results from the surveys will be submitted with the planning application. All documents will be uploaded to our website www.lxxwindfarm.co.uk under 'Downloads'.
- If you would like to receive a CD containing all the planning application documents or a hard copy of the Non-Technical Summary (NTS, a condensed version of the ES), please request this in the 'Voice your opinion' comment form available at the reception desk. The CDs and the NTS are provided free of charge for as long as stock last.
- The timeline shown below gives an indication of possible timescales should the proposal be deemed acceptable and is subject to change depending on the planning process.



Community Benefit and Shared Ownership

- This area has a well-established Development Trust, the Lochluichart Community Trust (LCT), and newly formed Garve & District Development Company in place to help the community become more resilient and sustainable over the long term. Thanks to the community benefit from the Lochluichart and Lochluichart Wind Farm Extension projects, as well as funds from the Corriemoillie Wind Farm, many projects have already been developed and additional funds from this new extension would allow even more good causes to be supported locally.
- Whilst a comprehensive Community Needs Assessment has already been undertaken, if you have further ideas for projects, please do let us know either at the open days, by filling in the form below or by contacting us directly.
- For example, should the funds support:
 - Skills and education?
 - Business enterprise?
 - Tourism infrastructure, eg. mountain bike trails, investment in access, signage etc?
 - Energy saving measures for local people?
 - Affordable housing?
- Please feel free to write any ideas that you have on how community benefit could make a positive contribution to your local community on the 'post-its' provided and stick them up on this panel. Alternatively, please complete a 'Voice Your Opinion' comment form which is available from the reception desk or just tell us while you are here.



How wind farms are changing

Wind farms are changing, and that's due to a number of different things:

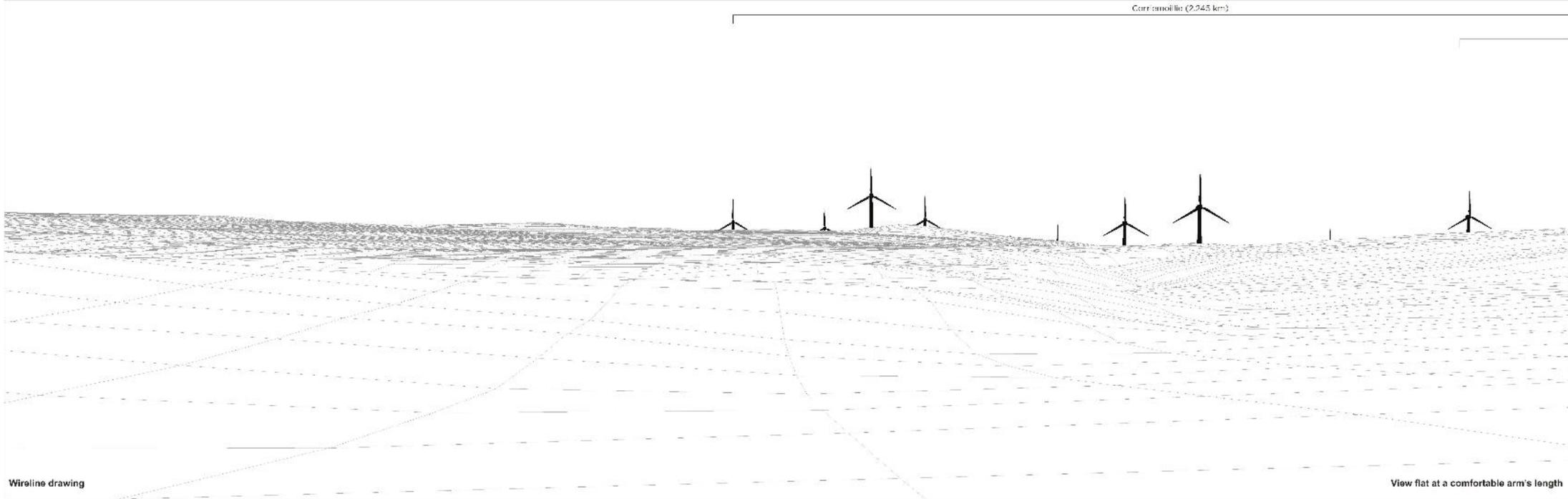
- **Market support:** All forms of new renewable energy technology are given financial support by the UK Government until they reach a stage where they can be economically viable without it. Onshore wind is now a 'mature' technology, and previously used market support mechanisms have now concluded. This means that a wind farm designed today must be able to pay for itself simply through the sale of electricity and in order to do that, the most efficient design and turbines need to be utilised.
- **New turbine technology:** Turbine design is becoming more and more efficient. In order to maximise the amount of energy a turbine can generate, by capturing as much wind as possible, tower heights are increasing and the blades are getting longer. In the UK, there have been new wind farm proposals coming forward which are considering turbines of up to 175m tip height, for example, Clash Gour Wind Farm (Force9/EdF) and 200m at Rothes 3 (Fred Olsen), both in Moray.
- **New design tools:** The tools we have available to us now to assess locations in terms of the technical requirements, particularly in relation to wind resource, have improved greatly over the years. All that feeds back into the design process and helps developers design the best wind farm for the site in question.

Lochluichart Wind Farm, Highland
Image for illustrative purposes only



This will mean that in the future, wind farm sites, whether they be new sites, extensions or the repowering of existing sites, will most likely have larger turbines to try and maximise the energy potential.

View from A835, Aultguish Inn

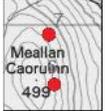


Wireline view illustrating Lochluichart Extension II wind farm layout (not seen in this part of the view).

Viewpoint Data:-

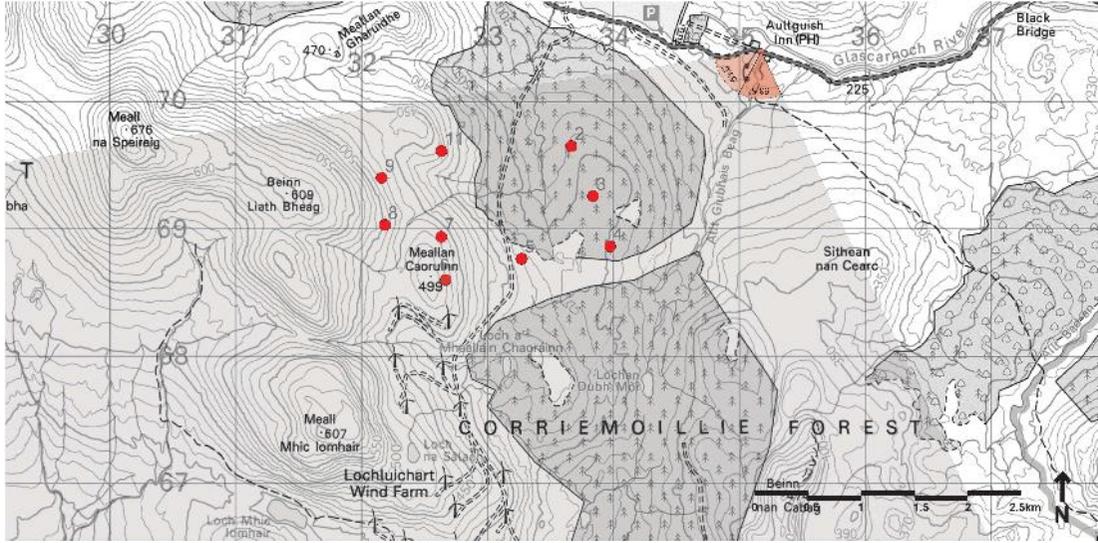
- OS Reference: - 235172 E 870390 N
- Eye level: - c 228.97 m AOD
- Direction of view: - **181.5** - 235 degrees
- Nearest turbine: - 1.680 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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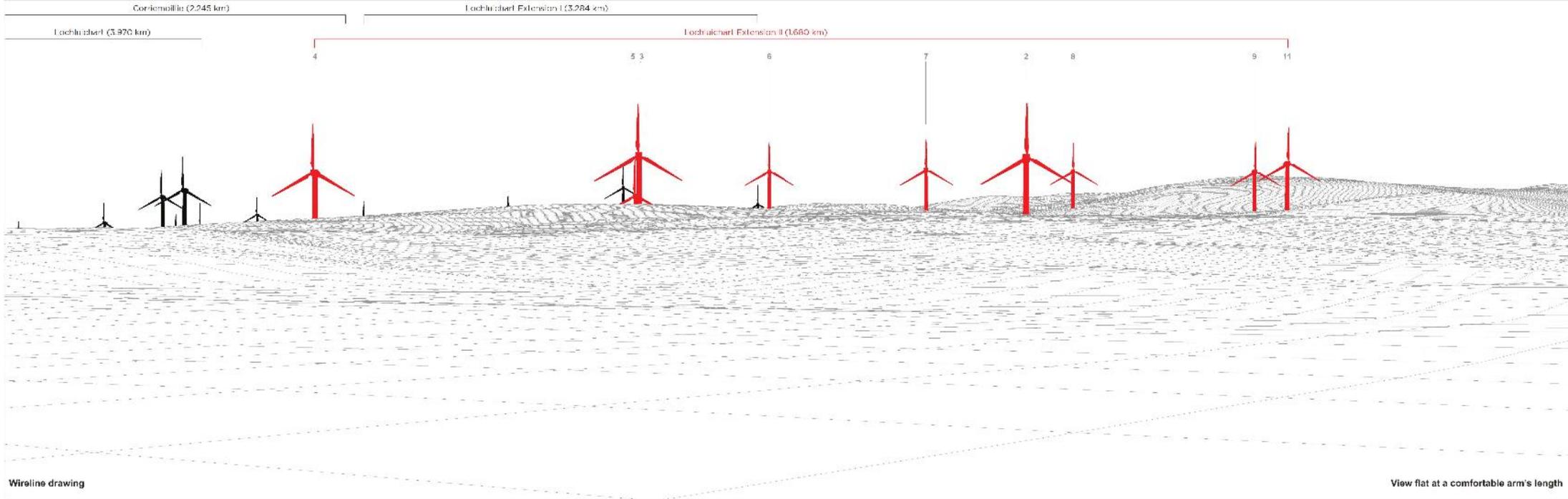
Viewpoint location plan



Wireline: While the landform and the curvature of the earth are taken into account, no features such as trees or buildings, which might otherwise obscure the views, are accounted for in the wirelines.

Note: Visualisations can give an impression of the appearance of a landscape and proposed wind farm. However neither photographs or visualisations can convey a view exactly as it would be seen by the human eye in reality.

View from A835, Aultguish Inn

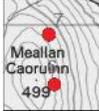


Wireline view illustrating Lochluichart Extension II wind farm layout.

Viewpoint Data:-

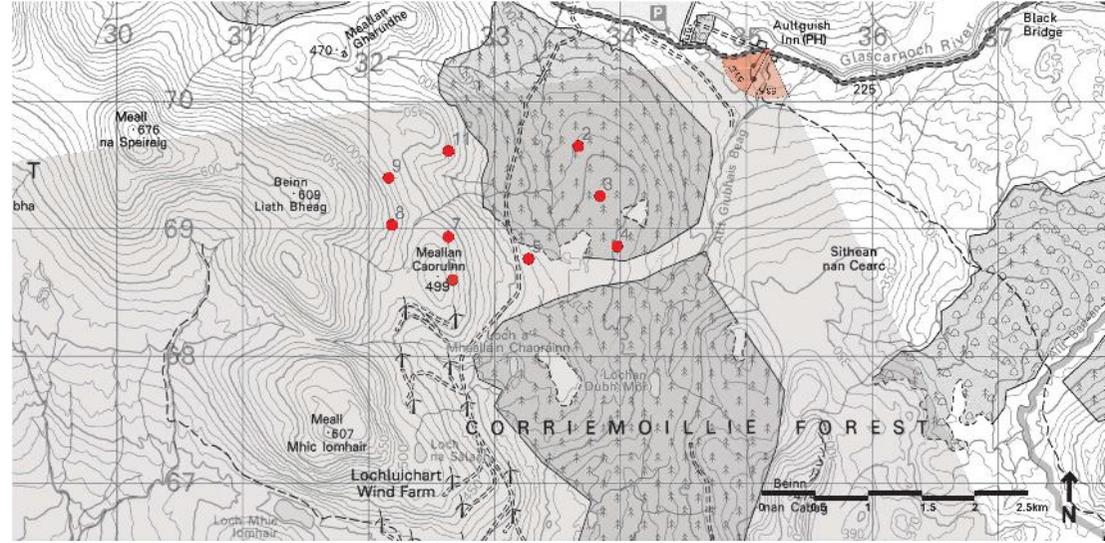
- OS Reference: - 235172 E 870390 N
- Eye level: - c 228.97 m AOD
- Direction of view: - 181.5 - **235** degrees
- Nearest turbine: - 1.680 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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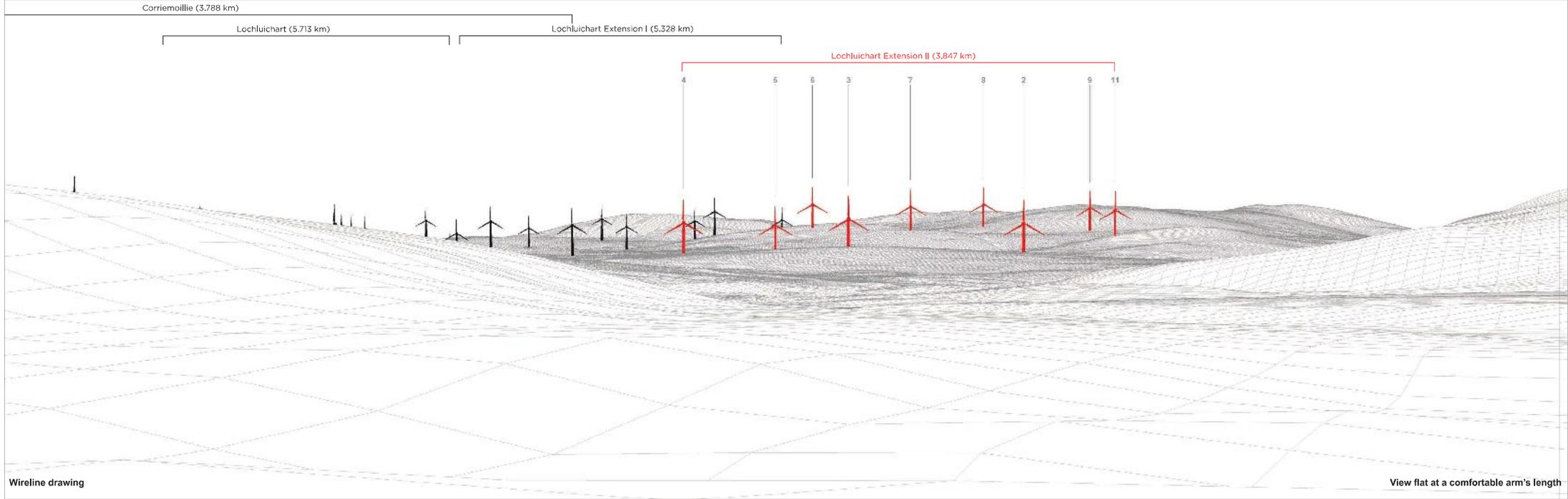
Viewpoint location plan



Wireline: While the landform and the curvature of the earth are taken into account, no features such as trees or buildings, which might otherwise obscure the views, are accounted for in the wirelines.

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A835 Black Bridge Road



Wireline view illustrating Lochluichart Extension II wind farm layout.

Viewpoint Data:-

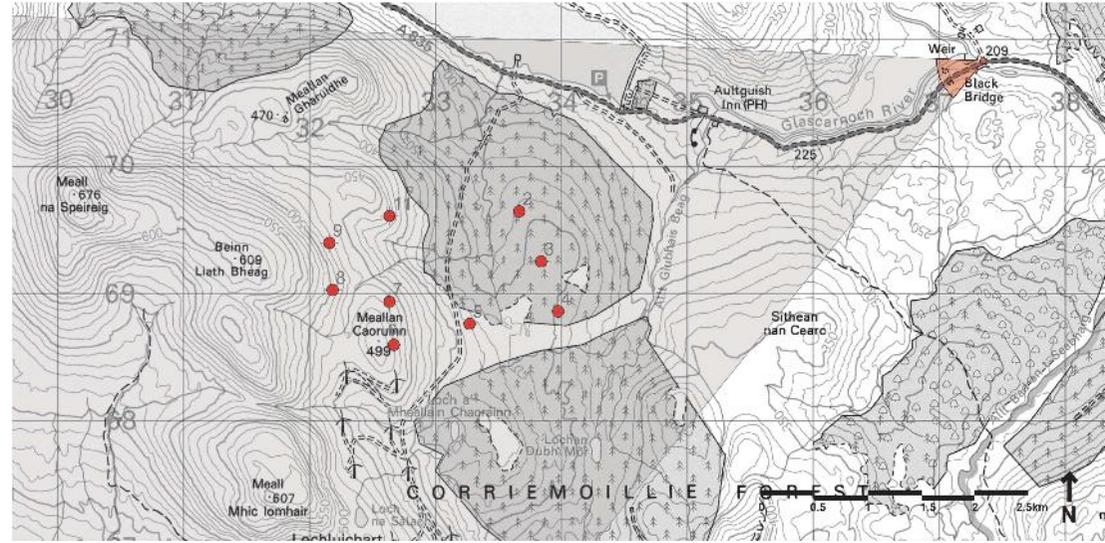
- OS Reference: - 237347 E 870830 N
- Eye level: - c 212.57 m AOD
- Direction of view: - 243.5 degrees
- Nearest turbine: - 3.847 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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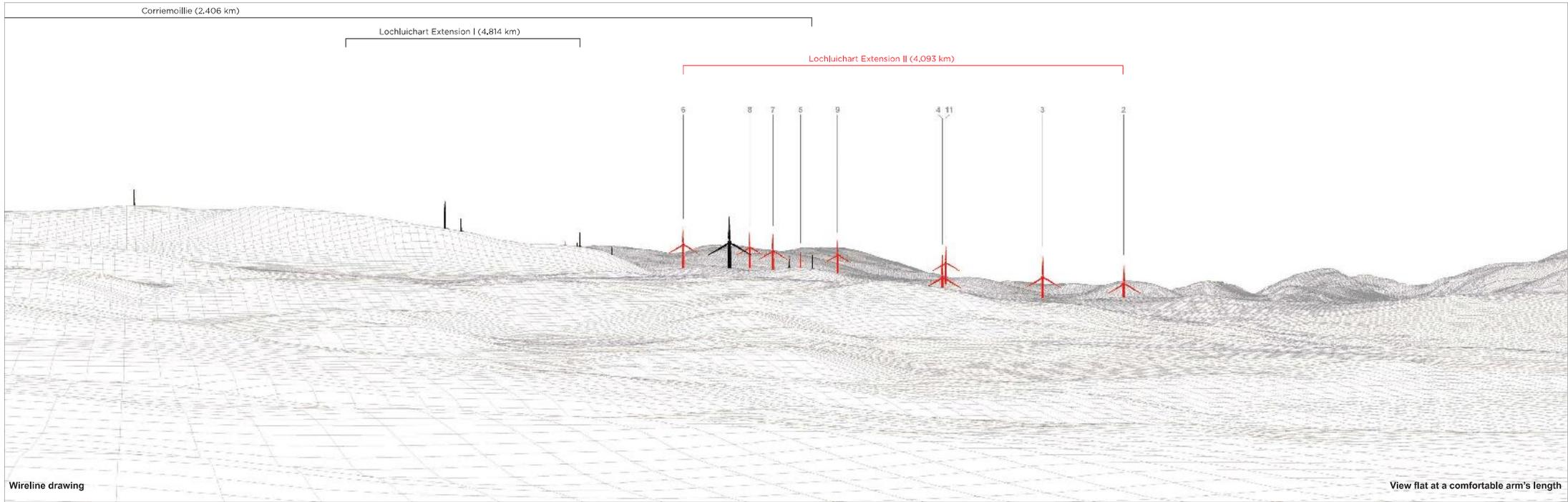
Viewpoint location plan



Wireline: While the landform and the curvature of the earth are taken into account, no features such as trees or buildings, which might otherwise obscure the views, are accounted for in the wirelines.

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Old Drover's Road, Corriemoillie

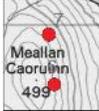


Wireline view illustrating Lochluichart Extension II wind farm layout.

Viewpoint Data:-

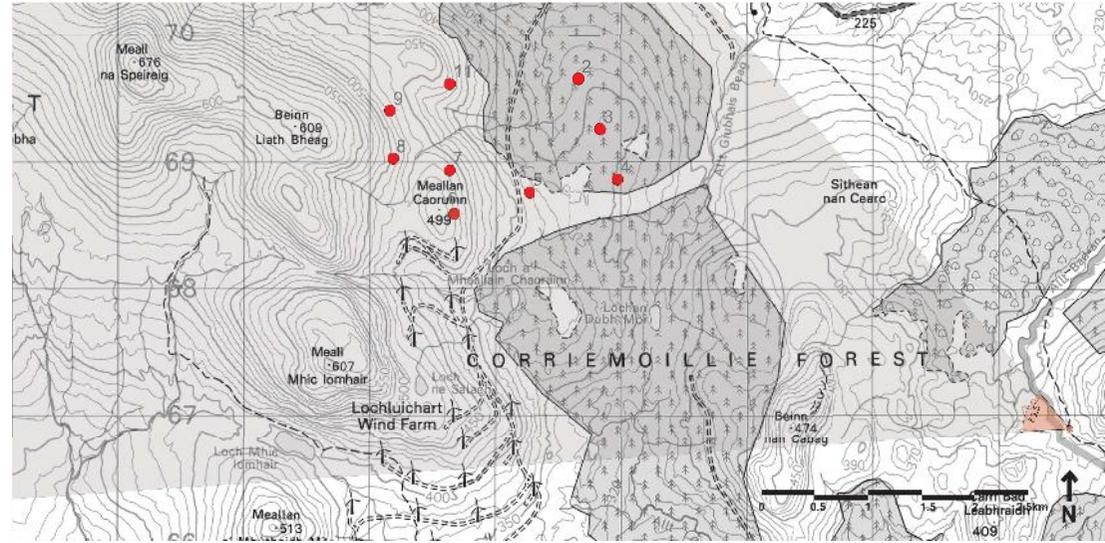
- OS Reference: - 237561 E 866891 N
- Eye level: - c 336.13 m AOD
- Direction of view: - 293 degrees
- Nearest turbine: - 4.093 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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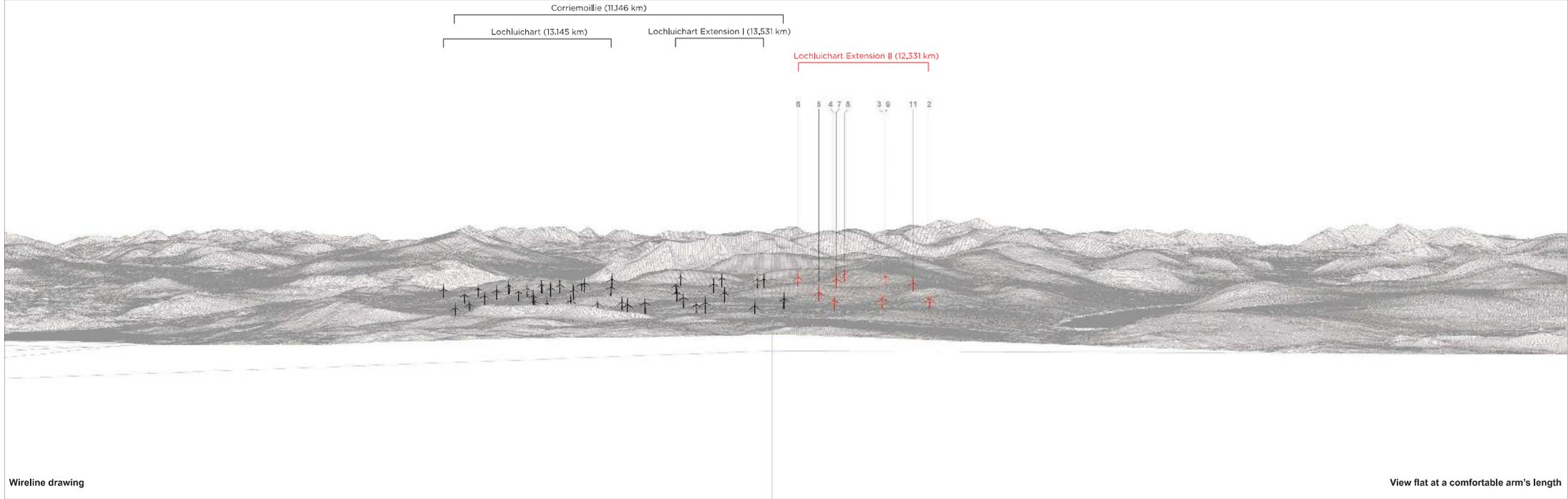
Viewpoint location plan



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Summit of Ben Wyvis



Wireline view illustrating Lochluichart Extension II wind farm layout.

Viewpoint Data:-

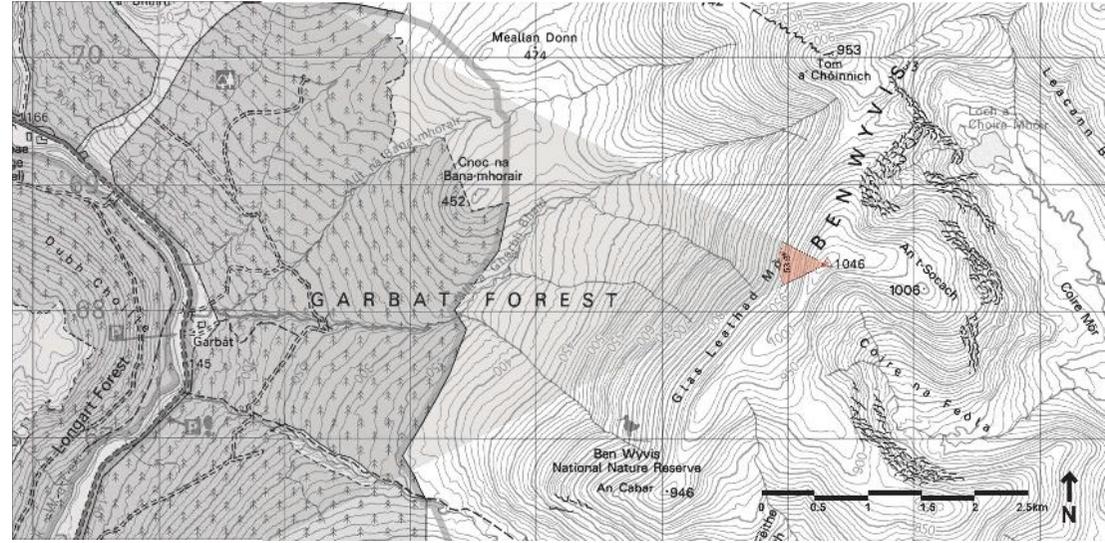
- OS Reference: - 246294 E 868370 N
- Eye level: - c 1046.82 m AOD
- Direction of view: - 270.5 degrees
- Nearest turbine: - 12.331 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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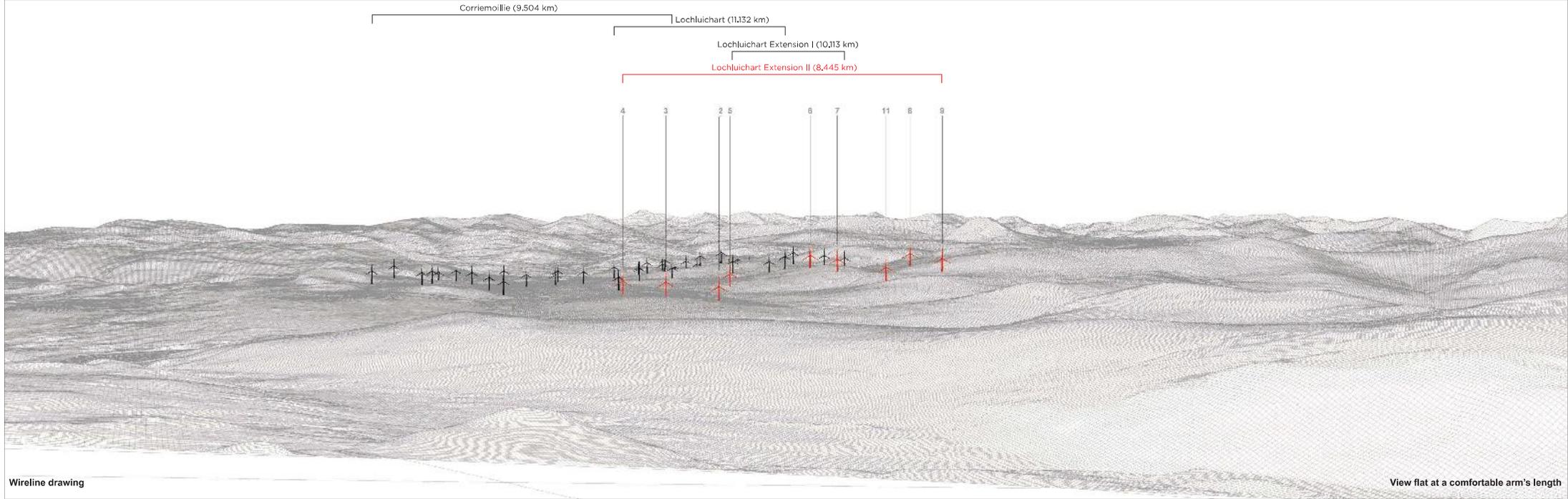
Viewpoint location plan



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Beinn a Chaisteil (Summit of Meall a Ghrianain)



Wireline drawing

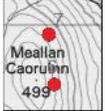
View flat at a comfortable arm's length

Wireline view illustrating Lochluichart Extension II wind farm layout.

Viewpoint Data:-

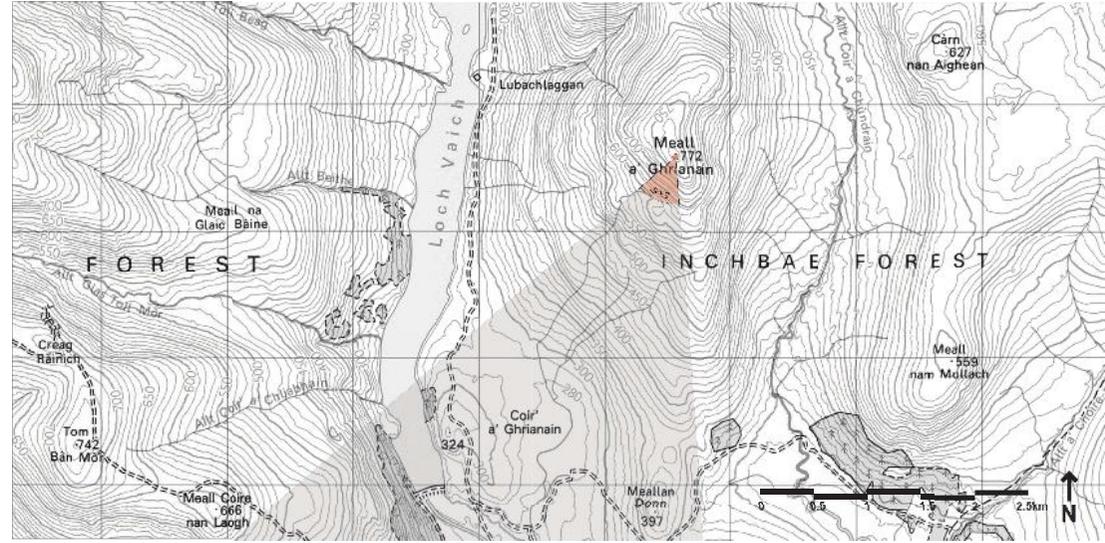
- OS Reference: - 236555 E 877583 N
- Eye level: - c 774.06 m AOD
- Direction of view: - 202.5 degrees
- Nearest turbine: - 8.445 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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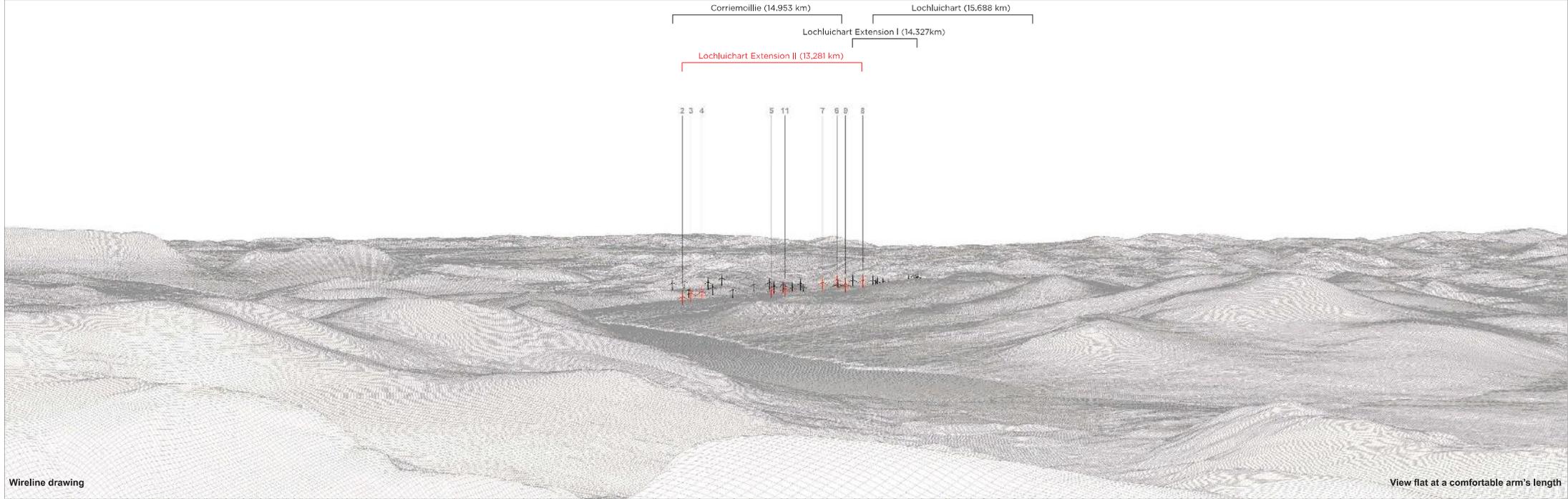
Viewpoint location plan



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Summit of Beinn Dearg



Wireline drawing

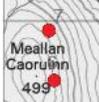
View flat at a comfortable arm's length

Wireline view illustrating Lochluichart Extension II wind farm layout.

Viewpoint Data:-

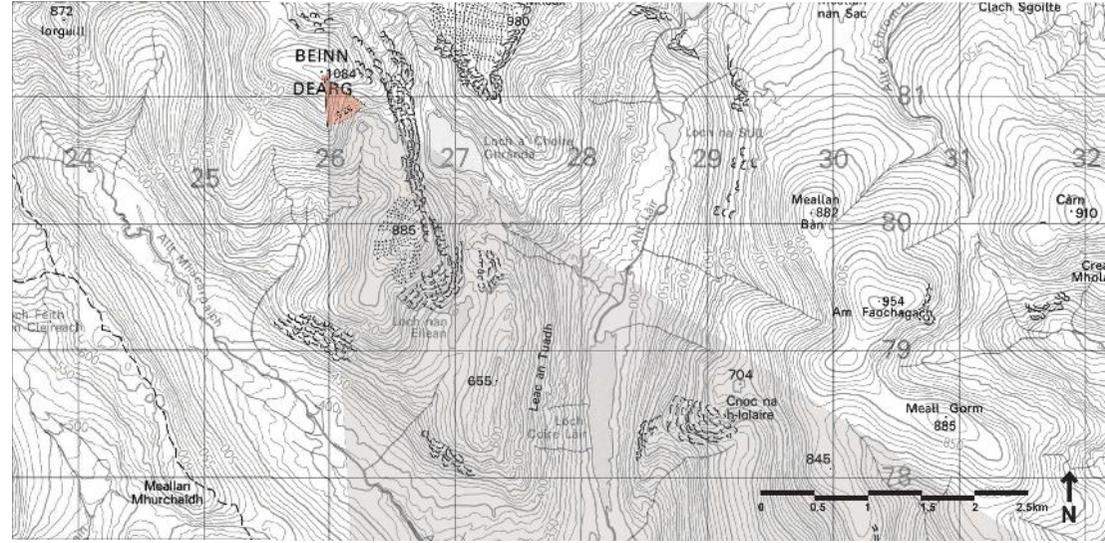
- OS Reference: - 225962 E 881147 N
- Eye level: - c 1081.67 m AOD
- Direction of view: - 150 degrees
- Nearest turbine: - 13.281 km
- Horizontal field of view: - 53.5 degrees
- Principal distance: - 812.5 mm
- Paper size: - 841 x 594 mm (A1)
- Correct printed image sizes: - 820 x 260 mm
- Camera height: - 1.5 m AGL
- Turbine height (to tip): - 133m

Legend:-

-  Viewpoint location
-  Proposed layout

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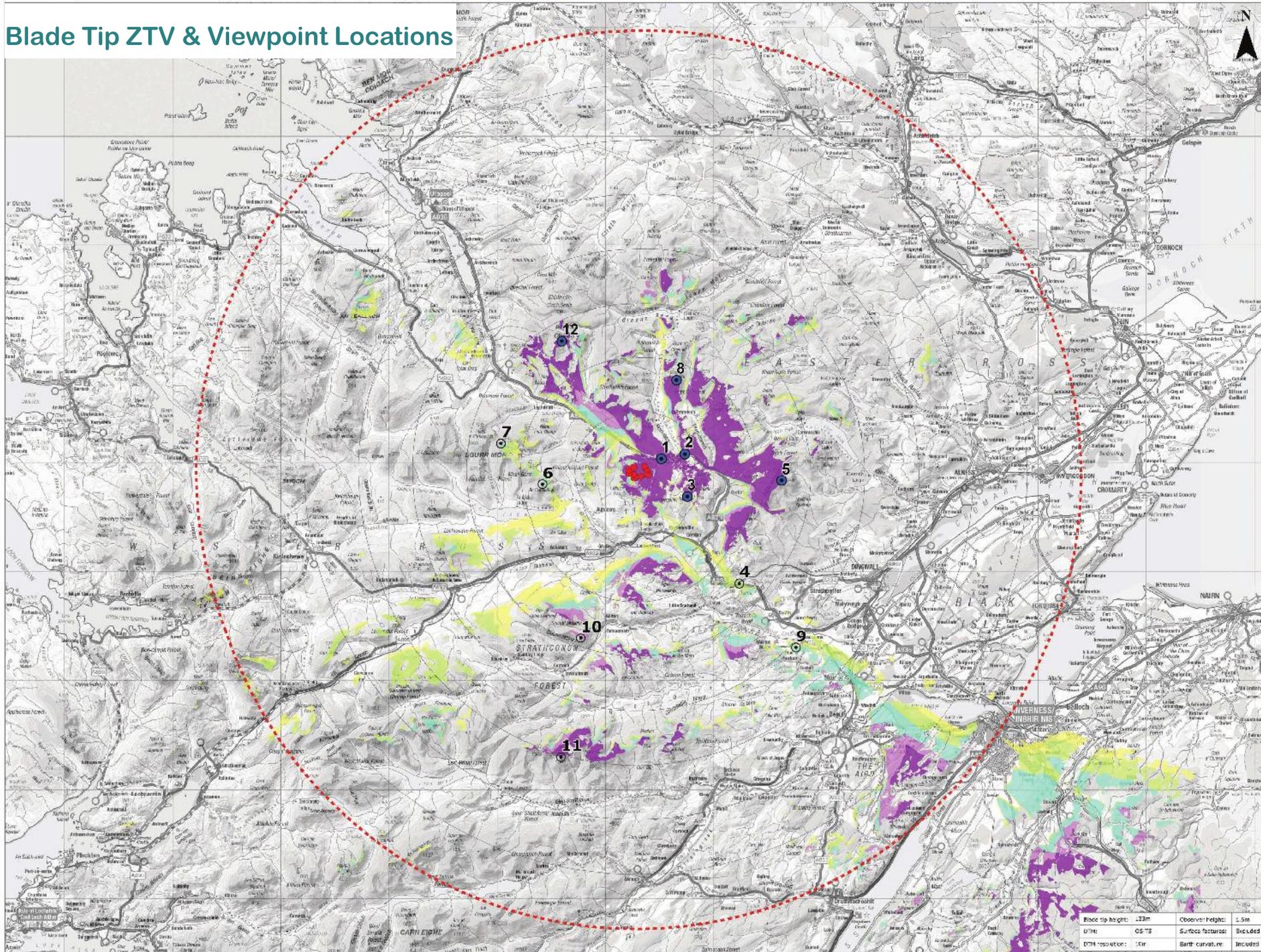
Viewpoint location plan



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Blade Tip ZTV & Viewpoint Locations



Legend:

- Proposed Turbines
- 5km Radii
- ⋯ 40km Study Area

Blade Tip ZTV

No. of Blade Tips Visible

- 0
- 1 - 2
- 3 - 4
- 5 - 6
- 7 - 8
- 9

● Exhibition Viewpoints

1. A835, Aultgush Inn
2. A835, Black Bridge Road
3. Old Drovers Route, Corriemollie
5. Summit of Ben Wyvis
8. Beinn a Chaisteil (Summit of Meall a Ghrianain)
12. Summit of Beinn Dearg

○ Other LVIA Viewpoints

4. Garve Bridge
6. Summit of An Colleachan
7. Summit of Sgurr Mòr
9. Avenue of Fairburn Estate
10. Peak of Creag Byaad near Milton
11. Sgurr a Choire Ghlais

Title:
Blade Tip ZTV & Viewpoint Locations

Lochluichart Wind Farm Extension II

Source:
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Client: Infinergy

Drawn by: TD	Checked: JW
Date: 28/09/2017	Figure: 4.12
Scale: 1:25,000	Revision No: 0

INFINERGY

Blade tip height: 133m
DTM: OS 75
DTM resolution: 1m

Observer Height: 1.5m
Surface features: Included
Barb curvat.re: Included