

# Dogger Bank News

## Planning Inspectorate accepts latest application

**The Planning Inspectorate has accepted Forewind's second development consent order application for the Dogger Bank Zone, Dogger Bank Teesside A&B.**

The application for the 2.4 gigawatt (GW) development comes eight months after Forewind submitted its first application, for the 2.4GW Dogger Bank Creyke Beck proposal, which is almost half-way through the examination phase.

This means the organisation now has a total of 4.8GW in the planning system, which is more than the total of all installed offshore wind capacity currently in operation in the UK.

Dogger Bank Teesside A&B comprises two

offshore wind farms each with an installed capacity of up to 1.2GW and is proposed to connect to the national grid at the existing Lackenby substation near Eston, in the Borough of Redcar & Cleveland.

The development consent order application was submitted in late March after almost four years of intense preparatory work including surveys and research, reporting and stakeholder engagement activity.

Forewind General Manager Tarald Gjerde said that this acceptance milestone is the outcome of the most extensive offshore survey programme ever undertaken by a UK offshore wind developer, and one of the most comprehensive environmental impact assessments to date.

"We have reached this stage only through positive collaboration between the four project partners, our suppliers and contractors, and due to meaningful and ongoing engagement with all the relevant stakeholders," he said.

Huub den Rooijen, Head of Offshore Wind at The Crown Estate said that this accepted planning application is another great example of how the sector continues to go from strength to strength.

"This success is also a testimony to the hard work and collaborative approach taken by Forewind and we are pleased to have invested in the identification and consenting of these projects."

## New General Manager for Forewind

**Forewind has appointed Tarald Gjerde as its new General Manager and as Project Director of the Dogger Bank Zone.**

He comes to the role from his post as Head of Business Development in Forewind, where has been for the past 18 months. Tarald has been seconded from owner company Statoil, having had more than 15 years' experience with international business development, and more recently within the offshore wind sector. He follows Dr Lee Clarke who leaves to take up a new position.

"It is a privilege to work in Forewind on the Dogger Bank projects with such accomplished colleagues, and I am looking forward to the new challenges the role of General Manager will bring," he said.

"Each of the owner companies is a leading player in offshore wind and key for me will



New Forewind GM, Tarald Gjerde.

be ensuring that, as the development of Dogger Bank progresses, we continue to benefit from the significant skill and experience available from within, and around, Forewind."

## Latest news on Dogger Bank

**This issue of Forewind's Dogger Bank News gives an update on the progress of both the Dogger Bank development consent order applications now in the planning process – Dogger Bank Creyke Beck and Dogger Bank Teesside A&B.**

If you would like to receive this newsletter electronically, please visit [www.forewind.co.uk](http://www.forewind.co.uk) to register your contact details.

Previous editions of this newsletter can also be found on the website while hard copies can be obtained on request.

Dogger Bank Creyke Beck comprises two 1.2GW offshore wind farms – Dogger Bank Creyke Beck A and Dogger Bank Creyke Beck B. Both are located 131 kilometres off the UK coast and cover an area of more than 500 square kilometres each.

# Upcoming hearings open to all

**The hearings for the Planning Inspectorate's examination phase for the Dogger Bank Creyke Beck application are now underway and open to anyone interested in attending.**

The hearings will focus on specific issues, covering in detail key areas such as the Habitat Regulations Assessment, construction impacts or compulsory acquisition.

The first set of hearings took place in early April and included a site visit to the proposed landfall and a number of sites along the onshore cable route, as well as the converter station site.

The second set of hearings is due to begin on Tuesday 3 June, with two further sets scheduled to follow in late June running to early July and in mid July. The dates for the hearings and the proposed broad topics are set out below.

The hearings will take place at various venues in Hull, with the next set all being held at KC Stadium, The Circle, Anlaby Road, HU3 6HU.

The aim is to ensure relevant aspects of the application for the 2.4GW offshore wind energy project can be discussed openly

**The upcoming Dogger Bank Creyke Beck examination hearings will be held as follows:**

Date (2014)	Issue
Tuesday 3 June and Wednesday 4 June	<b>Habitat Regulations Assessment</b>
Thursday 5 June and Friday 6 June	<b>Development consent order/ deemed marine licence</b>
Monday 30 June to Tuesday 1 July	<b>Habitat Regulations Assessment</b>
Wednesday 2 July to Friday 4 July	<b>Issue specific likely to include: fishing, construction and operational effects, socio-economic impacts</b>
Tuesday 15 July	<b>Any remaining issues</b>
Wednesday 16 July to Thursday 17 July	<b>Development consent order/ deemed marine licence</b>

between Forewind, the examining authority and stakeholders. They provide an opportunity to further explore elements of the application and ask questions or gain clarity as needed.

Consent Manager Melissa Read said the hearings are an important part of the examination process, ensuring everyone who wants to have their say has the opportunity to do so.

Details of the locations of the hearings will be published in local newspapers in advance, on the Forewind website and also on the National Infrastructure Planning Portal:

<http://infrastructure.planningportal.gov.uk/projects/yorkshire-and-the-humber/dogger-bank-creyke-beck/>

Agendas will be published there seven days before the hearing and anyone interested in attending should register with the Planning Inspectorate.

The examination process is due to be completed on Monday 18 August and a decision from the Secretary of State is expected in February 2015.

# Application documents in libraries

**All the application documents for the Dogger Bank Creyke Beck development consent order will be available for viewing at local libraries throughout the examination phase.**

The 25 volumes, including the application form and all accompanying documents, plans and maps can be inspected until at least 18 August 2014 at the following venues and times:

## Beverly Library

Champney Road, Beverley, HU17 8HE  
Mon, Wed and Fri: 9.30am to 5.00pm  
Tues and Thurs: 9.30am to 8.00pm  
Sat: 9.00am – 4.00pm  
Sun: CLOSED

## Bridlington Library

14 King Street, Bridlington, YO15 2DF  
Mon to Thurs: 9.00am to 6.00pm  
Fri: 9.00am to 5.00pm  
Sat: 9.00am – 4.00pm  
Sun: CLOSED

## Hull Central Library

Albion Street, Hull, HU1 3TF  
Mon and Wed: 9.30am to 6.00pm  
Tues and Thurs: 9.30am to 7.00pm  
Fri: 9.30am to 5.30pm  
Sat: 10.00am to 4.00pm  
Sun: CLOSED



The 25 volumes making up the Dogger Bank Creyke Beck application can be viewed at local libraries.



Dogger Bank Teesside A&B has the potential to generate around 8 Terawatt hours (TWh) of green power every year, which is equivalent to the electricity used annually by approximately 1.8 million British homes. It could also create up to 4750 new direct and indirect jobs and generate more than £1.5 billion for the UK economy.

## Registration now open

**Having accepted Forewind's application for Dogger Bank Teesside A&B, the Planning Inspectorate will now begin a pre-examination phase in advance of the formal examination process.**

Together these two phases should take around 10 months before a recommendation is forwarded to the Secretary of State to make the final consent decision.

**The indicative timetable is:**

Date	Activity
28 March 2014	<b>Application for development consent order</b>
23 April 2014	<b>Application accepted for examination</b>
15 May to 12 June 2014	<b>Relevant representations submitted</b> (Section 56 consultation)
Q3 2014	<b>Six-month examination phase begins</b> <b>Statements of Common Ground finalised</b>
Q2 2015	<b>Planning Inspectorate recommendation</b>
Q3 2015	<b>Decision by Secretary of State</b>
2015 onwards	<b>Pre-construction, construction and operations</b>

Organisations and individuals wishing to make comments on the application, take part in the examination process or be informed of its progress, are now able to register as an interested party via the National Infrastructure Planning Portal. Closing date for this is 12 June 2014.

Copies of the full applications are also available to review at all local libraries in Redcar & Cleveland and to download from the Forewind website.

## Finding the common ground

**Forewind has started working with relevant organisations to ensure it has a head start in preparing Statements of Common Ground (SoCG) for Dogger Bank Teesside A&B.**

Statements of Common Ground are written statements prepared jointly by Forewind and its stakeholders to clearly set out areas of agreement and disagreement about the application. They help streamline the planning process by identifying key issues early in the examination phase.

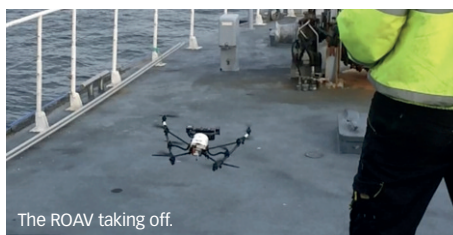
The Planning Inspectorate will use the SoCGs to help ensure that the evidence presented during the examination focuses on the material differences between Forewind and its stakeholders, hopefully leading to a more efficient process.

Dogger Bank Teesside A&B Project Manager Chris Nunn emphasised that it was important to get the SoCGs underway early and ensure all the key areas are covered.

"We anticipate developing statements with around 65 organisations including parish councils, environmental groups, statutory and non-statutory stakeholders," he said.

"While the deadline is not likely to be until September, we are conscious that the time will pass quickly, so I would encourage anyone planning on making a relevant representation to also get in touch with us about their SoCG."

## Remote-controlled drone inspects met masts



The ROAV taking off.

**A remote-controlled drone with four helicopter-like rotors, weighing no more than two kilograms and equipped with a camera has been successfully used to inspect Forewind's meteorological masts.**

The innovative approach to inspection borrowed a technique from the oil and gas sector where remotely operated aerial vehicles (ROAV) are employed to assess offshore components that are difficult or risky to access.

Operated by a two-man crew sitting safely on a nearby vessel the ROAV was flown by a dedicated 'pilot' while an inspection engineer controlled the camera and took photos and video of the lattice towers and platforms of both Dogger Bank masts.

The high-definition images were then assessed to inspect the structure of the lattice tower, evaluate the bolt connections and review the overall state of the masts. The information was used to efficiently prepare for a scheduled maintenance trip.

Forewind Operations and Safety Manager Nachaat Tahmaz said the technique reduced the health and safety risks associated with transferring to the platform from a vessel, or climbing up the towers to work at height.

"While we still need to sail to the meteorological masts for on-site maintenance, this preliminary inspection technique helped us plan that visit and assess the type of work that would be needed once we arrived," he said. "It definitely has the potential to be used more widely across the offshore wind industry."



# The economic opportunity that is Dogger Bank

**A report on the jobs and other economic benefits offshore wind development on the Dogger Bank would bring is now available on the Forewind website.**

Based on the study carried out by management consultancies GENECON and Parsons Brinckerhoff, the report confirms that the Dogger Bank projects represent a real opportunity for the UK and regional economies, particularly in the North East and Yorkshire & the Humber (NE&YH).

The study looked at three alternative build out options – two, four or six 1.2 GW projects – and each was considered in terms of high or low UK supply chain content. The difference in supply chain content mostly depends on the UK's ability to secure more manufacturing facilities, such as the Siemens turbine fabrication plant on the Humber, which was recently confirmed as going ahead.

Forewind Head of Engineering, Mark Legerton said the report highlights the fact that the Dogger Bank projects could be significant contributors to the Government's agenda for growth.

## Huge opportunity

"Dogger Bank represents a huge opportunity for the UK but to maximise the potential economic benefits more manufacturing companies would ideally set up operations here," he said. "This would provide a focal point for the offshore wind industry and foster the development of a local supply chain cluster."

"The potential investment opportunities should provide added incentive for the Government and authorities to focus efforts on doing as much as possible to encourage and support the industry."

Forewind currently has two development consent order applications for four projects totaling 4.8GW in the planning system – Dogger Bank Creyke Beck and Dogger Bank Teesside A&B.

With its current industrial base, the UK could provide up to 38 per cent of the total content of the Dogger Bank projects, and for the mid-scenario of four wind farms, this equates to an investment of close to £7 billion.

However, with more new relevant manufacturing facilities established, UK based companies could secure up to 72 per cent of the content, equal to an



Image supplied courtesy of Gwynn y Môr Offshore Wind Farm Limited



Photo by CHPV

The Dogger Bank projects could create thousands of new jobs and many supply chain opportunities.

investment of around £13 billion in the four project scenario.

These four Dogger Bank projects alone could create more than 4500 new jobs and generate an additional £1.6 billion\* for the UK economy.

But the successful establishment of new manufacturing facilities in the UK could see around 9000 jobs created giving a £3.4 billion\* boost to the national and regional economy.

## North East and Yorkshire & the Humber

"Both the location of Dogger Bank and the technical requirements for delivery present a substantial opportunity, particularly for the North East and Yorkshire and the Humber regions," he said.

"Their historic strengths, existing skills in large-scale production and marine support facilities add weight to the locational advantages."

The report notes that the highest number of new jobs will be in the manufacturing, construction and installation phases of the Dogger Bank projects. However the jobs in the operation & maintenance phases will be longer term and will individually generate a higher return to the UK economy.

"Operation and maintenance jobs in particular provide long-term sustainable employment gains and in effect create jobs for generations," he said.

"The report has substantiated and put figures on much of what we have assumed

about the Dogger Bank development, in that it represents enormous potential in terms of investment, jobs and added economic benefits for the UK."

Commenting on the report, Adrian Fox, Programme Manager Supply Chain and Technology at The Crown Estate, said that as manager of the UK seabed, The Crown Estate welcomed the report on the potential economic benefits of the Dogger Bank projects which highlights the real opportunity they present to help support and bolster the UK and regional economies.

"Importantly, this report flags the role that an increasing offshore wind manufacturing base in the local area could play in further strengthening the creation of jobs and investment created through Dogger Bank, benefiting both Yorkshire and the Humber and promoting the UK as a global leader in the development and operation of offshore wind technology."

*\* This figure represents Gross Value Add (GVA) or the contribution to the economy of each individual producer, industry or sector. It is the primary measure of productivity in the UK.*

## Forewind

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