

Powering change together

The time has come to further enhance Scotland's energy infrastructure, providing power for future generations as we move towards net zero.

The shift to a cleaner, more sustainable future is about more than climate change. It's about ensuring future generations have the same opportunities to thrive as we have all had.

Countries around the world are investing in their energy infrastructure to support the demands of modern economies and meet net zero targets. The UK is leading the way in building a modern, sustainable energy system for the future.

We all have a part to play

When it comes to net zero, we have to be in it together. The UK and Scottish Governments have ambitious net zero targets, and we're playing our part in meeting them.

We work closely with National Grid Electricity System Operator to connect vast renewable energy resources – harnessed by solar, wind, hydro and marine generation – to areas of demand across the country. Scotland is playing a big role in meeting this demand, exporting two-thirds of power generated in our network.

But there's more to be done. By 2050, the north of Scotland is predicted to contribute over 50GW of low carbon energy to help deliver net zero. Today, our region has around 9GW of renewable generation connected to the network.

At SSEN Transmission, it is our role to build the energy system of the future.

We're investing £20 billion into our region's energy infrastructure this decade, powering more than ten million UK homes and 20,000 jobs, 9,000 of which will be here in Scotland.



Find out more

Scan the QR code with your smartphone to find out more about how these policies have been assessed and determined.
bit.ly/3SYgNFs

Who we are

We're responsible for maintaining and investing in the electricity transmission network in the north of Scotland. We're part of SSE plc, one of the world's leading energy companies with a rich heritage in Scotland that dates back more than 80 years. We are also closely regulated by the GB energy regulator Ofgem, who determines how much revenue we are allowed to earn for constructing, maintaining, and renovating our transmission network.

What we do

We manage the electricity network across our region which covers a quarter of the UK's landmass, crossing some of the country's most challenging terrain. We connect renewable energy sources to our network in the north of Scotland and then transport it to where it needs to be. From underground subsea cables and overhead lines to electricity substations, our network keeps your lights on all year round.

Working with you

We understand that the work we do can have an impact on our host communities. So we're committed to minimising our impacts and maximising all the benefits that our developments can bring to your area.

We're regularly assessed by global sustainability consultancy AccountAbility for how we engage with communities. That means we provide all the information you need to know about our plans and how they will impact communities like yours. We want to hear people's views, concerns, or ideas and harness local knowledge so that our work benefits their communities: today and long into the future. You can share your views with us at: ssen-transmission.co.uk/talk-to-us/contact-us



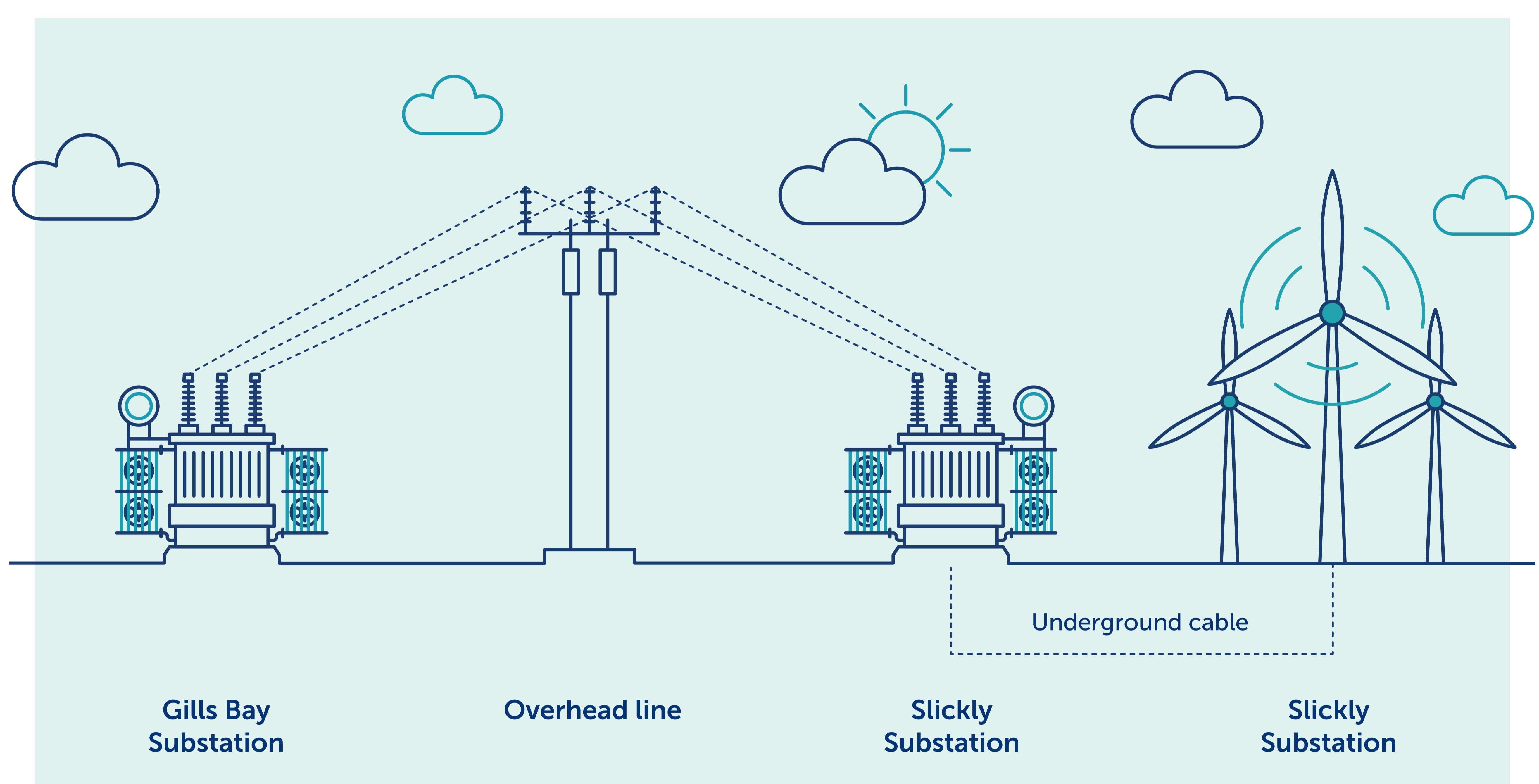
ssen-transmission.co.uk/projects/project-map/slickly-wind-farm-connection/



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Project need and overview

As the transmission license holder in the north of Scotland, we have a duty under Section 9 of the Electricity Act 1989 to facilitate competition in the generation and supply of electricity. We have obligations to offer non-discriminatory terms for connection to the transmission system, both for new generation and for new sources of electricity demand.



The connection comprises a single circuit 132kV trident wood H pole arrangement, as shown, supporting the overhead line running a distance of approximately 8.5km in length between the proposed Slickly wind farm substation and the Gills Bay substation (being proposed and constructed under a separate SSEN-T project).

The trident wood pole line will transition to cable via a gantry arrangement located within the Gills Bay substation.

The Slickly wind farm substation has been consented by the Developer who will undertake the construction of the substation platform and electrical infrastructure works to connect the wind farm, including the installation of a single 132/33kV 90MVA transformer and associated control building.

The average height of the trident poles is between 13 and 15 meters, up to a maximum of 18 meters, with an average span of between 70 and 100 metres.



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Project timeline

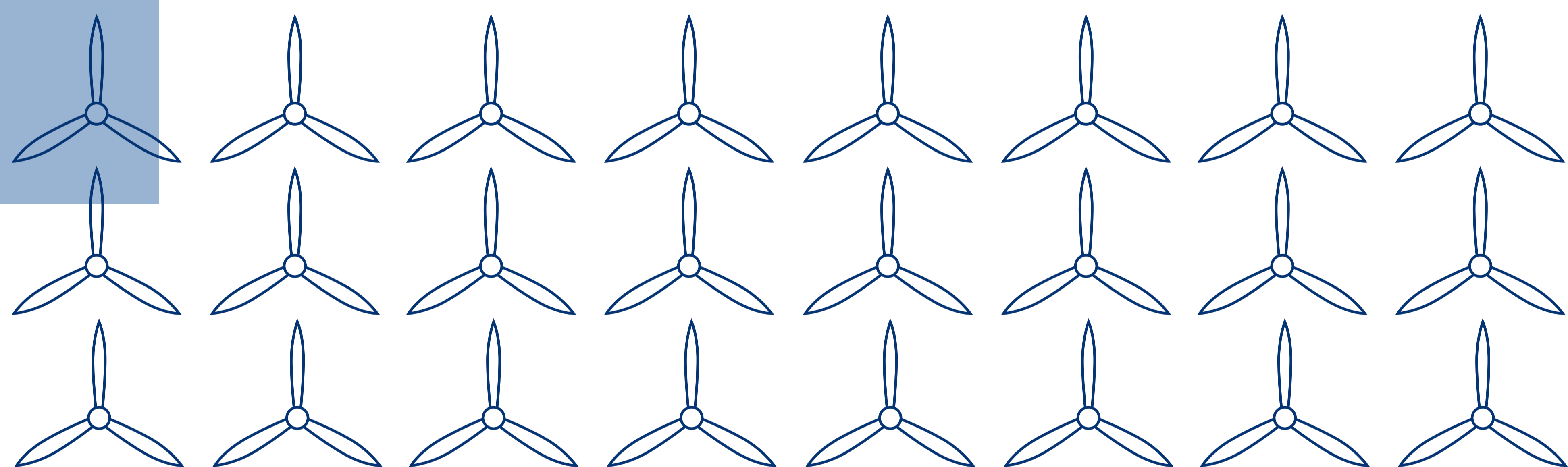
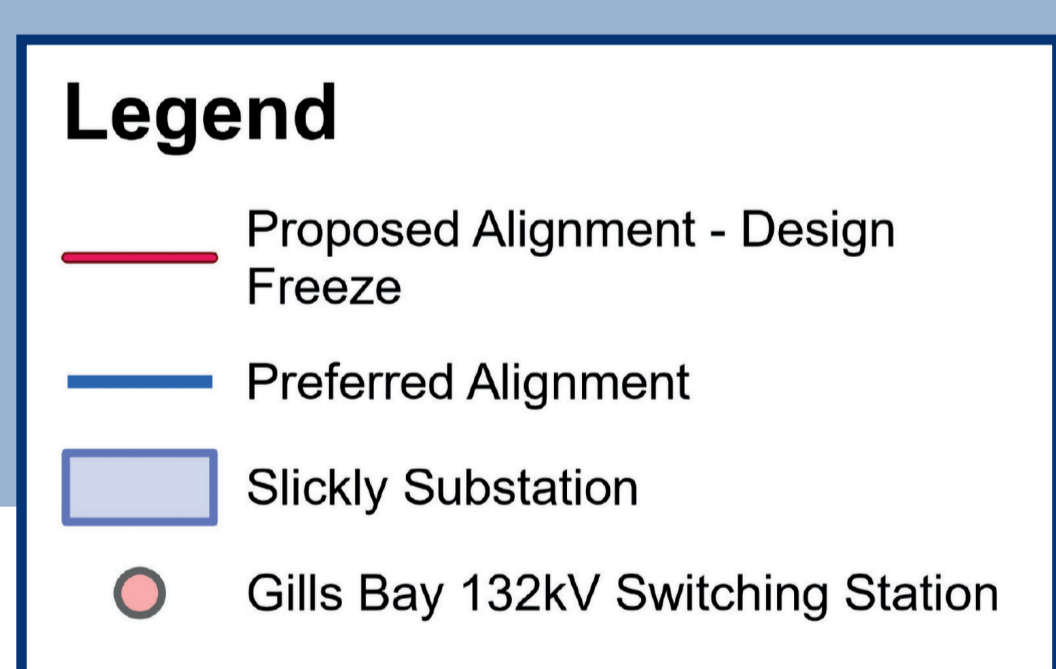
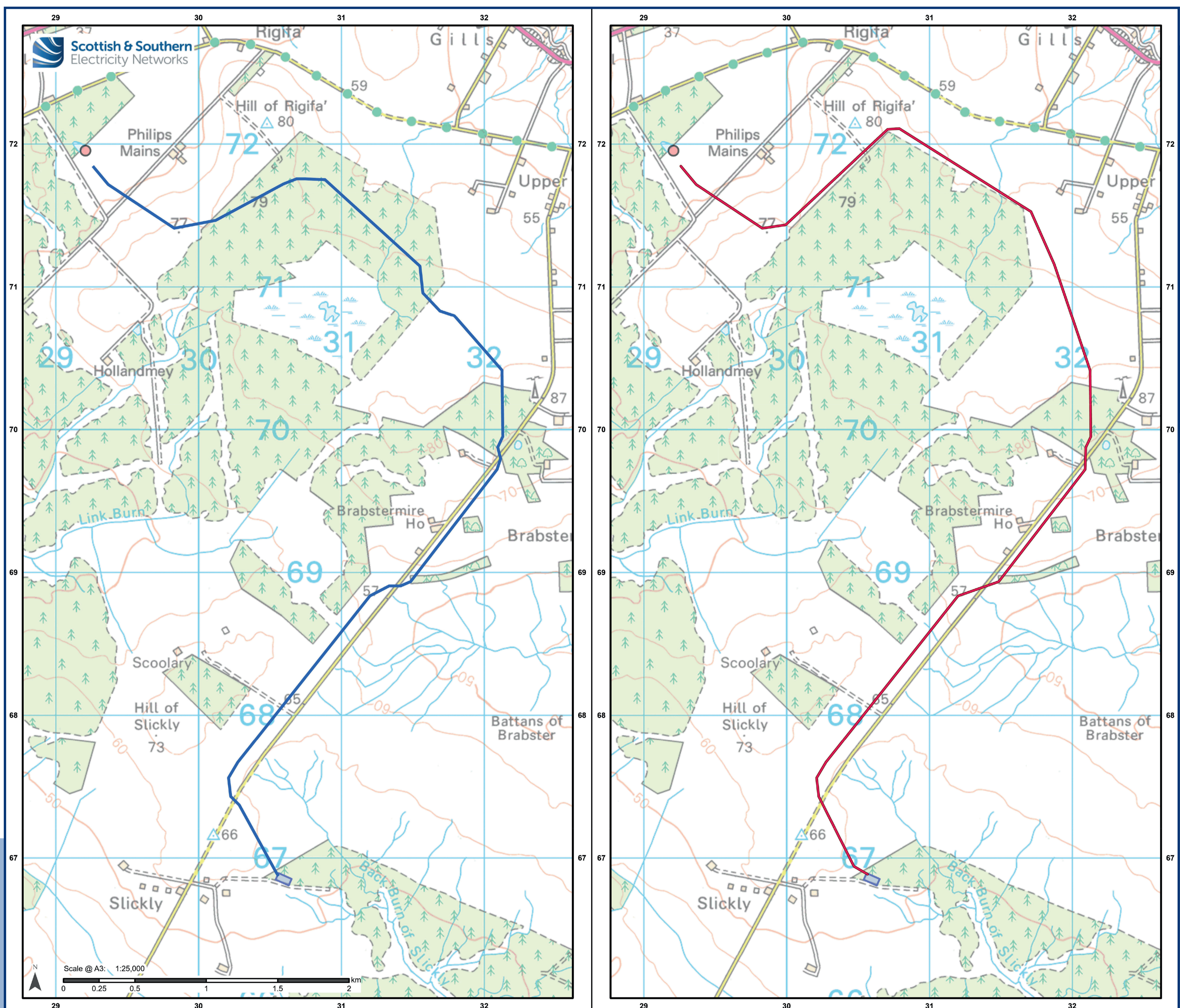
The figure below identifies key milestones for consenting and construction programmes.



OHL alignment options

A baseline alignment was developed within the extent of the Proposed Route identified in February 2023 for the connection of Slickly wind farm to the Gills Bay substation and was presented at our alignment consultation in August 2023. We have continued to refine this alignment post that consultation following feedback from Stakeholders. The map below shows the proposed alignment.

Whilst the majority of the Proposed Alignment remains unchanged from the alignment presented in August 2023 there has been an amendment following consultation with the proposed Hollandmey Wind Farm. In order to avoid routing through the area proposed for the Hollandmey Wind Farm Habitat Management Plan the alignment in this location has been moved to the east. In doing so any impact of the OHL on the proposed peat restoration works have been removed.



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