

Norfolk Boreas Offshore Wind Farm

Consultation Report

Appendix 28.4 February 2019

newsletter

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Vattenfall in Norfolk Newsletter February 2019

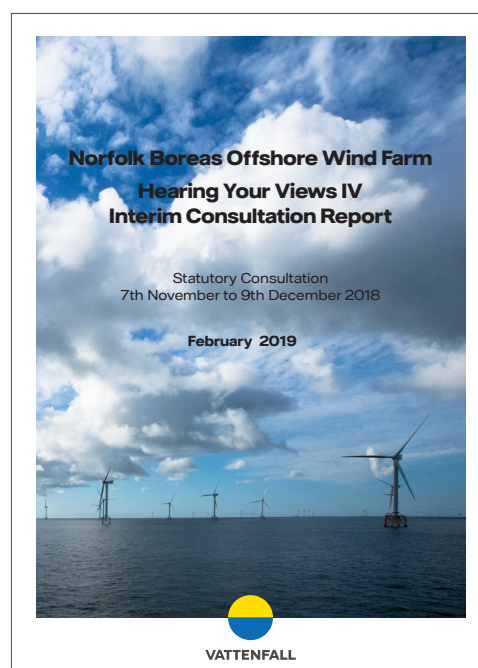
Hello

Welcome to the latest edition of your Vattenfall in Norfolk newsletter.

This edition will report on the feedback we received during the formal consultation on the proposed Norfolk Boreas Offshore Wind Farm, which we ran at the end of 2018. We also describe the next steps that we will take before we submit our Development Consent Order (DCO) application in summer 2019.

We will also look at the ongoing examination, led by the Planning Inspectorate, on the Norfolk Vanguard project that began in December 2018, and that continues over the coming months.

Finally, you can also read about what we've been up to around Norfolk since the last edition of the newsletter, and take a look ahead to community activities coming up later in the year.



Hearing Your Views IV

We have published our latest edition of Hearing Your Views IV following the statutory consultation carried out on the proposed Norfolk Boreas Offshore Wind Farm.

This provides a summary of how we consulted, the high-level statistics from the consultation, the feedback received and a summary of the key issues raised.

In this newsletter, we take a look at some of the key findings presented in Hearing Your Views IV. If you would like to read the report in full, you can find it on our website here: <https://corporate.vattenfall.co.uk/projects/wind-energy-projects/vattenfall-in-norfolk/norfolk-boreas/documents/>.

In this newsletter:

- Hearing Your Views IV published
- Feedback from the Norfolk Boreas Consultation
- Norfolk Vanguard update
- Vattenfall out and about in the community
- How to stay in touch

Norfolk Boreas Offshore Wind Farm - what we learned during the latest round of (formal) consultation

Between November 7th and December 9th 2018, we held a period of statutory consultation on our proposals for the Norfolk Boreas Offshore Wind Farm. More than 360 people attended our seven public drop-in events.

This period of consultation built upon extensive work that has already taken place for both the Norfolk Boreas and Norfolk Vanguard projects, and reflected the substantial refinement that we have already made to our proposals. In particular, local people and stakeholders were able to review our Preliminary Environmental Information Report for the project (PEIR), which included information about the environmental assessments and proposed mitigation.

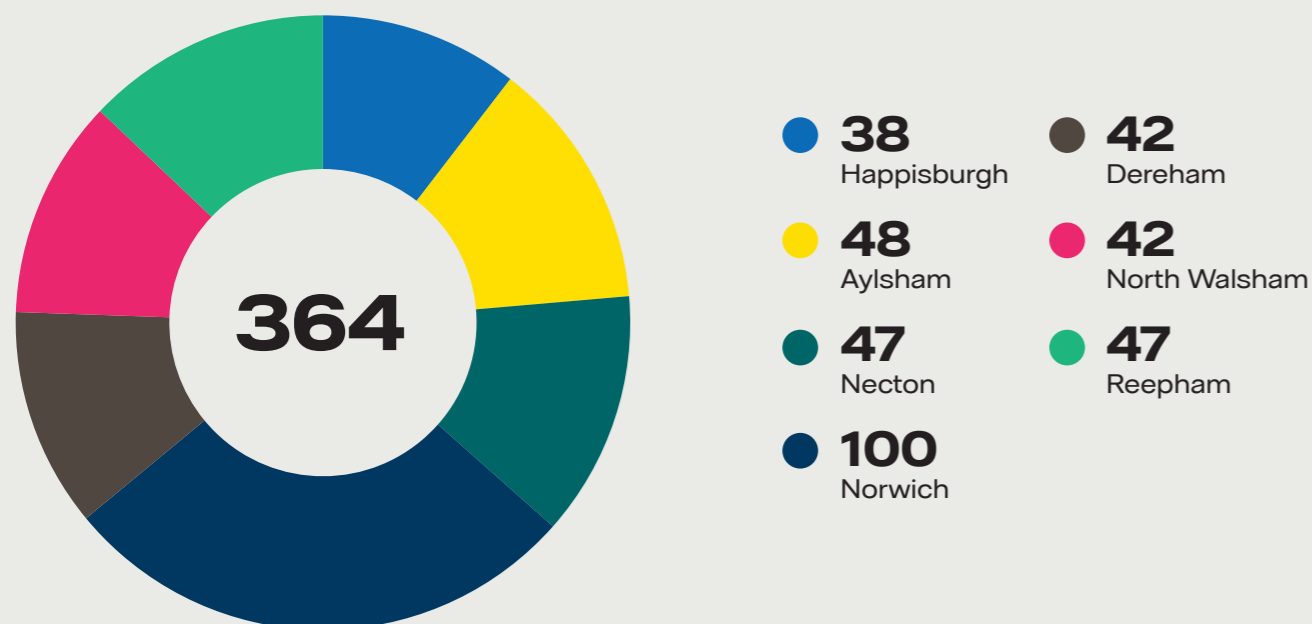
In order to encourage and enable as many local people as possible to participate we prepared a variety of consultation materials, ranging from the Consultation Summary Document, to the interactive 3D model available at the consultation events.

The depth and breadth of feedback from those across the onshore project area and beyond, is greatly appreciated. It provides us with useful pointers to consider as we finalise our proposals, ahead of submitting our Development Consent Order (DCO) application to the Planning Inspectorate this summer.

Attendees at Norfolk Boreas Statutory consultation events

Interestingly, the drop-in event in Norwich attracted the highest number of attendees. A number of those who visited the exhibition in Norwich had not necessarily planned to engage in the statutory consultation, but having viewed the exhibition materials, several spent a considerable amount of time speaking with the project team and expressed their interest in the project and in renewable energy. Many expressed hope that the project would deliver work and training opportunities for people in Norfolk and the region.

At the other public events, which were all situated in the same villages and generally the same venues as previous consultations, people were purposefully participating in order to find out more about project proposals. Attendees were often more familiar with our proposals having attended previous consultation events and had specific questions they wanted to discuss with the project team.



Feedback received

We received 100 pieces of written feedback (consultation forms, online questionnaire responses, e-mails and letters), from members of the public, local groups and representatives, and statutory consultees.

Several new ideas and concerns were raised in response to the increasing level of detail set out in the PEIR. We are very grateful to all those who responded to this consultation.

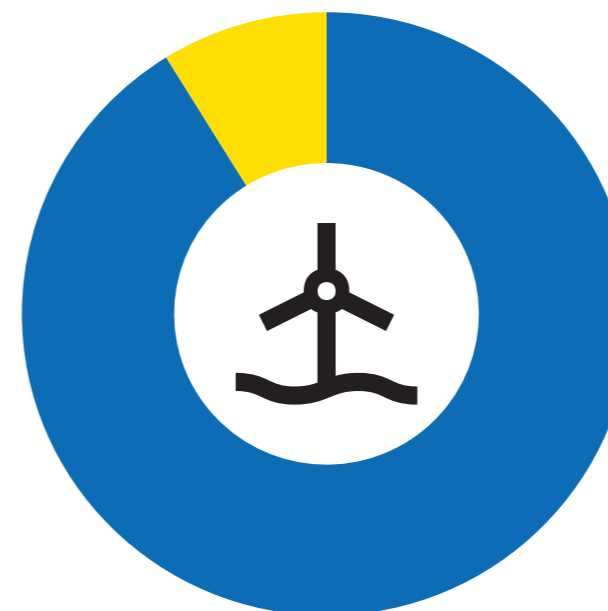
Attitudes towards offshore wind

Throughout the informal and formal consultation processes for the Norfolk Vanguard and Norfolk Boreas offshore wind farms, we have been keen to understand local Norfolk communities' views on renewable energy and offshore wind.

majority of respondents are supportive of the development of offshore wind in the UK and therefore support the principle of projects such as Norfolk Boreas. This is shown in the graph below.

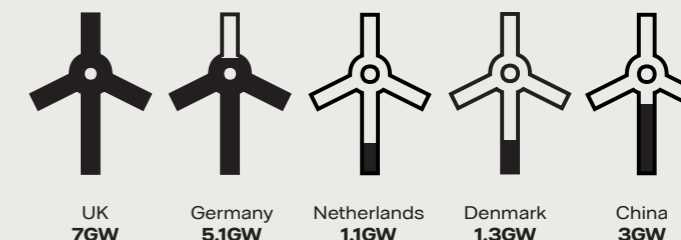
We asked the community for their views on offshore wind in the UK during the latest Norfolk Boreas consultation. The feedback indicated that a large

This percentage of support has increased since the results of the Norfolk Vanguard consultation, which indicated 88% of people were supportive of the development of offshore wind in the UK.



- 91%** I am supportive of the development of offshore wind in the UK
- 9%** I do not support the development of offshore wind in the UK

The UK is NO.1 in the world for installed offshore wind generation capacity (2018)¹



¹Offshore Wind Industry Prospectus 2018. Prepared by ORE Catapult and the Whitmarsh Supply Chain Review Team on behalf of the Offshore Wind Industry Council (OWIC). https://cdn.ymaws.com/www.renewableuk.com/resource/resmgr/publications/catapult_prospectus_final.pdf

Key themes that emerged

The themes which attracted most attention from respondents were construction and traffic impacts; visual impact of the onshore project substation; the transmission system and use of HVDC; education, skills and employment; and consultation and engagement. The ideas and concerns raised by participants are described in detail in the Interim Consultation Report, as are our preliminary comments and responses – you can find the Hearing Your Views IV here: <https://corporate.vattenfall.co.uk/projects/wind-energy-projects/vattenfall-in-norfolk/norfolkboreas/documents/>.

We also note a shift in the nature of the responses compared to previous consultation feedback. The proportion of comments relating to the project design overall and the red line boundary was very low. Most participants offered their views about potential impacts they anticipate during construction, and identified opportunities to implement local mitigation. Many of the points and ideas raised will be considered in various construction activity management plans.

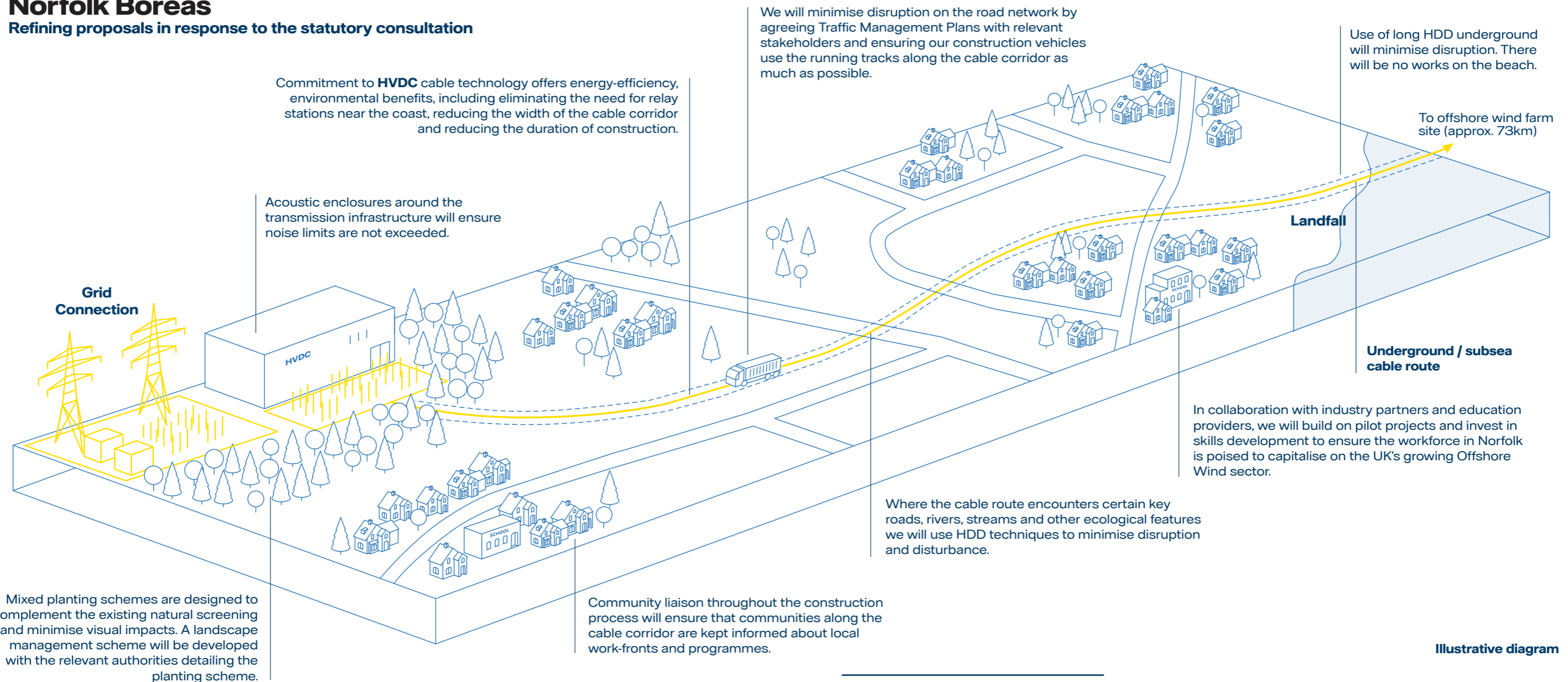
Changing responses to consultation over time

It's interesting to look back to the statutory consultation for Norfolk Vanguard, at the end of 2017, when we received 780 written responses. By far the most common theme raised by consultees then was whether or not we could commit to deploying an HVDC transmission system. More than 95% of those raising this point wanted us to rule out deploying an HVAC system². We have done so, for both Norfolk Vanguard and Norfolk Boreas, and addressed other key topics and concerns too³.

Verbal feedback from local people who attended our drop-in events supports our sense that, while many detailed aspects of the design and construction methodologies remain to be addressed, there is a growing local acceptance for the broader project proposals. Several issues of particular significance to local people and stakeholders have been addressed, and Vattenfall's commitment to sensitive design, through innovation, collaboration and good engagement is recognised.

Norfolk Boreas

Refining proposals in response to the statutory consultation



Illustrative diagram

² See Hearing your Views III: <http://bit.ly/NVICReport>

³ The February 2018 newsletter: <http://bit.ly/2GO9EQO> provides a summary of how Norfolk Vanguard and Norfolk Boreas proposals were refined in response to the 2017 statutory consultation period.

Norfolk Boreas next steps

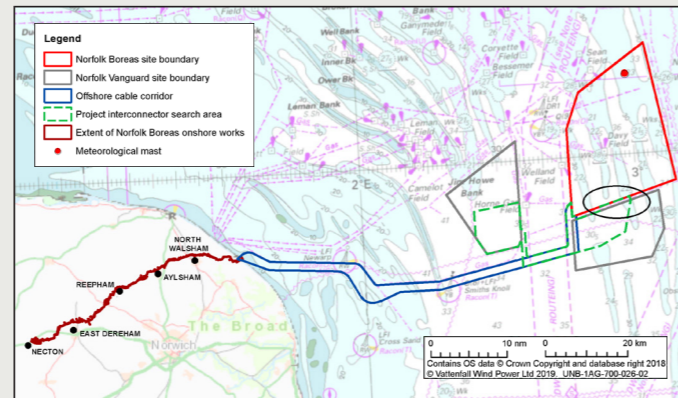
Surveying for the Norfolk Boreas Environmental Impact Assessment (EIA) process is very nearly complete, and our focus is to have due regard of all the feedback we have received during the statutory consultation period. We are also continuing our discussions with landowners along the cable route.

At the start of February 2019, we started an additional targeted consultation with relevant statutory consultees for a very specific minor amendment to the project's offshore order limits. The proposed change would slightly extend the project's order limits to enable project interconnection links directly from Norfolk Boreas to Norfolk Vanguard (East) - see map.

The proposed interconnection between Norfolk Vanguard and Norfolk Boreas can help deliver lower environmental impacts offshore, provide cost-efficiencies, and build resilience into the HVDC export system. The proposed change has no effect on any of the onshore proposals presented to you in the recent consultation.

We are preparing our Norfolk Boreas Development Consent Order application documents, including the full Consultation Report, and plan to submit these to the Planning Inspectorate in summer 2019.

Proposed change to Norfolk Boreas offshore order limits



Skills and supply chain engagement

In September 2018, an event at the University of East Anglia allowed students to showcase what they learned about the offshore wind industry through use of a bespoke 3D tool, which involved designing an offshore wind farm similar to the Norfolk Vanguard project.

A second event in December 2018 for local businesses, was run in collaboration with Norfolk County Council, Norfolk Chamber of Commerce and EEEGR. Participants explored the opportunities arising from onshore construction works required to deliver the Norfolk Vanguard and Norfolk Boreas projects.

Reports from these events can be found here: <http://bit.ly/2T5u6SZ>.

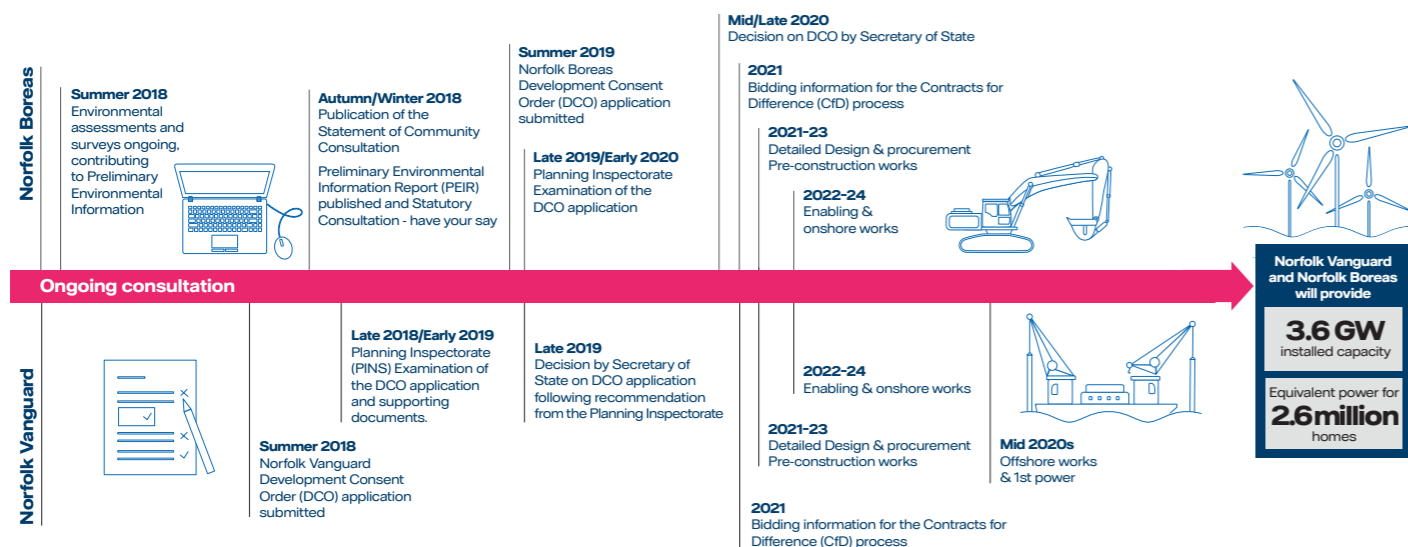


Supply chain event, December 2018. Photography by Julian Claxton/CHPV/Vattenfall

Norfolk Vanguard update

In July 2018, the Planning Inspectorate accepted our DCO application. The examination process began with a Preliminary Hearing and Open Floor Hearing on December 10th. The examination timetable has been defined by the examining authority and you can view it here: <http://bit.ly/2RJd3d0>. Further information can be accessed via - <https://infrastructure.planninginspectorate.gov.uk/projects/eastern/norfolk-vanguard/> and you can view the notices we published at the start of 2019 on our website: <https://corporate.vattenfall.co.uk/projects/wind-energy-projects/vattenfall-in-norfolk/norfolkvanguard/documents/>.

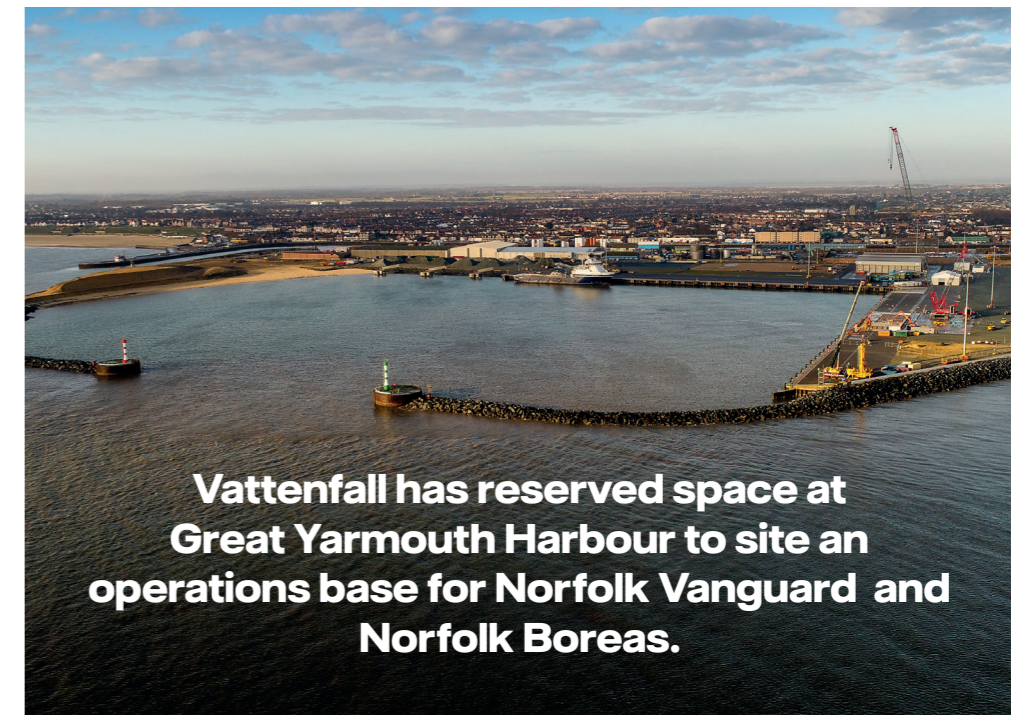
Norfolk Vanguard and Norfolk Boreas Indicative Timeline




The Norfolk Vanguard and Norfolk Boreas projects are forecast to provide

300+ jobs

during onshore construction over a 2 year period




Vattenfall has reserved space at Great Yarmouth Harbour to site an operations base for Norfolk Vanguard and Norfolk Boreas.


Great Yarmouth Harbour, courtesy of Peel Ports Group. (<https://group.vattenfall.com/uk/newsroom/news-press-releases/pressreleases/stories/offshore-wind-confidence-booster-for-norfolk-as-energy-company-plans-great-yarmouth-home>)

Delivering prosperity and productivity in coastal areas through clean growth


2030 Vision




£48bn
£48bn investment in UK infrastructure



£2.6bn
Exports increase fivefold to £2.6bn per annum



£2.4bn
£2.4bn reduction in electricity costs to consumers



27,000
27,000 skilled jobs

("A sea of opportunity" a vision for the offshore wind industry, produced by the Offshore Wind Industry Council)

Vattenfall - out and about in the community

Since the last Vattenfall in Norfolk newsletter we have been busy in the community.

In October 2018, we attended the Norwich Science Festival with support from Rebecca and Tommy, two of the local internship students supervised by Vattenfall last summer. On our stand at the festival, we displayed the impressive wind farm models they helped to create during their internships.

Danielle Lane, Vattenfall's UK Country Manager, appreciated the opportunity to speak at Offshore Wind Week (OWW) and the Gt. Yarmouth Borough Council Leader's Christmas Reception. Her theme was Vattenfall's commitment to enabling climate smarter living within one generation, and the roles of Norfolk Vanguard and Norfolk Boreas in driving technological advances through innovation to generate low cost power, for an increasingly electrified way of [living](#), [working](#), [manufacturing](#) and [travelling](#).



Norwich Science Festival, October 2018. Photography by John Best, Best Proactive.

Coming up: The Norwich and Norfolk Eco Awards

This event recognises the unsung environmental individuals, projects and schemes with a strong ecological or environmentally-friendly ethos, and groups and organisations which can show they adopt a sound eco approach to their business. Norfolk Vanguard and Norfolk Boreas are proudly sponsoring the event again this year. You can find out more information about the event and vote for your eco-heroes here: www.eco-awards.co.uk.

Interested in large scale renewable energy/offshore wind?

Renewables provide nearly a third of UK power and half of this is generated by wind energy. Statistics to back this bold comment can be found here: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/766383/Renewables.pdf and here: <https://www.renewableuk.com/page/WindEnergy>.

The UK is the world's leading player in the offshore wind sector. The east of England is fast becoming an important hub for the sector, which has set out ambitious [plans for a transformative sector deal](#) that will generate tens of thousands of [highly-productive, skilled jobs](#) across the UK and make offshore wind the backbone of a clean, reliable and affordable energy system.

Are you a member of a group or local society (e.g. Rotary, WI, U3A, hockey club) that would like to know more about Vattenfall's proposed Norfolk projects? If so, why not invite our Local Liaison Officer, Susan Falch-Lovesey, to share an engaging presentation and interactive experience. **It's time you knew more.** Contact Sue by emailing susan.falch-lovesey@vattenfall.com.

Contact us

Norfolk Boreas enquiries

Email: info@norfolkboreas.co.uk
 Freephone: 0800 019 3517

Norfolk Vanguard enquiries

Email: info@norfolkvanguard.co.uk
 Telephone: 01603 567995

Community enquiries

Email: susan.falch-lovesey@vattenfall.com

Landowner enquiries

Email: vattenfallinnorfolk@consentsolutions.com

Maritime enquiries

Email: jonathan@brownmay.com

Supply chain enquiries

Email: rob.lilly@vattenfall.com