

North Logiealmond Wind Farm

About Muirhall Energy

Muirhall Energy was established in 2009 and is a leading independent developer of renewable energy projects, based in Lanarkshire, Scotland.

To date, Muirhall Energy has constructed over 150 Megawatts (MW) of onshore wind projects across the UK and, in addition, has a development pipeline of more than 3GW of renewable energy projects. We currently operate two offices in the central belt, and one in Hawick as seen below:



Welcome to the North Logiealmond Wind Farm Community Engagement Event

At this event you will have the opportunity to:

- Learn more about Muirhall Energy and what we do;
- Learn about the proposed North Logiealmond Wind Farm;
- Provide feedback on the Proposed Development; and
- Learn about the next steps in the consenting process.

We hope you enjoy your visit, and we encourage you to speak to a member of the Muirhall team if you have any questions.

Your North Logiealmond Development Team



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Senior Project
Manager



Oliver Carstairs
Assistant Project
Manager



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Corporate Affairs
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From Scone Estates



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Your North Logiealmond Environmental Consultants



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Site Location and Background

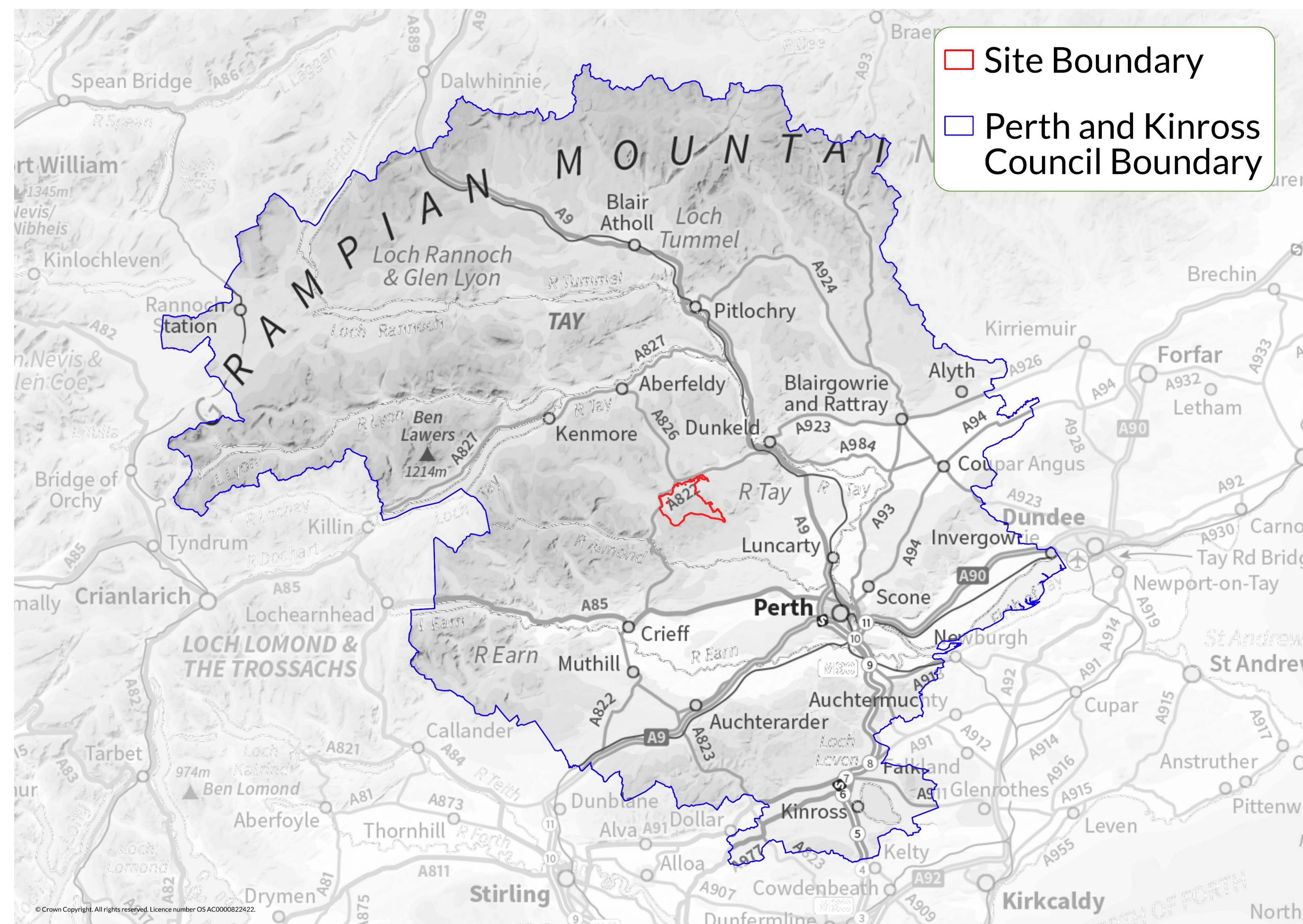
In late 2022, Muirhall Energy participated in a competitive tender exercise for the development of a renewable energy project at North Logiealmond.

Following several meetings with Scone Estates, and in recognition of its work with communities, Muirhall Energy was selected to progress the site.

Since March 2023, environmental surveys have been ongoing on the site. An Environmental Impact Assessment Scoping Report was submitted to the Scottish Government in October 2024 to agree the scope of further surveys and assessments.

A previous planning application by another developer on the site was refused by Perth & Kinross Council in 2008, based on planning policy at that time.

The Proposed Development will take into consideration the concerns raised during the previous application and current planning policy.



The Proposed Development is located on the North Logiealmond Estate in Perthshire, approximately 18km northwest of Perth. The site is in an upland location where elevations exceed 400m above sea level, with rolling terrain and upland watercourses typical of the environment. The site is currently used for rough grazing.



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ENERGY**

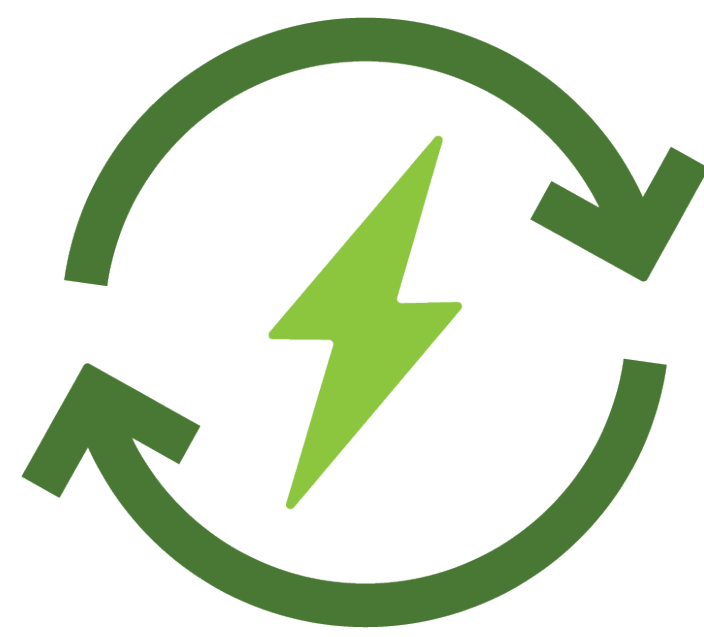
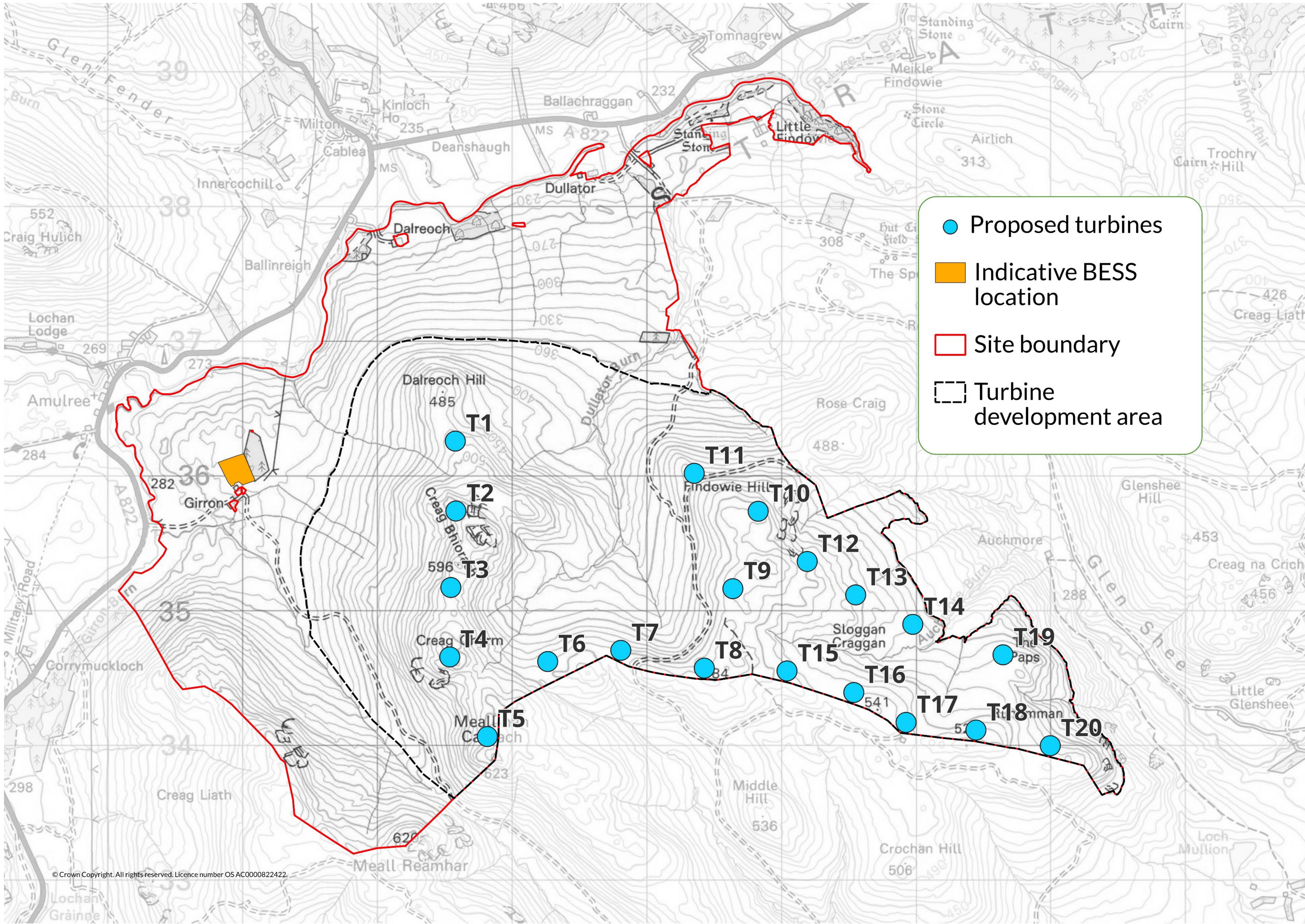
Proposed Development

The Proposed Development is an onshore wind farm consisting of up to 20 turbines, with a maximum tip height of 200m and an indicative capacity of 144MW. The development is likely to consist of the following elements:

- Up to 20 wind turbines;
- Crane and auxiliary hard standings;
- Internal or external transformers at the base of each turbine;
- Site access and access tracks;
- Underground cabling;
- On-site substation and control building;
- Temporary construction compounds;
- Battery Energy Storage System (BESS); and
- Other ancillary infrastructure.

It is anticipated that the lifetime of the development will be up to 50 years.

The potential to provide renewable power by private wire to Perth and the surrounding area is being considered. Investigations are at a preliminary stage, and we will continue to engage with stakeholders to assess the viability of this concept.



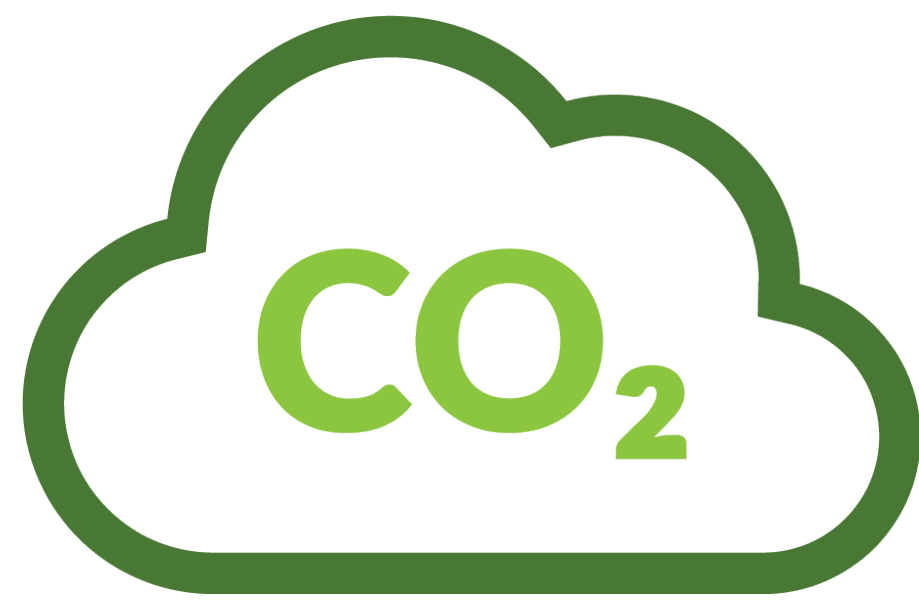
144MW
Generating Capacity



123,067
Homes Powered



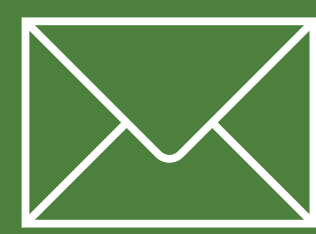
£1m
Community Investment p/a



70,738t
Carbon Saved



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Environmental Considerations

Ornithology

Thick heather on the site provides conditions for ground nesting birds, with the craggy nature of some of the ridge lines providing good foraging habitat for raptors such as Golden Eagles.

Muirhall is committed to using survey results and best practice to sensitively design the site to minimise ornithological impacts.



- Proposed turbines
- Site boundary
- Turbine development area

Hydrology

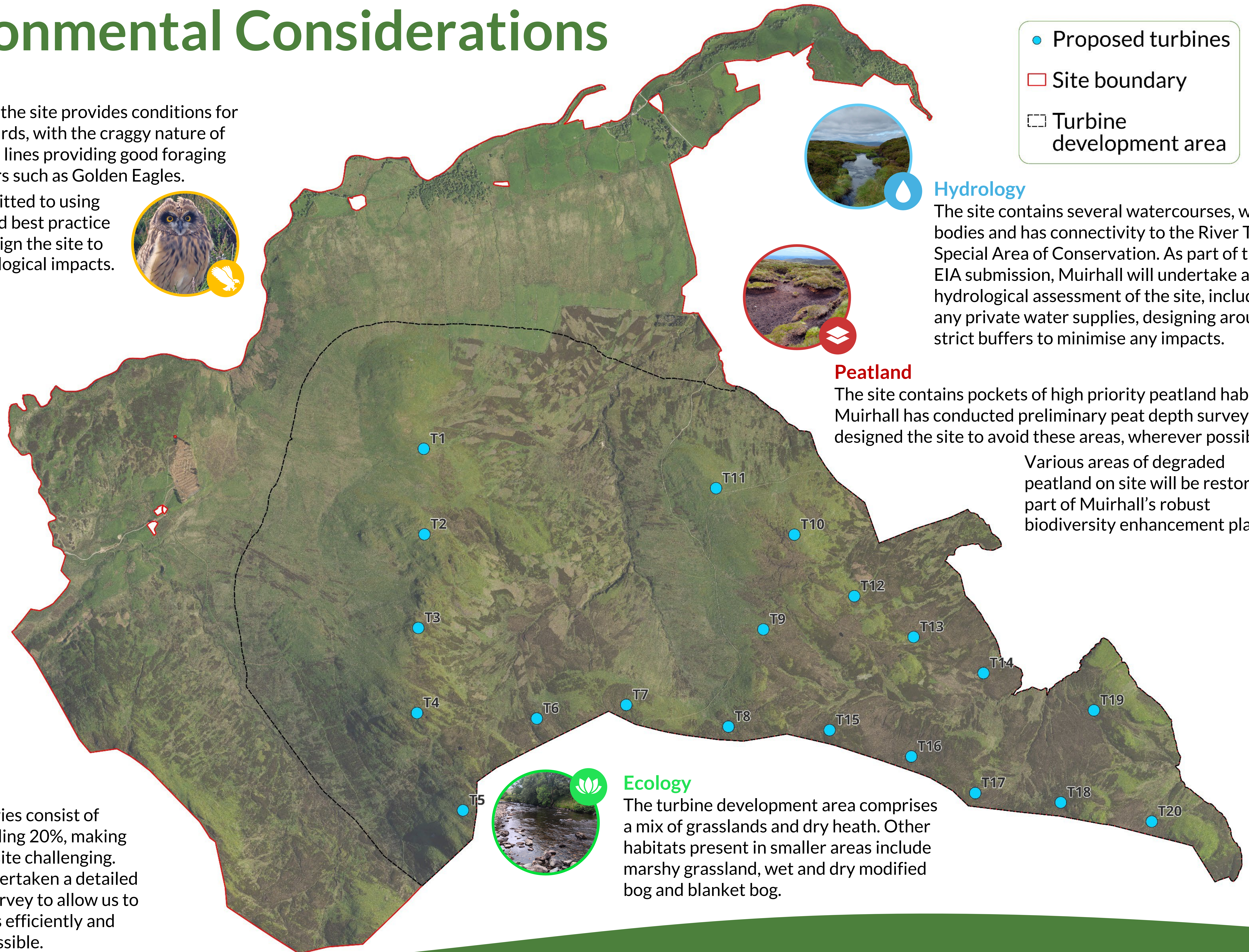
The site contains several watercourses, water bodies and has connectivity to the River Tay Special Area of Conservation. As part of the EIA submission, Muirhall will undertake a full hydrological assessment of the site, including any private water supplies, designing around strict buffers to minimise any impacts.



Peatland

The site contains pockets of high priority peatland habitat. Muirhall has conducted preliminary peat depth surveys and designed the site to avoid these areas, wherever possible.

Various areas of degraded peatland on site will be restored as part of Muirhall's robust biodiversity enhancement plans.



Site Gradients

The site boundaries consist of gradients exceeding 20%, making access onto the site challenging. Muirhall has undertaken a detailed topographical survey to allow us to design the site as efficiently and sensitively as possible.



Ecology

The turbine development area comprises a mix of grasslands and dry heath. Other habitats present in smaller areas include marshy grassland, wet and dry modified bog and blanket bog.



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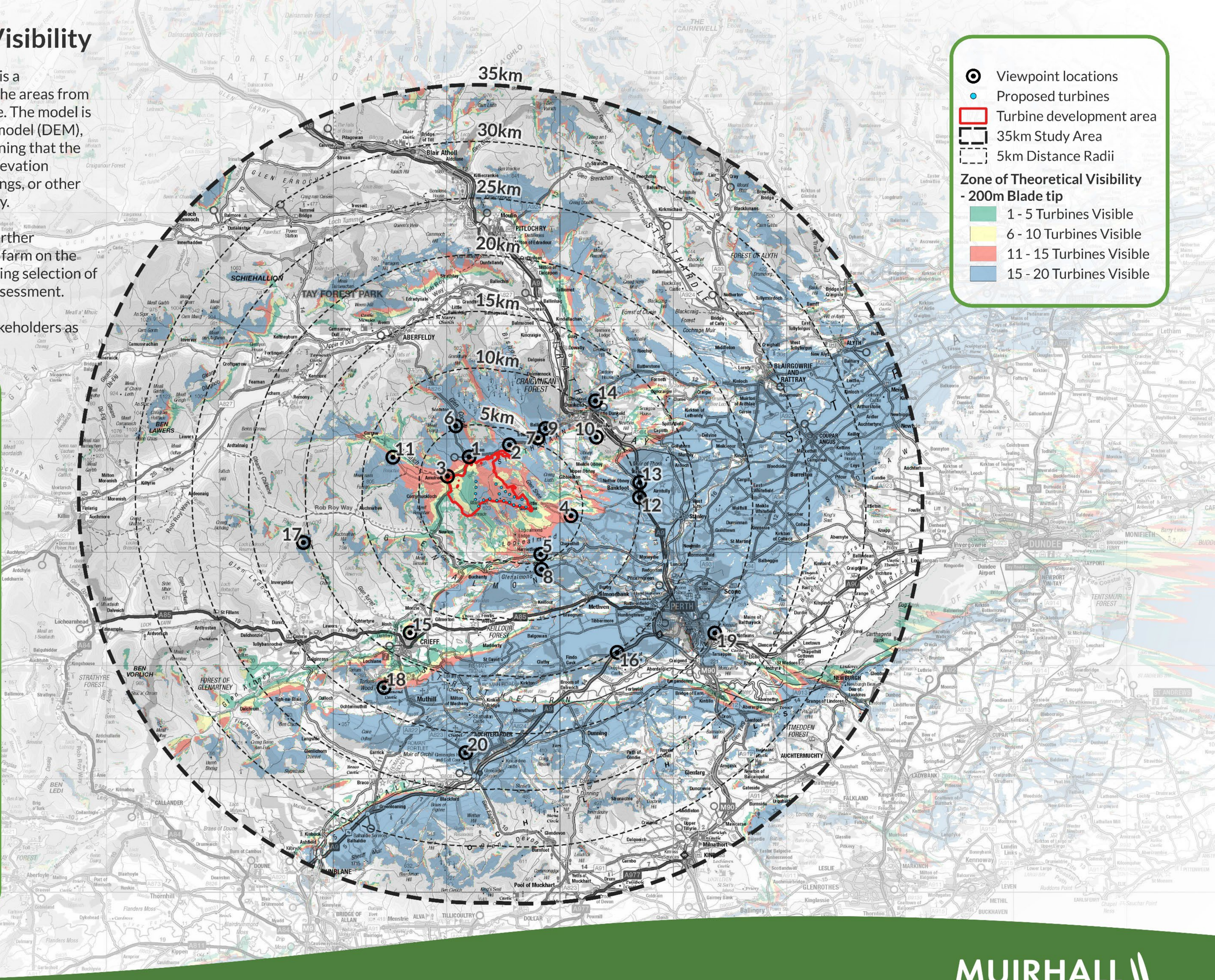
Zone of Theoretical Visibility

A ZTV (Zone of Theoretical Visibility) is a computer-based tool used to predict the areas from which a wind farm is likely to be visible. The model is typically run using a digital elevation model (DEM), assuming a “bare earth scenario”, meaning that the calculation only considers landform elevation without factoring in vegetation, buildings, or other structures that could obstruct visibility.

A ZTV is used as a starting point for further assessment of the impact from a wind farm on the landscape and visual receptors, including selection of Viewpoints (VPs) for more detailed assessment.

All Viewpoints will be agreed with stakeholders as part of the Scoping process.

VP N°	VP Name
1	A822 at Milton
2	A822 at Borelick
3	Amulree
4	Minor road south-east of Glenshee
5	Harrietfield
6	Glen Cochill
7	Trochry
8	Glenalmond College
9	Minor road at Strathbraan
10	King's Seat, Birnam Hill
11	Minor road Glen Quaich
12	Bankfoot
13	A9 near Bankfoot
14	A923 near Dunkeld
15	Knock of Crieff
16	A9 near Perth
17	Ben Chonzie
18	Drummond Castle
19	Kinnoull Hill
20	A823 near Gleneagles



Viewpoint locations

Proposed turbines

Turbine development area

35km Study Area

5km Distance Radii

Zone of Theoretical Visibility
- 200m Blade tip

1 - 5 Turbines Visible

6 - 10 Turbines Visible

11 - 15 Turbines Visible

15 - 20 Turbines Visible

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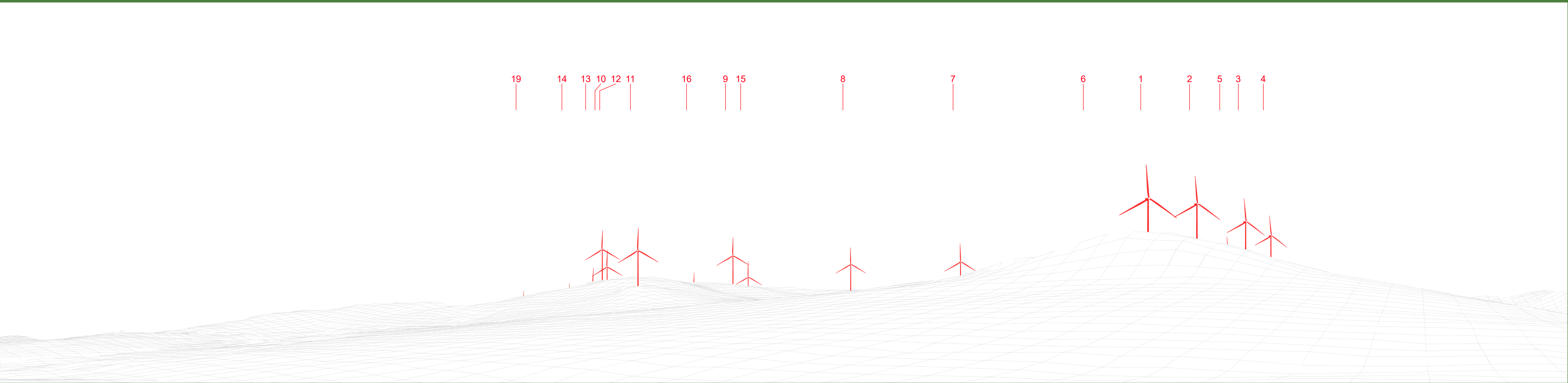
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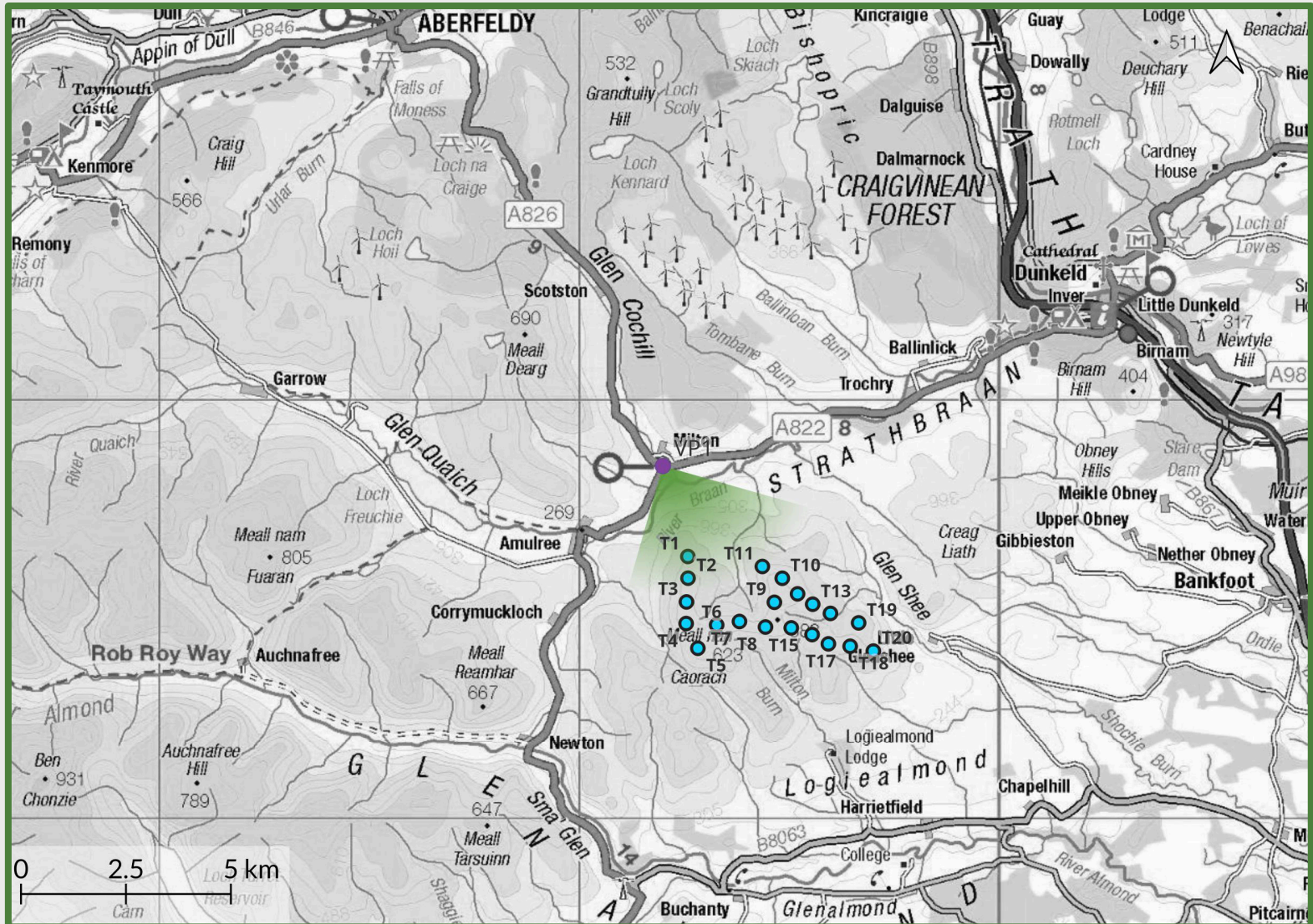
Visualisations

These viewpoint(VP) locations have been selected to provide a representative impact of the wind farm from the wider area. Please ask a member of staff to see wirelines from additional locations.

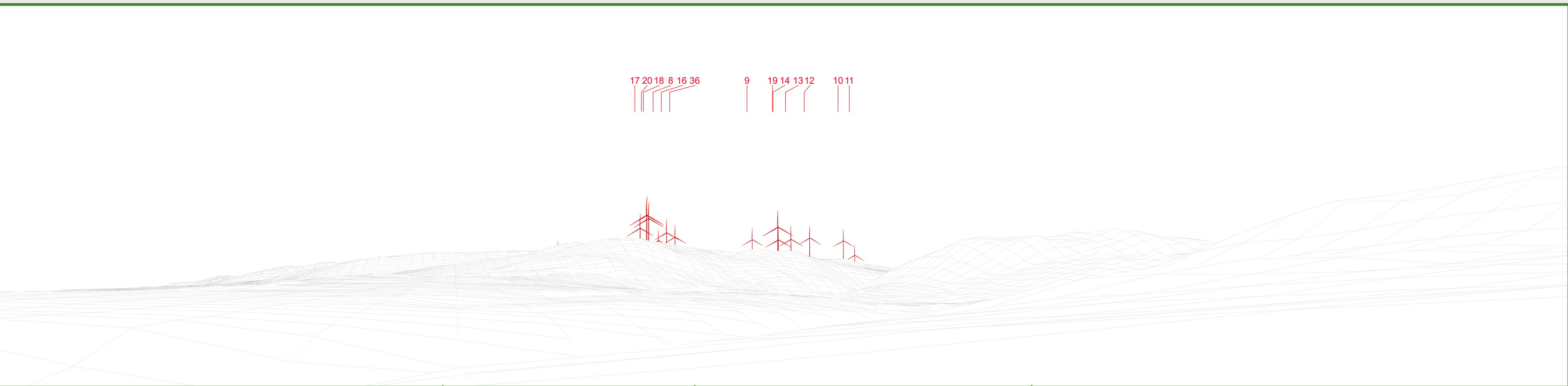
VP 1 - A822 at Milton



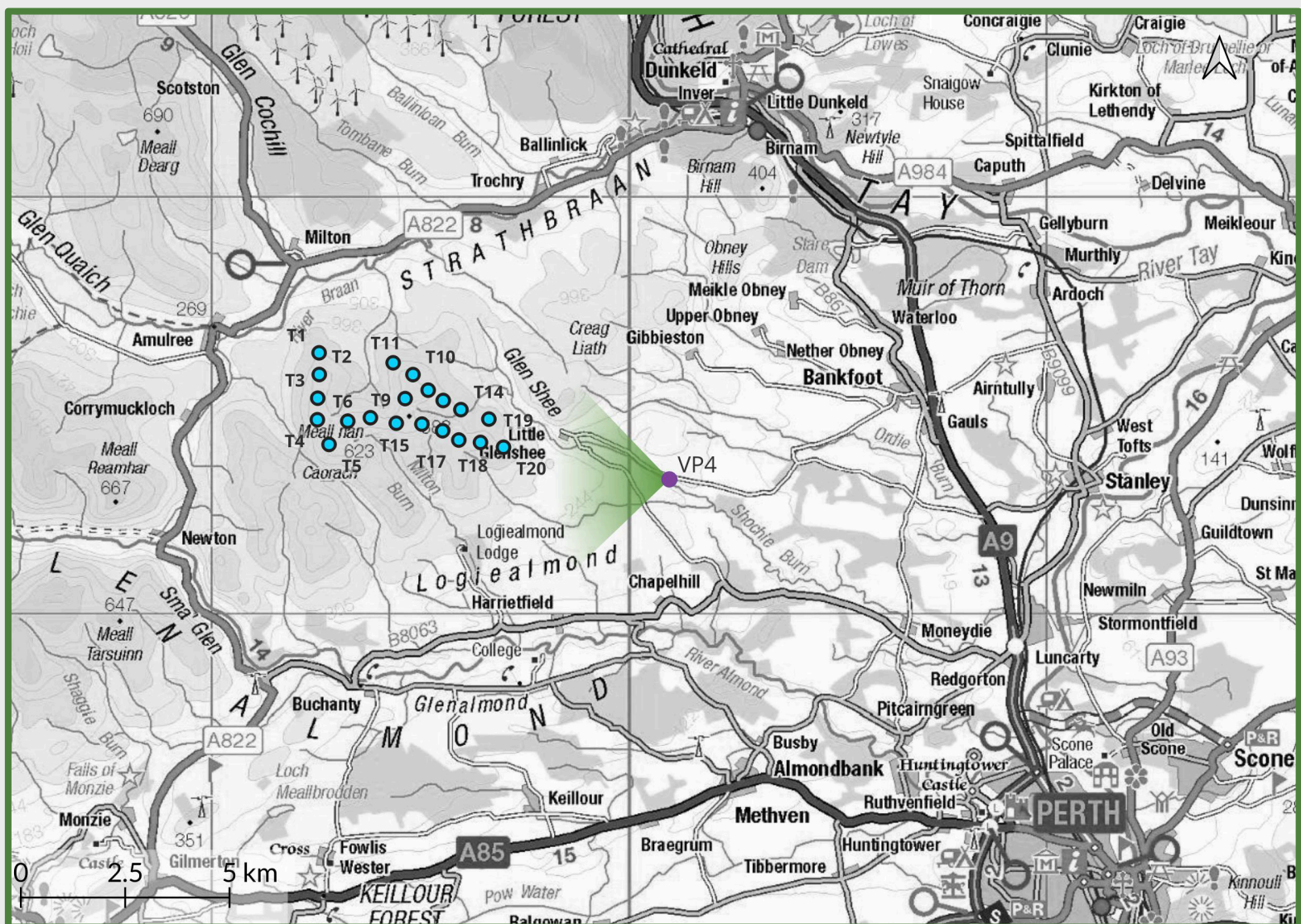
Coordinates: E:291,983 N738,418 | Field of View: 90° | View Direction: 142° | Camera Height: 1.5m



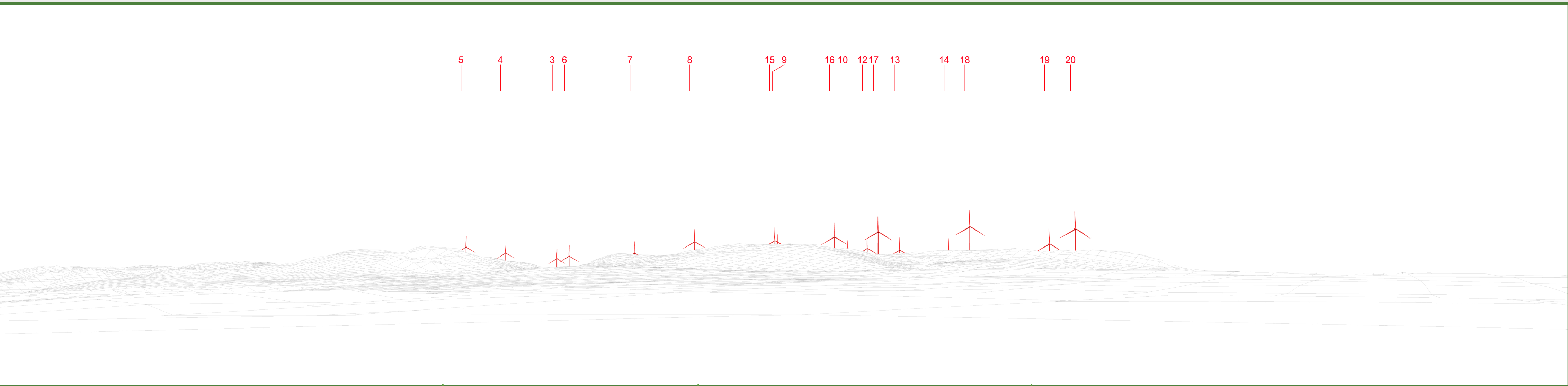
VP 4 - Minor road south-east of Glenshee



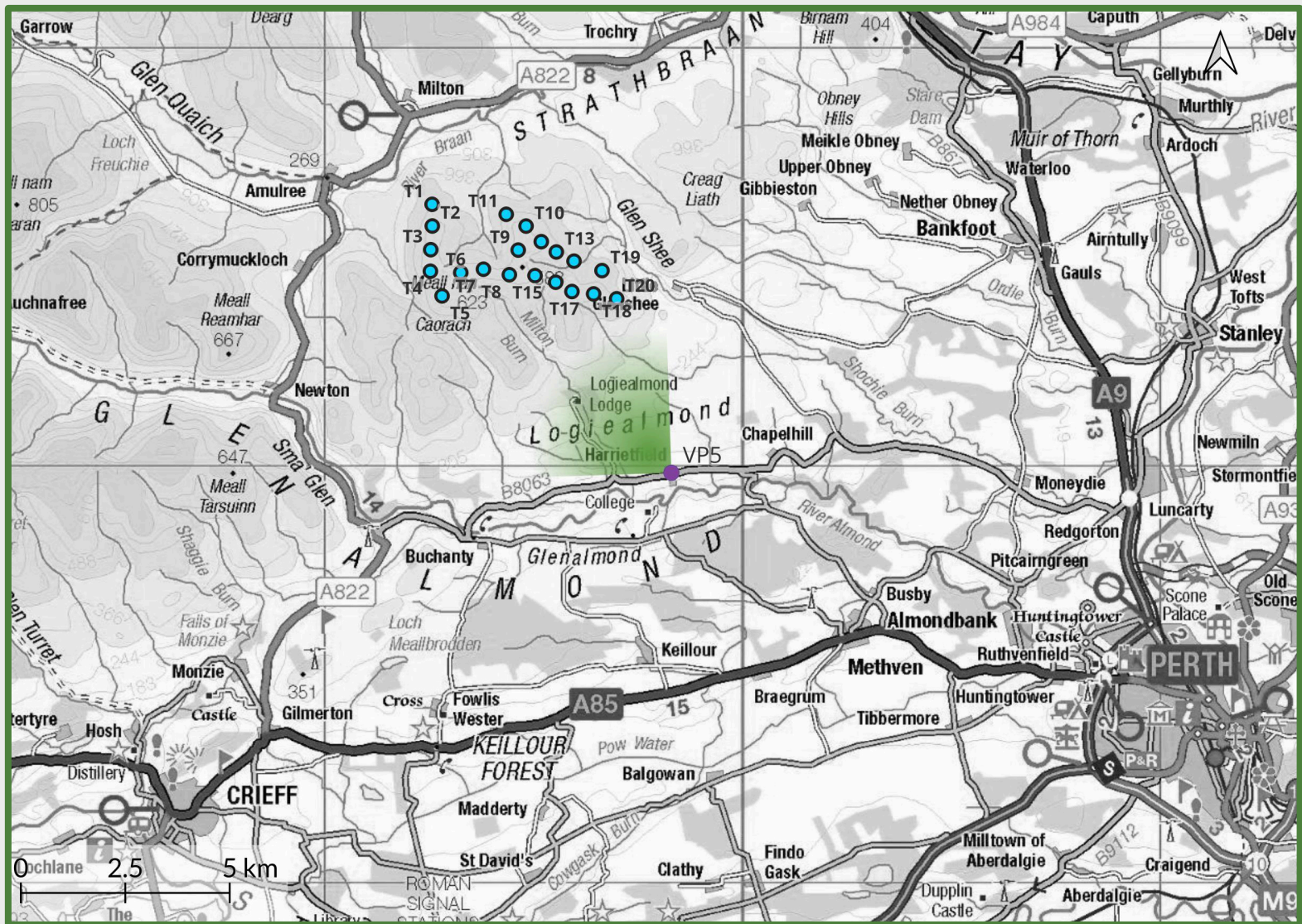
Coordinates: E:300,971 N733,224 | Field of View: 90° | View Direction: 287° | Camera Height: 1.5m



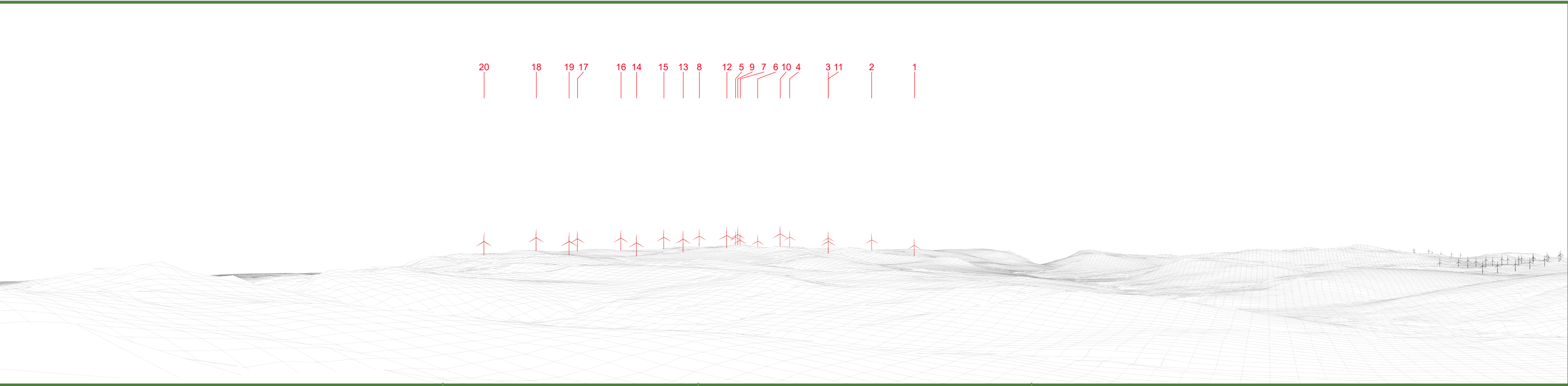
VP 5 - Harrietfield



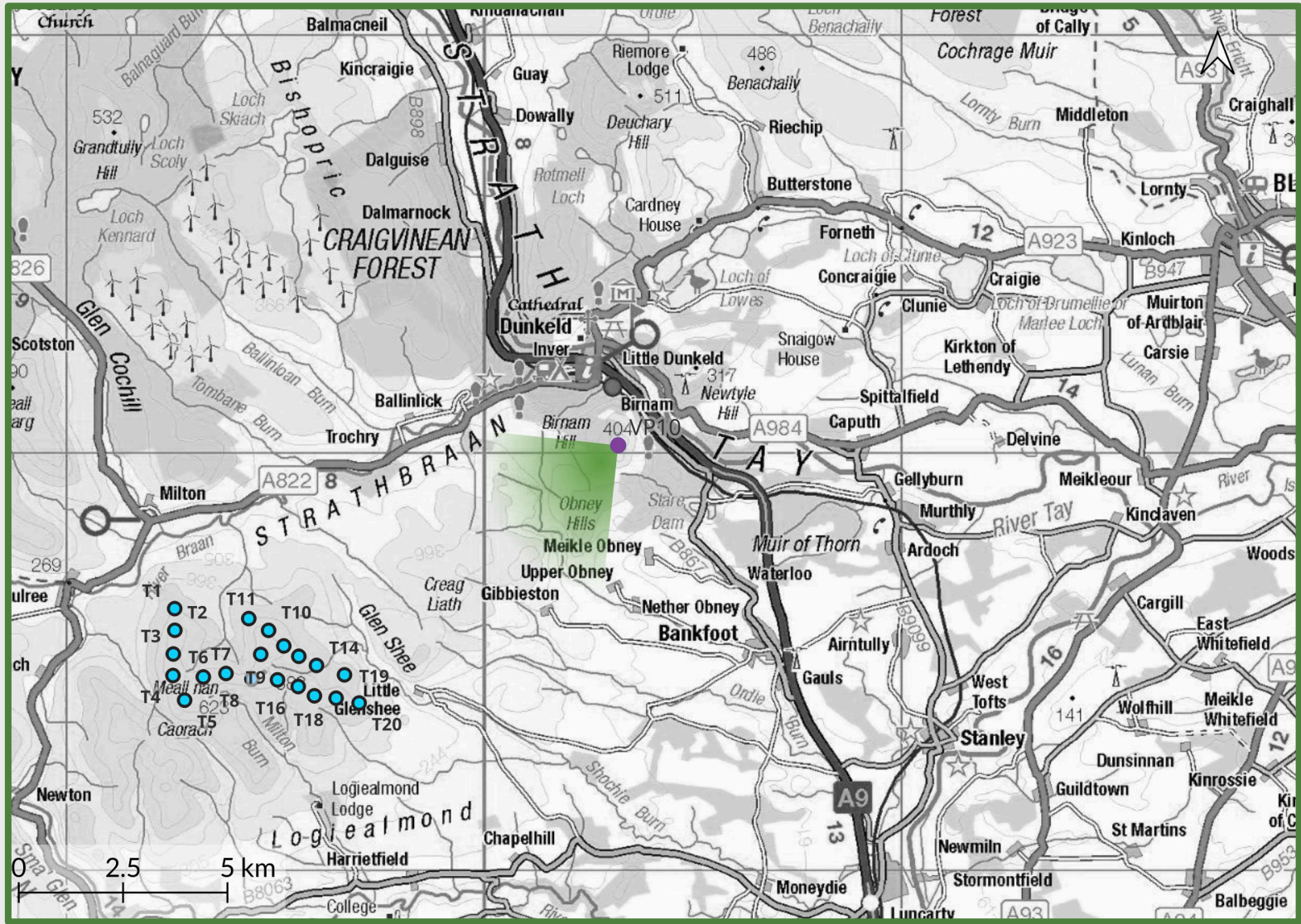
Coordinates: E:298307 N729,826 | Field of View: 90° | View Direction: 324° | Camera Height: 1.5m



VP 10 - King’s seat, Birnam Hill



Coordinates: E:303,203 N740,170 | Field of View: 90° | View Direction: 241° | Camera Height: 1.5m

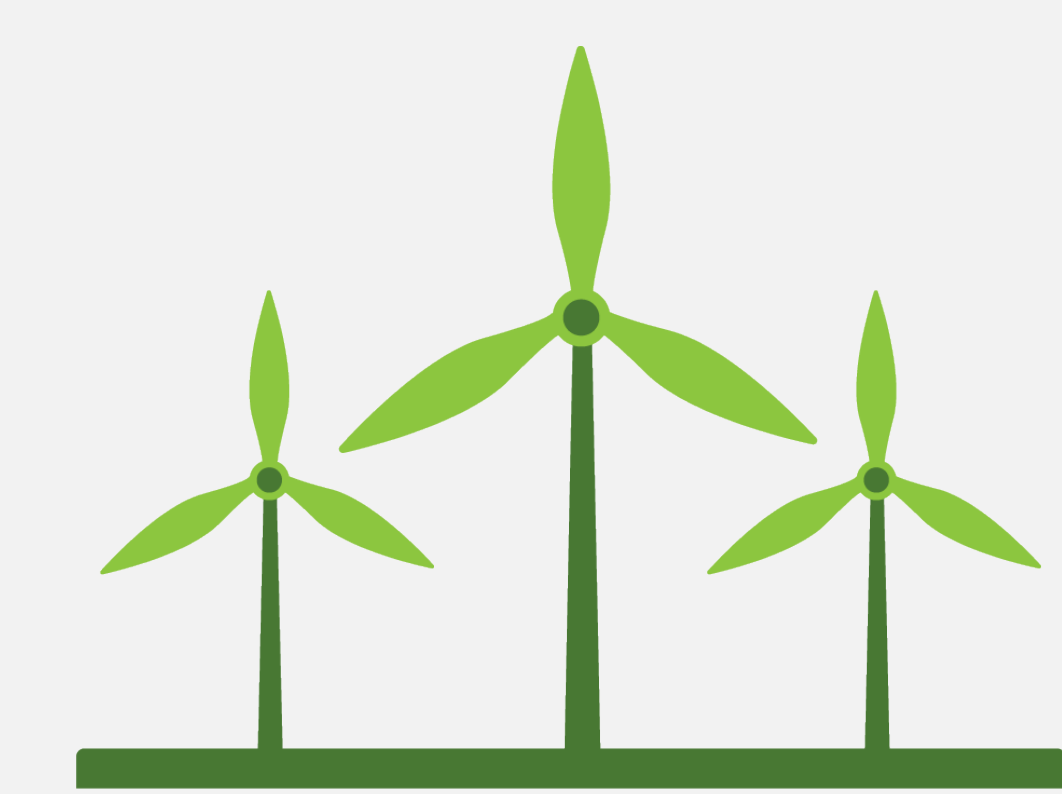


Community Engagement

Muirhall Energy and Scone Estates are committed to ensuring that communities close to the development can realise the opportunities that this wind farm can bring.



Community Investment Fund
Muirhall Energy offers an industry leading community investment fund of **£7,000 per megawatt** of installed capacity, which for the proposed 20 turbine site, would exceed **£1 million per annum**. This would be up to **£50 million over the lifetime** of the wind farm.



Initial Investment Fund
Muirhall Energy’s innovative Initial Investment Fund of approximately **£100,000** will be available to the local community during the construction phase of the wind farm and is in addition to the Community Investment Fund.



Shared Ownership
Muirhall Energy will offer up to **10% shared ownership** in North Logiealmond Wind Farm to local communities. Our shared ownership offer **is in addition to**, not instead of, the Community Investment Fund and the Initial Investment Fund.

In addition to the investment funding and shared ownership opportunities we offer to neighbouring communities, Muirhall Energy is committed to exploring all opportunities to maximise benefits for the local community including:

- Supporting local trades and businesses;
- Preferred local bidder scheme;
- Offering apprenticeships and investing in learning; and
- Hosting ‘Meet the Buyer’ events.

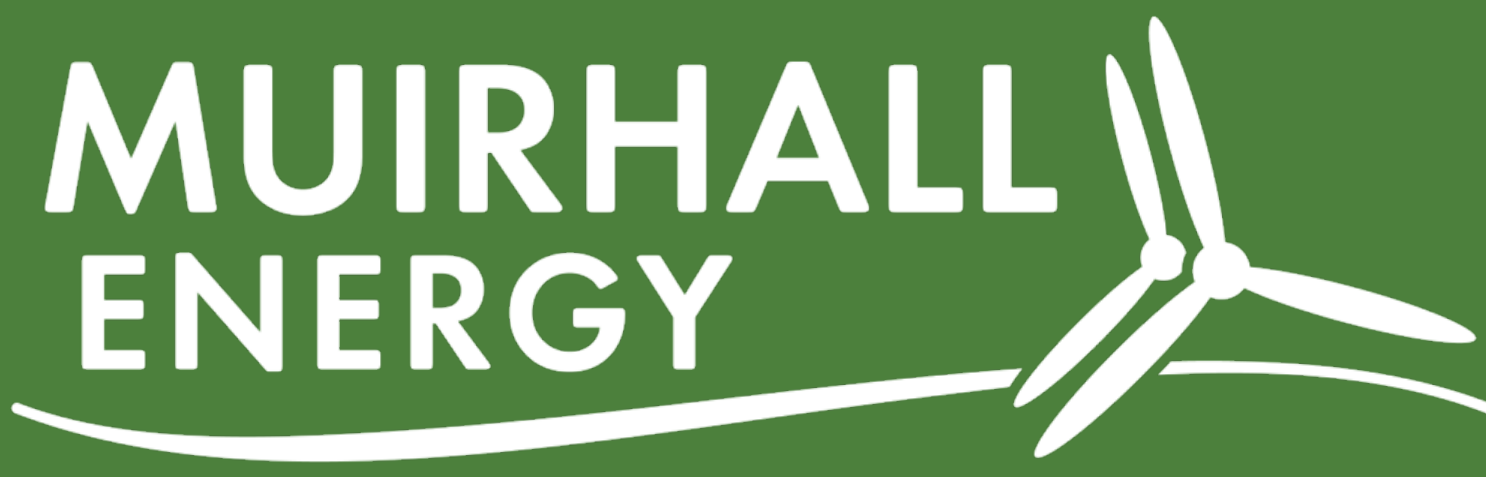
We would like to discuss with members of the community opportunities to further expand the financial benefits of the wind farm to the wider Perth and Kinross area, while still delivering meaningful investment in the closest communities.



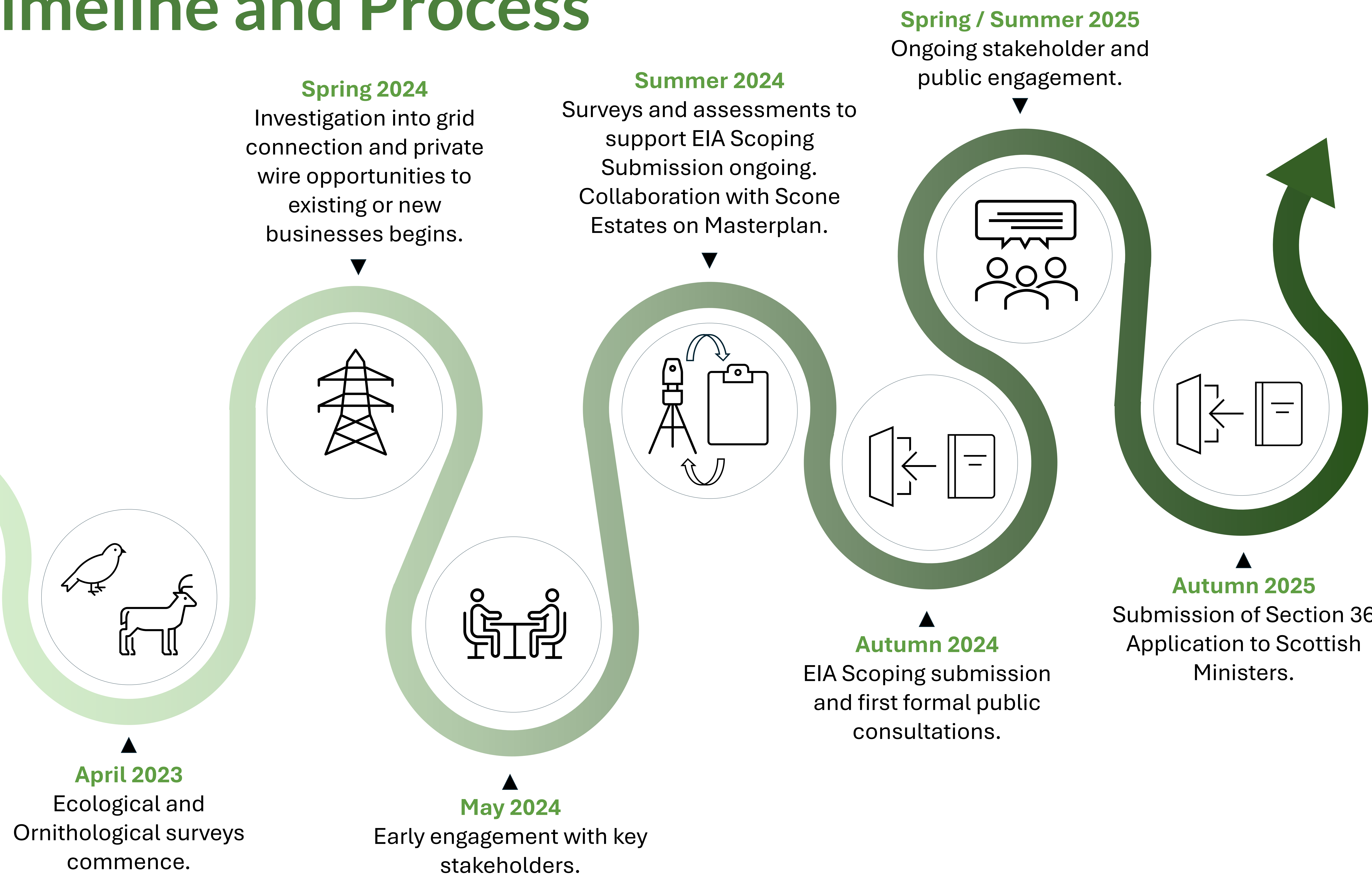
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Timeline and Process



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Masterplan for North Logiealmond

Scone Estates is pioneering a highly integrated land management system which prioritises environmental solutions and land regeneration, whilst enabling the preservation of traditional activities, and meeting the needs of modern rural communities.

Green Energy

North Logiealmond Wind Farm is proposed to consist of 20 wind turbines with a maximum installed capacity of 144MW. Given the Estates' strategic geographic position, as part of this proposal, the potential to provide clean energy to Perth and the surrounding areas via private wire is being investigated.



Farming

Alongside renewable development, Scone Estates remain committed to traditional farming practices. North Logiealmond's upland areas are currently used for rough grazing of sheep, and lowland areas also used for grazing. Scone Estates is excited to see how this can continue and be enhanced alongside the development of the wind farm.

Community

As part of the woodland creation scheme, completed in March 2024, Scone Estates made local community access a priority going forward. North Logiealmond Wind Farm will extend this accessibility by creating multi-use tracks between the wind farm and woodland.



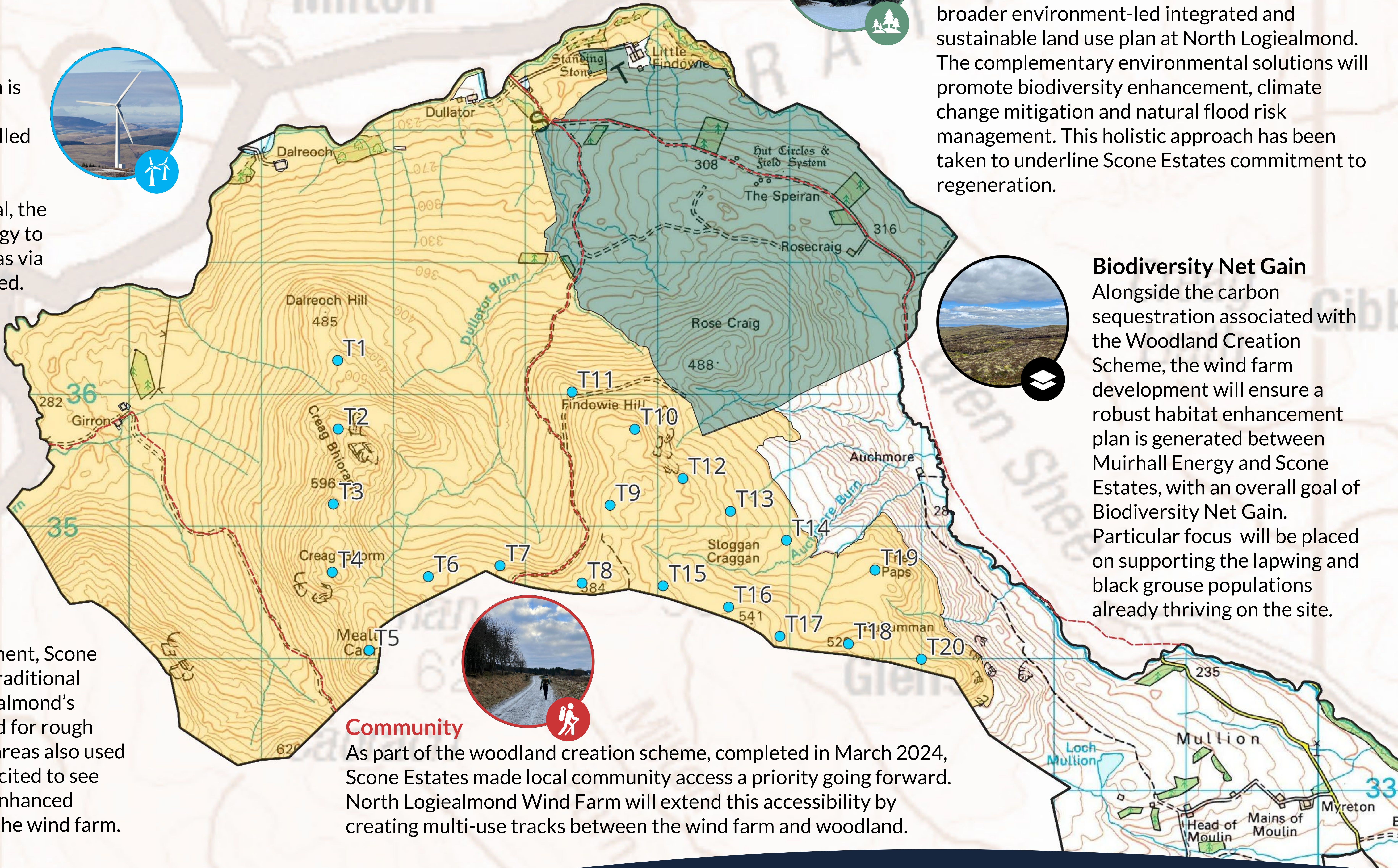
Afforestation

Scone Estates has recently undertaken the planting of 618 acres of woodland as part of a broader environment-led integrated and sustainable land use plan at North Logiealmond. The complementary environmental solutions will promote biodiversity enhancement, climate change mitigation and natural flood risk management. This holistic approach has been taken to underline Scone Estates commitment to regeneration.



Biodiversity Net Gain

Alongside the carbon sequestration associated with the Woodland Creation Scheme, the wind farm development will ensure a robust habitat enhancement plan is generated between Muirhall Energy and Scone Estates, with an overall goal of Biodiversity Net Gain. Particular focus will be placed on supporting the lapwing and black grouse populations already thriving on the site.



Scone Estates Masterplan

Amenity & Commercial Woodland

Scone Estates includes large areas of woodland. This woodland comprises amenity woodland, for which the focus is community benefit and access, and commercial forestry which is carefully planned and managed in a sustainable way, playing an important part in one of Scotland's main exports.



Land Management

Integrated sustainable land management is a core principle of Scone Estates, with work focussed on initiatives such as carbon sequestration and a biodiverse approach to farming.



Perth Racecourse

Scone Estates brought the racecourse under its management for the first time in 2023 and extended the use of the venue as a conference centre. A full calendar of diverse, large-scale events within the Estate is continually being enhanced and expanded.



Visitor Attractions

Scone Palace and Grounds attract over 100,000 visitors a year. In spring 2024, plans were put forward for a new Visitor Centre at the stables, with restaurant and an adventure playground. The entrance to Scone Palace will now be from the north, utilising the new CTRLR and connecting to new active travel links. There are proposals for electric vehicle charging stations. Scone Palace regularly plays host to large scale events, such as the annual Scottish Game Fair and Scone Palace International Horse Trials.



Cultural Heritage

Across Scone Estates, maintaining and enhancing cultural heritage remains a priority. The Estate has been under the stewardship of the Mansfield family for over 400 years, and preserving that heritage is and always will be paramount.



Cross Tay Link Road (CTRLR)

Scone Estates has worked with Perth and Kinross Council to facilitate the route of the CTRLR through some of its most productive land. The CTRLR brings huge potential to boost economic benefits to the area and will ease congestion in Perth.

