

Dogger Bank News

Final consultation for Dogger Bank Teesside A & B

The final phase of pre-application consultation for Forewind's second stage of offshore wind energy development, Dogger Bank Teesside A & B, will run for seven weeks from Monday, 4 November.

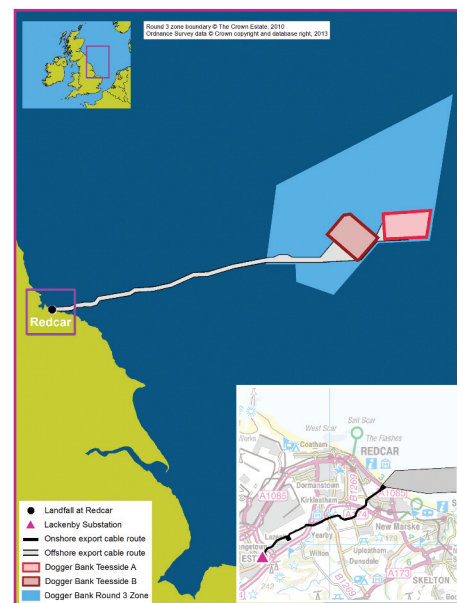
The consultation, which starts with the publication of documents, plans and maps about the proposed development, will continue until Friday, 20 December and will include three public events to be held in venues near the proposed landfall and cable route, at Redcar and Lazenby.

This consultation is the result of almost four years of work including onshore and offshore environmental and engineering surveys, consultation and technical assessments.

Project Manager Chris Nunn said it is the main opportunity for stakeholders, including members of the public, to view and comment on the proposals before the consent application is submitted.

"The aim of this consultation is to gather views and feedback on the proposals, and give those with an interest in the project another opportunity to influence the way Dogger Bank Teesside A & B is developed," he said.

Forewind's consultation documents will be available to view at the public events; at local libraries during the consultation period, which concludes on Friday, 20 December; and to download from www.forewind.co.uk along with electronic feedback forms.



Map of proposed Dogger Bank Teesside A & B development

More details on page 3.

First application accepted for examination

The Planning Inspectorate has accepted Forewind's development consent order application for the first stage of offshore wind energy development on the Dogger Bank Zone.

The application for Dogger Bank Creyke Beck, comprising two offshore wind farms with a total installed capacity of up to 2.4 gigawatts (GW), was accepted for examination in September after more than three years of onshore and offshore surveys and research work, reporting and stakeholder engagement activity.

The acceptance of the application by the Planning Inspectorate represents the culmination of one of the most comprehensive and thorough environmental impact assessments ever undertaken by an offshore wind developer. This has been



The proposals for Dogger Bank Creyke Beck comprise two offshore wind farms, up to 1.2 GW each

achieved through close collaboration between the project partners, suppliers and contractors, and positive dialogue with the many and varied stakeholders.

Forewind General Manager Lee Clarke said that the team now looks forward to continued engagement with stakeholders in the examination phase to ensure a positive outcome, with the benefits that this will bring in terms of the economy and the generation of renewable energy.

Latest news on Dogger Bank

This issue of Forewind's Dogger Bank News focuses on the next stages for Dogger Bank Creyke Beck following acceptance of the application and the consultation plans for Dogger Bank Teesside A & B.

To receive a copy electronically, please visit www.forewind.co.uk and register your contact details. Previous issues of this newsletter can also be found on the website, or contact us to request hard copies.

Final offshore survey ends four-year campaign

The final survey needed for Forewind to complete its planning applications for the development of the Dogger Bank Zone began in October.

The survey marks the end of a four-year campaign to provide all the data Forewind requires for its applications, and to develop appropriate mitigation strategies. A total of £60 million has been spent with the vast majority of work going to UK-based contractors.

Forewind's aim has been to thoroughly map and characterise the 8660 km² zone, located between 125 and 290 kilometres off the UK coast, which could site at least 7.2 GW of wind generation capacity.

This latest survey on fish ecology by UK contractors Brown & May Marine Limited, Jubilee Fishing Company Limited and Hull-based Precision Marine Surveys Limited, concludes the most extensive study of an offshore area ever undertaken by a wind energy developer.

Since winning the rights to develop Dogger Bank in January 2010, Forewind has initiated



Previous offshore surveys have helped Forewind gain unparalleled data on the Dogger Bank Zone.

a huge range of bird and marine mammal, geotechnical, geophysical, benthic and fish ecology surveys to understand and characterise the seabed, environment and marine conditions.

Contractors have included: Gardline Environmental, working out of Sunderland and other ports; HiDef Aerial Surveying, based in Cumbria; Gardline Geosurvey Limited, headquartered in Norfolk; Fugro EMU Limited, a UK firm based in



Southampton, and Titan Environmental Surveys Limited based out of Bridgend.

General Manager Lee Clarke gave thanks to the contractors stating: "This has been a mammoth task and it would not have been possible without the depth and breath of expertise provided by our contractors who have operated in challenging conditions and within tight timeframes to deliver the necessary results."



**DOGGER BANK
CREYKE BECK**

Dogger Bank Creyke Beck comprises two separate wind farms, each with up to 200 turbines. Together they will comprise around 950 kilometres (590 miles) of inter-array cabling, up to two offshore substations, 32 kilometres of onshore cabling and two new converter stations near to the grid connection at the existing Creyke Beck substation.

Next steps for consent

The decision on granting the development consent order for Dogger Bank Creyke Beck is expected in late 2014 so work does not finish for Forewind with the acceptance of the application.

The Planning Inspectorate has begun its pre-examination phase for the development, which will be followed by a formal examination process. Together these two steps should take around 10 months. A recommendation will then go to the Secretary of State for Energy and Climate Change who will make the final consent decision.

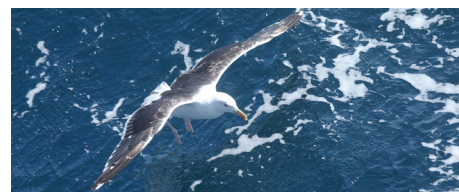
Organisations and individuals who wish to make comments on the application, or be informed of the progress of the

examination, can register as an interested party with the Planning Inspectorate until Friday, 8 November.

A Registration and Relevant Representation form can be filled in on the National Infrastructure Planning portal or a paper version can be requested via the helpline on: 0303 444 5000.

Copies of documents that make up the full application are available to review at a number of local libraries in Hull and the East Riding of Yorkshire and to download from www.forewind.co.uk. DVD copies of the documents can be ordered free from Forewind, while hard copies can be provided for a production and postage fee.

Consultation on bird data



Forewind has launched a consultation on an ornithology addendum (relating to the cumulative and in-combination assessment) for the Dogger Bank Creyke Beck development consent order application. The addendum, available to download at www.forewind.co.uk, was produced following the receipt of additional ornithology data relating to other offshore wind projects in the North Sea and the preparation of further environmental information on the ornithology assessment.

Responses or representations relating to this consultation should be emailed to info@forewind.co.uk or posted to the Freepost address on the back page by Friday, 8 Nov 2013.



DOGGER BANK TEESSIDE A & B

Dogger Bank Teesside A & B will comprise two up to 1.2 GW offshore wind farms which will connect via underground cables into the national grid at the existing Lackenby substation, in Redcar and Cleveland. Two new converter stations are also proposed for the south-western corner of the Wilton complex. With a total installed capacity of up to 2.4 GW, it 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.

Have your say at public events

Forewind has scheduled three public events in November as part of the final consultation phase before the application for Dogger Bank Teesside A & B is submitted to the Planning Inspectorate in 2014.

The aim of the events is to enable stakeholders, in particular those living or working near the proposed landfall and cable route, to learn all about the project and respond with comments and opinions.

The consultation documents, including the draft Environmental Statement and a Non-Technical Summary, will be available to view at the events, which will also feature display panels and opportunities for visitors to meet Forewind staff and discuss the proposals.

All stakeholders are encouraged to attend to gain an overview of the proposed development and its potential impacts.

Consultation responses can be submitted in person at the public events, by email, to our Freepost address or by calling Freephone 0800 975 5636.



Map of the public consultation event venues.

Following the consultation, Forewind will consider feedback and responses from stakeholders and make any necessary changes before submitting the application for a development consent order to the Planning Inspectorate.

A summary of responses received and how they have affected the development will be included in the next edition of this newsletter.

Where to view consultation documents

Hard copies of the Dogger Bank Teesside A & B consultation documents, along with the new SoCC, can be viewed from 4 November until at least 20 December 2013 at these locations:

Grangetown Library
172 Birchington Avenue, Middlesbrough, TS6 7LP

Guisborough Library
90 Westgate, Guisborough, TS14 6AP

Laburnum Road Library
338 Laburnum Road, Redcar, TS10 3QS

Marske Library
Windy Hill Lane, Marske-by-the-Sea, Redcar, TS11 7BL

Redcar Central Library
Redcar & Cleveland House, Kirkleatham Street, Redcar, TS10 1RT

Roseberry Library
Roseberry Road, Redcar, TS10 4NY

Saltburn Library
Windsor Road, Saltburn-by-the-Sea, TS12 1JW

DVDs are available from these locations:

Kirkleatham Museum
Kirkleatham, Redcar, TS10 5NW

Mobile Library
c/o Roseberry Library (For locations and times contact Roseberry Library on 01642 483326)

The Wilton Centre
Wilton, Redcar, TS10 4RF

Alternatively the documents can be downloaded from www.forewind.co.uk.

New Statement of Community Consultation published

Forewind has published a new Statement of Community Consultation (SoCC) for Dogger Bank Teesside A & B to describe

how the organisation proposes to consult the local community about its development proposals.

Published in accordance with Section 47 (6)(b) of the Planning Act 2008 the SoCC is an update to the one published in May 2012 for Dogger Bank Teesside and is now on the Forewind website.

As Dogger Bank Teesside has now been split into two separate development consent order applications for Dogger Bank Teesside A & B and Dogger Bank Teesside C & D, a new SoCC specifically for the Dogger Bank Teesside A & B application was required.

A separate SoCC will be published for Dogger Bank Teesside C & D at a later date.



Brave Tern installs the second met mast on Dogger Bank.

Second meteorological mast installed

The second of two planned meteorological masts was erected at Dogger Bank in September using the innovative suction installed Bucket Foundation and a "human free" technique for the steel tower placement.

Both masts – Dogger Bank Met Mast East, which was installed in March, and the most recent Dogger Bank Met Mast West – will provide essential wind, wave and other weather information, as well as marine traffic data for the Dogger Bank development.

Installed by Fred. Olsen United (now Universal Foundation Norway) utilising the 132m jack-up vessel Brave Tern, the operation was completed smoothly and without any accidents or injuries.

The foundation was installed by applying suction in the bucket, to pull it into the seabed. Hundreds of water jets integral to the base steered the foundation to keep it level during its installation. Next the 93m lattice tower was manoeuvred into place using a "human free" technique employing guide cones, and therefore enabling the crew to stay on deck and avoid lifting hazards.

The use of a new foundation technology combined with the safer installation technique shows how the growing offshore wind industry provides companies and contractors with the scope to put new ideas into practice for the benefit of all.

The scale and scope of the Round 3 projects like Dogger Bank will continue to provide opportunities to introduce innovative technological advances and improved methods that will help reduce costs and improve efficiencies industry-wide.

Borehole survey in November

Forewind contractor VolkerInfra will carry out a borehole survey in November near the site where the Dogger Bank Teesside A & B and Dogger Bank Teesside C & D export cables are proposed to come to shore.

The survey will determine the typical nature and thickness of the ground and soil strata, and recover samples of groundwater for laboratory testing, which in turn will determine the type of cable installation method proposed for the developments.

A drilling rig and land rover will be on the site, near the railway line between Redcar and Marske-by-the-Sea, for around a week before the area will be restored to its pre-test condition.

Third group of champions appointed

Ten teachers from Hull, East Riding and Teesside schools have been appointed 'wind energy champions' as the third cohort of Forewind's innovative education initiative, Champions for Wind gets underway.

The teachers will receive bursaries to develop and implement wind energy careers related activities for their students as part of the initiative being run by Hull-based Humberside Engineering Training Association (HETA).

Champions for Wind began late in 2011 with the recruitment of 10 teachers from Hull and East Riding of Yorkshire as "wind energy champions". In mid-2012 a further

10 teachers were selected in Teesside. Applications for the third cohort of teachers from across the areas closed in mid-October, with significant interest from schools throughout the areas.

More than 2000 students to date have been involved with the programme and this latest phase will mean up to 1000 more young people will have the opportunity to learn about offshore wind energy and the wide range of careers offered by the industry.

The champions will take part in an introductory workshop then work with careers advisors to design and develop curriculum-based resources that are relevant to their students, schools and local area.

Forewind

Email: info@forewind.co.uk
 Freephone: 0800 975 5636
 Post: Freepost RSLY-HKGK-HEBR
 Davidson House
 Forbury Square
 Reading RG1 3EU