ScottishPower Renewables

Whitelee Windfarm Repowering

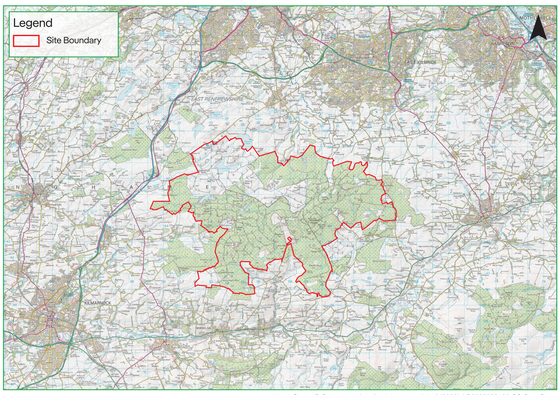
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Welcome to the Whitelee Windfarm Repowering Public Information Event

The Proposed Development

ScottishPower Renewables (SPR) is proposing to repower our operational Whitelee Windfarm site. Whitelee Windfarm is located on Eaglesham Moor, approximately 1.5 km south of Eaglesham, 15 km south of Glasgow, and 6 km south-west of East Kilbride. The Whitelee Windfarm Site is located across three local authority areas: East Ayrshire, East Renfrewshire, and South Lanarkshire.



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Currently, Whitelee Windfarm hosts 215 wind turbines, with tip heights ranging from 100 m to 140 m, making Whitelee the largest onshore windfarm in the United Kingdom. Whitelee Windfarm currently has a generating capacity of up to 539 megawatts (MW), as well as 50MW of battery storage.

The proposed Whitelee Windfarm Repowering is anticipated to have approximately 124 wind turbines, with blade tip heights up to 250 m. The installed generating capacity of the repowered scheme is anticipated to be around 1 GigaWatt (1000MW).

The Indicative Layout

An indicative wind turbine layout has been developed for scoping of the Environmental Impact Assessment (EIA) requirements for the proposed repowering of Whitelee Windfarm. This requires a Scoping Request to be made to Scottish Government's Energy Consents Unit (ECU), who, in consultation with consultees such as the host local authorities, SEPA and NatureScot will obtain feedback on the proposed EIA methodology. A Scoping Request was made to the ECU in July 2026.

The indicative wind turbine layout has been designed to maximise energy generation potential whilst considering the environmental constraints that are known from the windfarm's existing operations, public data, early-stage desktop studies and field surveys. The indicative layout is part of today's exhibition.

The indicative layout will be refined through the EIA process as SPR gather survey data and receive consultee and community feedback. As the design progresses, another round of public information days will be held, to present the updated proposals to the public.

Email us at:
Whiteleerepowering@scottishpower.com

Write to us at:
Whitelee Windfarm Repowering Project Team,
ScottishPower Renewables,
9th Floor ScottishPower HQ,
320 St Vincent Street,
Glasgow, G2 5AD

Visit Our Website

www.scottishpowerrenewables.com

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Whitelee Windfarm Repowering is a ScottishPower Renewables (SPR) Project

About Us

ScottishPower Renewables (UK) Limited (SPR), is part of the ScottishPower group of companies operating in the UK under the Iberdrola Group, one of the world's largest integrated utility companies and a world leader in wind energy. ScottishPower now only produces 100% green electricity – focusing on wind energy, smart grids and driving the change to a cleaner, electric future. The company has committed to investing over £18 million every working day to make this happen and is committed to speeding up the transition to cleaner energy generation, electrifying transport and improving air quality to deliver a better future, quicker, for everyone.

Find out more about SPR

SPR is at the forefront of the development of the renewables industry through pioneering ideas, forward thinking and outstanding innovation, and already has over 40 operational windfarms managed from its world-leading Control Centre at Whitelee Windfarm, near Glasgow. SPR stands as a distinguished innovator, industry leader, and environmental investor.

What is Repowering?

As a long-standing renewables developer, we are coming full circle at our oldest windfarms as the turbines come to the end of their operational life.

The legacy those projects leave goes way beyond the power they've generated over the years. We've been able to create local jobs and support our sector's supply chain, to drive positive economic contribution at a local and national level, have been a part of exploring the latest technological advances and approaches and all whilst working closely with the communities where we operate.

The exciting part is that when turbines on some of our sites reach the end of their original operational lifespan, it doesn't mean the end of the windfarm. Through life extension works or repowering, we have the opportunity to maximise the potential of these established sites. By replacing older turbines with modern, more efficient technology, we can continue generating clean, renewable energy while building on the positive legacy these projects have already created for local communities, the economy and the wider energy transition.

SPR Repowering

What are the benefits?

- Increased electricity generation **= increased security of supply**
- Building & maintaining new assets **= jobs and supply chain opportunities**
- Greater installed capacity **= more community benefit funding to share**
- New technologies available **= increased efficiency**
- Repowered site **= further investment in ecology and the local environment**
- Old assets **= sustainable resources for research & training, recycling and reuse opportunities**

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Delivering for the Community

As a responsible developer and operator of renewable energy schemes, SPR believes the benefits of our projects should be shared with the communities in which we work.

To date, SPR's operational onshore windfarms have contributed over £80 million to communities across the United Kingdom. To date, Whitelee Windfarm has provided over £21million to fund over 600 projects across East Renfrewshire, South Lanarkshire and East Ayrshire Council areas.

The funding has been used to support access to education, community activities and deliver energy efficiency measures. Community Transport (Strathaven) received funding to pilot a free shuttle bus service linking East Kilbride town centre with the college campus, Newmilns' Snow and Sport Complex, Peak Park, used this to replace the beginners' slope and Eaglesham Bowling Club to install energy efficiency measures including solar panels.

Find out more about SPR Community benefit

The Whitelee community benefit fund also employs three Whitelee Countryside Rangers to deliver a range of visitor activities on site. Over 2025/2026, the Rangers hosted over 130 events involving nearly 4,000 participants, from health walks to children's 'Boggy Beasties' nature sessions.

The repowered windfarm will provide a community benefit fund of £5,000/MW installed, index linked over the operational life of the windfarm, in line with 'Scottish Government Good Practice Principles for Community Benefits from Onshore Renewable Energy Developments.'

In addition, SPR have also committed to offering the community the opportunity to invest in the repowered windfarm, please speak to a member of our team to register your interest.

Advice on community benefit and shared ownership opportunities can also be sought from Local Energy Scotland.

Find out more about Shared Ownership Projects

We are keen to understand your expectations when repowering Whitelee Windfarm:

- **What long term sustainable benefits should the new community benefit fund deliver for your local community?**
- **How do you believe the fund would be best managed?**
- **Would your community be interested in an opportunity to invest in the windfarm?**

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Planning Application Process

SPR are at the pre-application stage and have consulted the Scottish Government's Energy Consents Unit (ECU), the three local authorities across which Whitelee Windfarm is located, and other key consultees such as SEPA and NatureScot. This covered a range of planning and environmental matters.

SPR are also carrying out pre-application community consultation events, including this one, to update local communities on the project and seek feedback.

In July 2026, a Scoping Request for the Environmental Impact Assessment (EIA) of the Whitelee Windfarm Repowering Project was submitted to the ECU. As part of the EIA process, the Scoping Request outlines our proposed approach and seeks agreement with consultees on the scope of the EIA (such as what environmental topics need to be considered, and methodologies to be used). A Scoping Opinion, summarising the consultee scoping responses, is expected to be received from the ECU in Autumn 2026.

Following completion of the scoping stage, and confirmation of the expectations of key consultees, environmental survey and assessment work will continue until Autumn 2027, with the majority of this work expected to conclude by early summer 2027.

As the EIA progresses, the Whitelee Windfarm Repowering Site layout will continue to evolve, accounting for environmental considerations and feedback received from stakeholders, including the public. Further public information days will be held in mid-2027 to explain how the project has evolved during the EIA and consultation.

The results of the EIA will be presented in a full EIA Report, which will be submitted as part of the application for consent to the Scottish Government's ECU.

SPR are aiming to submit the application for consent, including the EIA Report, in late 2027. Upon receipt of the application, the Scottish Government's ECU will start the formal application determination process.

- Feasibility Study
- Commence Environmental Surveys
- Initial Stakeholder Consultation
- Scoping Request (including developing an indicative turbine layout)
- ★ 1st Round Community Consultation
- Continued Survey and Assessment Work
- Next Site Layout Iteration
- 2nd Round Community Consultation
- Final Site Layout reached
- Preparation of an EIA Report
- Submission of Whitelee Windfarm Repowering Application to ECU
- ECU Assessment of Application
- Decision by ECU

★ Current Stage

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Environmental Considerations

The following key environmental topics will be assessed by third-party experts during the Environmental Impact Assessment (EIA) process and findings documented in the EIA Report. This will ensure a thorough examination of the potential environmental effects of Whitelee Windfarm Repowering and its alignment with applicable legislation, policy, regulatory requirements and best practice.

Peat, Hydrology and Hydrogeology

This assessment will consider the potential effects that Whitelee Windfarm Repowering may have on peat, hydrology and hydrogeology. Field surveys will be carried out to confirm baseline conditions, such as peat depth and condition, watercourses, Groundwater Dependent Terrestrial Ecosystems, private water supplies and the presence of any other sensitive receptors.

Potential effects arising from the proposed Whitelee Windfarm Repowering on identified sensitive receptors, will then be assessed. Where necessary, measures to avoid or minimise adverse effects will be incorporated into the project's design and layout. Any remaining effects after these mitigation measures have been applied, known as residual effects, will be evaluated to determine their significance, and presented in the EIA Report.

Ecology

The ecological assessment will consider potential effects associated with ecology (habitats and non-avian animal species) arising from the construction and operation of the proposed Whitelee Windfarm Repowering. A number of surveys will be undertaken to inform the assessment which include habitat surveys, protected mammal surveys (including bats) and aquatic surveys.

Infrastructure from the existing operational Whitelee Windfarm, that would not be required for the repowered scheme, would be decommissioned and the land restored. In addition, ScottishPower Renewables (SPR) will seek to offset any habitat loss resulting from construction activities, through the creation and / or restoration of appropriate habitats, supported by a biodiversity enhancement scheme. Any remaining effects after mitigation measures have been applied, known as residual effects, will be evaluated to determine their significance, and presented in the EIA Report. An outline Habitat Management Plan (HMP) will be prepared as part of the assessment to address any relevant ecological effects the Proposed Development may have.

Ornithology

Ornithology surveys for Whitelee Windfarm Repowering were undertaken at the Site between 2023 and 2025. This data will be supplemented with data from annual ornithology monitoring surveys undertaken as part of the Whitelee Windfarm Habitat Management Plan (HMP) since 2006. These data, along with historical and publicly available information, will be used to assess the potential effects of the proposed Whitelee Windfarm Repowering on features of ornithological interest.

Typical features of ornithological interest are:

- Designated sites, such as Special Protection Areas, Ramsar sites, Site of Special Scientific Interest, and national and international protected species.

The assessment of potential effects to ornithology features will include consideration of:

- collision risk
- disturbance of species
- loss of habitat

If significant effects are predicted, mitigation measures will be proposed to reduce these potential effects. These may include adjusting the location of proposed infrastructure, restricting certain construction activities during sensitive time periods, enhancing habitats, and/or implementing long-term management plans.

An assessment of any residual effects will also be carried out, with their significance determined, and presented in the EIA Report.

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Environmental Considerations (cont.)

Noise

This assessment will consider the potential effects of noise on nearby residential receptors during the construction and operation of the proposed Whitelee Windfarm Repowering. The assessment will model how much noise may be experienced at nearby homes and other noise-sensitive locations and determine whether these would be above or below established noise limits.

The assessment of noise from decommissioning (of existing turbines) and construction activities will identify any periods when noise levels may exceed guidance, taking into account the rural character of the area. The aim is to determine whether specific noise management measures are needed, and if so, what types of measures would be appropriate to keep noise within acceptable levels.

For operational noise from wind turbines, predicted noise levels will be calculated and compared with noise limits set by recognised standards and guidance. The assessment and any necessary mitigation measures will also consider other planned and existing windfarms near the Site, to predict any potential cumulative noise experienced at nearby receptors.

Cultural Heritage and Archaeology

This assessment will consider the potential effects of Whitelee Windfarm Repowering on archaeology and cultural heritage assets. During construction, potential effects may include direct physical disturbance to previously unknown buried archaeological remains. The operational phase effects will be those that affect the setting of archaeological and heritage assets.

The assessment will include a review of existing records; consultation with key authorities such as Historic Environment Scotland (HES), Site walkover surveys, and viewpoint analysis.

An assessment of any residual effects will also be carried out, with their significance determined, and presented in the EIA Report.

Site Access, Traffic and Transport

Predicted vehicle movements associated with decommissioning of the existing wind turbines, construction of the repowered windfarm and then operation, will be assessed to quantify the potential effect on the public road network and the significance of any associated effects such as:

- disruption to road access
- vehicle delays
- hazards from large loads

It will determine whether any mitigation beyond standard construction good practice methods is required, and will guide traffic management planning requirements for the proposed Whitelee Windfarm Repowering. Any residual effects will have their significance determined and presented in the EIA Report.

Aviation

Both Glasgow Airport and Glasgow Prestwick Airport are within 25km of Whitelee Windfarm. Communication is ongoing with them and other aviation stakeholders such as NATS, in order to understand how the taller wind turbines proposed for Whitelee Windfarm may affect aviation receptors.

Should any mitigation be required in order to avoid adverse effects on aviation receptors and infrastructure, this would be agreed with the relevant aviation stakeholders.

Forestry

The Whitelee Windfarm Repowering Site includes large areas of forest, some of which is commercial forestry managed by Forestry and Land Scotland. The majority of the forested areas within the Site are commercial in nature and therefore are scheduled for felling and restocking on an ongoing basis. It is anticipated that Whitelee Windfarm Repowering will require some felling of forested areas, in order to facilitate new infrastructure (such as tracks and wind turbines). The extent of felling required will depend on the final Site layout, however the EIA Report will consider the potential effects from the loss of this habitat. The EIA will also set out the amount of forest that would be restocked following construction, and any new planting that may be required in order to compensate for the felling.

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Landscape and Visual Amenity

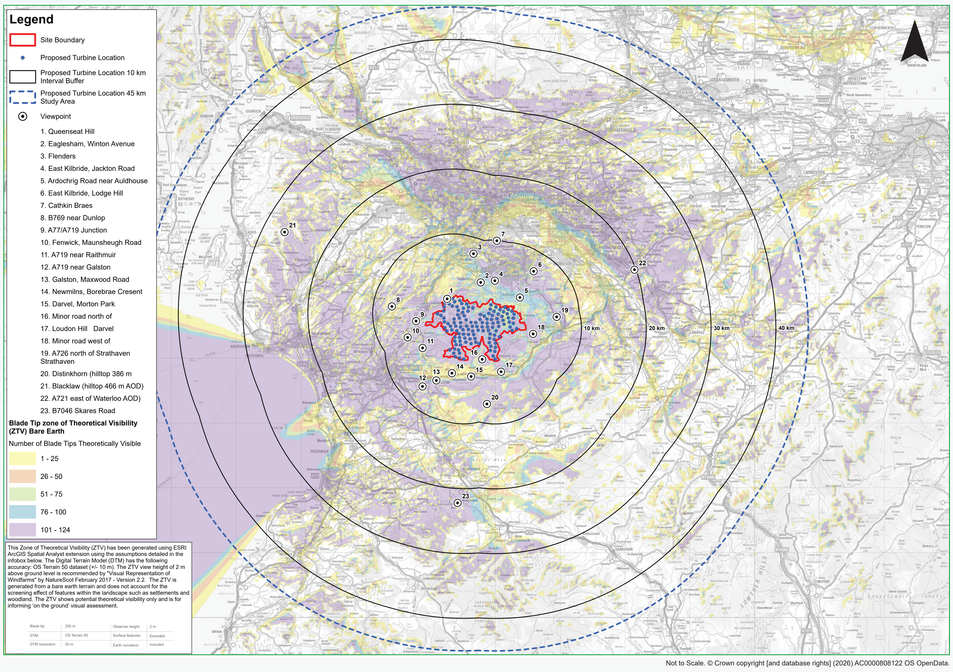
A landscape and visual impact assessment (LVIA) will record the potential significant effects that the proposed Whitelee Windfarm Repowering may have on the landscape character, landscape areas that have been designated for their scenic or landscape-related qualities, and views from various settlements, transportation routes and other sensitive locations.

A landscape architect will be providing layout and design advice on these matters, such as advising on the height and position of wind turbines, and undertaking the LVIA for Whitelee Windfarm Repowering. The LVIA will include assessment of:

- Landscape character and designations within 20 km of the proposed Whitelee Windfarm Repowering;
- Visual effects from representative viewpoints agreed to illustrate the views from recreational routes, locations and residential areas;
- Effects on views from nearby residential properties and settlements;
- Views from vehicles using the local and main road networks;
- Visual effects associated with aviation warning lighting on the new turbines; and
- Cumulative effects when considered alongside other existing and proposed developments.

Fieldwork will include visits to the Site and the wider area more generally to assess potential effects on views, landscape character areas and designated landscapes.

The LVIA will be included within the EIA Report that is submitted with the application for Whitelee Windfarm Repowering.



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Zone of Theoretical Visibility of Whitelee Windfarm Repowering

The Figure above shows the theoretical visibility of the proposed Whitelee Windfarm Repowering wind turbines, across an area of approximately 45km. It also identifies the viewpoints that have been proposed for the LVIA. These viewpoints will form the basis of the assessment and are the locations from which photomontages will be produced and included in the EIA Report.

Visualisations from a selection of viewpoint locations are displayed on boards at the event today. Some of these viewpoint visualisations are spread over multiple boards due to the wide field of view.

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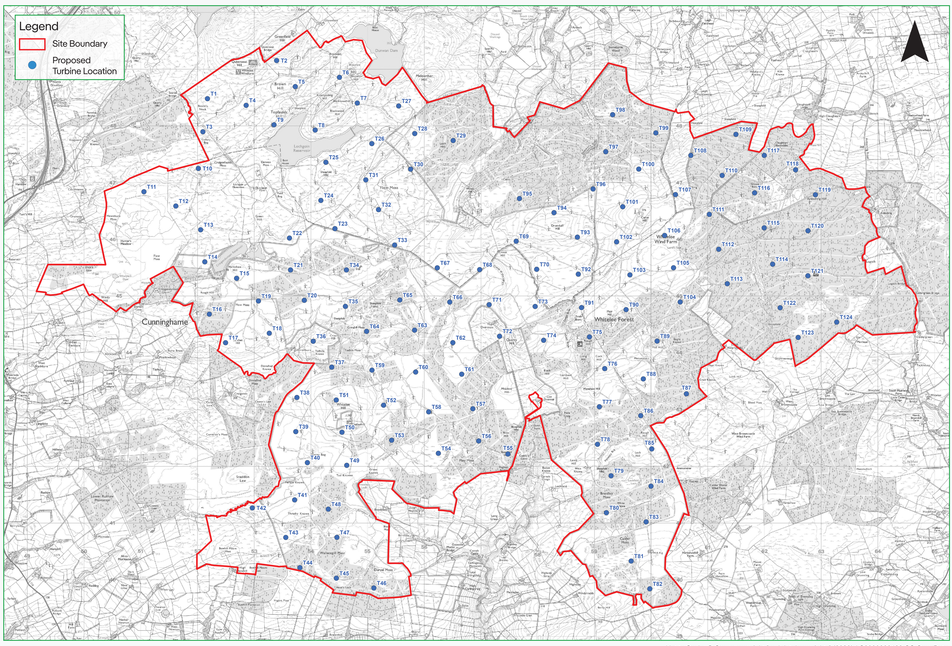
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Whitelee Windfarm Repowering Indicative Wind Turbine Layout



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This shows the current indicative wind turbine layout for Whitelee Windfarm Repowering. The Site layout will change between now and summer 2027, as survey, consultation, and assessment work feeds into the design process.

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Environmental Sustainability

Onshore wind is one of the most sustainable ways to generate electricity and is essential to combatting climate change. As a company committed to sustainability, SPR ensures it is at the heart of our decision making. That's why we have signed up to the Science Based Targets initiative, committing to clear, public, and measurable decarbonisation targets that align with limiting global warming to 1.5°C above pre-industrial levels. As part of this commitment, we aim to achieve net zero greenhouse gas emissions by 2039. We also published our Strategy, Action 2030, which sets out our ambitious sustainability targets and what we are doing to achieve them.

Sustainable Development Strategy - Action 2030





We've highlighted some of our progress to date, and how our best practice approach will be implemented on Whitelee Repower.

- We are moving towards the use of lower emission fuels for vehicles and plant we use on site. This includes the use of solar powered welfare units, electric vehicles and solar panels mounted on the roof of a few of our control buildings.
- We have also been using lower emission fuels (such as hydro treated vegetable oil) for the use in back-up generators as required during site outages.
- Working with our supply chain to support decarbonisation of their activities. On a recent repowering project, our main contractor committed to reduce greenhouse gas emissions through construction. Examples of measures they took included solar powered welfare facilities, recycling of timber and dry recyclables, reuse of all excavated materials on site, procurement of high-recycled content construction materials and use of hybrid plant to reduce fuel demand.

We aim to re-use and recycle 100% of our turbine blades

Turbine blades are made of fibre glass or carbon fibre, which is a challenging material to recycle. To address this, we have been working with the supply chain and investing in R&D to develop solutions ahead of our projects being repowered. In 2025, we repowered our Hagshaw Hill windfarm and recycled 100% of the turbine blades with a recycling company. Not only did we recycle 100% of the turbine blades , but we reused and recycled 99.9% of the turbine components overall. We retained spare parts for use on our other operational windfarms and mounted a nacelle and gear box at our training centre to help train the next generation of engineers.



In addition to recycling 100% of our turbine blades, we aim to send zero waste to landfill from 2030. Achieving a 99.9% recycling and reuse rate of the Hagshaw turbines shows we are well on our way.

On another of our projects, Barnesmore in Northern Ireland, we sent six blades to a specialist repurposing company, who transformed them into useful structures for the local community, including picnic benches for schools and the council.

Environmental Protection during construction and operations

LRQA CERTIFIED ISO 14001

Our ISO 14001-accredited Environmental Management System ensures robust environmental governance throughout the entire lifecycle of our projects. We have a dedicated team of environmental professionals whose role is to ensure that environmental protection is embedded within every stage of decision-making.

SPR Environmental Policy

Did you know that each project is supported by an Environmental Management Plan, which sets out the measures required to avoid, mitigate, and manage potential environmental impacts and incidents? Over more than 20 years of construction experience and operations, we have developed mature management systems that manage our activities and help minimise environmental incidents, ensure effective response and management when issues do arise, and drive a culture of continuous improvement across our activities.

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SPR Ecology

SPR have a strong track record of delivering Habitat Management Plans (HMP's) at scale and going above and beyond prevailing requirements. As part of the existing Whitelee HMP, SPR has restored over 1100 hectares of degraded peatland. These peatland habitats had been degraded through a legacy of agriculture and commercial forestry and through innovative restoration techniques, SPR has restored large areas to functioning peatland which has, in turn, enhanced the biodiversity value of the site.

Due to this work at Whitelee (and other SPR windfarms) SPR was awarded the Sustainable Development Award at the 2016 Nature of Scotland Awards for innovative peatland restoration work.

Annual vegetation monitoring surveys are undertaken as part of the HMP to inform any management works necessary to maintain the restored peatland. In recent years, these have involved the removal of regenerating non-native conifer trees from restored areas of peatland.

Additionally, SPR is voluntarily participating in the BIOSCAN project, a five-year, UK-wide initiative using DNA barcoding to study one million flying insects collected from 100 monitoring sites, one of which is Whitelee Windfarm. As the only renewable energy developer participating in the project, ScottishPower is helping to create a vital national baseline of insect biodiversity that will support long-term environmental monitoring and demonstrate its commitment to understanding and enhancing biodiversity across its sites.

The same dedicated, industry-leading commitment to ecology and biodiversity will be taken for Whitelee Windfarm Repowering.

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