DOGGER BANK D WIND FARM

Non-statutory consultation

10 September to **22 October 2024**

sse Renewables

equinor

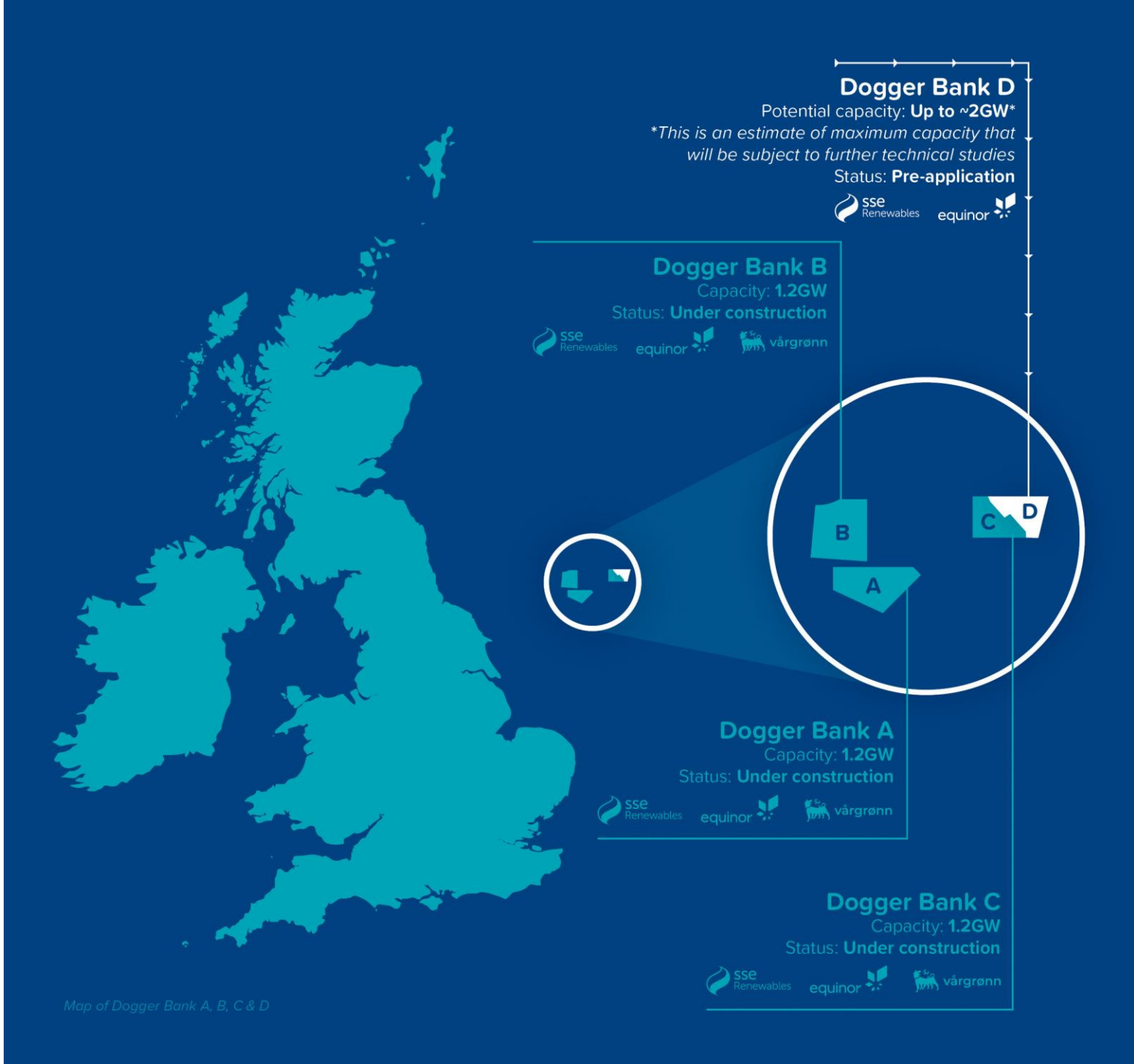
www.doggerbankd.com

About Dogger Bank D

Dogger Bank D is a proposed new fourth phase of the Dogger Bank Wind Farm, the world's largest offshore wind farm.

This new phase seeks to maximise the capacity of the eastern portion of the original Dogger Bank C area.

It has the potential to generate up to 2GW of renewable electricity from offshore wind in the North Sea, contributing to the decarbonisation of the UK energy system.



The team behind Dogger Bank D

Dogger Bank D is being developed by a 50 / 50 joint venture between SSE Renewables and Equinor, two of the world's leading companies in the development and operation of offshore wind energy. Both companies were involved in the design and planning consent of Dogger Bank Wind Farm, the world's largest offshore wind farm.

Dogger Bank D so far

Between Spring 2023 and Spring 2024, we explored two opportunities for using the energy produced by Dogger Bank D.

The first was to connect the wind farm to an onshore hydrogen production facility in the Holderness area and the second was to connect it to the UK electricity network via a shared connection to an Offshore Collector Platform.

In March 2024 we confirmed we would focus on connecting to the electrical transmission system and retire proposals for hydrogen production.

This decision came after the National Grid Electricity System Operator identified a new grid connection point for Dogger Bank D as part of their Holistic Network Design.

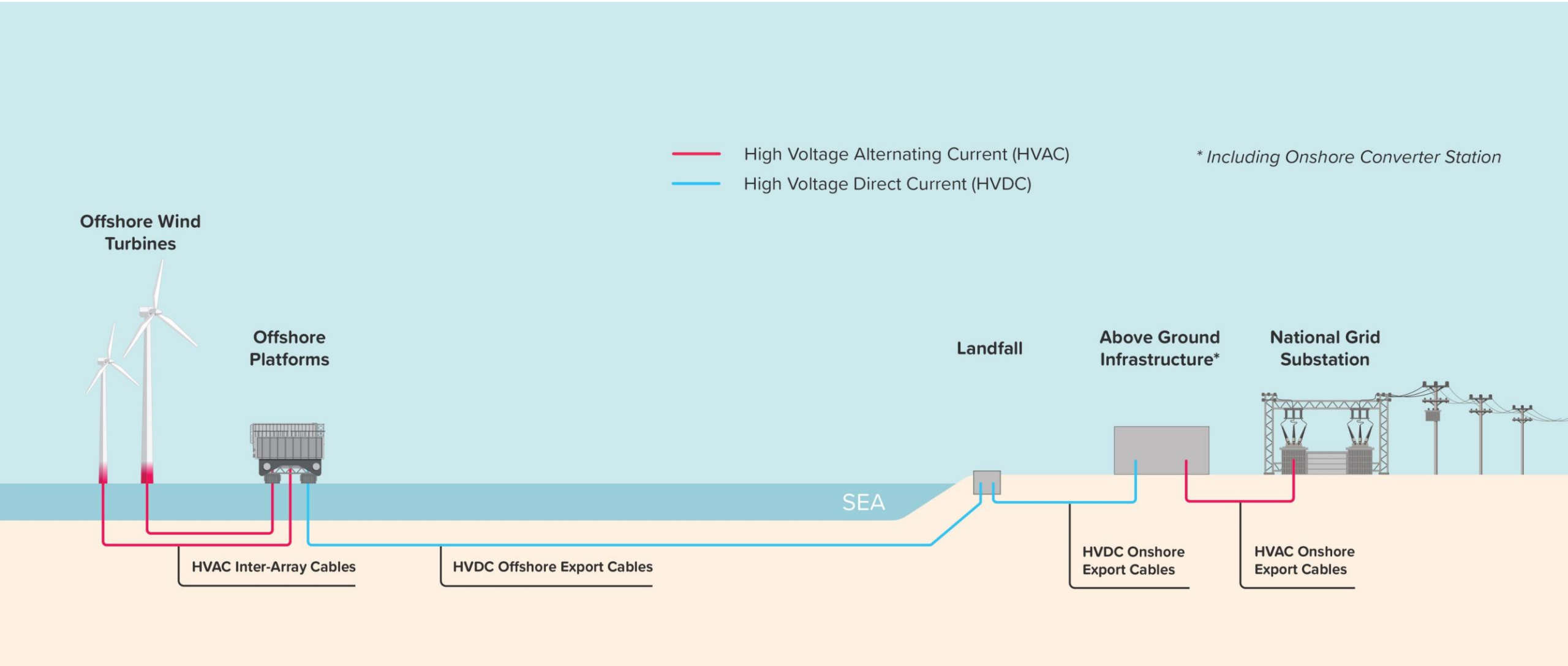
Dogger Bank D so far

The new grid connection location has been identified as Birkhill Wood, a new 400kV substation under development by National Grid Electricity Transmission between Beverley and Cottingham in the East Riding of Yorkshire.

This phase of non-statutory consultation focuses largely on bringing the electricity to shore southeast of Skipsea, laying cables underground to a new converter station and connecting to the Birkhill Wood substation.

In 2025, we will conduct a statutory consultation to refine our plans for the onshore infrastructure. This includes the preferred corridor for laying cables, the location of the converter station, and updates on our environmental assessments both offshore and onshore.

How energy will reach homes and businesses



The planning application process

Dogger Bank D is considered a strategic national asset due to its expected generating capacity of over 100MW, qualifying it as a Nationally Significant Infrastructure Project (NSIP).

To proceed, we will apply for a Development Consent Order (DCO) which will grant us the powers to deliver the Project.

The application will be reviewed by the Planning Inspectorate, which manages the NSIP planning process, and the final decision will be made by the Secretary of State for the Department for Energy Security and Net Zero.

Planning Inspectorate

The offshore infrastructure

Up to 113 wind turbines

with associated support structures and foundations fixed to the seabed

A network of up to 400km of inter-array cables

linking the individual wind turbines to each other and to the offshore platforms

Up to two offshore platforms

with associated support structures and foundations fixed to the seabed, to facilitate the export of electricity to an onshore or offshore connection point

Up to two subsea cables

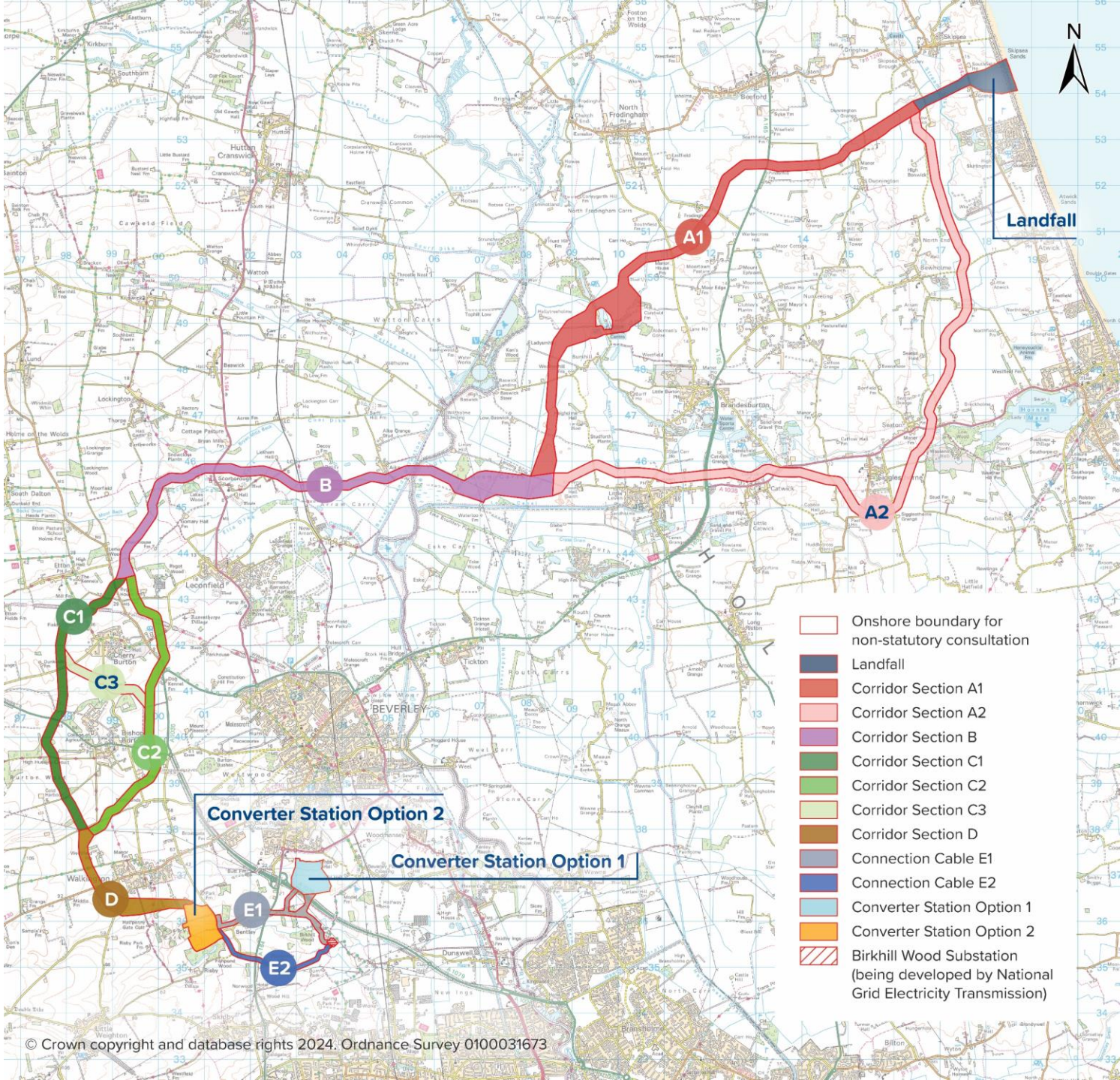
to bring the electricity from the offshore platforms to the shore

The onshore infrastructure

To connect to the new Birkhill Wood Substation, located northwest of Cottingham, we need to bring the offshore export cables ashore at a point on the Yorkshire coast and lay underground cables to a new converter station.

Currently, we have identified several potential corridor sections, each about 200 meters wide.

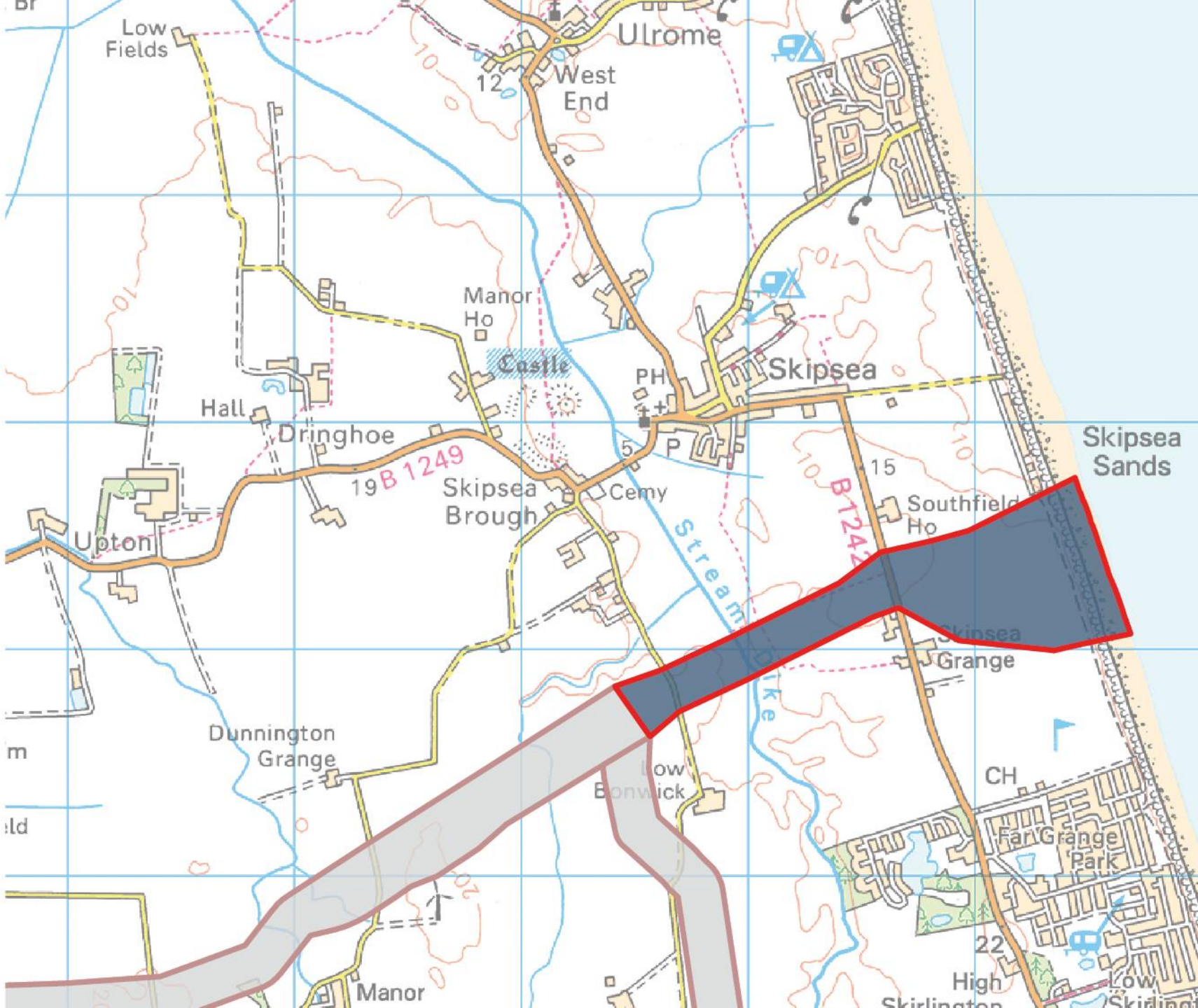
In the consultation brochure, you can find details about the key features of each corridor section.



Landfall

The proposed landfall location is southeast of Skipsea village.

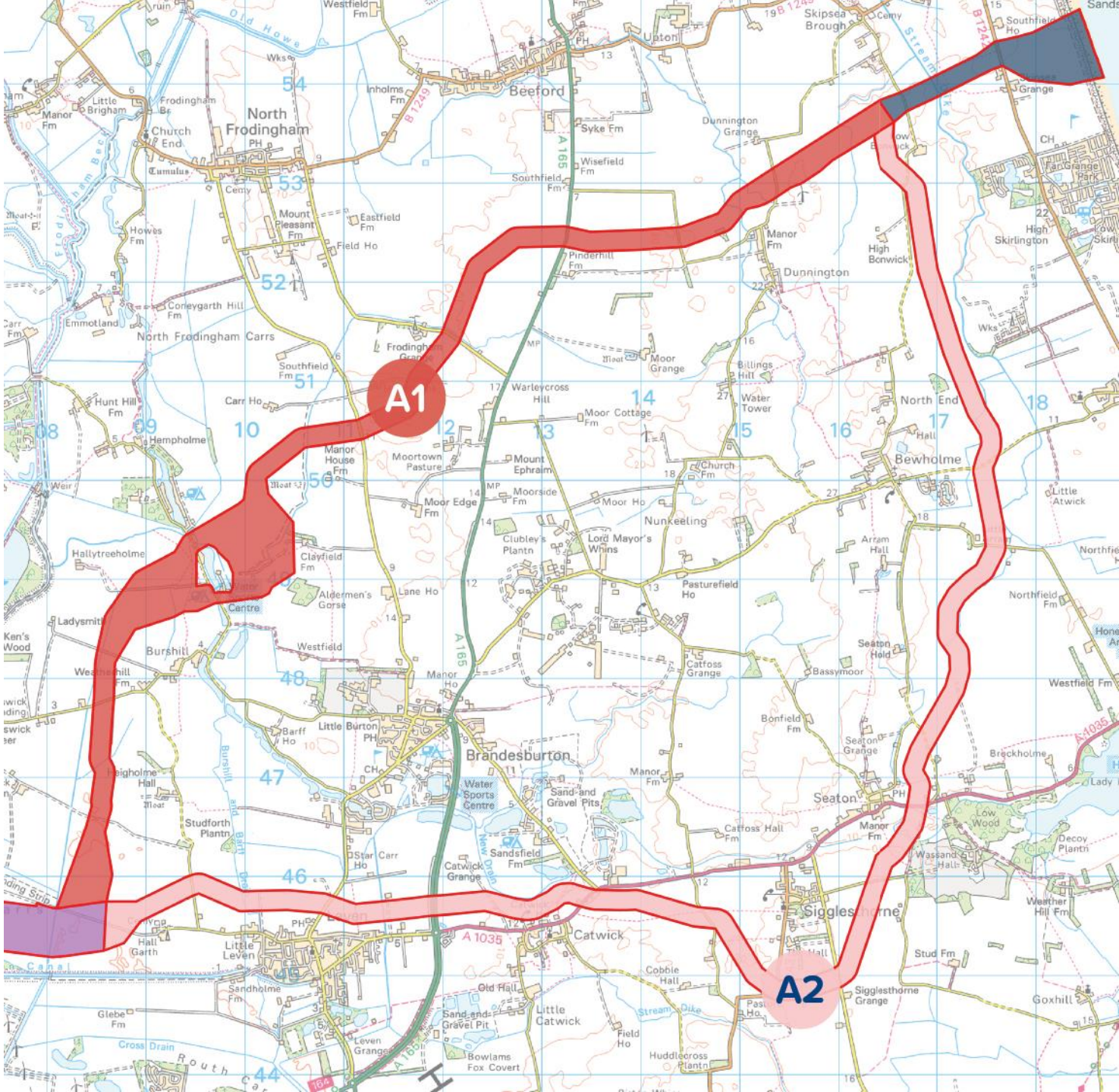
Typically, we use trenchless installation methods to bring cables ashore. These offshore cables are joined to the onshore cable system at an underground area known as a Transition Joint Bay.



Corridor Section A1 and A2

- A1 is about 12.5 km long. Key features include crossing the A165 and being near a pumping station.
- A2 is 18 km long. It crosses both the A165 and A1035 and is close to Hornsea Mere and several environmental designations

We will choose either Corridor Section A1 or A2 to advance to the next stage of assessments.

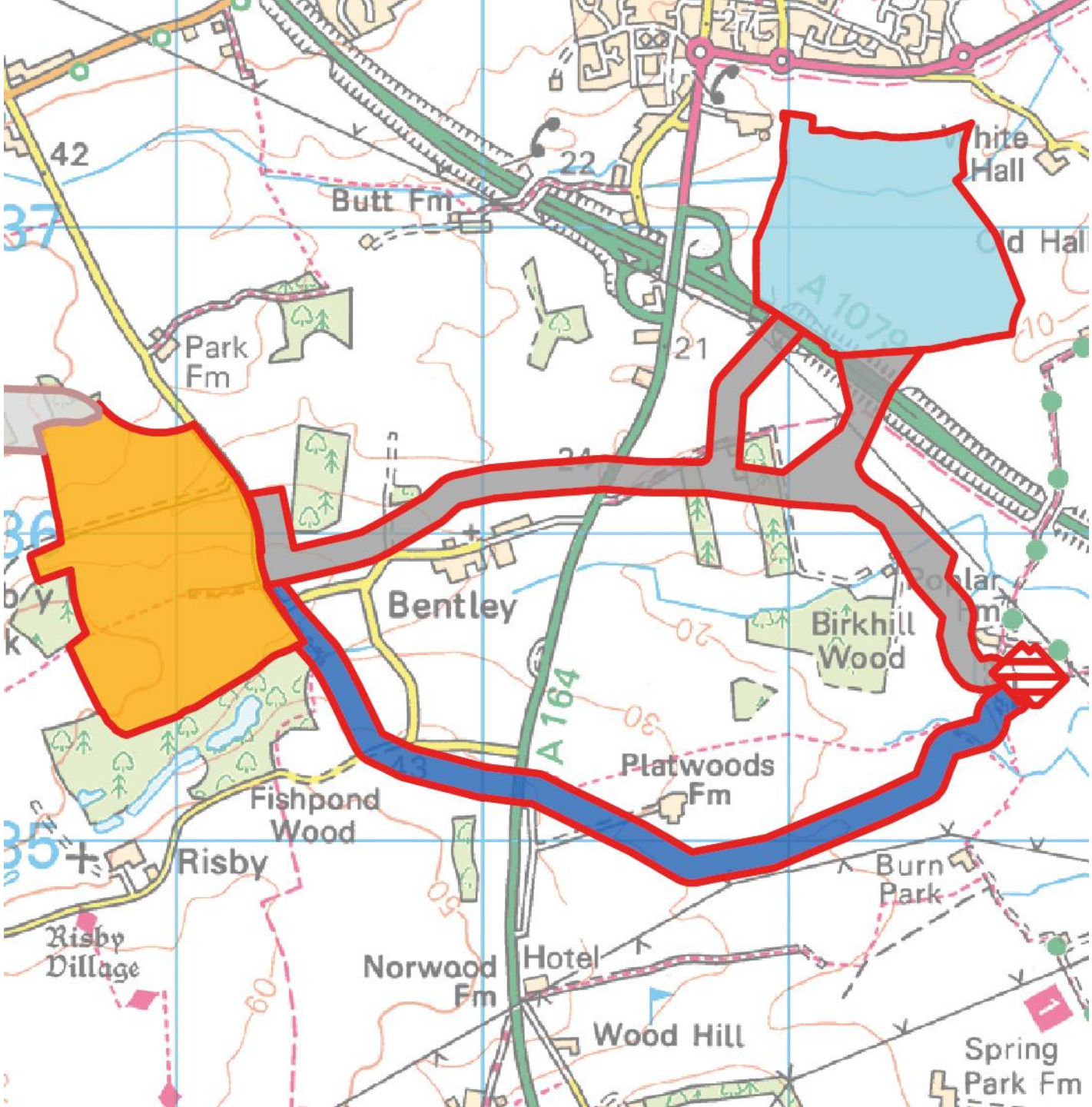


Converter station

We have identified two broad areas for siting the converter station.

- Option 1 is bordered by the A164 to the north and west and the A1079 to the south.
- Option 2 is situated southeast of Walkington and west of the hamlet of Bentley.

We will choose either Option 1 or Option 2 for final development.



Emerging opportunities

Coordinating offshore wind with other infrastructure

We are working alongside National Grid to explore the potential for coordination with an Offshore Hybrid Asset (OHA). This would combine an offshore wind farm, via offshore platforms, with an electricity interconnector between the UK and another European country's electricity market.

Developing OHAs will enhance energy security in the UK, allow us to export power during periods of oversupply, facilitate interconnection with other low-carbon electricity sources in neighbouring European countries and reduce the UK's carbon emissions.

Emerging opportunities

Energy storage and balancing infrastructure

To use the electricity generated by Dogger Bank D in the best possible way we will explore ways to store excess energy during periods when the wind farm is generating a surplus of electricity (e.g. when it is very windy or when demand for electricity is low) in order to support the grid during times of peak demand.

Such a system may include multiple buildings and containers within the area selected for the converter station.

Protecting and enhancing the environment

We will identify the potential impacts of the construction, operation, maintenance, and decommissioning stages of the Project. This is a key part of the Environmental Impact Assessment (EIA), which will examine social, cultural, historical, and environmental effects.

The results of our assessments, including proposed measures to mitigate environmental impacts, will be outlined in a Preliminary Environmental Information Report.

This report will be presented at the statutory consultation in 2025. At that point, the project design will still be evolving, and we will continue to refine our understanding of its potential significant effects.

After receiving feedback from the statutory consultation, conducting further studies and surveys, and making progress on the project design, we will complete the EIA. The findings will be detailed in an Environmental Statement, which will be submitted with our DCO application.


Water vole


Kittiwake

How to take part

- Consultation is essential for developing the project to understand the impact on the natural environment and finding what matters to local communities.
- We need your feedback because you know the area best and could be directly affected by our plans.
- In this consultation, we will present our proposals and outline the areas we are considering for the onshore infrastructure.

Ways to provide feedback

Visit our website:
www.doggerbankd.com

Send us an email:
contact@doggerbankd.com

Call freephone:
0800 254 5029

Write to us:
FREEPOST DOGGER BANK D

Our land agents are Dalcour Maclaren. Contact:

Patrick Hackett

DBD@dalcourmaclaren.com 07798 917 104

Our fisheries liaison officers from Brown & May Marine Ltd are:

Zoe Lawrence or Alex Winrow-Giffin

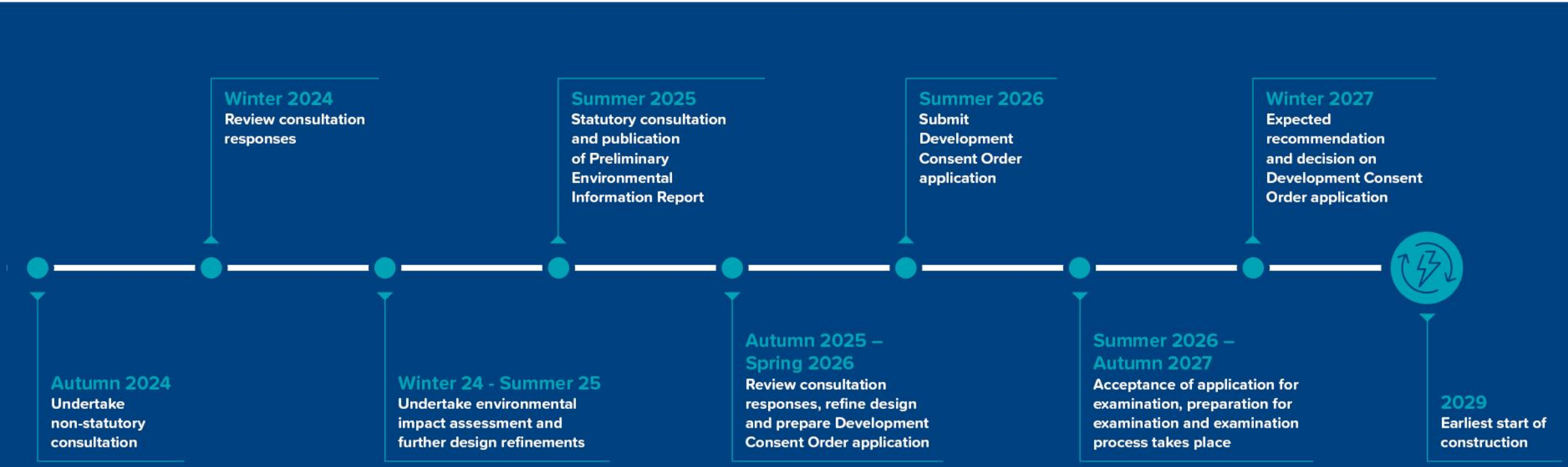
zoe@brownmay.com 07923 138 175
alex@brownmay.com 07760 160 039

Access printed materials

- Beverley Customer Service Centre
- Beverley Customer Service Centre
- Cottingham Library and Customer Service Centre
- Driffield Centre
- Hornsea Customer Service and Library
- Leven Library
- Market Weighton Wicstun Centre

What happens next

- We will read and analyse all feedback sent to us and consider it as we continue to develop our proposals
- After the consultation, we will share a summary of the feedback and explain how it has influenced our plans.



Timings shown are indicative

What happens next

- In 2025 we will hold a statutory consultation where we will:
    - Present our updated proposals for Dogger Bank D
    - Publish our Preliminary Environmental Impact Report
    - Offer another chance for feedback
- This will help shape our final design and planning application.

Consultation closes at midnight **22 October 2024**