South Kyle II Wind Farm

Pre-application community consultation

Appendix C

Exhibition materials and feedback survey from first round of consultation (Autumn 2022)

Confidentiality class: C1 - Public

- Exhibition boards visuals presented at exhibitions
- FAQs document published on project webpage
- Feedback survey





South Kyle Wind Farm

Welcome to the first round of community consultation on Vattenfall's proposals for South Kyle II Wind Farm

Thank you for taking the time to visit and find out more about our proposals. We look forward to taking your questions and feedback.

Your feedback matters

Vattenfall's proposals for South Kyle II are in development. Before we finalise our plans and submit them for planning consideration, we are keen to hear the views of local people. Together with extensive environmental data, your feedback will help us design the best wind farm we can.

Please take a look at the information in this exhibition, ask questions, make suggestions and tell us your thoughts.

Vattenfall: maximising local opportunities as we build a fossil-fuel-free future

If you're from the Doon Valley or New Cumnock areas, you may already know of Vattenfall. Since mid 2020, we have been building South Kyle Wind Farm and creating local jobs, boosting local businesses and supporting local initiatives whilst working hard to minimise disruption, engage with young people and work closely with communities to build a bespoke community investment fund.

Across the UK, Vattenfall's £3.5billion-worth of onshore and offshore wind projects generate enough home-grown renewable electricity to power 800,000 homes – with more renewable projects in the pipeline, all designed to make fossil-fuel-free living possible within one generation.

About Vattenfall

- One of Europe's leading energy companies
- · Owned by the Swedish state
- Powering homes and industry for over 100 years





The red line boundary on the map above indicates the location of the site

Introducing South Kyle II Wind Farm

Located to the east of Dalmellington, South Kyle II is a new project with the potential to generate renewable electricity, enhance community investment, protect natural habitats and deliver economic benefits to the local economy.

Adjacent but distinct from Vattenfall's South Kyle Wind Farm, South Kyle II lies within an area of upland commercial forestry in a landscape characterised as Southern Uplands with Forestry. The site has long been identified as suitable for wind power generation.

As of October 2022, Vattenfall's proposals for South Kyle II Wind Farm include up to 9 turbines with associated infrastructure and battery storage.

Proposed number of turbines	Up to 9
Proposed turbine height	Up to 200m tip height
Total installed capacity	Around 67MW
Average annual homes powered equivalent	Around 60,000*
Equivalent reductions in CO2 each year	Around 145,000 tonnes*
Estimated project life	30 - 40 years
Estimated community benefits value	£10million over 30 years, or £13.4m over 40 years
Status	Pre-planning application

^{*} https://www.renewableuk.com/page/UKWEDExplained

Background

Vattenfall began considering the potential for South Kyle II in 2021. In February 2022, we informed the Scottish Government of our intention to conduct an environmental assessment based on an initial 17 turbine layout. At this point, we published details, informed local stakeholders, and consultees were invited to feedback. Responses from all parties have been considered, and as we commenced the environmental impact assessment, we also got in touch with those who live closest to the site boundary.

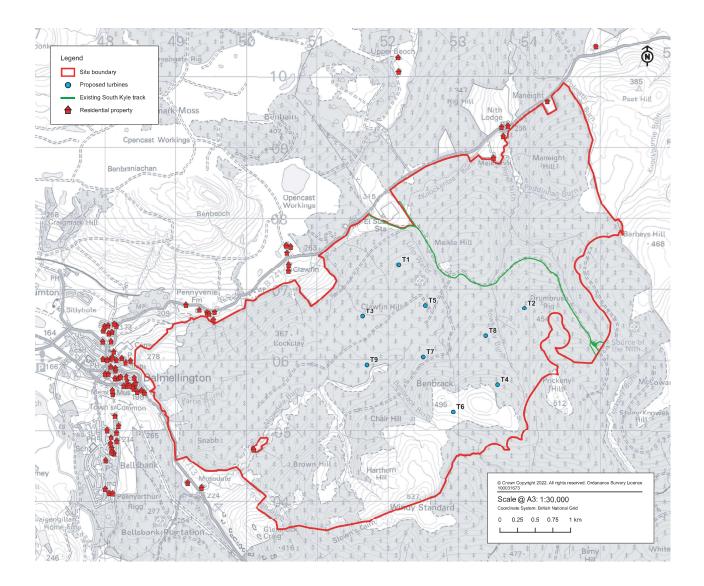
The site design evolves

Since publishing our initial plans, Vattenfall's design team has been assessing environmental data and considering initial feedback. From this, we refined the proposal to the one presented in this exhibition today.

To reduce impacts on nearby residential properties, the number of turbines proposed has been lowered to a maximum of 9, each no more than 200m tip height, and the footprint of the proposed wind farm has decreased accordingly.

Although smaller, and with a reduced potential generating capacity, we are confident this revised design balances the need to produce more renewable electricity and protect the environment with the needs and aspirations of local communities. We want Vattenfall wind farms to be as effective and efficient as they can be, ensuring optimal generation of vital fossil-free electricity whilst maximising benefits for community investment, delivering positive environmental and socio-economic impacts, and minimising adverse effects.





The proposed layout

You are looking at the current iteration of Vattenfall's design for South Kyle II Wind Farm. This represents the scheme at its greatest possible extent - up to 9 turbines.

Before a planning application is submitted, wind farms go through a variety of design iterations. These are based on a broad range of constraints which often only become fully apparent as environmental surveys are conducted and local feedback is gathered.

In developing the plans illustrated here today, and determining where best to site potential turbines, we have taken into consideration a number of factors such as slope, distance from water courses, known areas of deep peat, presence of sensitive species and wildlife, potential impact on radio communications and aviation, and how the wind farm may look within the broader landscape.

The potential impact on residential properties nearest to the site boundary has been a particularly important consideration, leading to reduction of the wind farm size by almost a half.¹

¹ In the next exhibition we will map the internal site design in greater detail for you.

A separate, new wind farm

Although adjacent and similarly named (after the pre-existing forest), South Kyle II and South Kyle wind farms are two distinct and separate projects by Vattenfall.

With 50 turbines, South Kyle Wind Farm is due to complete its three year build programme and become fully operational in 2023.

South Kyle II would be a separate wind farm (not an extension) with its own planning application and consent decision.





Pen y Cymoedd Wind Farm in South Wales

Powering a fossil fuel free future

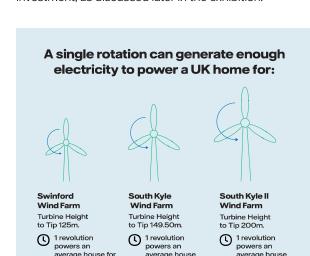
The proposed design of South Kyle II Wind Farm reflects significant changes in the onshore wind industry in recent years, including advances in technology and refreshed climate change targets.

Taller, more efficient turbines

South Kyle II proposes turbines of up to 200m in tip height.

Technological advances will allow these next generation turbines to produce much more electricity with each rotation. This means South Kyle II Wind Farm can remain a relatively small project in terms of turbine numbers, whilst still making a significant contribution to homegrown renewable electricity.

This level of installed capacity - by which a wind farm's potential output is measured - will also have a positive impact on South Kyle II Wind Farm's community benefits investment, as discussed later in the exhibition.



Climate emergency and energy policy

Our climate is changing. Carbon dioxide levels in the air are at their highest in 650,000 years¹ and 19 of the hottest years on record globally have occurred since the year 2000².

In 2019, the Scottish and UK Governments each declared a "climate emergency" and set legally binding greenhouse gas emissions targets – with Scotland targeting 'net zero' by 2045 and the UK by 2050. To achieve these targets, transport, heating and industry will need to become increasingly electrified, meaning demand for electricity could double by 2050³.

Meanwhile, global events of the last year have brought into sharp focus the importance of energy security and producing enough home-grown power to meet our current and future needs.

The UK (and Scotland specifically) has the best wind resource in Europe and onshore wind is one of the most established technologies, with 14GW already built in the UK⁴. New onshore wind is now the cheapest way to generate electricity and it is estimated that by 2030, 30GW of onshore wind will be required across the UK to meet our climate targets at the lowest cost to the consumer. Sites like South Kyle II could play an important role in this transition to a greener, low-carbon economy.

- ¹ https://scrippsco2.ucsd.edu/faq.html
- $^2\ https://climate.nasa.gov/vital\text{-signs/global-temperature}$
- ³ www.legislation.gov.uk/ukpga/2008/27
- www.gov.scot/publications/onshore-wind-policy-statement-refresh-2021consultative-draft/pages/3/





Melanie Blayney at the mural painted by local volunteers at Penderyn Community Centre. Image by Michael Hall.

Benefits to community

Your community benefits

If approved, South Kyle II Wind Farm has the potential to generate local employment and business, as well as environmental protection and improvements alongside producing local electricity.

The wind farm will also generate what's known as 'community benefits' for the local area, the value of which will be based on current Scottish Government guidance of £5000pa per MW of installed capacity.

Based on the current proposals for South Kyle II, this equates to funding for local communities of around £10million over 30 years or, if a 40 year lifespan for the wind farm is achievable, £13.4million.

Vattenfall will also be offering shared ownership and will be happy to explore this further with interested community representatives.

In recent years local communities have been guiding their community benefits towards things that help build their resilience. In the face of rising costs and climate change, this includes sustainable transport schemes, insulating and retrofitting property and developing small scale renewables on local community assets amongst other ideas

Community Benefit can be transformative for local communities and can enable them to explore what they can do and change with a long term income.

These voluntary contributions can take many forms and should be used to deliver meaningful benefit aligned with agreed community needs.

For example, the Vattenfall Unlock our Future fund in Aberdeenshire has a particular emphasis on helping the community address climate change. Newburgh Hall was able to embrace a more energy efficient future after two grant awards enabled the local community to buy and install air source heat pumps as well as solar and battery technology.

Meanwhile, Vattenfall's Edinbane Wind Farm on the Isle of Skye is supporting the local community group to build their community wealth, buying and running their community shop, developing walking and cycling trails as well as employing a development officer to support this and other initiatives.

Working with South Kyle II's local communities

Vattenfall works closely with local communities to understand community priorities and longer term ambitions. We seek views on how the community would like to benefit from the windfarm and work together to see that reflected in the outcomes.

Dialogue on community benefits is usually paused once our planning application is submitted and then resumed afterwards (should the proposal be consented), to make the best use of everyone's time.





Construction at South Kyle Wind Farm

Boosting your economy

As part of our strategic approach in South West Scotland, Vattenfall is committed to maximising opportunities for local jobs and businesses wherever feasible.

Our approach

With South Kyle II, we have the opportunity to build on the achievements of South Kyle Wind Farm's local approach (see image below), and continue to work closely with partner organisations to develop skills and supply lines in the local economy, creating and supporting local jobs and buying from local businesses.

Even at this early, pre planning stage, we are supporting businesses in South West Scotland - from environmental assessments to printing and community engagement.

If consented, many more local opportunities will open up during the construction period and we are keen to hear from any locally-based businesses and suppliers who wish to join our supplier directory.

There will also be further opportunities, once the wind farm is operational. In Northumberland over 250 suppliers, based in the north of England, have worked on Vattenfall's Ray Wind Farm in its first five years of operation.



Supply chain opportunities

There are a wide range of skills, services and materials required during the construction and operation of a wind farm, including:

- · Civil engineering
- Electrical works and cabling
- Quantity surveyors
- Environmental surveyors
- Crane operators and lifting plans
- Labourers and plant operators
- Haulage and transport
- · Cleaners (site offices)
- Garages (fuel, vehicle maintenance)
- Accommodation (hotels, B&Bs)

- Restaurants and local shops
- Groundworks
- Plant hire and generators
- Concrete pouring
- · Steel fixing
- · Site catering
- · Fuel and oil supplies
- Turbine technicians
- Hydro-seeding
- · Office administrators
- · Site security
- Signage

Education and skills

Children, school leavers, adults looking to retrain ... the green transition will be driven by and for people. Across the country, we work closely with education and training providers to develop the skills needed for our green economy. Here in Ayrshire, we will continue to work with partners, schools and businesses to inspire and support careers in renewables.





Your environment protected

There are a wide range of considerations when designing a wind farm to ensure that the local environment is protected and any potential impacts are minimised as much as possible.

Vattenfall designs developments to be a stimulus for biodiversity and habitat enhancements through, for example, replanting, habitat creation and bog restoration. South Kyle II is an opportunity to build on the habitat work now underway at South Kyle.

Environmental Impact Assessment (EIA)

Vattenfall is committed to the protection of nature and biodiversity. We strive to avoid and minimise impacts on the environment and ecosystems and where impacts can't be fully avoided or mitigated, we consider potential compensation and restoration measures. We also engage with stakeholders and conduct research and development to build knowledge and reduce impacts.

South Kyle II Wind Farm will be subjected to a detailed Environmental Impact Assessment (EIA) in order to identify, assess and propose mitigation for any potential impacts on the physical, natural and cultural environment.

This EIA work can often involve many hundreds of hours of field surveys and studies which are undertaken by independent experts and specialists. The areas assessed will include:

- Ecology
- Ornithology
- Aviation and radar
- · Landscape and Visual
- · Cultural Heritage
- · Hydrology, Hydrogeology and Peat
- Access Traffic and Transport
- · Noise and shadow flicker

Wildlife and habitats

Commercial forestry plantations tend to have relatively poor levels of wildlife and habitat variety. Nevertheless, we have been conducting detailed surveys to explore the ecology, ornithology, flora, fauna and overall biodiversity to ensure that we have a thorough understanding of the site and surrounding area. We will also consult with key consultees such as NatureScot and RSPB to share and review data.

Forestry

The commercial forestry on site is managed by Forestry Land Scotland (FLS) on behalf of Scottish Ministers. It is of varying ages and will be felled at the appropriate time in accordance with FLS's South Kyle II Land Management Plan (LMP). There may be some specific felling necessary for the proposed development and this would be discussed with FLS. Any felled trees would be replanted, either on site or elsewhere in the region, and native broadleaf species would be used wherever possible.

Landscape and visual

How the site looks in the landscape is of huge importance to the project team, and this is reflected in the reduction of the number of proposed turbines and the revised wind farm layout presented today. For an impression of how South Kyle II may look, please see our ZTV plans and wirelines.





Building South Kyle II

If consented, construction of the wind farm could commence in the latter half of this decade. As a responsible developer, Vattenfall will be mindful of our neighbours and any impact the build programme could have on nearby communities.

Turbine delivery route

The turbine delivery route takes careful planning as most of the turbine components require to be transported on specially designed longer vehicles which have multi-axle steering and are extendable. These vehicles usually travel in convoy and are referred to as Abnormal Indivisible Loads (AILs).

It is likely that the turbine components will arrive from the north via the A77 and A713.

Site access point

The existing southern access into South Kyle Wind Farm, off the A713 by Eriff, will be used as the access for South Kyle II Wind Farm.

Traffic assessment

In order to properly assess the suitability of the proposed turbine delivery route, as well as the potential impacts of these deliveries and other construction traffic on road users, we will undertake a transport assessment as part of the Environmental Impact Assessment (EIA) work.

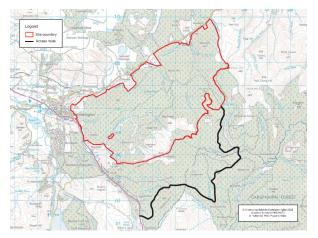
The assessment will include a visual inspection of the route, as well as traffic count and traffic flow surveys.

Should the project be consented, we would then undertake a full Traffic Management Plan which would require to be agreed with Ayrshire Road Alliance as well as with the police.

Minimising impacts

Whilst some traffic disruption during construction would be inevitable, we will seek to design the project in a way that minimises any potential disruption from construction traffic. The sort of things that we will be looking at are peak traffic times (such as school dropoff and pick up) as well as a swept path analysis to ensure that there is enough room for the longer AlLs to manoeuvre safely along the turbine delivery route.

In addition, aggregate for the construction of onsite tracks and other infrastructure would be sourced, wherever possible, from borrow pits within the site in order to reduce construction traffic within the local area as well as overall environmental impact.



The proposed access route is from the A713 and through South Kyle Wind Farm's existing southern entrance.





Your feedback and next steps

Commenting on the proposal

Your thoughts, views and ideas can help us understand what matters to you and your community. This includes specific comments on the turbine layout and overall design of the project. Please take the time to talk to our project team or get in touch with us to discuss any questions that you may have before providing feedback.

Feedback to Vattenfall on the proposal at this stage should be provided in writing. There are three ways to do this:

- Complete a 'comments form' at the exhibition events or online (on our project website)
- Email: southkyle2.windfarm@vattenfall.com
- Write to South Kyle II Project Team, Vattenfall Wind Power Limited, St Andrew's House, Haugh Lane, Hexham, NE46 3QQ.

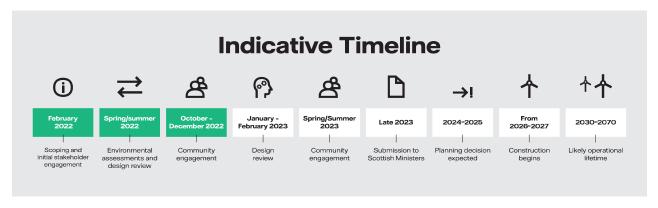
Next steps

Over the coming months we will review the comments forms received from the exhibitions and consider this feedback and information in relation to the development of the design.

We will explain how this feedback may have influenced the wind farm development or where we can't accommodate changes suggested why this is the case and for what reasons.

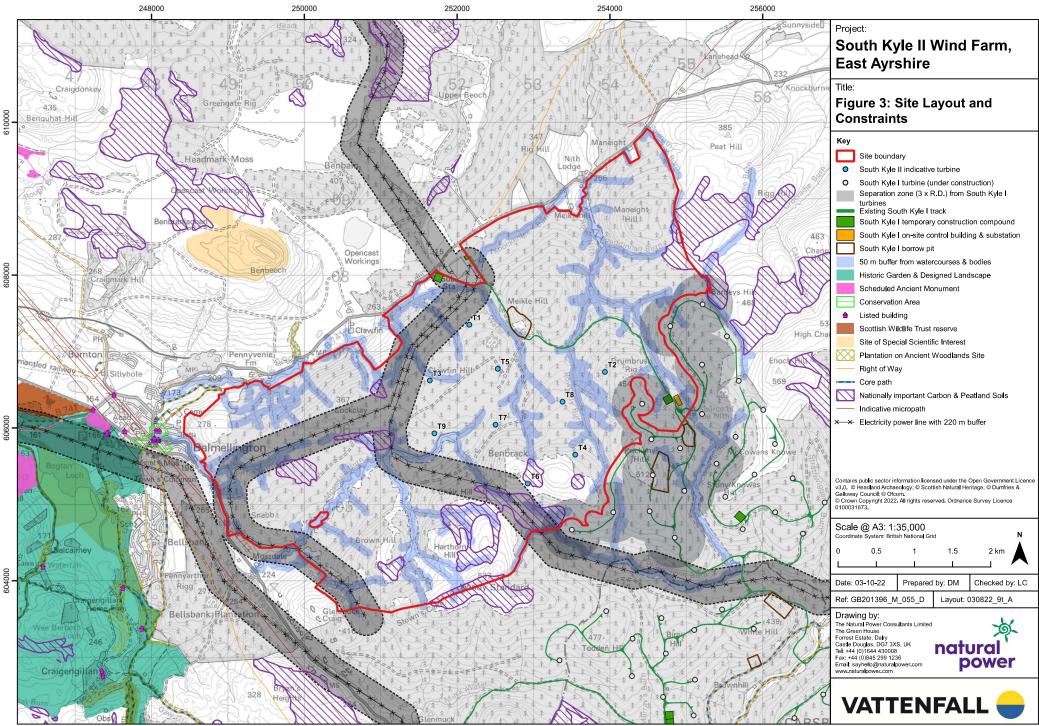
Further information about the proposal can be found on our project website at vattenfall.co.uk/southkyle2

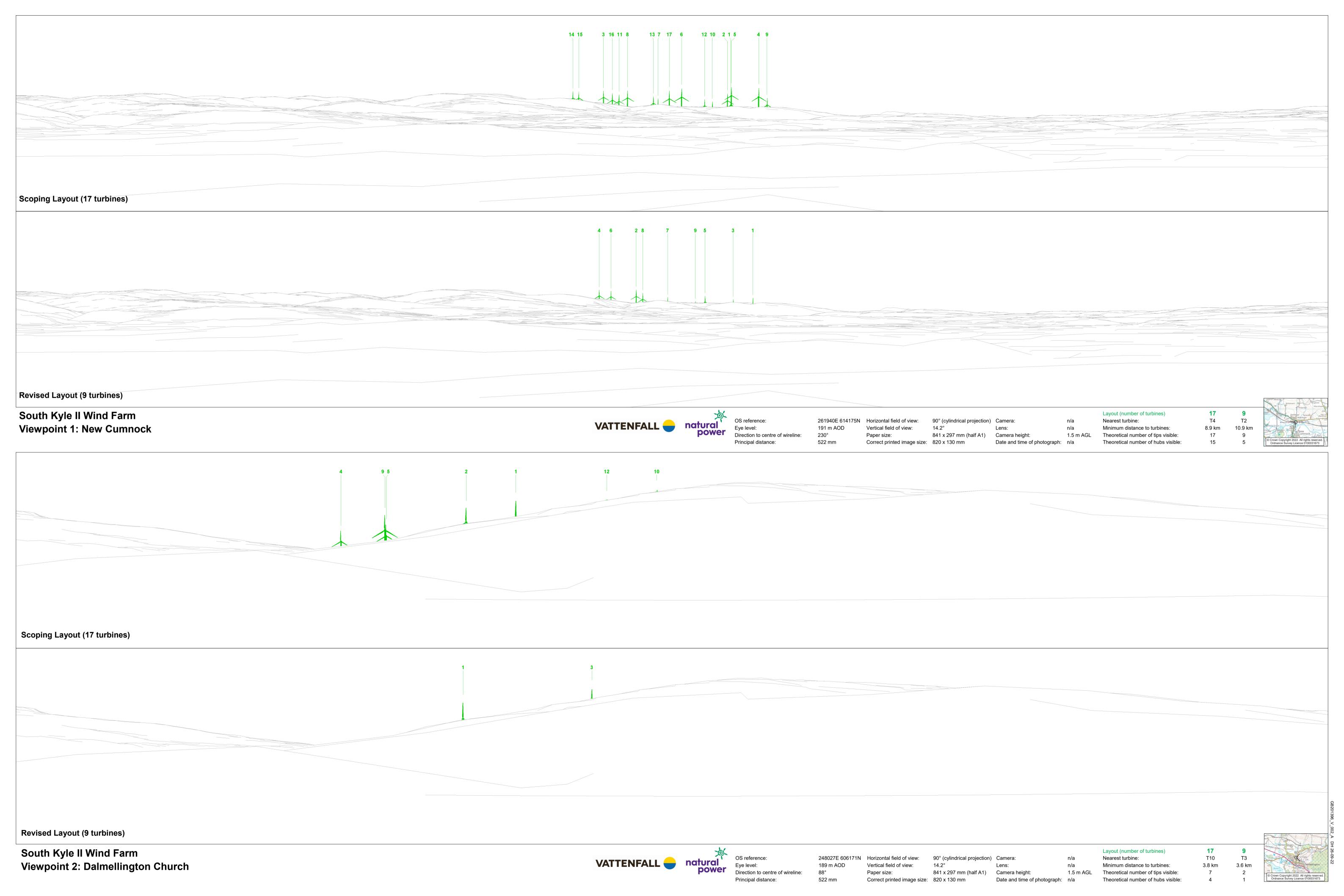
The closing date for comments to Vattenfall at this stage in the project is Friday 23 December 2022. Any comments submitted at this time are not representations to the determining authority (Scottish Government). Should a formal Section 36 application for consent be submitted for this proposal there will be an opportunity at that time for people to submit formal comments to the determining authority.

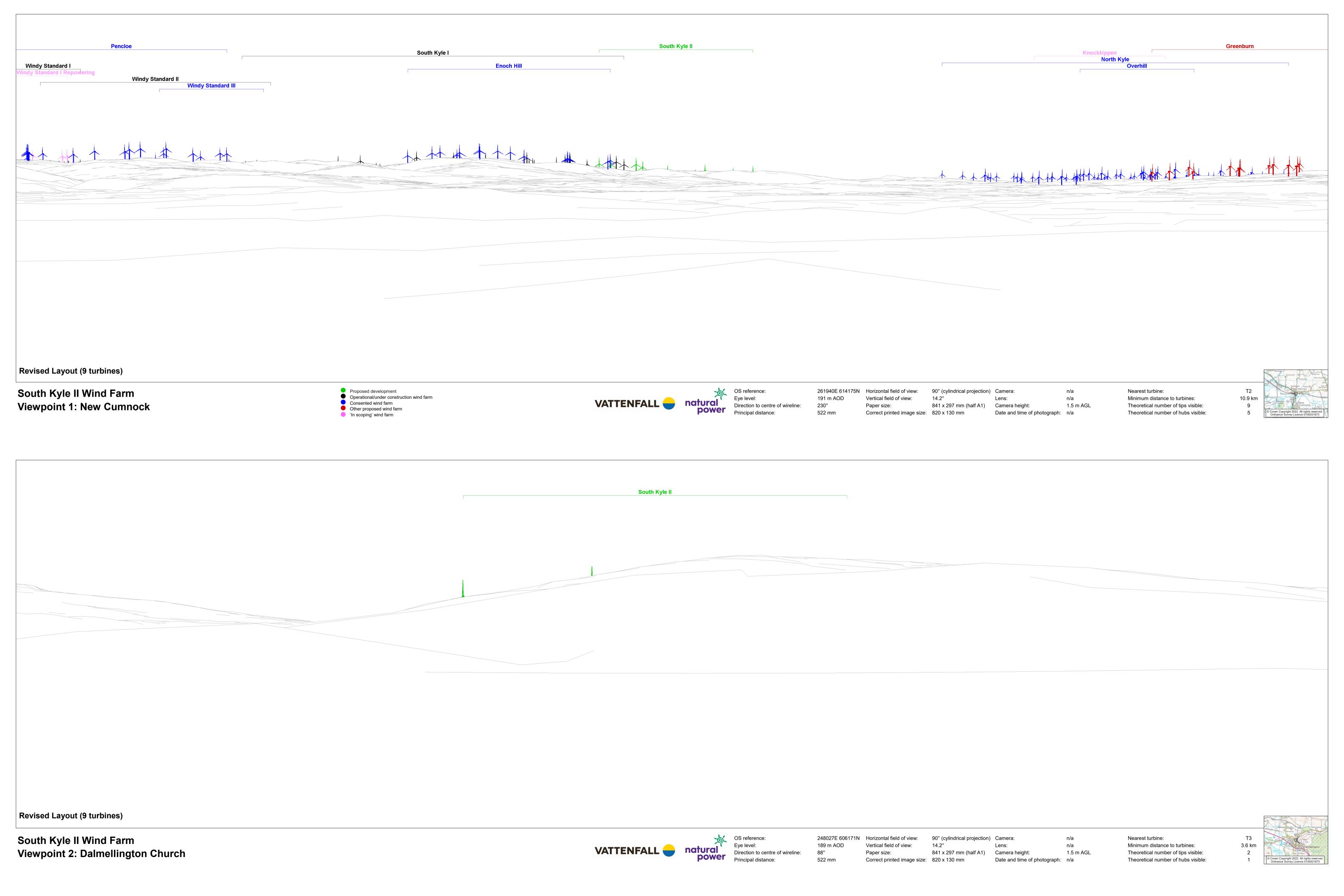


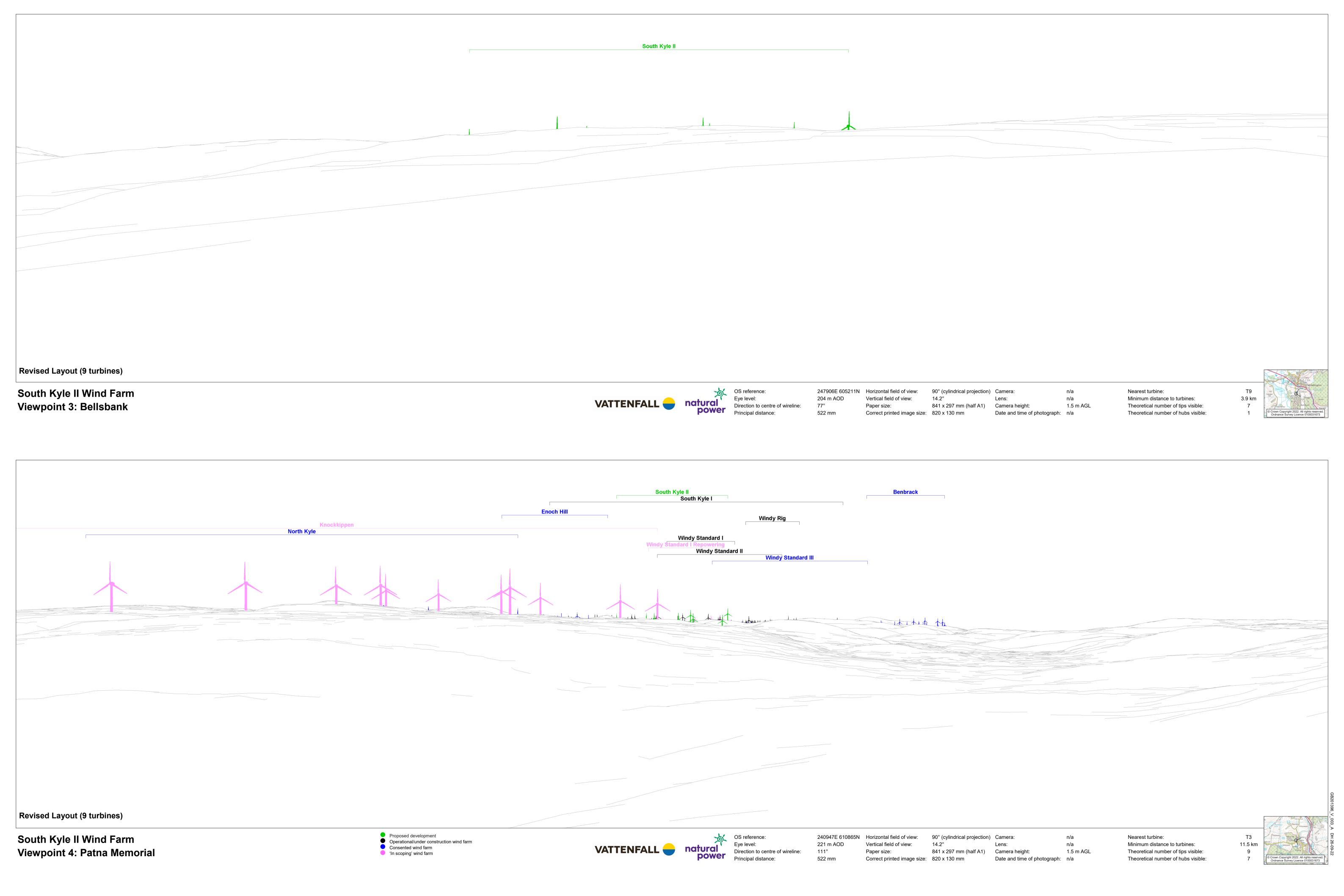
Whilst there are many factors which could affect the progress of the proposal, the above is an indication of what the timeline might be. Throughout this, local engagement will continue with opportunities for individuals and communities to submit questions, views and suggestions both to ourselves and the relevant authorities prior to any planning decision being taken. Should the proposal proceed, we will continue to engage with local communities and work closely with stakeholders.

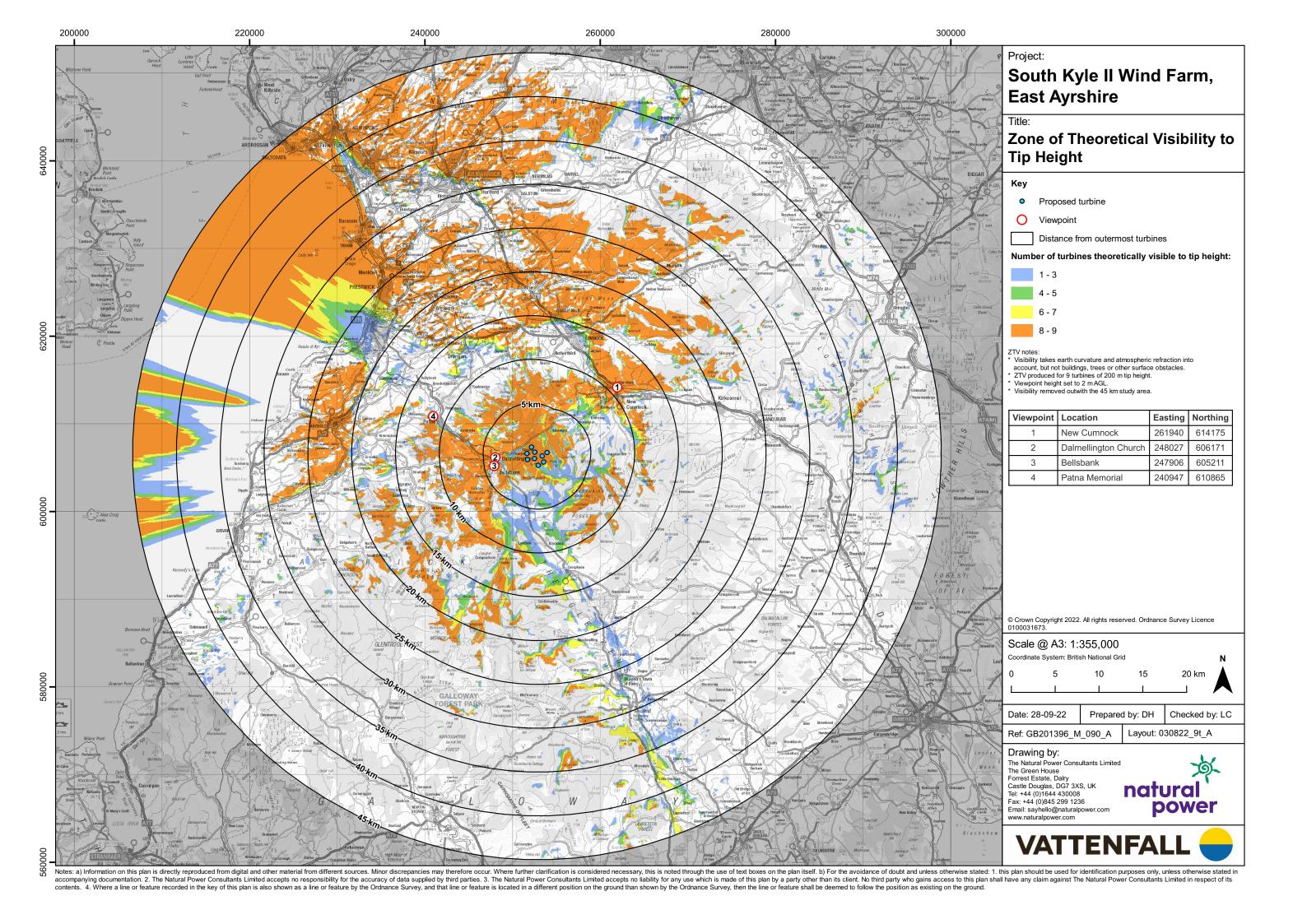


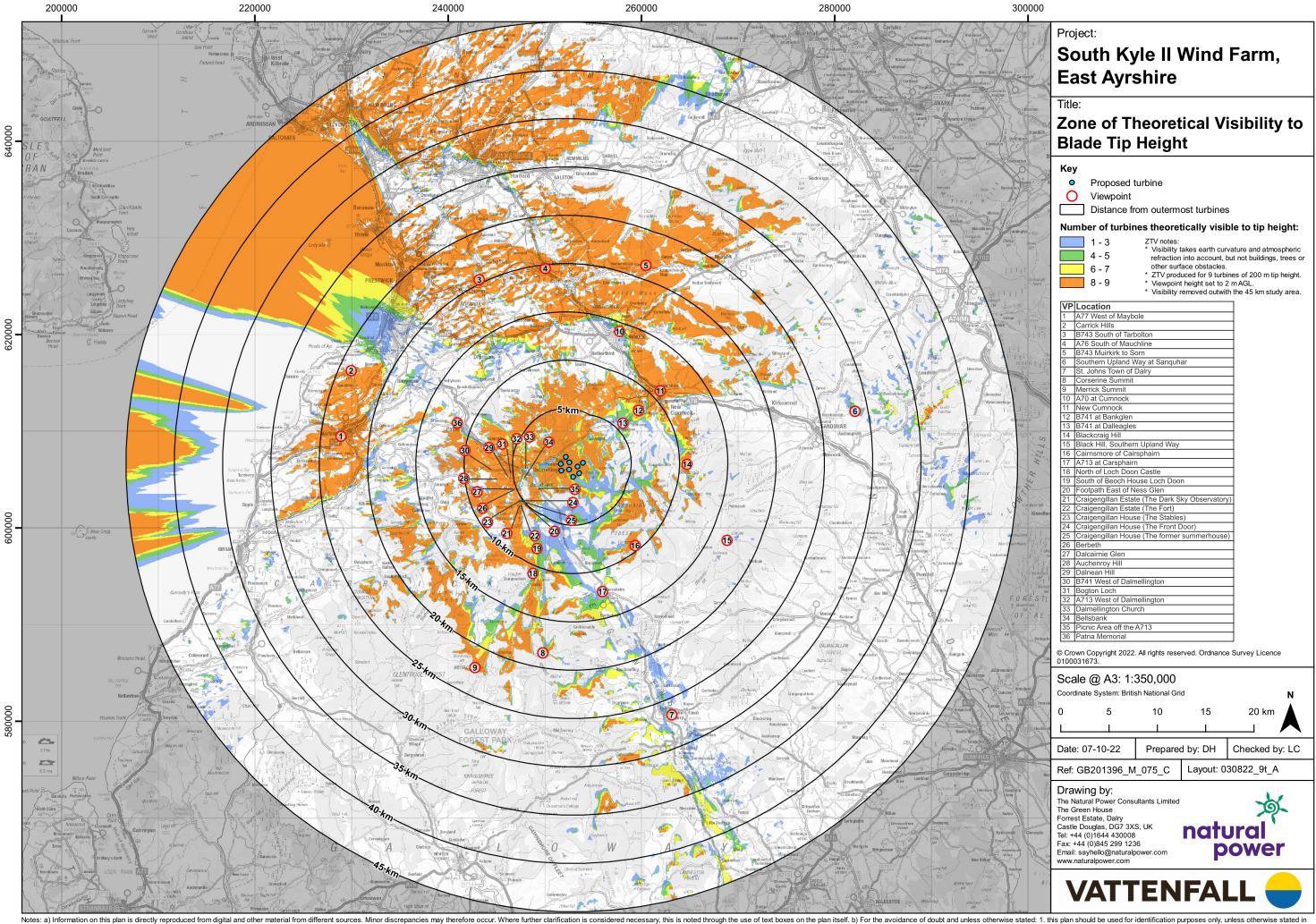


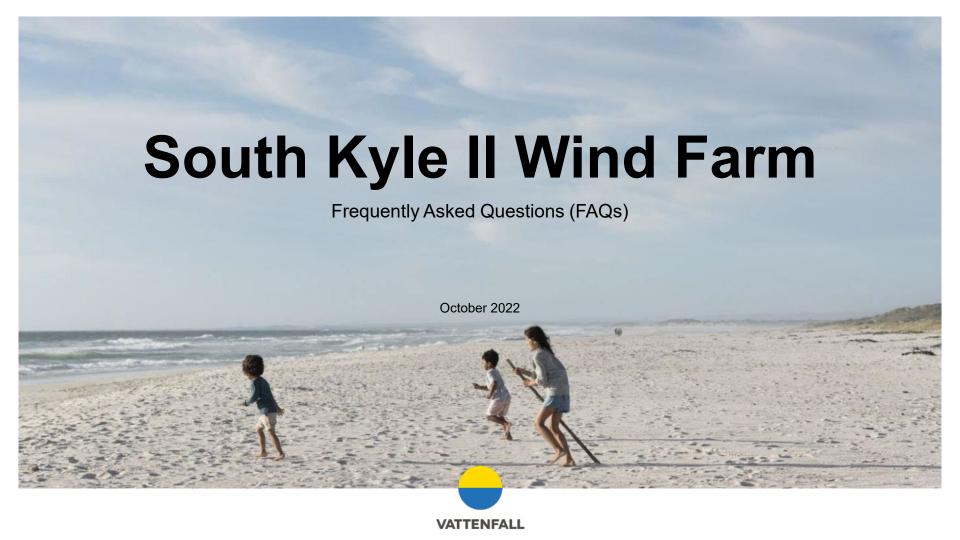








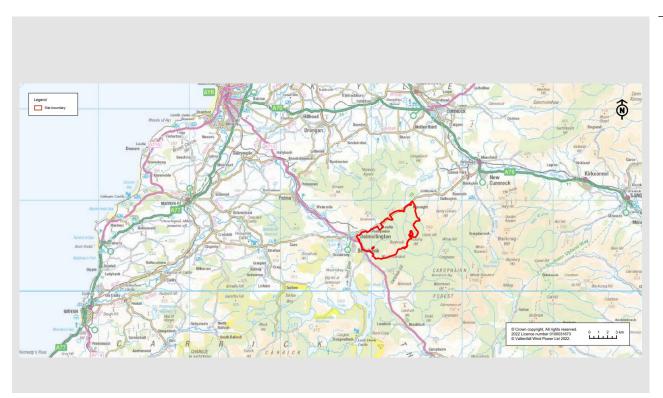




About the project and the developer

South Kyle II – a proposed onshore wind project

Where is the project?



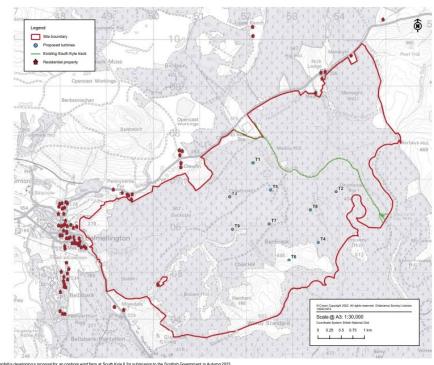
- South Kyle II is a proposed wind farm in East Ayrshire, north-east of Dalmellington and south-west of New Cumnock.
- Based on the current proposed layout, the nearest turbine to Dalmellington would be around a 3km distance, and around a 9km distance from New Cumnock.
- The site is on a parcel of land currently used for commercial plantation forestry. It is adjacent to the South Kyle Wind Farm, which is currently under construction.

South Kyle II – a proposed onshore wind project

What is being proposed?

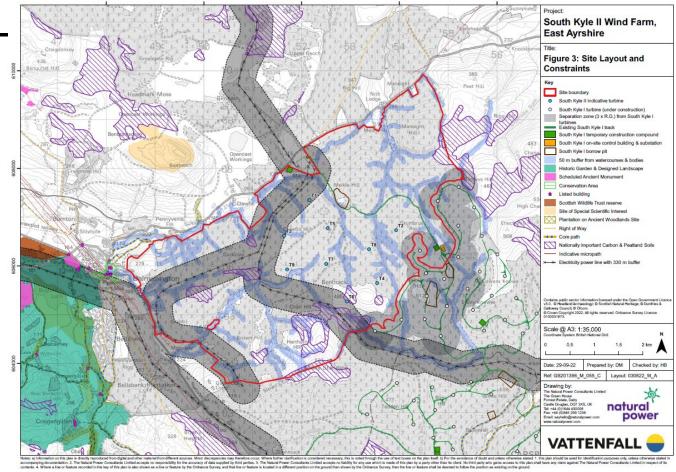
What is being proposed?

- After gathering extensive environmental data, considering responses from stakeholders and taking feedback from those living nearest to the site, the scheme was revised in Autumn 2022 and we are now proposing up to 9 turbines of up to 200m tip height, plus battery storage and associated infrastructure.
- Based on our calculations, this proposed configuration will enable the best possible use of the sites excellent natural wind resource, generating enough renewable electricity to power around 60,000 homes annually generating a significant community investment windfall for the local area.
- The turbine layout proposed respects constraints such as overhead lines, water courses and nearby residential properties, (please refer to Site Layout and Constraints Map).





South Kyle II –





South Kyle II – a proposed onshore wind project

What stage are the plans at?

- The proposals for South Kyle II Wind Farm are in the design stage. This is based on around two years of research, assessing the potential of the location and how the excellent wind resource can be harnessed efficiently and sympathetically to the landscape and topography.
- The proposal for South Kyle II Wind Farm are in the design stage. We are approaching the completion of 2 yrs of survey effort which means we should be in position to submit a proposal to the Scottish Government in Autumn 2023.

Will the proposal change further?

 We are confident that we have designed a scheme in which impacts on interested parties have been considered. However, dialogue is always open. All feedback will be considered in further design reviews before plans are finalised and submitted to planning.







Who are Vattenfall?

We are one of Europe's largest producers and retailers of electricity and heat. We tackle complex challenges in order to reach our goal of fossil free living within one generation.

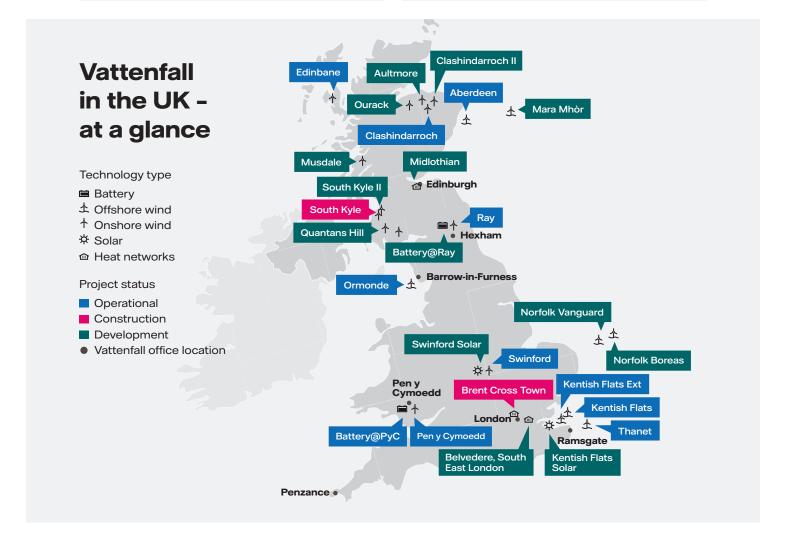
Vattenfall

Vattenfall's main markets are Sweden, Germany, the Netherlands, the UK, Denmark and France. We have a total of 20,000 employees, including over 395 in the UK.

The parent company, Vattenfall AB, is 100% owned by the Swedish state, and its headquarters are in Solna, Sweden.

Vattenfall in the UK

- Vattenfall has been in the UK since 2008
- We're a key partner in enabling the UK to reach net zero
- On track to help save 8 million tonnes of CO₂ a year by 2030, the same as taking 4 million cars off the road.





Electricity generation and storage



In operation: 11 battery storage, onshore and offshore wind projects with an installed capacity of 1.1GW.

Each year:

- · 800,000 homes powered
- 1.35 million tonnes of CO₂ saved
- · equivalent to taking 680,000 cars off the road

In development or construction: 12 projects with an installed capacity of 4.45GW.

Each year if constructed:

- · 4.5m homes powered
- 7m tonnes of CO₂ saved

equivalent to taking 3.65m cars off the road.

District heating



Developing three low-carbon heat networks:

- Brent Cross Town. Partner: Argent Related
- · Midlothian. Partner: Midlothian Council
- Belvedere, South East London. Partner: Cory

When constructed the three projects combined will supply the following with low-carbon heat:

- · 33,000 households
- 780,000 square meters of office, retail and commercial space
- A total CO₂ saving of 8000 tonnes each year

Cory's energy from waste plant in Belvedere is the catalyst for Vattenfall's city-wide heat network which could deliver heat to 500,000 homes, businesses and public buildings in London by the 2040s.

Exploring further opportunities – in partnership with cities, developers and businesses – to bring our expertise gained delivering heat to 1.9 million customers in Amsterdam, Berlin and Uppsala to the UK.



Electricity networks

Vattenfall IDNO

Vattenfall IDNO is an Ofgem regulated Independent Distribution Network Operator. We own and maintain electrical network infrastructure connected to the UK's national distribution network.

The journey to fossil free energy will see the phasing out of gas in favour of all electric sites powered by renewables. Across Europe we're working in partnership with big energy users to help them future proof their networks.

Vattenfall Network Solutions

Vattenfall Network Solutions designs, builds, owns and operates bespoke high voltage electrical network infrastructure for major electricity users and generators.

Our 'Power as a Service' model provides energy infrastructure as a service, rather than an expensive and risky asset for businesses to invest in, build, own and maintain.

Corporate Power Purchase Agreements

Enabling heavy users of electricity to power their operations while reducing emissions – for example, supplying IRN-BRU manufacturer AG Barr with 22GWh of electricity from Vattenfall's UK wind farms each year.

C 2 E













Landscape and visual impact

Landscape and visual impact

How will the wind farm affect the landscape?

- Vattenfall recognises the wide range of opinions people may have on the visual impact of wind farms. For some, they are problematic and unwelcome. For others, they are welcome additions and a positive symbol of the changes we need to make to combat climate change. Others simply don't have an opinion. Points of view – literally and figuratively – on wind farms are many and varied.
- Taking all of these views into consideration is important in finding the right balance and we use landscape topography wherever possible to inform our wind farm design.
- Vattenfall will also conduct a detailed landscape impact assessment as part of our planning application

- To assist with this, and to help local people understand how the wind farm may look from numerous points across the area, we have produced vantage point representations and Zone of Theoretical Visibility (ZTV) maps. These can be viewed in our online exhibition
- Bespoke wireline illustrations from specific addresses may be produced on request. Please contact the Project Team with details of your address/location.



Local residents

Local residents (1)

What impact will there be in terms of noise or shadow flicker?

- Wind farms individually and cumulatively face strict planning requirements about the amount of noise they can generate during their operational periods, and this has been an important aspect of the scoping undertaken as part of the Environmental Impact Assessment for South Kyle II. In this regard, Vattenfall's proposals will be limited by current planning restrictions and quidance.
- Our data gathering has enabled us to identify where noise may be an issue and adapt our scheme design accordingly. For example, a number of turbines which were initially proposed have now been removed from our plans to ensure South Kyle II Wind Farm does not exceed cumulative noise limits
- As with noise, the possibility of shadow flicker at nearby properties has been 'designed out' of the wind farm through careful turbine location relative to properties. Where turbines cannot be moved, mitigations exist to prevent shadow flicker causing annoyance, for example by stopping certain turbines turning when the risk of shadow flicker is high.

Local residents (2)

Will local property values be affected?

• There are a variety of studies about the impact of wind farms on house prices. One of the largest studies is by the Centre of Economics and Business Research (2014) which analysed 82,000 property transactions within a 5km radius of wind farms in England and Wales and concluded that house prices followed broader trends identifiable within the relevant county

Will there be aviation lighting?

- Yes, all structures in the UK over 150m can require aviation lights as part of international regulations. The impact of aviation lighting on the night sky will be a particular focus of our environmental impact assessment
- Aviation lighting effects can be minimised in a number of ways such as a reduction in the number of turbines with fixed lighting and visibility sensors that reduce the candelas luminosity in certain atmospheric conditions. Following discussions with the Civil Aviation Authority only 5 or 6 of the turbines will have fixed lighting
- By its nature, aviation lighting is designed to be seen by aircraft passing at height and is therefore much less visible to those close by and at ground level.
- Night-time visual assessments will be undertaken and wireframes included within our Environmental Statement



Local residents (3)

Aren't there enough wind farms locally already?

- If Scotland, the UK, and the rest of the world is to achieve carbon emissions targets, more renewable energy sources will be required everywhere. Onshore wind is the cheapest ways to generate renewable electricity, and South Kyle II Wind Farm would mark a step closer to achieving a fossil-free future. In addition, as our society moves away from fossil fuels to heat our homes and fuel transport, we will all need to consume more electricity.
- East Ayrshire is abundant in wind resource and remains highly attractive to wind developers. Ensuring such developments benefit not only the climate but the local area is, we believe, the responsibility of developers, and that's why Vattenfall is committed to working with communities and agencies to deliver tangible benefits for those who live, work and visit in the local area. We are working hard to deliver this at South Kyle, a 50 turbine wind farm now being constructed east of Dalmellington.

- We want to present the best case to the community that we are responsible partners committed to bringing a range of real, positive benefits to the region and should therefore be the area's 'developer of choice'.
- The suitability of an area for wind farm development is dependent upon many factors. Large landscapes where there are fewer residential properties, have good wind speeds, are close to existing grid infrastructure and are not protected by designations such as National Parks, National Scenic Areas, Wild Land are seen as the most appropriate locations for new wind farm development. This can mean certain geographical areas of Scotland and the UK as a whole are more suitable to accommodate a higher number of onshore wind farm developments than other areas. This is directed by the Governments national planning policies and local planning policies.

Ecology and natural habitats

Ecology and natural habitats

How will South Kyle II Wind Farm protect and enhance the local environment and natural habitats?

- Vattenfall is committed to protecting the natural environment around our wind farms. As part of our assessment of South Kyle II, we are surveying the site across the seasons for birds, bats, protected mammal species, fish, flora & fauna.
- Like any form of development, wind farms can affect the wildlife around them. There are a number of ways we address potential adverse environmental impacts:
- Through site design, for example the size, number, and location of turbines
- Through mitigation during all phases, for example managing habitats onsite to encourage wildlife to visit parts of the site where there are no, or fewer turbines
- Through compensation, for example creating new habitats to replicate or improve habitats affected by the location of infrastructure

- In addition, through our habitat management plans, we help to improve habitats and biodiversity interests.
- For example, our Pen y Cymoedd wind farm in Wales is a key part of one of the country's largest peatland restoration projects benefitting a wide range of rare species such as Nightjar.
- Meanwhile, South Kyle Wind Farm will see the planting of an additional 7.5ha of native woodland – the equivalent of 10 football pitches – on site including birch, rowan and willow.
- For South Kyle II Wind Farm a Habitat Management Plan will be developed and this will be shared with local consultees.
- We have also optimised the design of the turbine layouts to protect areas of deeper peat.



Traffic and transport

Traffic and transport

How will traffic access the site?

- Should our proposals proceed and achieve consent, it will be some years before South Kyle II Wind Farm would be built. We anticipate that this would commence no earlier than 2026-7. Prior to that, on site activity will be very limited to environmental studies with light passenger vehicles.
- When building a wind farm, Vattenfall is committed to working with local communities, authorities and contractors to both minimise disruption and maximise opportunities. The proposed turbine delivery route will be as per the one currently used for South Kyle – via the A77 and A713, and the existing South Kyle Wind Farm main entrance south of Dalmellington.
- The impact on local road users will be explored as part of the wind farm's planning application and conditions will be agreed with the relevant authorities regarding traffic movements should we be granted consent, such as limiting the number and timings of site deliveries
- Whilst some disruption is inevitable. Vattenfall will try to keep this to a minimum.



Socio-economic issues

Socio economic issues (1)

Will the wind farm create jobs and opportunities?

- More than 70% of Vattenfall's onshore wind expenditure in the UK is with British businesses. There are a range of opportunities from very local small businesses to multi-national companies. Typical opportunities for British businesses cover everything from civil and electrical engineering, environmental studies, plant and equipment hire through to communications, security, and cleaning. In the longer term, the wind farm will require technicians to operate and maintain the facility on a daily basis over its lifetime.
- From our wind farm at South Kyle (now under construction) to our proposed developments at South Kyle II, Vattenfall is committed to maximising opportunities for local communities.

Will local heritage be protected?

- Yes. Protecting heritage assets is an important factor in our development of proposals for South Kyle II. The scheme design will be adapted to accommodate any archaeological and heritage assets identified on site and in the wider vicinity.
- Where impacts are unavoidable, it is of course an opportunity to responsibly excavate and learn more about the lives of our ancestors.



Socio economic issues (2)

How will the wind farm impact tourism?

- Whilst individual opinions vary, there have been a number of studies which show no relationship between wind farms and tourism. For example, a 2017 study by BiGGAR Economics showed that between 2009 and 2015, onshore wind increased by 121% in Scotland whilst over the same period the number of people employed in tourism rose by 15%. This includes areas with higher proportions of onshore wind than other parts of Scotland.
- Studies for the Scottish Government have also found that 64% of tourists polled either had positive or no feelings towards wind farm development. In addition, a 2012 Visit Scotland survey of tourist attitudes found that 80% of UK respondents said their decision on where to go would not be affected by a wind farm.
- We do, however, appreciate concerns about tourism and are committed to exploring how the proposed wind farm can support the area's tourism aspirations and actively supporting local accommodation providers should construction go ahead.



Community investment

Community investment

How will community benefits be delivered?

- If approved, South Kyle Wind Farm could bring many benefits to local communities, including community investment worth equivalent of £10million over 30 years or, if a 40 year lifespan for the wind farm is achievable, £13.4million.
- Local communities decide how community benefits income is used. This could be as a traditional Fund supporting grants to local projects or the investment could be used to tackle specific challenges facing local communities.
- In recent years communities have directed this donation to things like energy efficiency, sustainable transport and Community Wealth building projects. Ideas like these help communities use this income to build their resilience in the face of rising costs and climate change.

Will shared ownership be offered?

 Yes. Vattenfall will offer local communities the opportunity to acquire an interest in South Kyle II Wind Farm, subject to their being sufficient local interest. We would be pleased to discuss this option further with interested groups.





Contact us

Contact us

How can I get in touch with the team?

Postal address:

South Kyle II Wind Farm,

Vattenfall Wind Power Ltd.

St. Andrew's House,

Haugh Lane,

Hexham

NE46 3QQ

Email Simon and Carol at: southkyle2.windfarm@vattenfall.com

Call us: 01563 595 044

How are you engaging with the local community?

- Vattenfall is engaging with local communities by post, email, phone and through digital means
- An online exhibition for the project can be viewed <u>South Kyle II</u>
 Wind Farm Vattenfall
- We are also planning Public Exhibitions in local communities in November 2022. Please see the project webpage for up to date details

To find out more please visit our project webpage: South Kyle II Wind Farm - Vattenfall





South Kyle II Wind Farm -**Comments Form**

The following survey is designed to gather feedback from local people and businesses on the development of the South Kyle II wind farm.

Your views are very important to us and will help Vattenfall design the best wind farm scheme we can. Your responses are anonymous and will be used by us to inform the next stage of the development of the wind farm

Before completing this survey we invite you to read the information boards, which explain the key aspects of the project.

Please complete as much of this survey as you like. It will run until 23rd Dec 2022.

You can contact the project team at any time, contact details can be found at the end.

Thank you for your time.

Terms and conditions

The feedback of local residents, businesses and groups is a crucial part of developing a renewable energy project to make sure that we design the best possible project. We value feedback throughout the design process to make sure that we can listen to and take on board the ideas and issues that are important to you.

No responses will be directly attributable to any person or organisation. You have a number of rights under data protection law and the General Data Protection Regulation (GDPR).

By completing a comments form you are confirming that you have read the above and understand the Terms and Conditions.

1. The proposed site

Our initial design for South Kyle II wind farm is planned to consist of up to 9 wind turbines, up to 200m to the tip of the blade at its tallest. We are also exploring the potential for a number of technologies on the site, including battery storage and green hydrogen storage.

This means that we can explore fully how the project could best contribute to the supply of low carbon energy solutions and energy security for the future.

How much do you know about wind energy technology?	How much do you know about battery storage?	How much do you know about green hydrogen storage?		
Not a lot	Not a lot	Not a lot		
A little	A little	A little		
Enough	Enough	Enough		
Very knowledgeable	Very knowledgeable	Very knowledgeable		
What information would you find useful on the technologies we are considering?				



What more would you like to know about onshore wind in East Ayrshire, if anything?
2. Climate Change, Policy and Planning
We invite you to read the information on the boards before completing this section.
How concerned are you about climate change, if at all?
Not concerned A bit concerned Very concerned
When thinking about our energy security and tackling climate change what do you think are the biggest
priorities for Scotland and the UK?
In your view, how much is climate change currently having an impact in East Ayrshire?
Not much A little A lot
Not flue!
When thinking about energy security and tackling climate change, what do you think are the most important priorities here in East Ayrshire?
Energy efficiency Other please tell us
Transport
Nature and biodiversity
Heating your home
Agriculture
Decarbonisation
How much do you know about Scottish governments plans to reach net zero by 2050?
Not a lot A little Enough Very knowledgeable

	Which companies or brands do you associate with onshore windfarms? Please write as many as you can think and do not worry about spelling. If you can't think of any, please write 'don't know'.			
Environmental Impact Assessment (EIA)				
Please read the information on the boards before completing this section.				
Please let us know which sections of the EIA you feel are priority areas.	ı	I	I	
1 = high priority for me, 2 = medium priority, 3 = Low priority	1	2	3	
Landscape and Visual				
Ornithology				
Cultural Heritage				
Hydrology & Geology				
Carbon				
Traffic & Transport				
Noise				
Noise Socio-Economics				
Noise				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				
Noise Socio-Economics Aviation Please tell us what are the issues that are most important to you. Please provide any spyou would like us to be aware of as we design this project and share any specific ideas				

4. Investing in the area

One of the key things we want to understand early is how this local investment can bring benefits to your community.

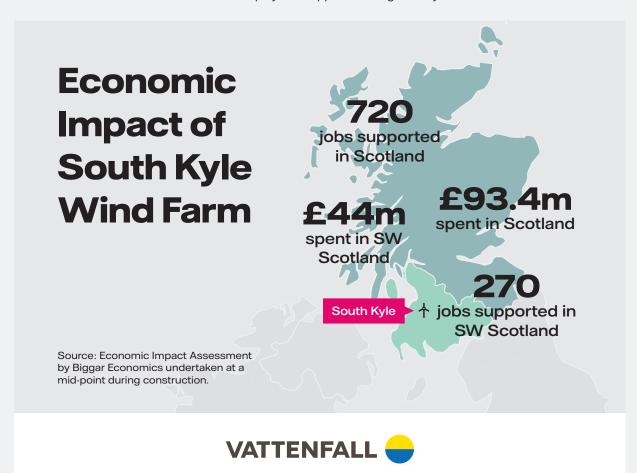
There are many ways in which we can build your ideas into the project, so please share with us what you think is important to your area for the future.

Please tell us what you believe should be focus areas for local community investment. Please select as many as you wish.

Skills and employment	Other please tell us			
Environmental protection and enhancement				
Transport including Low Carbon Transport				
Housing and built environment				
Energy efficiency measures for public and domestic buildings				
Schemes to mitigate the effects of climate change in our local area				
When thinking about the local area, what do you think the key challenges and opportunities for the future? This may be challenges from a climate change, environment, economic or societal perspective.				

5. Opportunities for businesses and jobs

We work hard to ensure businesses and employment opportunities go locally.



The figures above come from monitoring our existing South Kyle project. What else do you want to see us do in your area, regarding local employment?

in your opinion do local people have the skills required for employment on a wind fairn:				
	No Yes Unsure			
C	If you or the business you represent would like to provide goods or services to the development, construction, or operation of the South Kyle II wind farm, please let us know the nature of your business and your contact details for further discussion:			
6. A	bout you			
W	here do you live?			
	Dalmellington area	Elsewhere in Scotland	*Please specify	
	Patna area	Prefer not to say		
	New Cumnock area	Other *		
	Carsphairn area			
	·			
	n what capacity are you ruestionnaire?	responding to this	Would you would like to be added to our newsletter distribution list for South Kyle II? If so, please provide your email address:	
	A member of the public			
	School or university stud	dent		
	Representative of a char	rity or community group		
	Representative of a local	ll business		
	Prefer not to say			
W	/hat is your age?			
	Under 18	45 - 64		
	18 - 24	65 and over		
	25 - 44	Prefer not to say		
	35-44	,		

7. General feedback

Have you found the information presented via our exhibition or webpage helpful in addressing any questions or concerns that you may have had?						
Yes, very helpful	Yes, somewhat helpful	No, somewhat unhelpful	No, very unhelpful			
If you have any other feedback you would like to share with us, please do so here:						



Thank you for completing this survey

We will take time to analyse the feedback and will report back on our finding via our website and in further public exhibitions.

In the meantime, if you have any questions, please contact the Project team:

Email: southkyle2.windfarm@vattenfall.com

Phone: 07855 173381

Post: Simon Lejeune, South Kyle II, Vattenfall Wind Power Ltd, St. Andrew's House,

Haugh Lane, Hexham, NE46 3QQ

Abbey Slip, Penzance, Cornwall, TR18 4AR

