Uisenis Wind Farm

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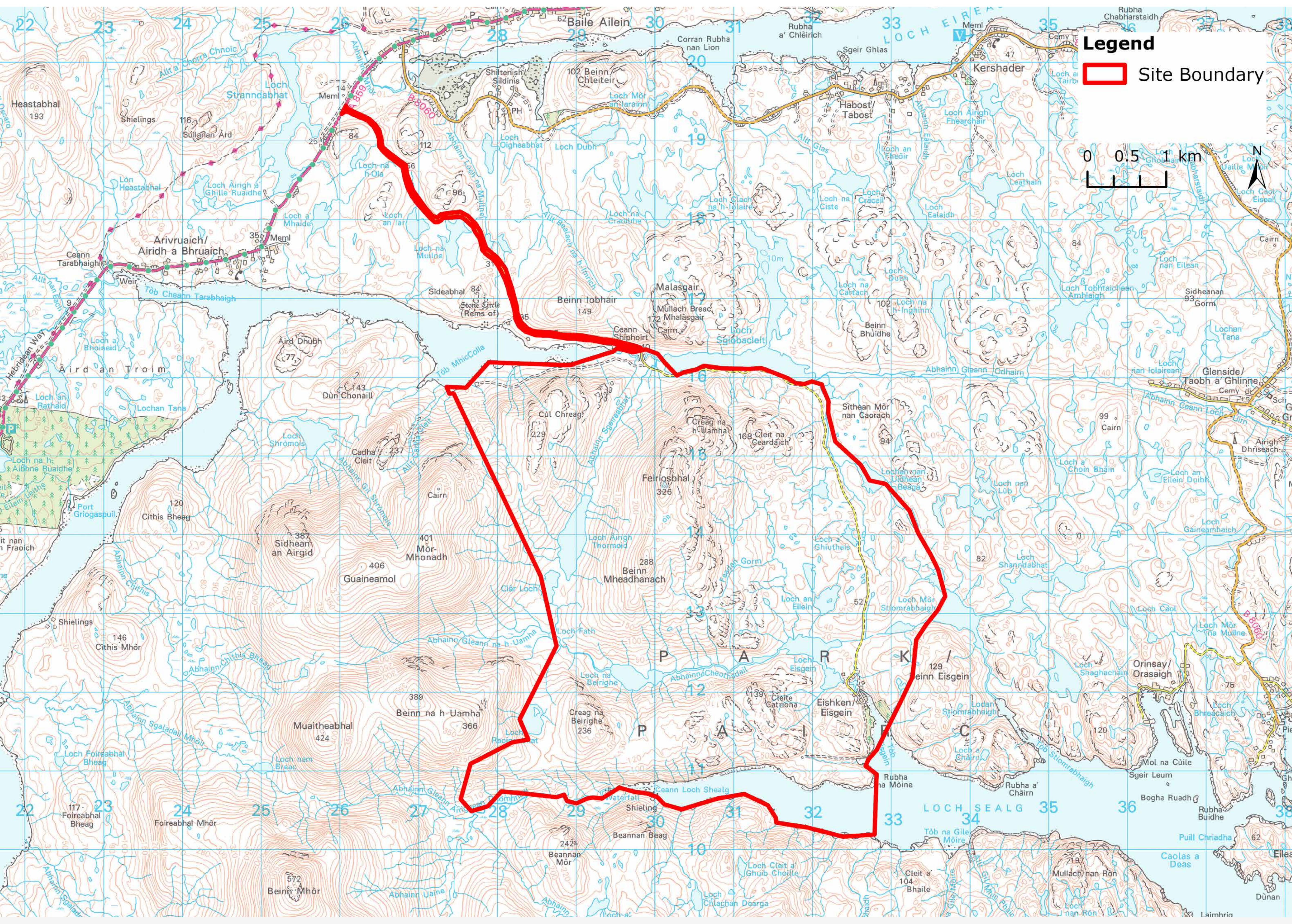
Welcome

Uisenis Power Limited is delighted to welcome you to this community consultation event for the proposed Uisenis Wind Farm on the Eisgein (Eishken) Estate. Uisenis Wind Farm is a redesign of the consented Muaitheabhal Wind Farm. Turbine technology has moved on since the original consent and to ensure the option of utilising the latest onshore wind turbines on the market in 2030 when the grid is delivered to the Island, Uisenis Power Limited is redesigning the consented scheme with a smaller number of larger turbines.



About Uisenis Power Limited

Uisenis Power Limited is a wholly owned subsidiary of Eurowind Energy A/S. We have a long-term commitment to bring forward our onshore wind farm portfolio in Scotland. We hope that by doing so, we can make a positive contribution towards Government climate change targets, support Scotland on its journey to Net Zero, and deliver long-term economic opportunities and societal benefits for the areas in which we operate.

Feedback, Comments and Questions

We encourage you to view the materials on display and speak to the project team. Please ask questions and raise any concerns you may have. Following your discussions with the project team, if you have any further questions or feedback, please complete one of the provided feedback forms.

https://eurowindenergy.com/uk/our-projects/uisenis-wind-farm

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Tuath-ghaoithe Uisenis

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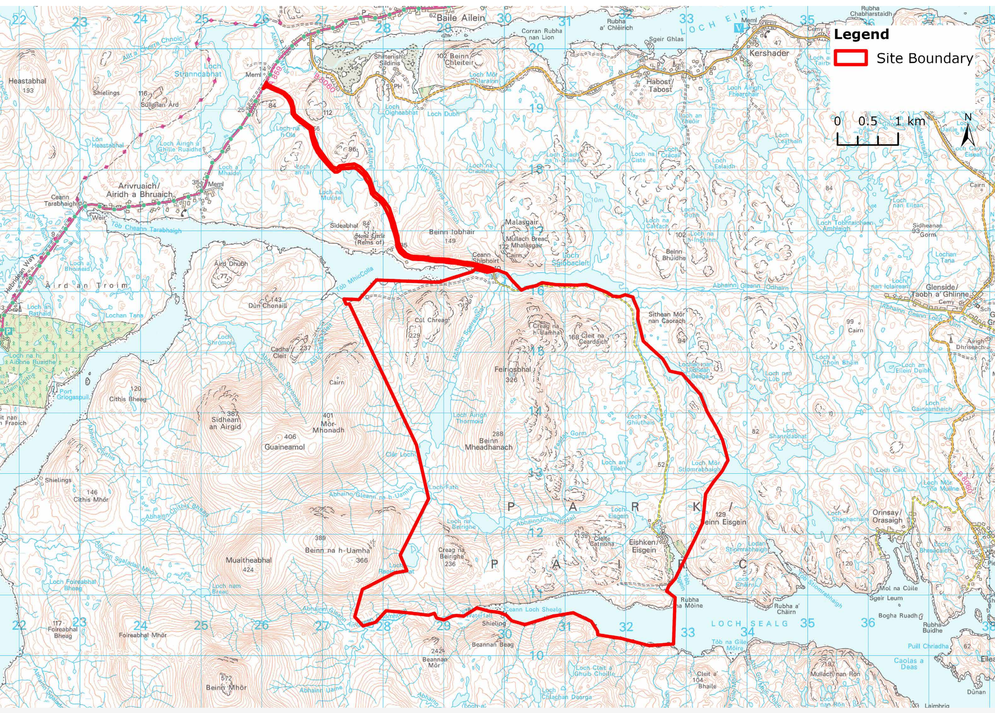
Fàilte

Tha Uisenis Power Limited air ar dòigh fàilte a chur oirbh gu tachartas co-choimhearlachadh coimhearsnachd seo airson Tuath-Ghaoithe Uisenis a tha am beachd air Oighreachd Eisgein, mu 20km gu iar-dheas Steòrnabhaigh. 'S e ath-dhealbhachadh de Thuath-Ghaoithe Mhuaitheabhail, a fhuair aonta, a th' ann an Tuath-Ghaoithe Uisenis. Tha leasachaidhean air tighinn air teicneòlas turbain-gaoithe bhon a fhuaireas aonta an toiseach, agus airson dèanamh cinnteach gun gabh buannachd fhaighinn bho na turbainean-gaoithe air-tìr as ùire a bhios air a' mhargaid ann am 2030 nuair a thèid an griod a thoirt chun an eilein, tha Uisenis Power Limited ag ath-leasachadh an sgeama aontaichte le àireamh nas lugha de thurbainean nas motha.



Mu dheidhinn Uisenis Power Limited

'S e fo-chuideachd, a tha gu tur fo shealbh Eurowind Energy A/S, a th' ann an Uisenis Power Limited. Tha dealas fad-ùine againn cùram-roinne tuathan-gaoithe air-tìr againn ann an Alba adhartachadh. Le sin, tha sinn an dòchas gun tèid againn ri cur ann an dòigh dheimhinneach ri amasan an Riaghaltais a thaobh targaidean atharrachadh na gnàth-shìde, taic a chumail ri Alba na slighe gu ruige neodrach carboin, agus cothroman eaconomach san ùine fhada a lìbhrigeadh cho math ri buannachdan aig ìre coimhearsnachd airson nan sgìrean anns a bheil sinn an sàs.

Fios-air-ais, beachdan agus ceistean

Tha sinn gur brosnachadh gus sùil a thoirt air na stuthan a tha gan taisbeanadh agus bruidhinn ris an sgioba pròiseict. Faighnichibh ceistean agus togaibh draghan sam bith a dh'fhaodadh a bhith agaibh. Ma tha ceistean no beachdan sam bith eile agaibh an dèidh dhuibh bruidhinn ris an sgioba pròiseict, nach biodh sibh cho math foirm fios-air-ais a lìonadh a bios gan toirt seachad.

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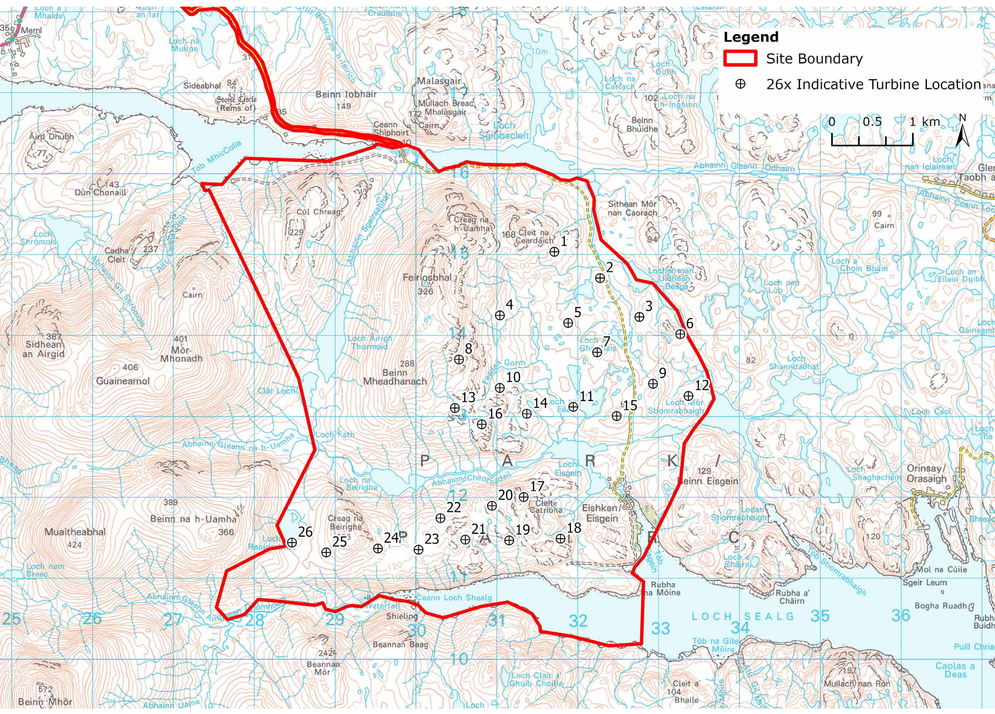
About the Proposal
Mu dheidhinn a' mholaidh

The proposed Uisenis Wind Farm represents a re-design of the consented 45 turbines of the Muaitheabhal Wind Farm. The re-design is still at a relatively early stage with site surveys and consultation ongoing. The survey results and consultation feedback will continue to inform the evolving wind farm design layout.

As a result of the iterative design undertaken by the project team, taking account of known constraints, an updated draft layout has been produced in September 2022, which is presented here today.



Number of Turbines: up to **26 wind turbines** proposed	Turbine Tip Height: up to **215 metres**	Installed Capacity: approximately **189 MW**	Energy Generation: Equivalent of approximately **105,000 homes per year***	Lifespan of Wind Farm: up to **40 years**

The draft layout presented has considered information gathered to date and a range of technical and environmental considerations, including:

- Watercourses and waterbodies;
- Ground conditions including avoidance of known deep peat deposits;
- Available wind resource;
- Presence of protected species;
- Proximity to residential properties;
- Archaeological features within the wind farm site and wider area;
- Visual envelope;
- Site access; and
- Landscape sensitivities, including proximity to National Scenic Areas and Wild Land Areas located to the south and west of the site.

*Based on DECC and Digest of UK Energy Statistics (DUKES) figures, which assume average UK household electrical consumption of 3,910 KWh and UK average onshore load factor of 27%, using 26 turbines with an overall capacity of 189 MW.

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Electrical Export / Grid Connection
Às-mhalairt dealain / ceangal ris a’ ghriod

There are two possible scenarios for the export of electricity from Uisenis Wind Farm:

A Traditional Grid Connection:
A cabling route (not yet determined) would run from the onsite substation to a connection point, yet to be established. A new planning application, separate from the wind farm application, would be required / submitted when grid proposals and requirements are more advanced.

A ‘Power to X’ (Hydrogen Or Equivalent) Solution:
In the event that a grid connection is not forthcoming, alternative ‘Power to X’ solutions are being investigated for electrolysis and export of hydrogen (or equivalent). The electricity from the wind farm would power an electrolyser to produce green hydrogen (or equivalent) which could be exported or converted (e.g., to ammonia) and exported for use as transportation fuel, in fertilizer manufacturing, or in chemical production.

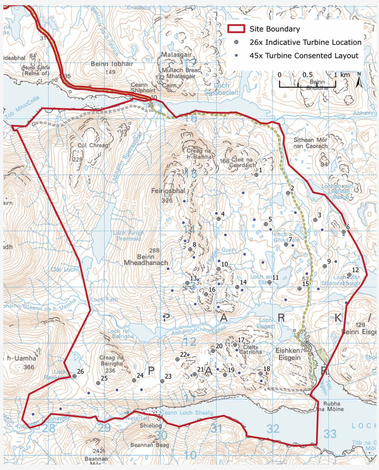
Both scenarios would be subject to separate planning applications that Eurowind would prepare with further consultation undertaken during the preparation and design of those applications.

Project History
Eachdraidh pròiseict

The site has an existing consent (under Section 36 of the Electricity Act 1989) for the development of the Muaitheabhal Wind Farm comprising 45 turbines with varying tip heights up to 150 m. To ensure the option of using the latest turbine technology when the grid is delivered, the turbine layout needs to evolve to be a fewer number of larger turbines, currently 26 turbines up to 215 m to tip.

Environmental surveys and consultation are ongoing. The design will respond to the environmental data gathered, as well as consultation/feedback received from consultees, local residents, and members of the public.

A comparison of the current layout and consented Muaitheabhal Wind Farm is shown here.



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Environmental Impact Assessment (EIA)
Measadh Buaidh air an Àrainneachd (EIA)

The necessary planning application for the Uisenis Wind Farm will require a full Environmental Impact Assessment (EIA). The EIA will assess the environmental effects associated with the development proposal for Uisenis Wind Farm and present them within an EIA Report. An EIA is currently being prepared by a team of independent consultants, experienced in wind farm developments, who are gathering environmental information to undertake an impartial EIA of the proposed wind farm.

As part of this EIA process, consultation, advice, and guidance is sought from a range of stakeholders including Comhairle Nan Eilean Siar, NatureScot, Scottish Environment Protection Agency, and Historic Environment Scotland, amongst others.

The EIA will assess and consider the potential effects of a full range of technical and environmental sensitivities, including:

- Landscape and Visual Amenity;
- Ecology and Ornithology;
- Hydrology, Geology and Peat;
- Noise;
- Traffic and Transportation;
- Archaeology and Cultural Heritage;
- Land-Use and Socio-Economics, Tourism; and
- Climate Change and Carbon Balance.

The EIA will be informed by the environmental surveys to gain an understanding of the current conditions onsite. This data is then used to inform the design of Uisenis Wind Farm and minimise or manage adverse effects associated with the construction, operation and decommissioning of the wind farm. EIA is a critical tool to ensure a large-scale wind farm is designed sensitively.

The EIA Report will form part of the application to the Scottish Government for consent, that is intended to be lodged in 2023, and will inform the decision making process.

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Environmental Impact Assessment
Measadh Buaidh air an Àrainneachd

Landscape and Visual Amenity

Experienced landscape consultants have been tasked with helping us create a carefully designed wind farm. An objective approach, which follows recognised guidance methods, is being used to minimise any potential effects on the surrounding landscape and visual resource, and on the people who experience these views.

A comprehensive landscape and visual assessment will be prepared, which will include visualisations from agreed viewpoints around the wind farm site. These visualisations will help shape and inform the ongoing design of the turbine layout. A selection of visualisations from representative viewpoints are on display today.

Traffic and Transportation

We are very aware of the need to minimise the impact of construction traffic on local residents and will pay careful attention to minimising disruption on local roads. Delivery of turbine components will likely be via the port at Arnish, then transported along the A859 with some components potentially being delivered direct to site by sea via a new berthing station. Access to the site from the A859 will be taken from the unclassified Eisgein Road just to the southwest of the A859/B8060 junction.

The transport assessment will focus on the movement of traffic along the public road network to include abnormal loads and construction related traffic.

© Rogan Dugan

Wildlife

Independent experts have been undertaking bird and ecology surveys on and around the wind farm site for a number of years with surveys continuing in 2022. The surveys have been discussed with stakeholders, including Nature Scot and the Council and will inform the final design.

Golden and White Tailed Eagles are present within the area, and the project team are working closely to ensure the emerging design minimises any effects on all bird species, including eagles. The EIA Report will include full details of these surveys. Our aim is to promote and deliver improvements for wildlife and achieve a biodiversity gain through habitat management.

Water Environment and Peat

Previous surveys have been undertaken across and around the site to establish where sensitive water features are located including private water supplies and areas of deep peat. These surveys are being supplemented by further survey work that will inform the refinement of the current draft layout in order to reduce potential impacts to the water environment and ground conditions in and around the site.

The EIA Report will consider the potential for impacts to water quality and the peat resource, and ensure appropriate mitigation is in place to protect these assets.

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Environmental Impact Assessment
Measadh Buaidh air an Àrainneachd

Archaeology and Heritage

An assessment will be undertaken to consider the potential for direct effects arising from construction activities on archaeological features within the wind farm site boundary, as well as consideration of indirect effects upon the setting of heritage features in the surrounding area. Where possible, known archaeological features will be avoided.

The assessment will be undertaken in consultation with Western Isles Archaeology Service and Historic Environment Scotland (HES), with the findings presented in the EIA Report.

Noise

As with the applications for the consented scheme, a noise assessment will be required to accompany the planning application as part of the EIA Report.

Previous noise surveys will inform an assessment of both noise arising from construction of the wind farm, and noise potentially generated by the turbines once they are operational. The assessment will be undertaken in consultation with the Environmental Health Department of Comhairle Nan Eilean Siar and utilise noise modelling software to predict and mitigate noise levels from the wind farm.

Aviation

As with all wind farm developments, consideration will be given to the potential for wind turbines to impact on aviation activities either as large physical structures or through electromagnetic effects.

As part of this assessment, consultation is being undertaken with Highlands and Islands Airports Limited (HIAL), National Air Traffic Service (NATS) and the Ministry of Defence (MoD).

Other Considerations

In addition to the topics summarised here today, the EIA Report will also give consideration to:

- Socio Economic effects
- Tourism and Recreation
- Telecommunications
- Shadow Flicker
- Air Quality
- Climate and Greenhouse gases
- Management of construction waste.

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Community Engagement and Support
Com-pàirteachadh agus taic coimhearsnachd

Eurowind Energy is committed to making a positive impact on the local communities in which our projects are situated. We are keen to engage with local initiatives and communities to ensure local needs are met and support new and existing community projects. Should consent be awarded, we would seek to implement a number of measures to ensure that local people, communities, and businesses are able to benefit from the project.

Community Benefit
Buannachdan dhan choimhearsnachd

We are committed to ensuring the wind farm offers benefits to the local community and islands and are currently investigating several options including local procurement of services, a benefit fund, revenue share, community ownership, and apprenticeships. We would welcome any ideas or feedback you may have on this.

Supply Chain Opportunities
Cothroman sèine-sholair

We are eager to ensure that the Uisenis Wind Farm delivers a wide variety of benefits. We will identify opportunities to involve local businesses in the wind farm's construction and operation. This may involve: working with business groups and organisations to engage local suppliers; establishing a supplier database; and holding supplier open days.

We are eager to hear from local businesses that want to be involved in the project, so if interested, please fill in the supplier form provided.

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Proposed Timeline and Next Steps
Loidhne-tìde a thathar a' moladh agus na h-ath cheumannan

1. **Site Selection / History**
The site has consent for Muiatheabhal Wind Farm and was acquired by Eurowind Energy in 2021. Turbine technology has moved on since the original consent and to ensure the option of utilising the latest onshore wind turbines, Uisenis Power Limited is redesigning the consented scheme.

2. **Pre-Planning** (2021-2023)
The proposed Development represents a re-design of the consented Muiatheabhal Wind Farm for a fewer number of larger turbines with pre-planning environmental surveys and consultation ongoing to inform the final design and layout.

3. **Submit Planning Application & Await Decision** (2023-2024)
The final layout and application will be submitted to the Scottish Government in spring/summer 2023, accompanied by an EIA Report which presents the results of all studies undertaken. Copies of this document will be available for public viewing.

The Scottish Government will review the application, considering the views of stakeholders including Comhairle Nan Eilean Siar, which will inform its decision on the application.

4. **Grid / Electricity Export** (Estimated 2027-2030)
There are two scenarios for the export of electricity from the wind farm: a traditional grid connection or a 'Power to X' (hydrogen or equivalent) solution. Both would be subject to separate applications.

5. **Construction** (Estimated 2027-2030)
If approved, construction is likely to begin two to three years before the grid is delivered. Construction planning conditions are used to carefully manage elements of construction.

6. **Operation** (40 years)
Turbines are managed by a maintenance team, and operation is controlled by detailed planning conditions. Any community benefit fund or revenue share would run throughout the wind farm operation.

7. **Decommisioning**
At the end of the operational period, turbines are removed, and the site restored. A parent company guarantee or financial bond will be in place to cover this cost.

Next Steps
Na h-ath cheumannan

- Complete environmental surveys and EIA
- Undertake more community consultation
- We intend to submit the application by spring/summer 2023, and the full suite of application documents will be publicly available at the time.

Feedback & Thank You
Fios-air-ais & taing

Your views are very important to us. Please register your comments and suggestions by handing in your completed feedback form to a member of the team or via email at **uisenis@eurowindenergy.com** If you have any queries, please do not hesitate to come and talk to us.

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