

Welcome

About this exhibition

Thank you for taking the time to visit our exhibition for the proposed Glentarken Wind Farm. The purpose of this exhibition is to engage with the local community and interested parties about our proposals and the work we have undertaken so far.

This is a chance for us to share our initial plans and seek your feedback on our proposals, as well as an opportunity for people to raise questions, concerns, ideas or comments that will be considered as part of the development process.

Whilst the maps and some information will change as the project develops, this is your opportunity to have your say to ensure that SSE Renewables can work in collaboration with the communities and take into account any and all feedback we receive.

Feedback from this consultation will help shape the Environmental Impact Assessment work and further the development of our proposals for Glentarken Wind Farm.

Please take as much time as you like to view the information boards on display, members of the project team are on hand to assist with any questions you may have.



Who is SSE Renewables

SSE Renewables is a leading developer and operator of renewable energy projects, headquartered in the UK and Ireland with a growing presence internationally. Our strategy is to lead the transition to a net zero future through the world-class development, construction and operation of renewable power assets.

We are part of SSE plc, the UK-listed energy infrastructure company which is investing £18bn between now and 2027, or £10m a day, to contribute to the delivery net zero and address climate change head on. This includes plans by SSE Renewables to increase its installed renewable energy capacity to 9GW by 2027, and over 16GW by 2032.

If constructed, Glentarken Wind Farm will play an important part in helping the UK meet its climate goals and ending reliance on volatile energy markets, providing more secure homegrown energy.



SSE Renewables in Central Scotland

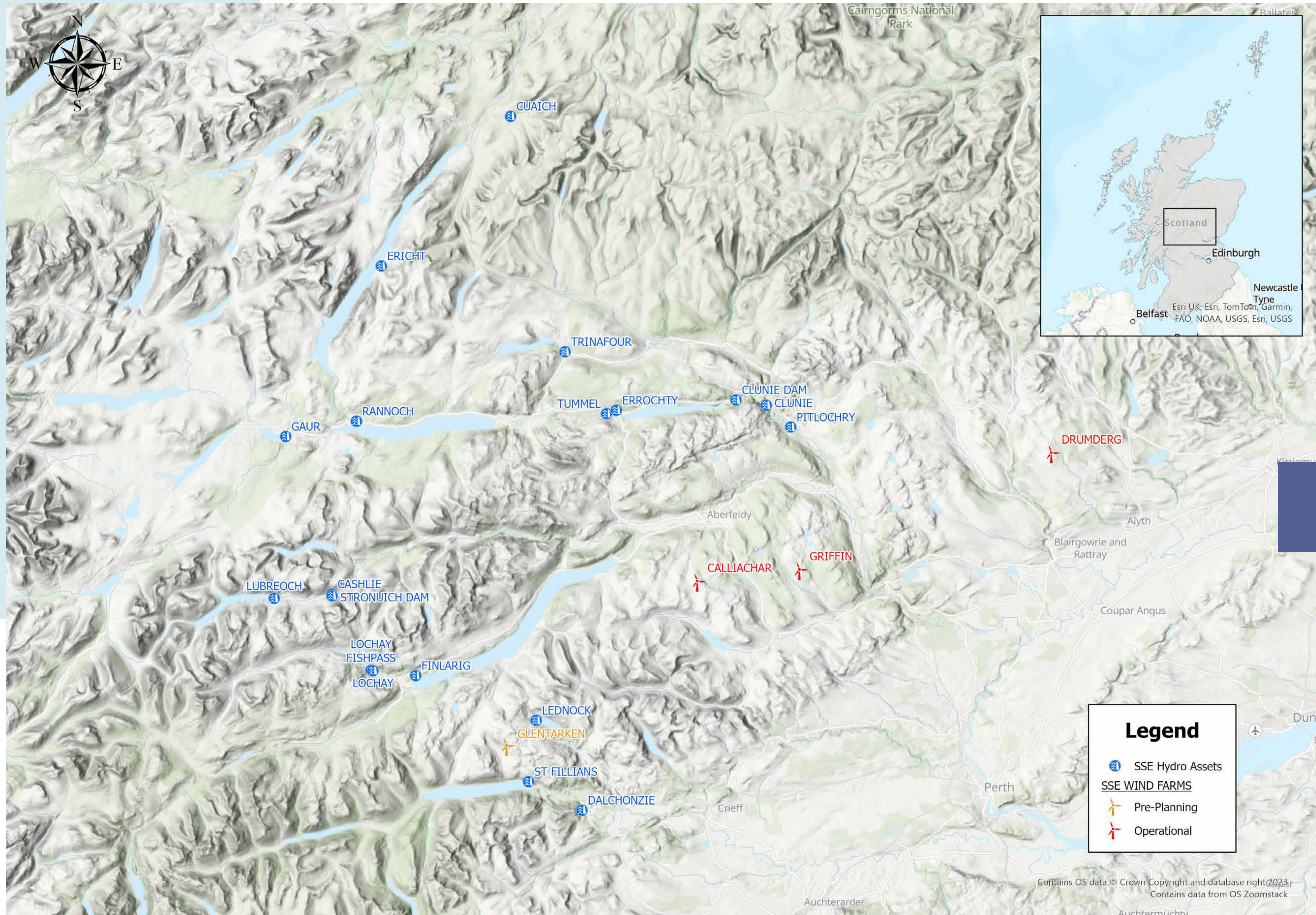
SSE Renewables has a long-term commitment to investment in Central Scotland through both onshore wind and hydro.

Onshore Wind

SSE Renewables operates onshore wind farms at Griffin and Calliachar, near Aberfeldy. Griffin began operating in 2012, its 68 turbines generate an installed capacity of up to 156 Megawatts (MW). Neighbouring Calliachar, which achieved first power in 2013, has 14 turbines and an installed capacity of up to 32 MW. Drumderg is one of SSE Renewables oldest wind farms, completed in 2008, located in Perthshire, approximately 5km to the northeast of Bridge of Cally and around 10km to the northwest of Alyth, the site has 16 turbines, generating up to 36.8MW.

Hydro

SSE Renewables also boasts a rich tradition of hydro operations in the region. The Breadalbane scheme features seven interlinked power stations – including St Fillans - around Loch Lyon, Loch Tay and Loch Earn. The Tummel Valley scheme consists of nine power stations between Dalwhinnie and Pitlochry. SSE Renewables is currently investing £50 million in refurbishment of Tummel Bridge Power Station.



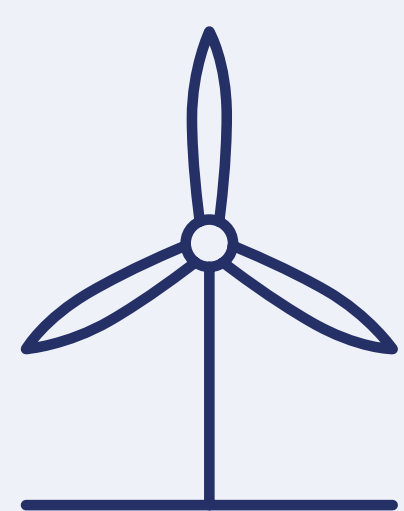

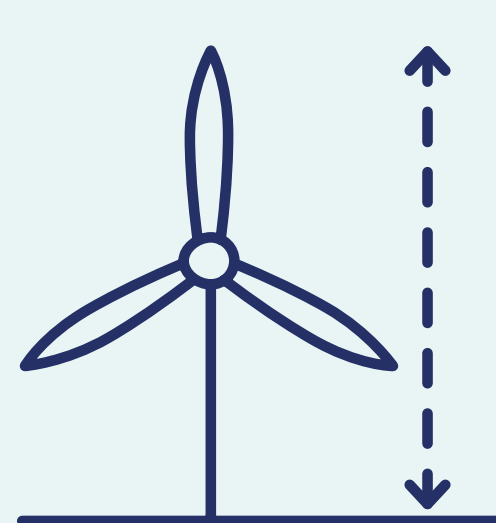
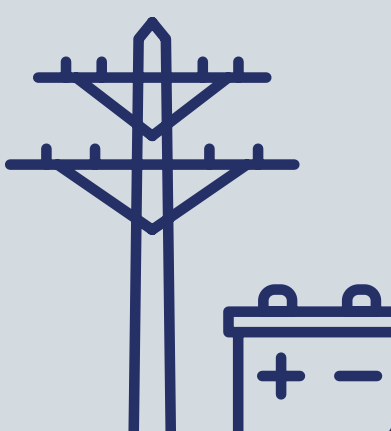

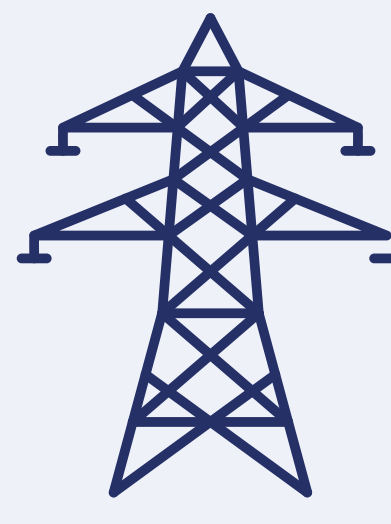
SSE Renewables in Central Scotland

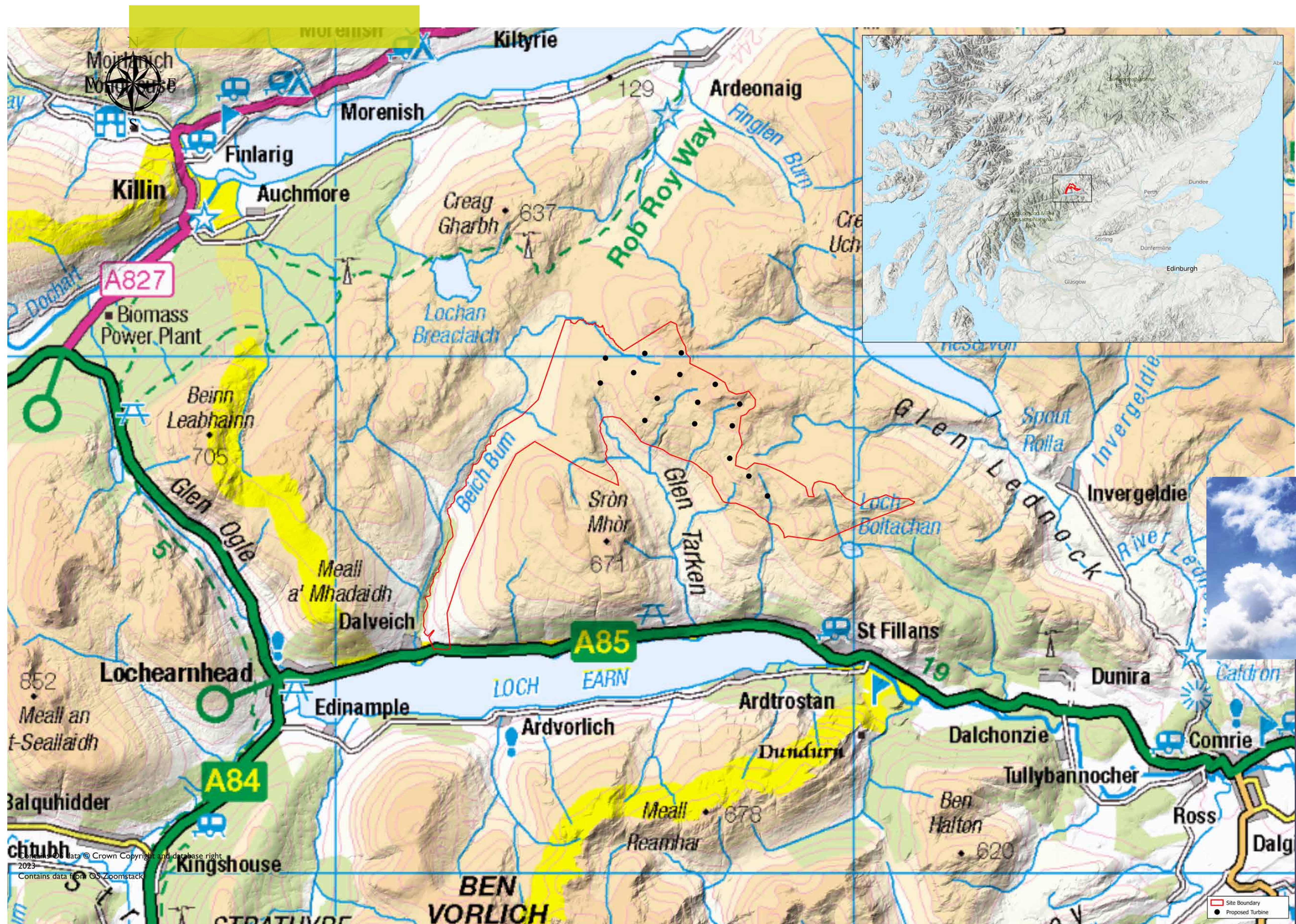
The Project

In the context of the Climate Emergency and increased renewable energy generation targets, the proposed design has been developed thus far with specialist survey work, technical modelling, feedback from stakeholder engagement and an iterative and detailed design process.

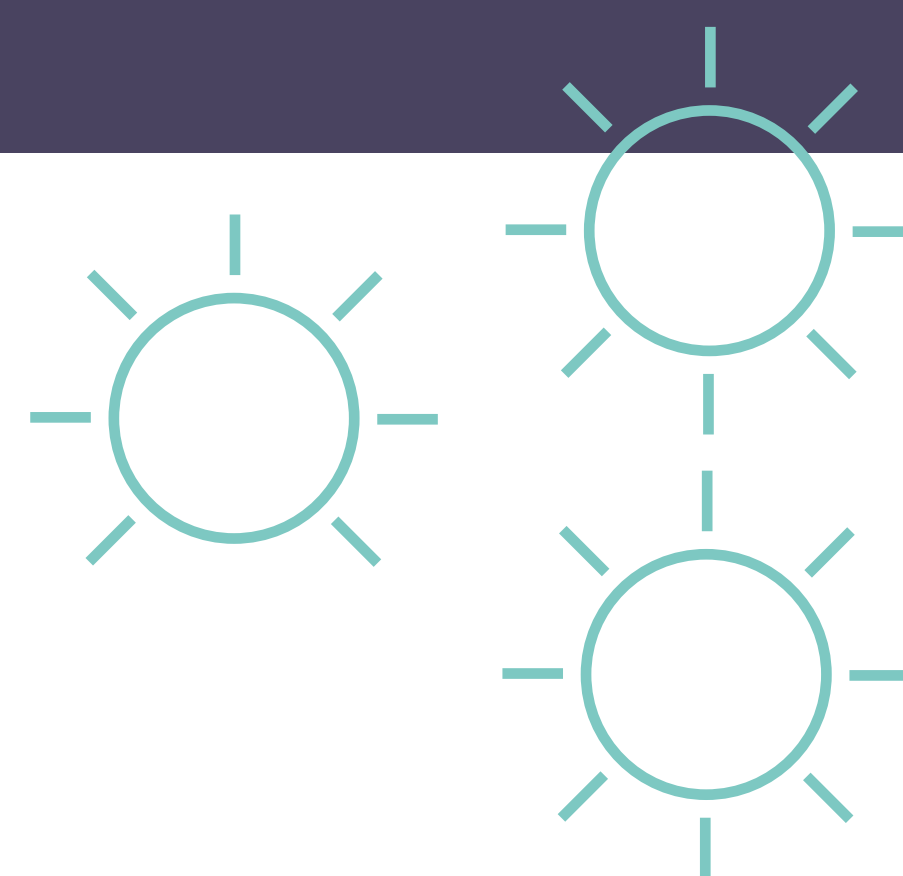
The proposed Glentaken Wind Farm is located approximately 45km west of Perth within the Drummond Estate. The majority of the site boundary lies within the Perth and Kinross Council area, with access to the proposed development sitting within the Stirling Council area.

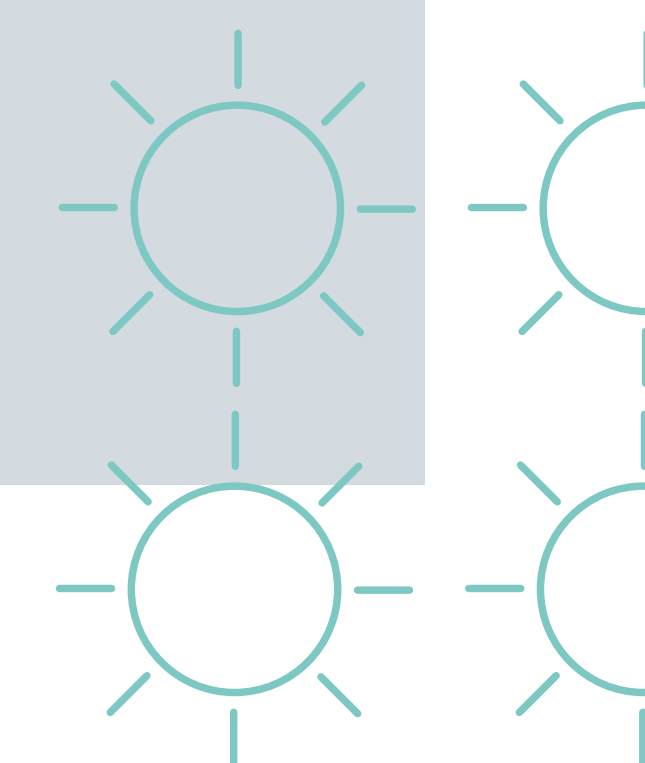
SSE Renewables is proposing to build approximately 16 turbines with a maximum tip height of up to 180m, as well as ancillary infrastructure such as access tracks, crane hardstandings at each turbine, a construction compound, onsite substation, operational building, batching plant and borrow pits. The option for a complementary battery storage element is also under consideration.

	Up to 16 Turbines		Battery storage solution
	Up to 180m Tip Height		Up to 104 MW Installed Capacity
	Power up to 68,000 homes		Grid Connection – Late 2031



Site location plan





Project Timeline



Site Feasibility

Assessment of a wide range of parameters at the proposed development site was completed to understand feasibility. These include wind speed, grid availability, landscape, topography, turbine technology, accessibility, environmental and cultural concerns.



Scoping (2022-2023)

A Scoping report was submitted to statutory and non-statutory consultees in December 2022. The feedback 'the Scoping opinion' was received in February 2023, informing the content of the Environmental Impact Assessment report.



First Public exhibition August 2023

Exhibitions are held to present early-stage proposals and allow people who live and work in the area to offer feedback at an early stage.



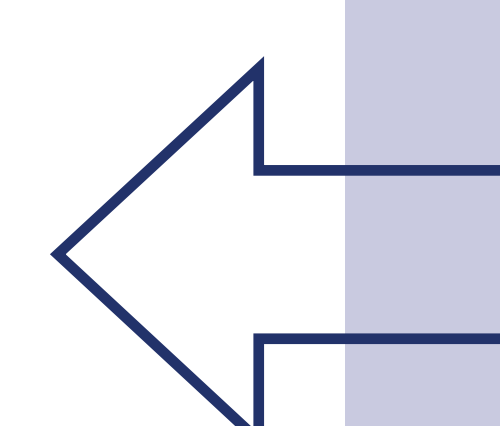
Environmental Surveys (2021-2024)

Ornithology surveys began in spring 2021 and continued for 2 years. A team of environmental consultants were appointed to carry out environmental survey works until spring 2024, including habitat and protected species surveys.



Second Public Exhibitions May 2024:

Exhibitions are held to present revised proposals and allow people who live and work in the local area to provide further feedback at this interim stage.



We are here



Environmental Impact Assessment report (2024)

The results of environmental survey and assessment works is considered in line with the scope of the EIA to inform the final site layout. This information is then presented within an EIA report which supports the Section 36 application (S36). As this application has an installed capacity greater than 50MW, it will be submitted to the Scottish Government's Energy Consents Unit (ECU).



Third Public Exhibitions Autumn 2024

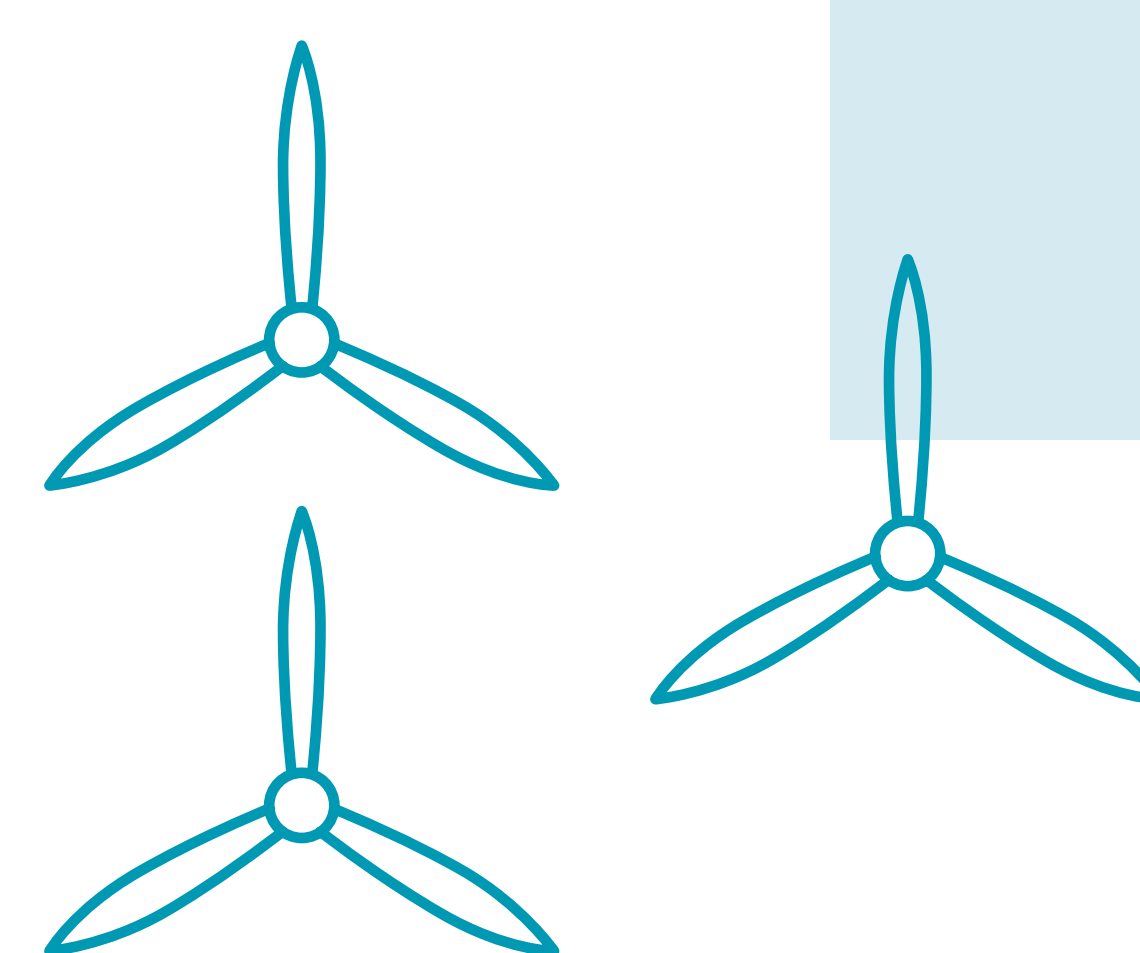
Following a period of ongoing consultation with the local communities, and as we near the final designs for the project and more detail is known, we will hold a further round of exhibitions to give you the chance to review and feedback before we submit our S36 Application.



Submission of Section 36 Application (Winter 2024)

The S36 application and supporting EIA report will be submitted to the ECU, who will consult with statutory and non-statutory consultees before making a final decision on the proposal. Copies of the application and the EIA report will be sent to consultees (including local community councils). The information will also be available for public viewing during the consultation period. The application will be assessed against planning and energy policies, in conjunction with consultee and community feedback. The application will be determined by the Scottish Ministers.



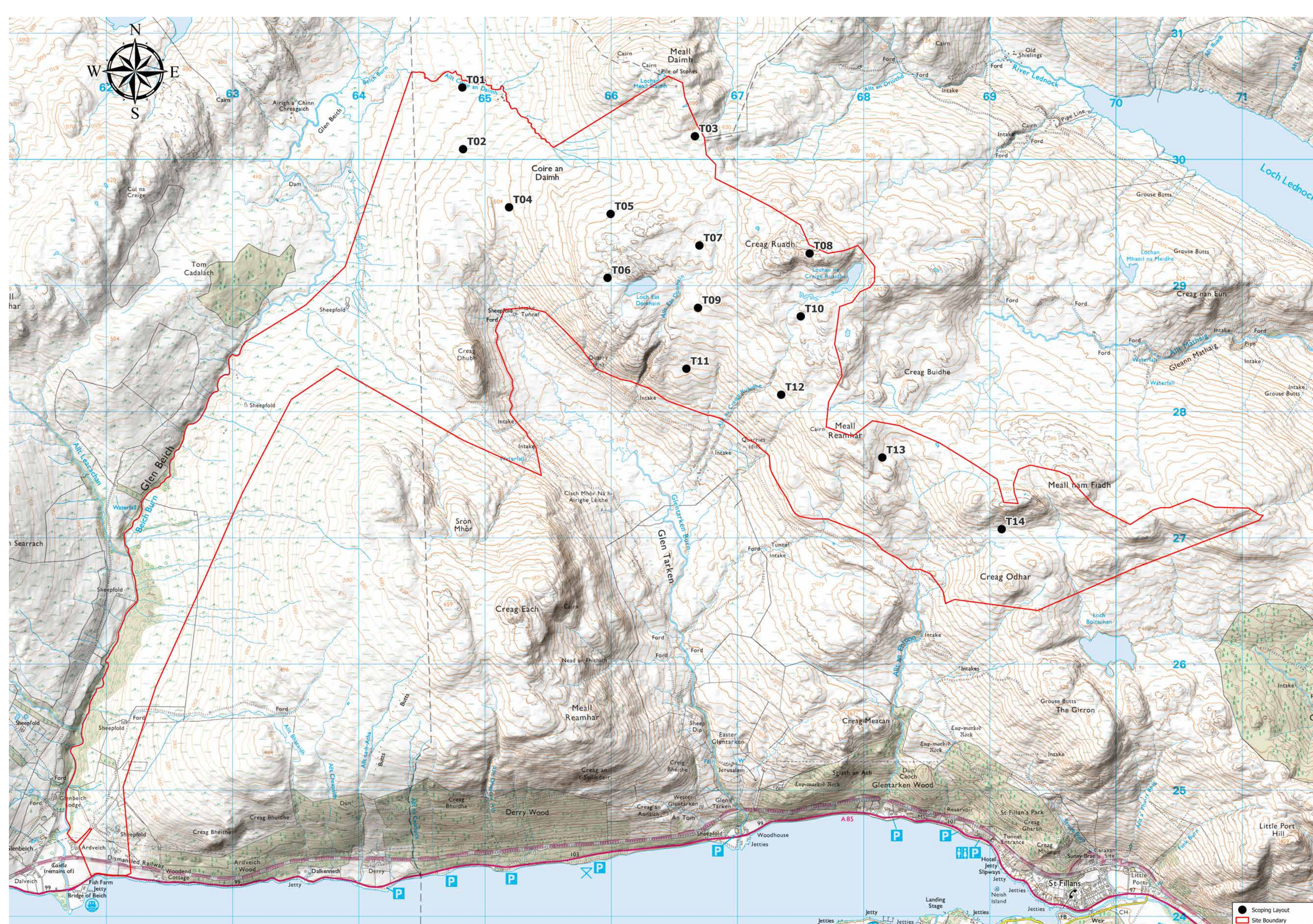


Environmental Impact Assessment

Scoping Stage

An indicative design for a potential turbine layout containing 14 Wind Turbine Generators (WTG's) delivering up to 84 Megawatts (MW) was included as part of our submission for a scoping opinion to the Scottish Government in December 2022.

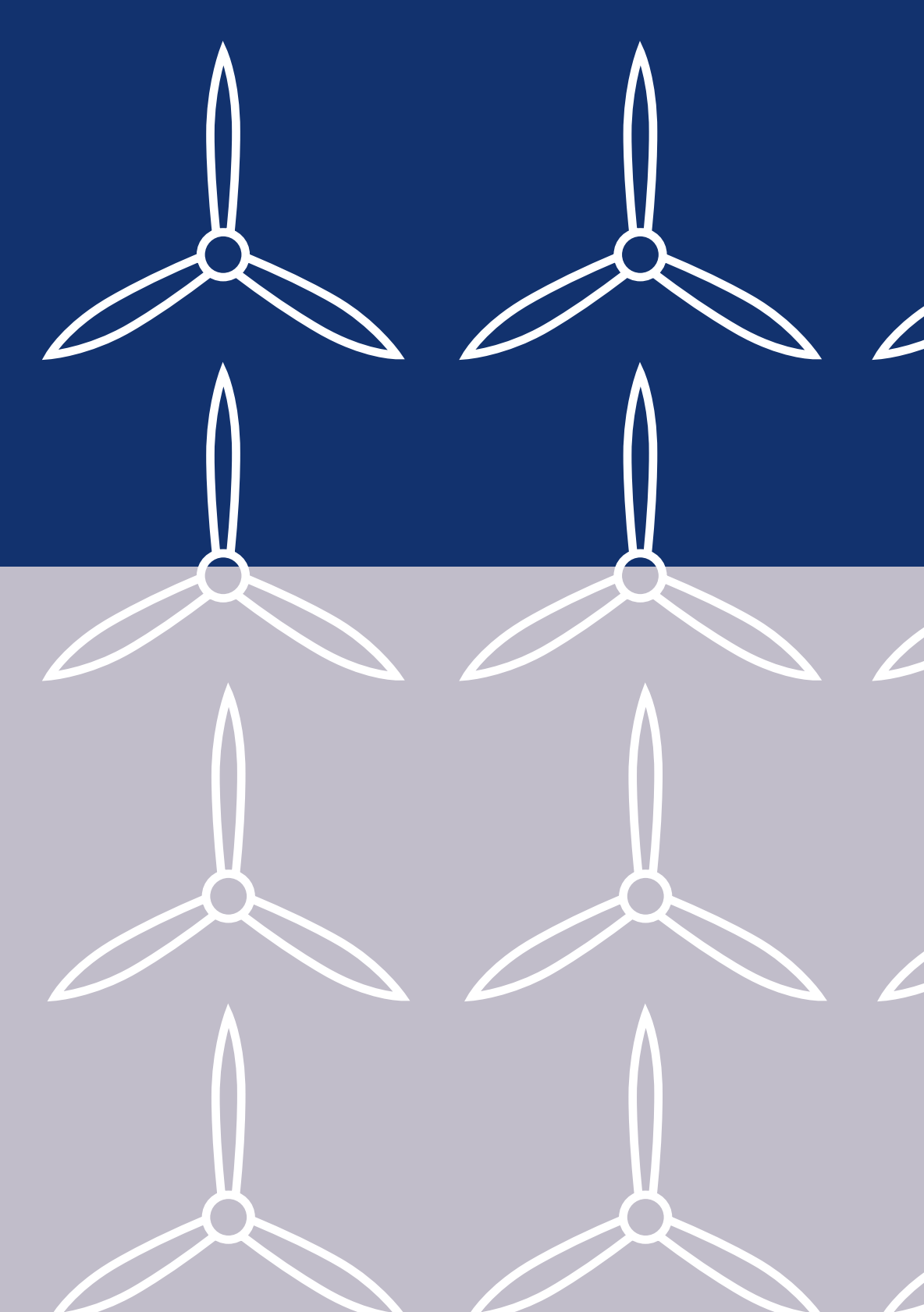
Since this early stage, the design has been developed further following scoping feedback from stakeholders and communities and specially appointed Environmental and Technical experts (the EIA team).



Scoping Layout – 14 indicative wind turbine locations

The core environmental study areas are:

- Ecology, Biodiversity and Nature Conservation
- Landscape
- Ornithology
- Hydrology, Geology and Hydrogeology
- Cultural Heritage
- Traffic, Access and Transport
- Noise and Vibration
- Aviation
- Carbon Assessment
- Socio Economics

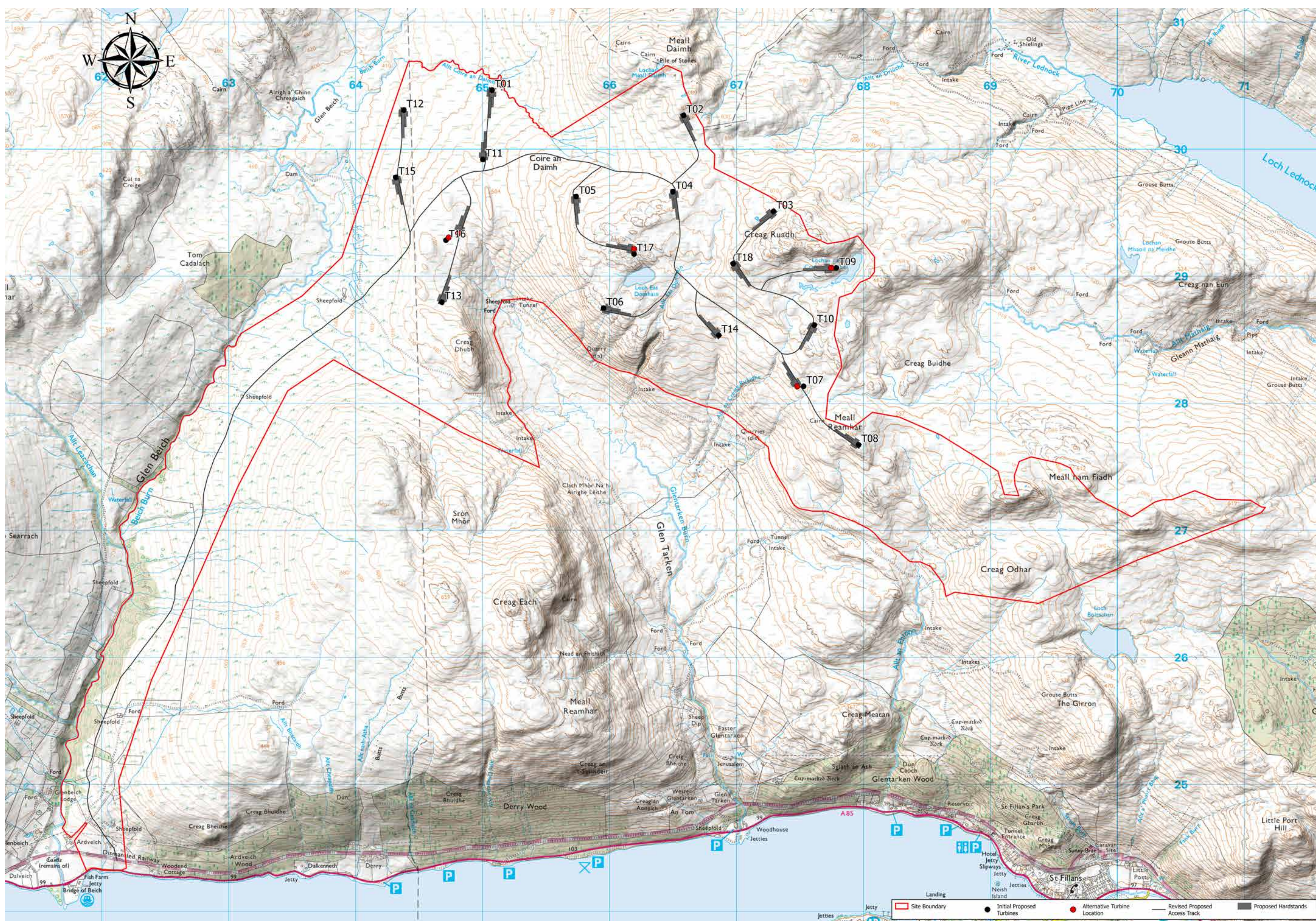


Environmental Impact Assessment

Design Evolution

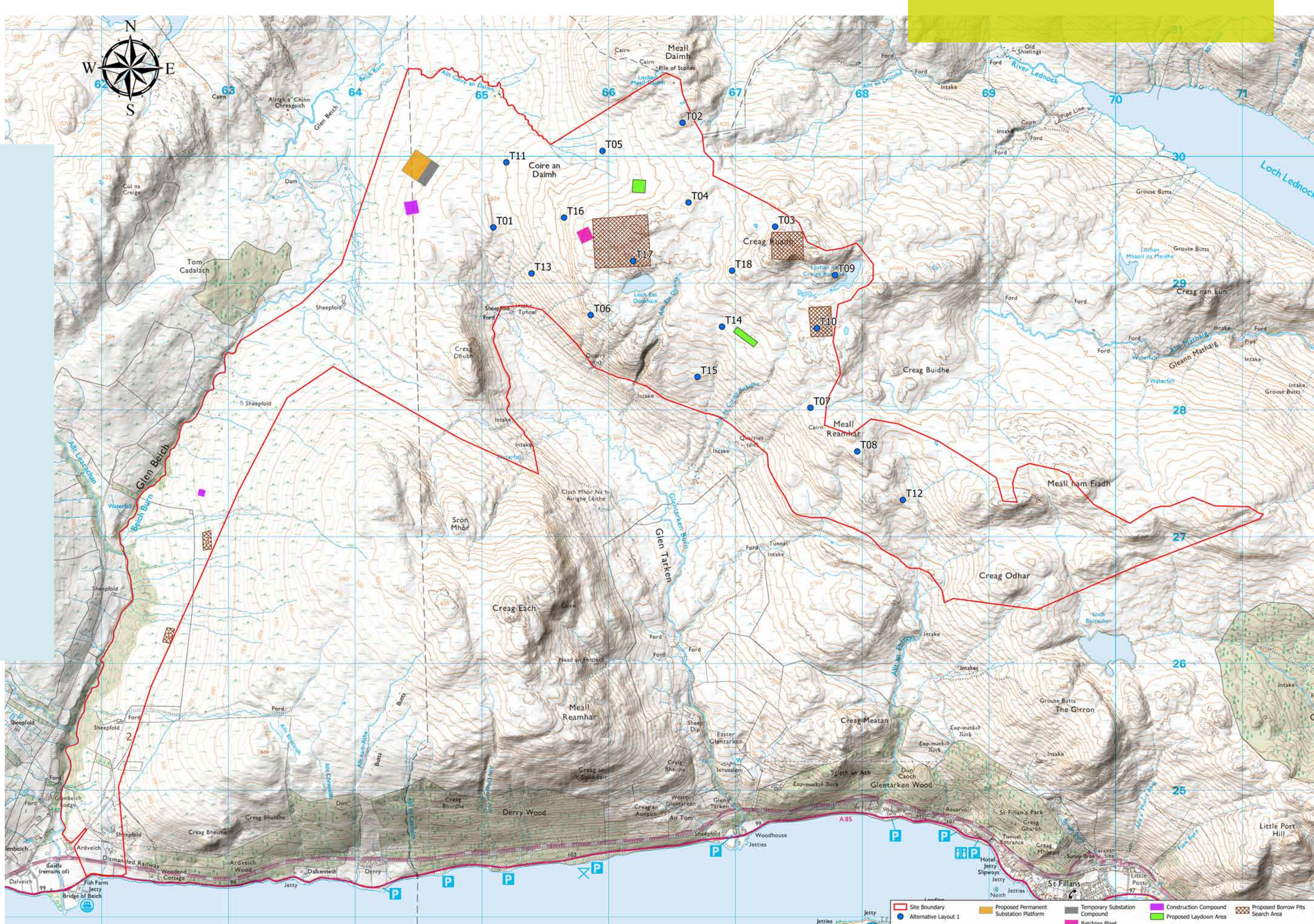
Over the last 12 months the EIA team have gathered a robust set of baseline environmental data and wind resource analysis which has been used to inform the site layout.

We have also carried out several design workshops so far, paying particular attention to minimising impacts on sensitive habitats, avoiding deeper areas of peat, ornithological sensitivities, and minimising landscape and visual effects as much as possible.



Post Scoping Design – 18 wind turbine locations, indicative access tracks and hardstandings added.

Turbine numbers changed from 14 to 18 at this point, optimising the energy generation from the available wind resource from the predicted 84MW up to 104 MW Grid connection, which is now in place.

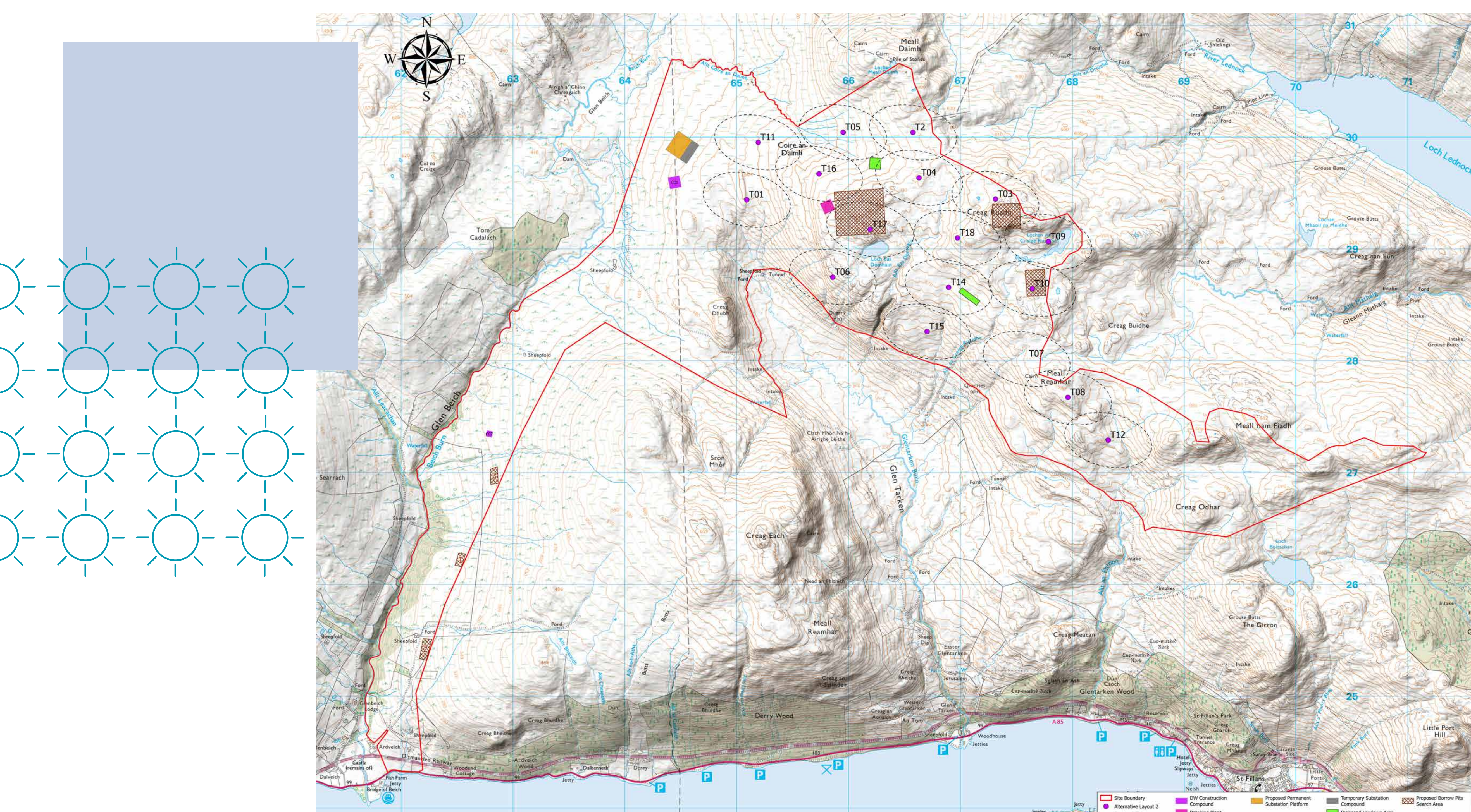


EIA Design Workshop 1 - Ancillary infrastructure and borrow pit search areas were added.

Following review of the post scoping layout, further turbine position refinement took place and other required site infrastructure was added including; a blade laydown area, a concrete batching plant, an electrical substation, a temporary construction compound and potential borrow pit search areas.

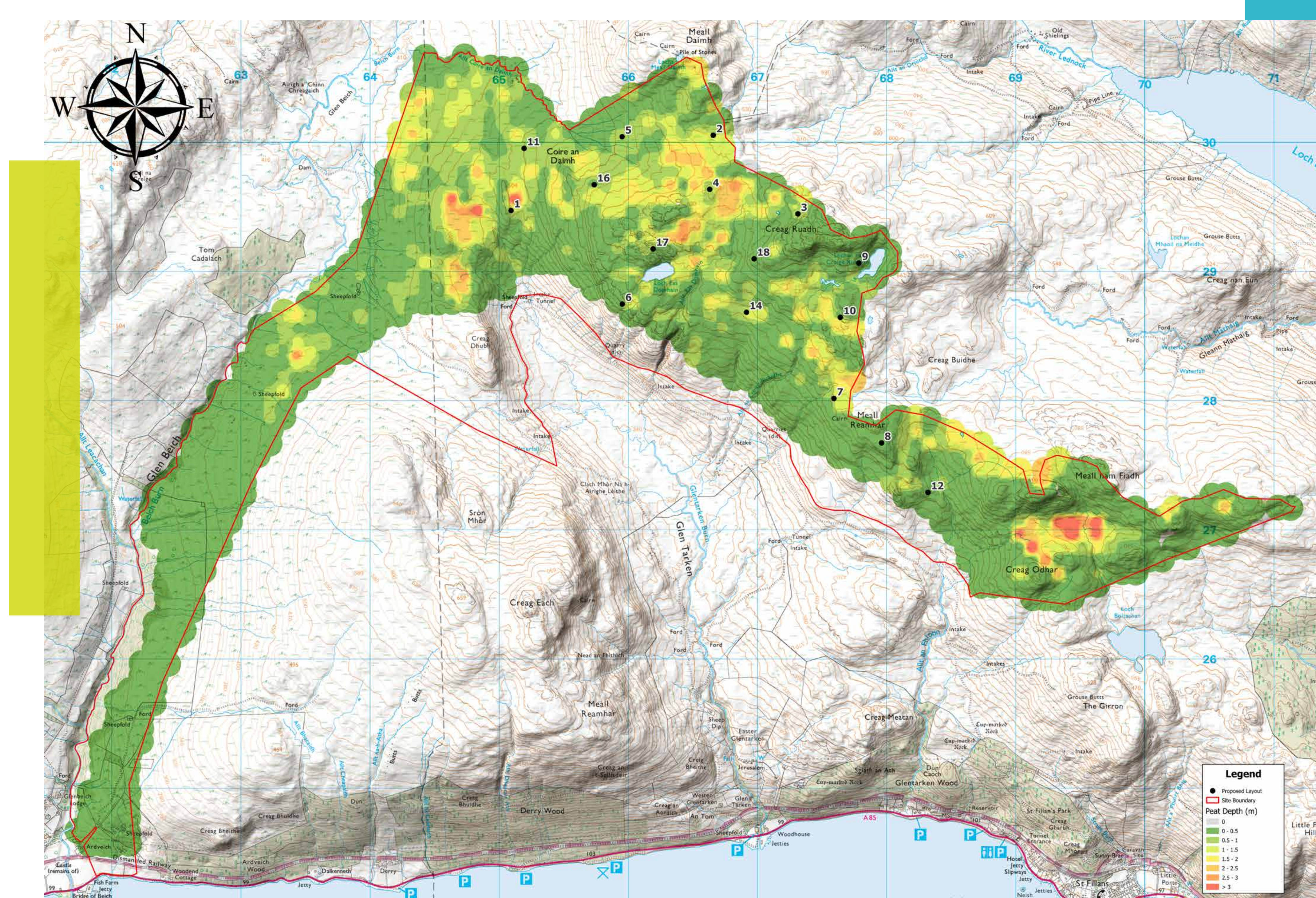
Environmental Impact Assessment

Design Evolution (cont.)



EIA Design workshop 2 – Ongoing design refinement

The main purpose of this workshop was to review the engineering layout and make modifications to account for environmental constraints, primarily peat depths and landscape and visual impacts, whilst accommodating the steep topography and wind energy optimisation.



EIA Design workshop 3 – 16 Wind turbines and potential for inclusion of battery storage

At this workshop we further reviewed the engineering, landscape and visual feedback. A site walkover also took place at this stage to confirm the suitability of revised positions. This review allowed us to amend the design to include 16 turbines.

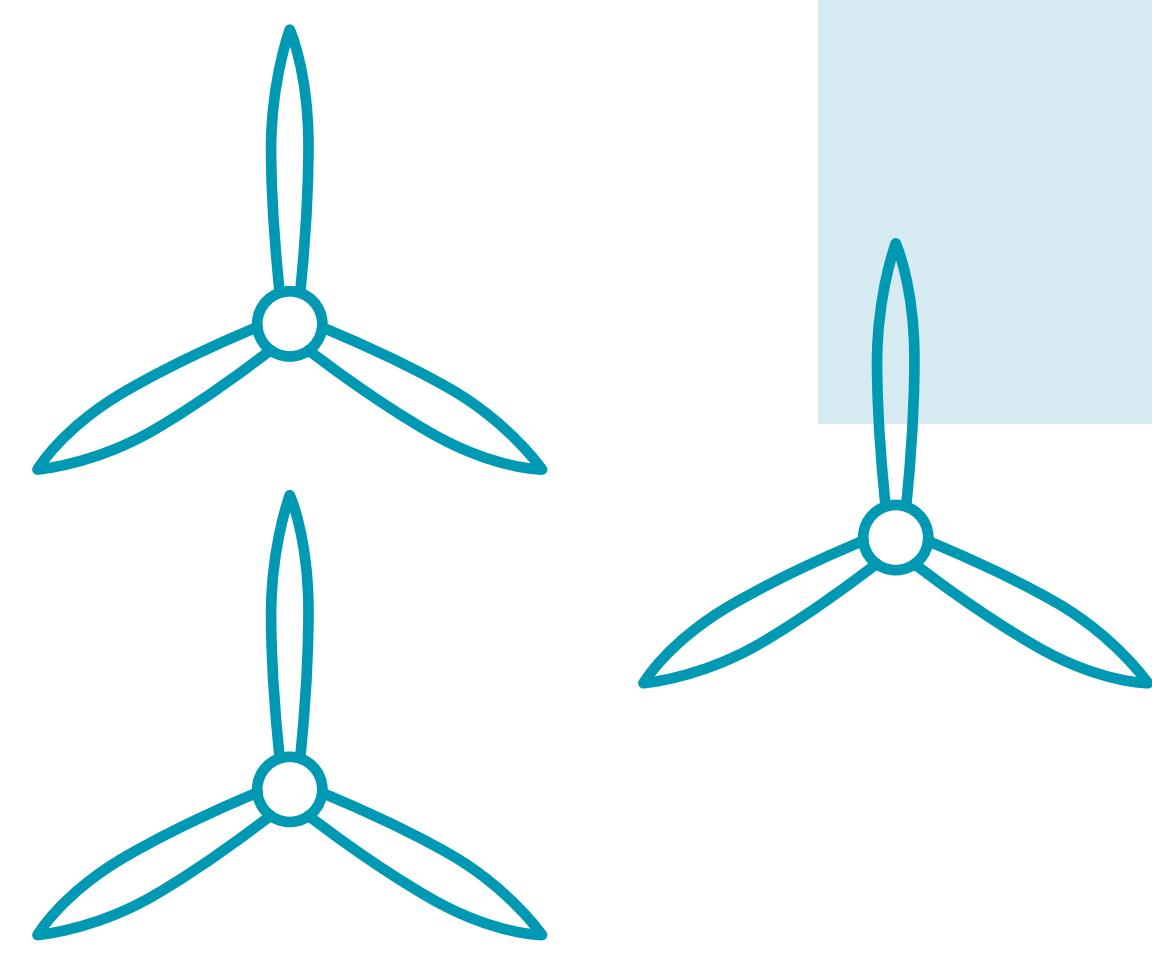
Potential Battery Storage

In the context of increased pressures on energy infrastructure, we want to optimise the generating potential for up to 104MW and efficiency of our existing and soon to be developed sites. That is why we are currently exploring the feasibility of including a battery storage solution as part of the development of our proposals.

Combining technologies such as batteries can complement energy generation, contributing to a more stable grid at source. This results in the delivery of more power to the grid at the right time and more effective use of the existing grid connections, infrastructure, land, and environmental suitability.

Reaching the final design

The site design and turbine layout will continue to evolve, undergoing further refinement until we reach an ideal design. This ongoing engagement and feedback from stakeholders will help shape the design and so the design 'fix' can be achieved. Following design fix, the EIA team will prepare the final Environmental Impact Assessment report (EIAR) and the Section 36 Application for submission to the Scottish Ministers, Energy Consents Unit.



Access and Transport route

A key consideration in shaping our proposal so far has been to ensure our transport route is as efficient and safe as possible, but also to minimise impact where possible.

Turbine components could be transported from the Port of Grangemouth, travelling along the M9 till Junction 10 where they would join the A84.

The Loads would continue their journey passing through Doune, Callander and Balquidder. At the junction with the A85 in Lochearnhead, loads would then turn right onto the A85 eastbound, passing through Lochearnhead before turning left into a purpose-built access junction onto a new Wind Farm site entrance.



Site location plan

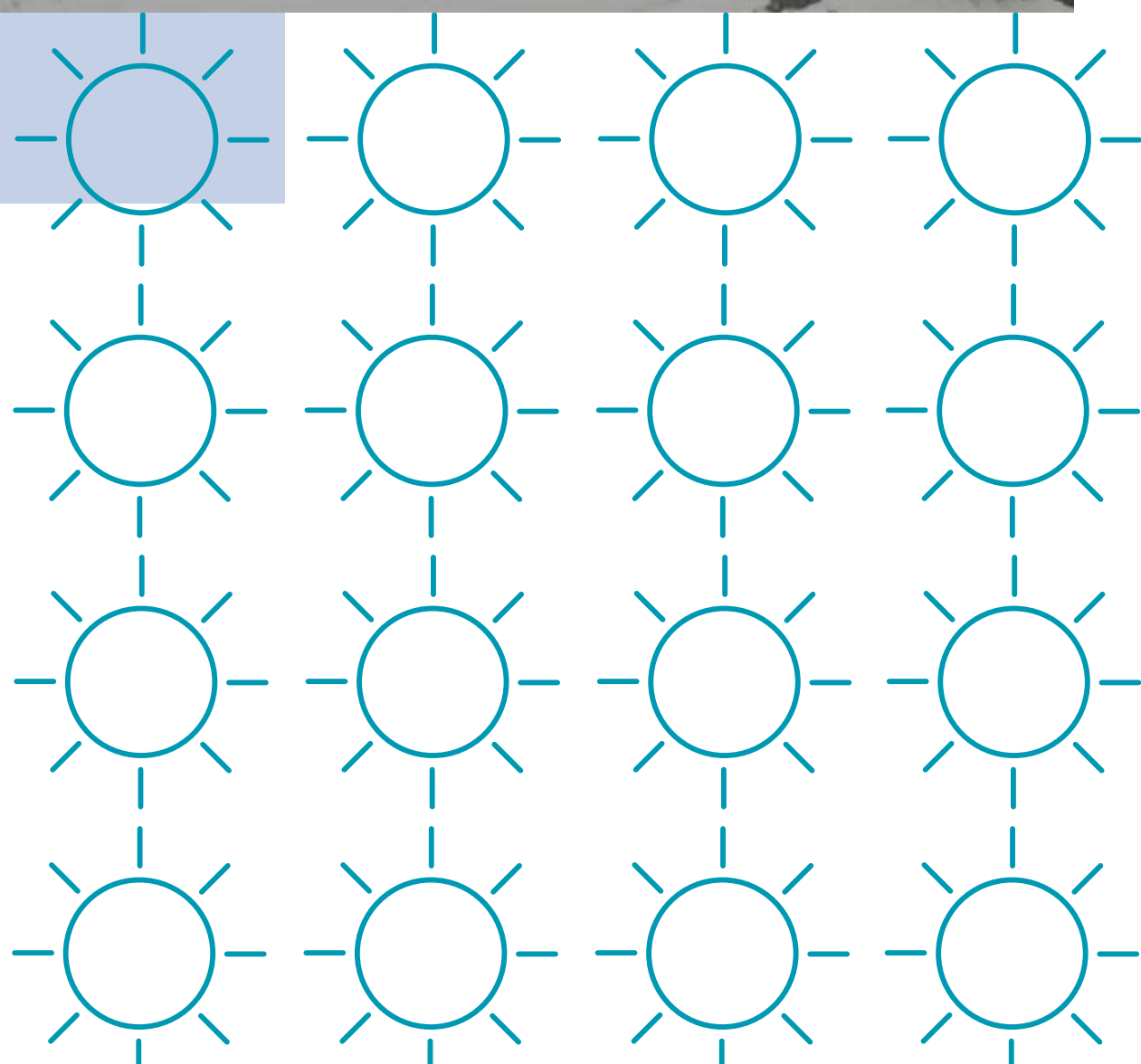
Turbine Deliveries - Moving Abnormal Loads

We know that one of the biggest impacts at construction stage is the transportation, specifically the delivery of large turbine components, or abnormal loads.

To move an abnormal load within Scotland, these must be escorted by Police Scotland under ‘The Road Vehicles (Construction and Use) Regulations 1986’ legislation.

Months of careful planning and discussions with Police Scotland, Transport Scotland and local planning authorities takes place to ensure convoys are planned to avoid peak travel periods and cause minimal disruption. Police Scotland escort all turbine deliveries and determine the delivery days and times.

Abnormal loads are not permitted to travel during peak hours, this is to minimise the disruption to road users and to keep the road network flowing during key periods such as rush hour and school drop off and pick up. These are Monday-Friday between 6.30am-9.30am and 3.30pm-6.30pm.



Nacelle being transported to Viking Wind Farm in Shetland

Our environmental commitments

We recognise that we have significant interaction with the environment through the activities we undertake whilst developing, building and operating our onshore wind farms. We have a responsibility to design and build our projects in a way which protects the natural environment in which we operate.

That is why we are committed to developing our projects in a way that protects and enhances the nature environment. Our Biodiversity Net Gain approach to development aims to leave the natural environment in a measurably better state than it was pre-development. It focuses on the change in the biodiversity value of a sites, comparing the pre and post construction biodiversity values to ensure a positive impact overall.

SSE Renewables have targeted the Biodiversity Net Gain ambition of no biodiversity net loss on onshore sites consented from 2023 and a biodiversity net gain on sites consented from 2025 onwards. SSE Renewables are committed to providing a measurable benefit to nature conservation and this is typified in the development of our ten-point plan for biodiversity.

To find out more visit:

sserenewables.com/sustainability/biodiversity-net-gain/



Seeking your feedback

This exhibition is part of the ongoing conversation between SSE Renewables and stakeholders like you, who have an interest in the proposal. This is an opportunity for us to share our plans and is an opportunity for you to raise questions, concerns, ideas or add any comments that can be considered as part of the development process.

We will continue to engage with community groups, residents, business owners and other interested parties. Development and design work will continue at the proposed site.

Once the design has been 'Fixed' the EIA report will be prepared. There will be further public exhibitions to present the findings of the assessment and our final design and plans for the wind farm proposal.

Further information will be available at:
sserenewables.com/Glentarken

We would very much welcome any feedback and so we have provided feedback forms which are available in the hall. Alternatively, please submit one online by using this QR code:



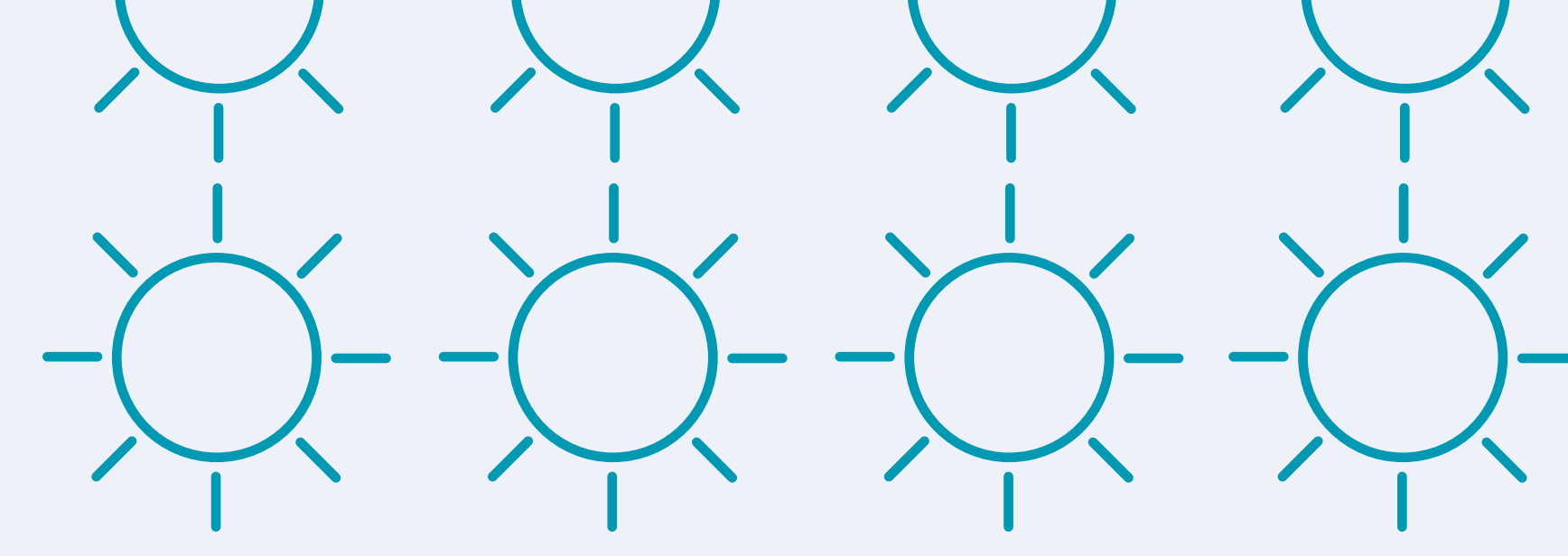
Pauline Allison

Stakeholder Engagement Manager

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Working with the Community

Delivering benefit locally

SSE Renewables has a long-term commitment to invest in our local communities. Over the next 25 years the SSE Renewables' Community Benefit Funds will generate at least £315 million across all UK and Ireland projects.

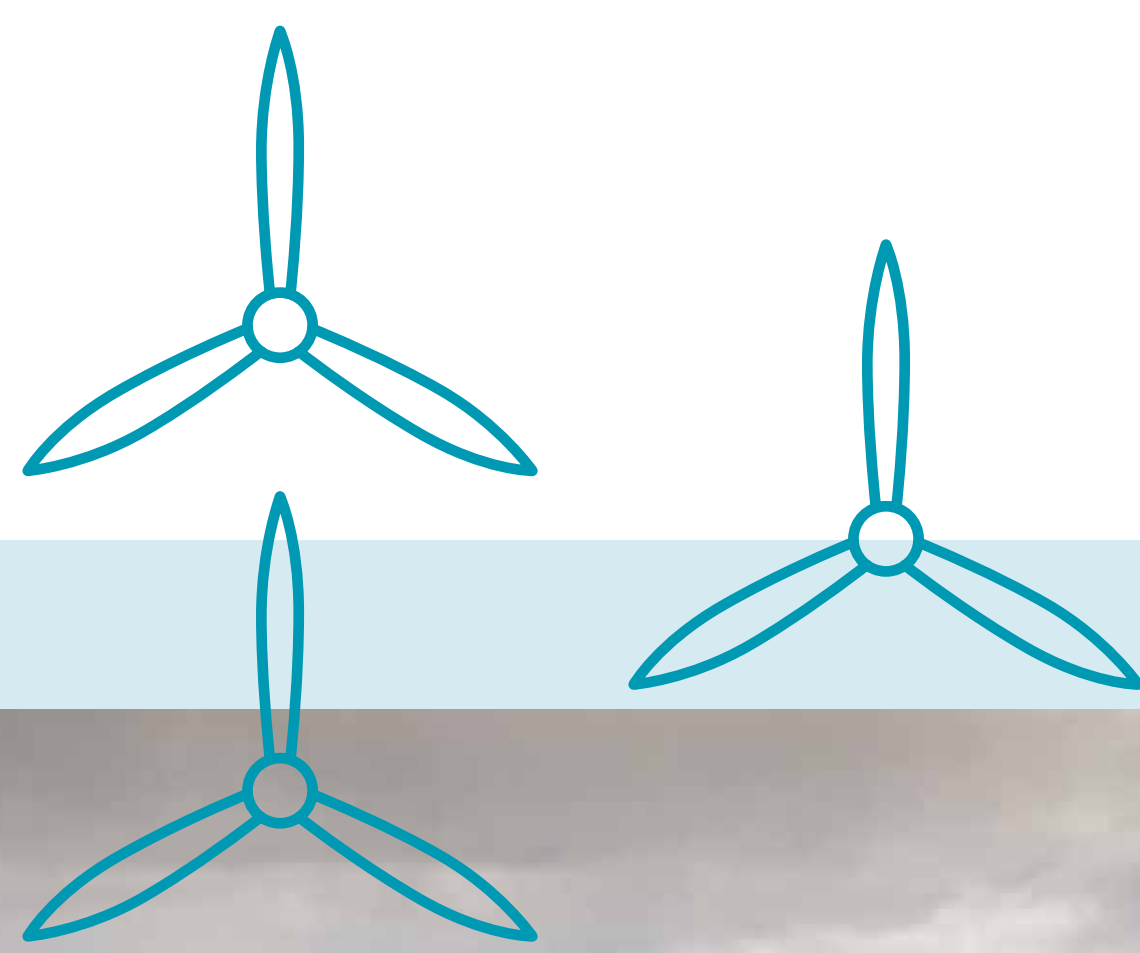
SSE Renewables is one of the world's largest developers of renewable energy. We have always believed in sharing the value of our renewable energy projects with communities, maximising the benefits of local, sustainable power. We made a commitment in 2012 to invest in local communities. Our ambition is to make sure every single penny of that money is spent wisely; it makes a difference and reflects the priorities of local people.

We think the best way to achieve this is for the grant decisions to be made by local people. A community investment fund will be established for Glentarken Wind Farm valued at £5,000 per MW, with **£2.5k** distributed to local communities and **£2.5k** contribution to the Sustainable Development Fund. The funds will be available once main construction starts.

We are already delivering benefit locally through our Griffin, Calliachar and Drumderg Wind Farms and we make around £600,000 per year available for community and charitable projects. Between 2008 and 2036, we expect to invest **£13.6 million** in local projects.

The funds are managed by the local third-party community organisations based in each of the three areas. This model supports local employment to manage and administer the funds and develop officers to establish projects and initiatives. In the last 16 years over **£8 million** has been awarded to local projects in the surrounding communities.

To find out more about the funds, scan our QR code:



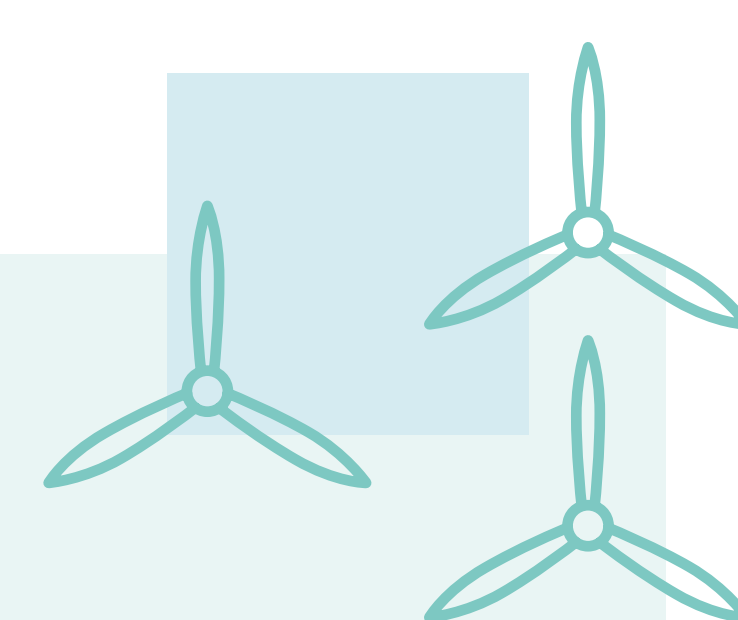
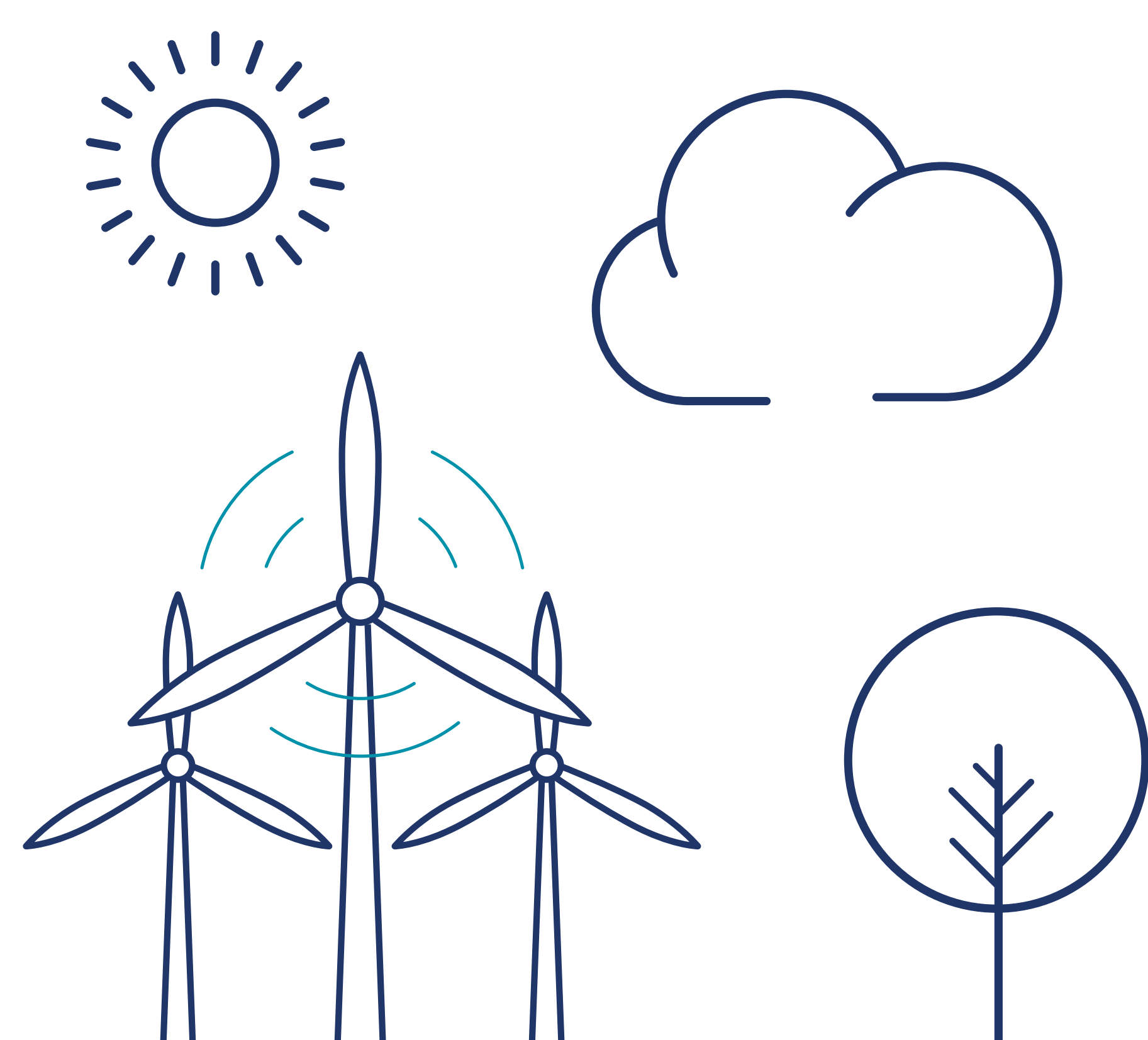
How our funds are used locally

We are committed to supporting the communities in which we live and work and understand we must contribute positively to society by being active in the communities that we are part of.

Here is a snapshot of some of the projects SSE Renewables have funded in the local area.

approximately
200
projects and initiatives

£4.5million
in local projects between
2014 and 2039.

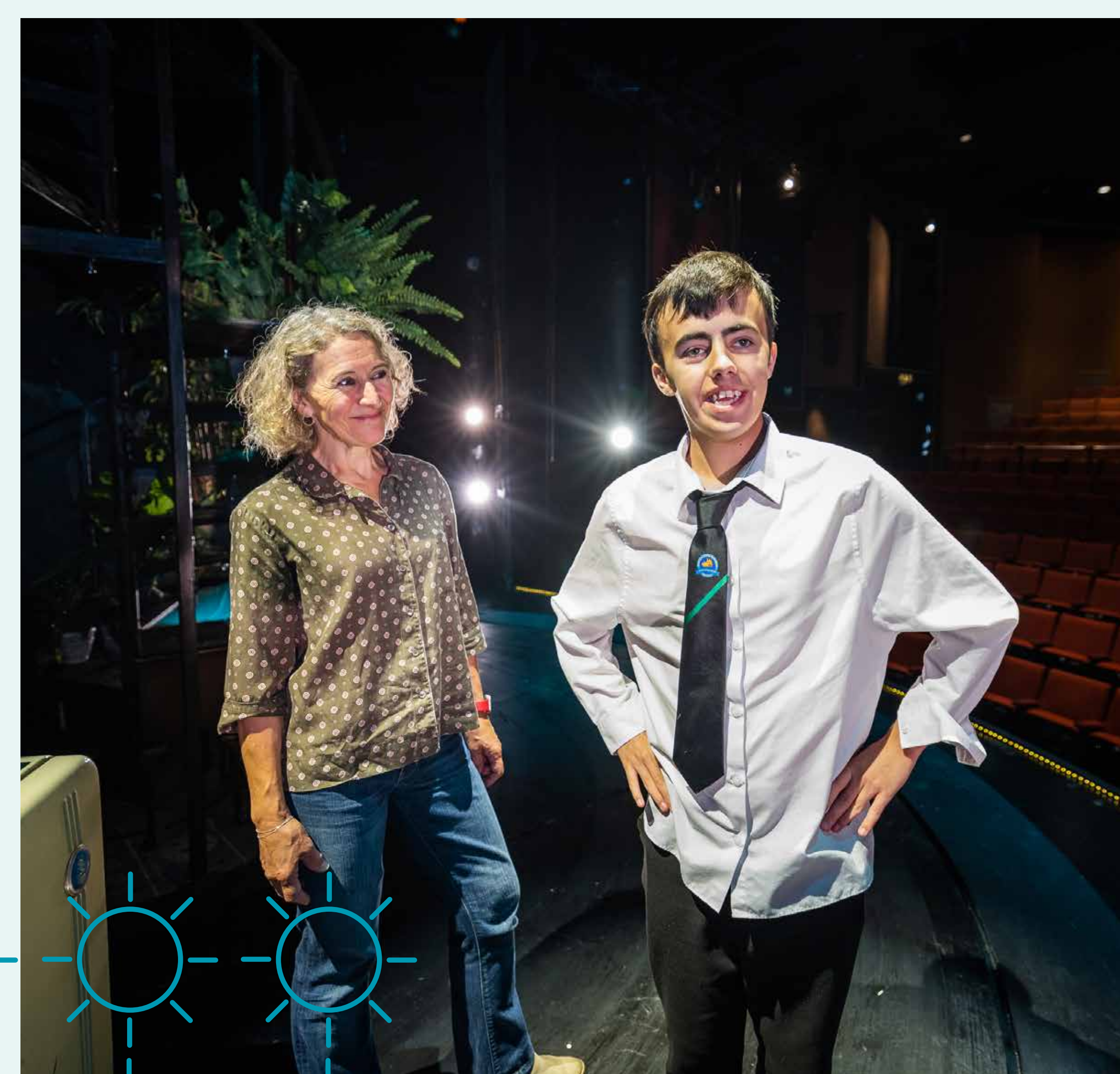


Griffin & Calliachar

- Building a covered multi use games area in Dunkeld.
- Helping create a new Crannog Visitor Centre in Kenmore.
- Establishing a community fitness trail in Aberfeldy. (Pictured left)

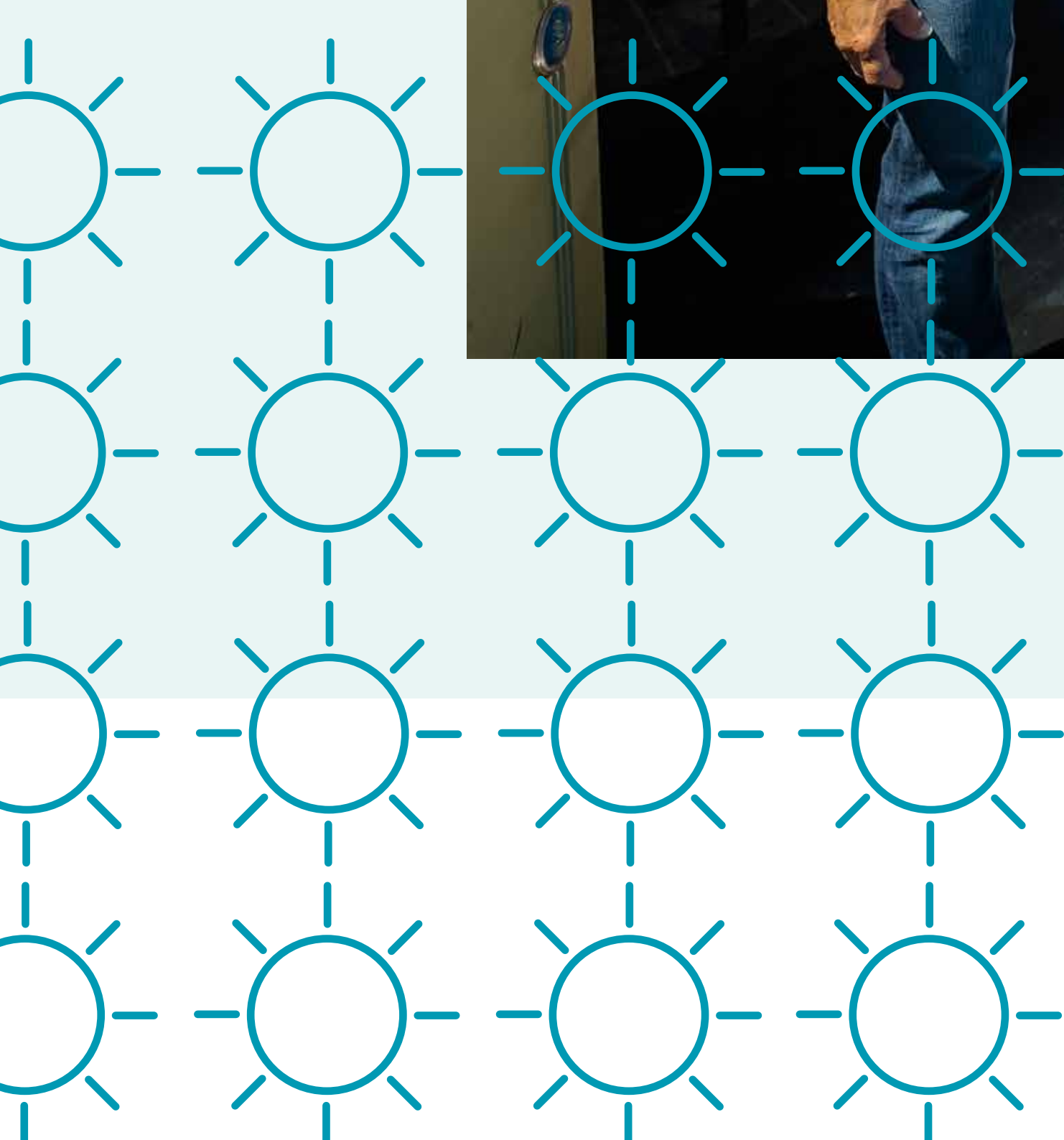
Drumderg

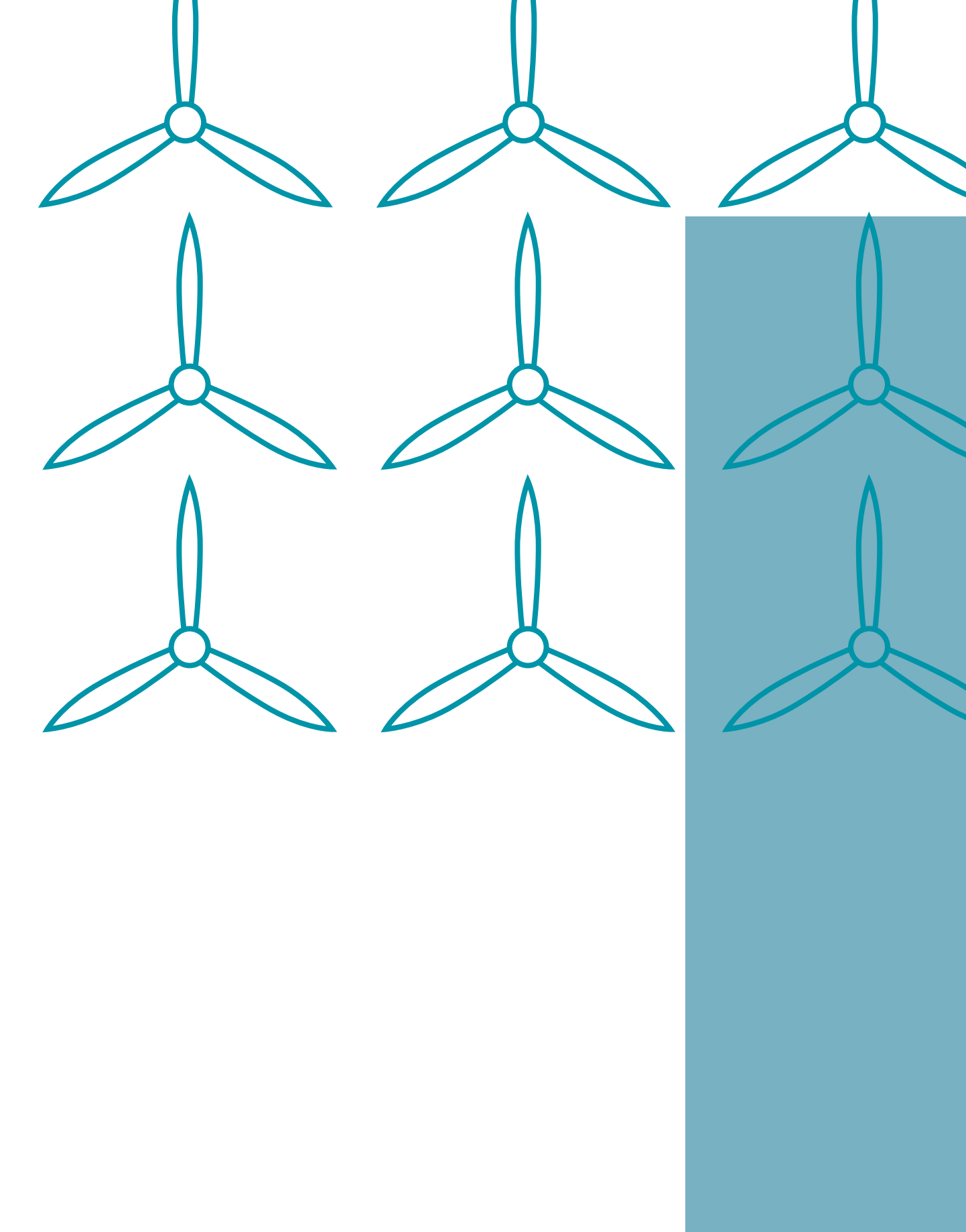
- Supporting the Alyth Youth Partnership to provide weekly activities for young people. (Pictured right)
- Creating Kirkmichael Community Garden promoting home grown vegetables.
- Providing a weekly lunch club for the elderly in Alyth.



Sustainable Development Fund Perth & Kinross

- Installing an air source heat pump, underfloor heating and solar PV on community learning hub.
- Supporting an employability programme for autistic young adults. (Pictured left)





Keeping in touch

Our ambition is to work collaboratively with our stakeholders during the development, construction and operation of our assets, so that as many areas as possible can benefit positively from our proposals.

We know that there is no one size fits all approach when it comes to working with the communities in which we work. That is why we seek to make ourselves as accessible as possible.

Your dedicated SSE Renewables Stakeholder Engagement Manager Pauline Allison will look to keep the community up to date through the construction stages by:



Community Liaison Groups

Setting up regular meetings with community representatives to discuss the project and upcoming activities.



Email Updates

We will provide regular updates on the progress of the project.



Project point of contact

Pauline Allison will be available by phone for any questions you might have relating to the project.



Website

Providing project information and milestones, such as turbine deliveries.



Building links with local schools

Engaging with the future workforce.



Newsletters

We will share regular updates from the project and community engagement.



Face to face chats

Being based in Central Scotland allows the opportunity to sit down for a cuppa and blether.

Pauline Allison
Stakeholder Engagement Manager

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