

Berwick Bank Offshore Wind Farm

A global opportunity, delivered locally.



SSE Renewables introduction

SSE Renewables is building more offshore wind energy than any other company in the world right now.

We have over 1,300 employees across the UK, Ireland and now around the world, all playing a critical role in keeping global warming to a 1.5 °C pathway.

Our strategy is to lead the transition to a net zero future through the world-class development, construction and operation of renewable power assets and we're building more offshore wind energy than any other company in the world.

We're part of SSE plc, the UK-listed integrated energy group which is investing £18bn over the next five years, or £10m a day, to deliver a Net Zero Acceleration Programme Plus to address climate change head on.

This includes plans by SSE Renewables to double our installed renewable energy capacity to 8GW by 2026.

We also have ambitious targets to increase our renewables output fivefold to over 50TWh annually by 2031 – enough to be able to power around 20 million homes each year.



Tackling the climate emergency and delivering Net Zero

The United Nations has been clear. For a sustainable climate, Net Zero commitments must be backed by **credible action.**

Berwick Bank Offshore Wind Farm is one of the largest offshore wind opportunities in the world. It is deliverable now and it is essential if the UK is to be successful in meeting its ambitious decarbonisation targets and delivering Net Zero.

The current Scottish Offshore Wind Pipeline, which includes proposals in the planning stage through to proposals already operational, currently sits at 10GW. This figure includes Berwick Bank Offshore Wind Farm, which would account for 4.1GW of this.

Our biodiversity commitment

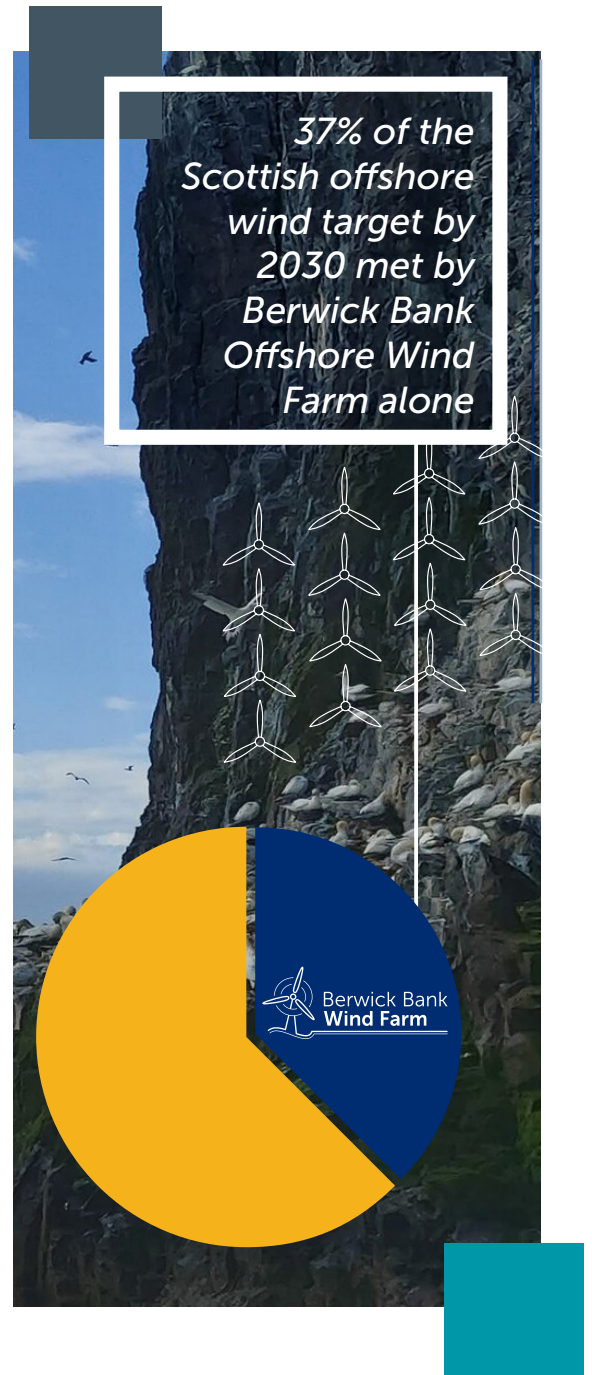
While building the offshore wind needed to deliver the transition to net zero, we must ensure that sustainability and biodiversity are core to our development from the outset.

Berwick Bank has completed one of the largest known ornithology surveys in the world of the proposed area, which included 25 months of aerial surveys, consisting of a 16km buffer around the site, 300 hours of flight time, across 5,000 square km: seven times

the size of East Lothian. Part of this process involved the analysis of over 15 million images which documented over 338,000 birds and 2,000 marine mammals. We have also partnered with Microsoft, Avanade and NatureScot to use artificial intelligence to monitor key species to ensure our proposed offshore developments don't have adverse effects on the surrounding wildlife.

Our comprehensive work in this area allowed us to reduce our overall proposed site by approximately a third, meaning we can maintain the 4.1GW output, whilst crucially avoiding sensitive areas of feeding grounds for Scotland's important seabird population.

We've also put forward an ambitious package of environmental compensation measures, including the further restriction of sand eel fishing, which we believe will allow Berwick Bank to tackle the twin crises of climate and nature.



About Berwick Bank

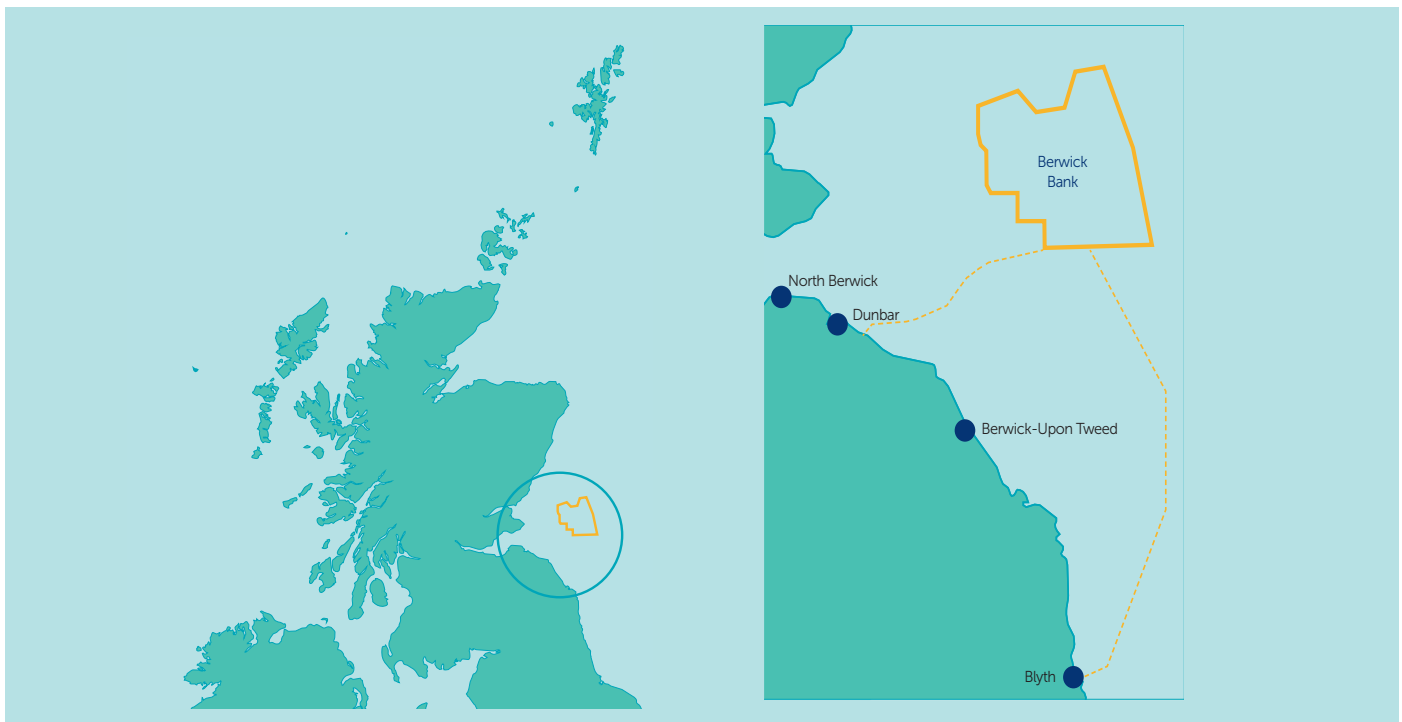
Located in the North Sea, in the outer Firth of Forth, Berwick Bank Offshore Wind Farm has the potential to deliver up to 4.1 GW of installed capacity, making it one of the largest offshore opportunities in the world.

The project will be capable of generating enough clean, renewable energy to power over six million homes, the equivalent to all of Scotland's households twice over. It could avoid eight million tonnes of carbon dioxide every year – similar to removing all of Scotland's annual car emissions.

Berwick Bank Offshore Wind Farm is now at an advanced stage of development. In late 2022, a planning application was submitted to the Scottish Government seeking consent to develop and enter construction. If approved for delivery, Berwick Bank could increase Scotland's overall renewable energy capacity by nearly 30%.

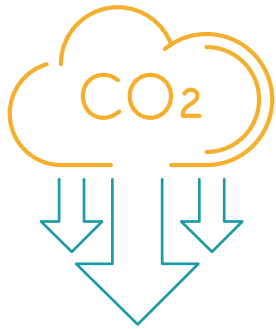


Alex Meredith , Project Director



Project facts

Berwick Bank could generate enough clean, renewable energy to power over 6 million homes, equivalent to supplying all of Scotland's households twice over



Berwick Bank could mean 8 million tonnes of carbon dioxide is avoided every year – similar to removing all of Scotland's annual car emissions

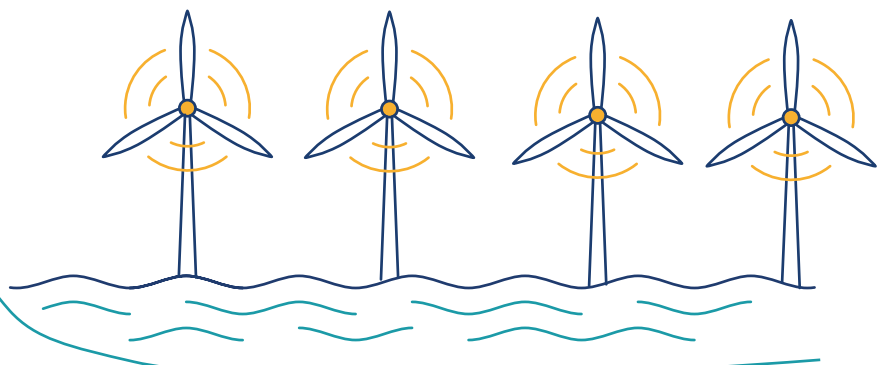
Berwick Bank represents a multi-billion pound opportunity for the Scottish supply chain and will require a capital spend of more than five times the Queensferry Crossing



Berwick Bank can provide the opportunity for up to an £8.3b boost to the local, regional and national economy

Berwick Bank is further developed than any current Scotwind proposals and a successful consent is essential to meeting Scottish Government offshore wind and net zero targets

Berwick Bank could be generating electricity by the second half of this decade



Creating good, green jobs and boosting the supply chain



Berwick Bank Offshore Wind Farm represents a potential multi-billion-pound investment in the UK's renewable infrastructure.

This opportunity has the potential to bring significant economic benefits to East Lothian and Northumberland, as well as the whole of the UK.

SSE Renewables is working with multiple local partners to ensure that we engage closely with our communities at every opportunity.

SSE Renewables is committed to ensuring that the local economy and local supply chain are made aware of all potential opportunities associated with the project.

“Local stakeholders and the local community are crucially important to the success of our Project. This is why we are looking to engage and work alongside the local community and support local initiatives wherever possible”

Alex Meredith , Project Director

Berwick Bank in numbers

Power generation

Up to **307** turbines

producing **4.1GW** of power

supplying **6 Million** homes



Economy

Up to **£8.3 Billion** to UK economy



Jobs

4,650 potential jobs created in Scotland
9,300 potential jobs created in UK

Let's lead the offshore revolution

Building world-leading projects like Berwick Bank means we can be less reliant on unsustainable fossil fuels and instead secure our own energy future now and for generations to come.



Crucial to Scotland meeting its offshore wind targets by 2030



Capable of generating up to 4.1GW of clean electricity



One of the worlds largest offshore wind opportunities



A multi-billion pound opportunity for the Scottish supply chain



Generating enough clean, renewable energy to power over six million homes

Next steps

Underlining the necessity for such a site, if granted consent and approved for construction, Berwick Bank could begin generating clean electricity in the second half of this decade, playing a key role in helping Scotland meet its near-term net zero targets of generating up to 11GW new offshore wind by 2030.

The scale of Berwick Bank Offshore Wind Farm makes it one of the largest offshore wind farms currently in development anywhere in the world and will accelerate Scotland's place as a global leader in tackling climate change.

Project timeline

The following timeline* gives a sense of our work to date and the path which will help Scotland pave the way to net zero.

**This timeline is indicative and subject to change.*

