

# **Norfolk Boreas Offshore Wind Farm**

## **Hearing Your Views IV**

### **Interim Consultation Report**

Statutory Consultation  
7th November to 9th December 2018

**February 2019**



**VATTENFALL**

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# Thank you

Thank you to everyone who attended a drop-in event or provided feedback during the period of statutory consultation for the Norfolk Boreas Offshore Wind Farm project. We hope you were able to engage in productive discussions with our project team and found the information available online and elsewhere useful in helping you respond to the project proposals.

People that have followed the development of the Norfolk Boreas and Norfolk Vanguard Offshore Wind Farm projects over recent years, will have seen how much the two projects have evolved and how much your feedback has influenced our thinking. Your comments, knowledge and local insight have been paramount in the evolution and refinement of both projects and we would like to thank you for your continued interest and input.

Those who participated in previous consultations, we hope your feel that your views have been taken into consideration and your feedback addressed. In our 2017 statutory consultation for Norfolk Vanguard, one of the main concerns from local communities was the social and environmental impact of the cable relay stations near Happisburgh. We listened, and a major milestone for both projects was our decision to commit to using High Voltage Direct Current (HVDC) transmission technology in our project design. This not only removes the need for the cable relay stations, but also reduces the width of the cable corridor and the duration and extent of construction works. Our early commitment to undergrounding cables and the proposed construction methodology – laying all ducting at once – means that if both projects go ahead, the major trenching and reinstatement construction works will be completed in any single locality via section-by-section workfronts in a relatively short timeframe (days or weeks, rather than months or years).

We have also continued to seek to embed other mitigation within our design by siting required infrastructure sensitively and by including additional planting or acoustic insulation within the proposals for example, in order to limit and, where possible, eliminate local impacts. We believe local and expert stakeholder guidance from communities as well as statutory consultees has resulted in project proposals which are sensitive to local issues and can efficiently deliver clean, renewable energy at an economically efficient cost to the UK consumer. This collaboration, we believe, has contributed to more robust and sustainable decision-making in relation to our proposals, which in turn results in a broader local acceptance, and consequently, lower levels of feedback during statutory consultation (of Norfolk Boreas' statutory consultation for example).

If consented, Norfolk Boreas will secure the equivalent electricity needs of 1.3 million UK households<sup>1</sup>, help meet a key commitment within the UK's Industrial Strategy to "lead the world in delivering clean energy technology" and enable economic growth and productivity across the whole of the UK. Vattenfall is committed through open engagement and innovation to developing climate-smarter technology, and projects such as Norfolk Boreas, which can make a significant contribution to helping the UK meet its legally binding carbon saving targets.



**Graham Davey**  
Project Manager, Norfolk Boreas Limited

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<sup>1</sup> Number of homes equivalent: This is calculated using the most recent statistics from the Department for Business, Energy and Industrial Strategy showing that annual UK average domestic household consumption is 4,115kWh: <http://www.renewableuk.com/page/UKWEDExplained>



# Executive summary

Statutory consultation for the Norfolk Boreas Offshore Wind Farm (the Project) took place between 7th November and 9th December 2018.

This report provides a summary of the statutory consultation including how we advertised opportunities to get involved, how people chose to take part, the feedback received and how we have responded to the key themes that emerged. The statutory Consultation Report will be submitted to the Planning Inspectorate as part of our application for a Development Consent Order (DCO) in summer 2019, and will provide a record of all engagement (formal and informal) that has taken place since the project's inception. The Planning Inspectorate display DCO documents on their website.

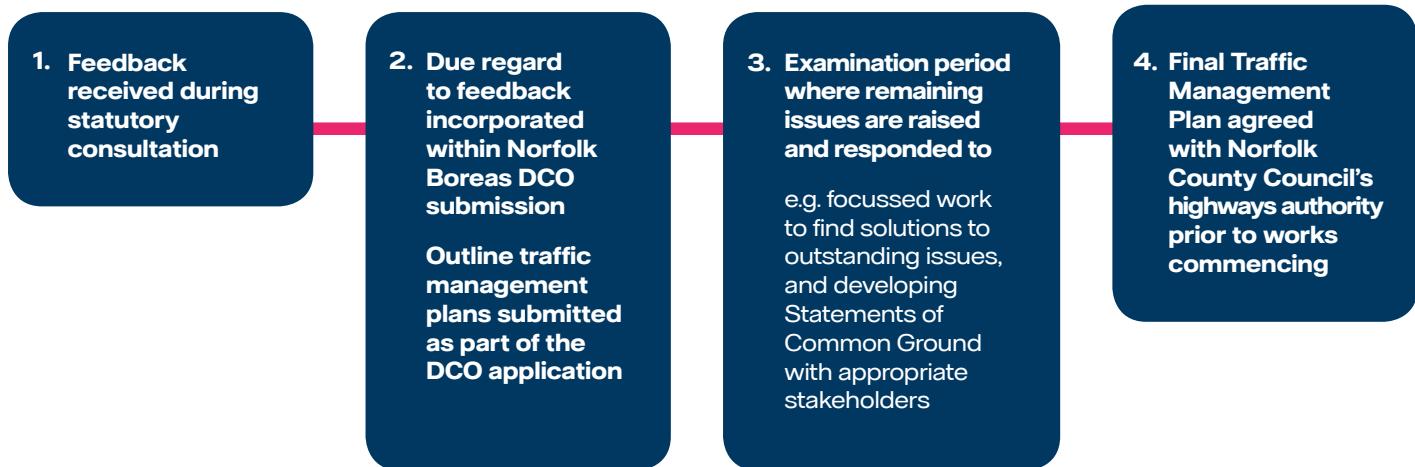
Readers and others who have followed the development of the Norfolk Boreas and Norfolk Vanguard Offshore Wind Farm Projects over recent years, will have seen how much the two projects have evolved and how much your feedback has influenced our thinking. A major milestone for both projects was our decision to commit to using High Voltage Direct Current (HVDC) transmission technology in our project design, which not only removes the need for the cable relay stations, but also reduces the width of the cable corridor and the duration and extent of construction works. We received 100 written responses in total and are grateful to those who provided valuable feedback during this statutory consultation period.

Key themes highlighted include:

## **Construction and traffic impacts**

Respondents highlighted the impact of construction traffic on local roads, particularly in relation to HGV traffic. The main concern was whether the road networks in rural areas of Norfolk are wide enough to accommodate large construction vehicles. The consultation also raised questions about the impact of increased traffic on road users, local home and business owners, and cumulative traffic impact where Vattenfall's underground cables are proposed to cross with Orsted's Hornsea Project Three.

## **How feedback on traffic will be taken forward in the DCO process**



A similar process will be followed to agree other management plans, such as the Landscape and Environmental Management Plan or the Code of Construction Practice.

## **Visual impact of the onshore project substation**

Many respondents described their concerns with the visual impact of the proposed onshore project substation on communities living close by. Comments were focussed on mitigation and how adequate the proposed screening and planting will be in helping to reduce the visual impact.

## **Transmission system**

Respondents expressed their support for HVDC technology over High Voltage Alternating Current (HVAC) as the solution which has the least negative impact on the environment and communities. There was concern that there is a possibility the projects might revert back to a more traditional HVAC transmission system, thereby eliminating the embedded mitigation associated with the innovative HVDC solution.

## **Education, skills and employment**

Some respondents highlighted the opportunity to engage young people in Norfolk, providing education and training to help develop their skills and create pathways for a career in the energy or renewable industries.

## **Consultation and engagement**

Respondents' feedback on the consultation varied from the "consultation approach taken and the information provided have been first class", to concern that there is only a small chance of feedback being "respected". Respondents requested that Vattenfall continues to engage the community and provides updates on the project milestones through the existing communications channels. If the project is consented, people would like the contact centre available to remain so they can continue their engagement with the project.

## **Other comments**

There were many other themes and topics discussed and explored by participants, and we are grateful for this feedback. Although this does not feature in the key themes, all feedback contributes to our understanding of the area and is considered when developing our project proposals.

## **Key project information**



### **Collaboration and engagement**

The feedback we have received on Norfolk Vanguard and Norfolk Boreas has helped shape our thinking about how we make world-class projects. Together these will deliver 50% of the East of England's electricity demand (domestic, commercial and industrial)<sup>2</sup>, and help to bring down the cost of energy for the UK consumer. We'll keep listening to you through construction and beyond should the projects be consented.



### **Environmentally sensitive development and operation**

The onshore cable corridor, which has been reduced in width as a result of our decision to deploy HVDC transmission system, will be buried and routed largely through open farmland to avoid sensitive features.



### **Innovation**

Commitment to HVDC cable technology offers energy-efficiency, environmental benefits, including eliminating the need for relay stations near the coast, reducing the width of the cable corridor and reducing the duration of construction.



### **Construction and reinstatement**

The average rate of ducting and reinstatement of the trench along the cable corridor is expected to be 150m per week. With multiple work fronts happening at once, the main phase of onshore construction will be completed in two years.

<sup>2</sup> Department for Business, Energy and Industrial Strategy, 2016

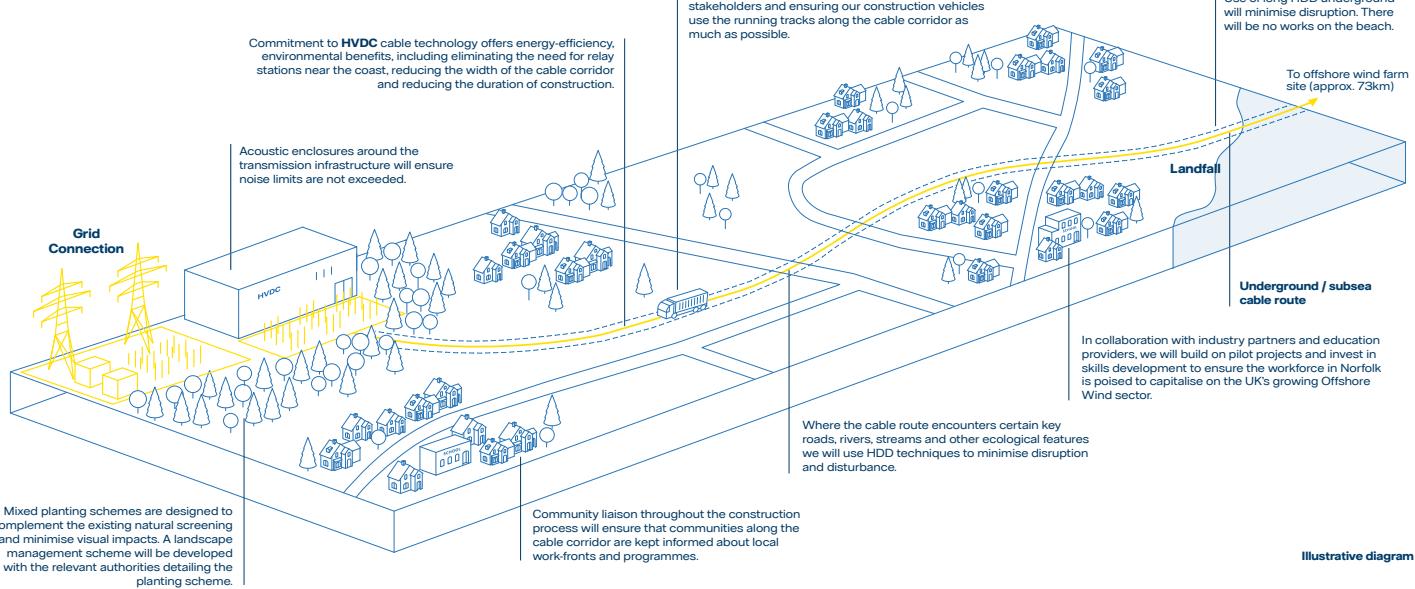


## How we are responding to the feedback

The infographic (below) illustrates how we are responding to several of the key themes that emerged from the statutory consultation. For more information, please see section 2.10 of the Interim Consultation Report.

### Norfolk Boreas

Refining proposals in response to the statutory consultation



## Thank you

We would like to thank you again for your continued input and for sharing your knowledge and local insight during this statutory consultation period.

We pride ourselves on meaningful engagement and listening to the concerns of local communities. Our approach to developing major infrastructure projects is to engage in an open, two-way dialogue before we make any decisions, and this has helped us make more robust and sustainable decisions for Norfolk Boreas and Vanguard and to make better projects for Norfolk and the region.

There is a lot of work left to do before the project will be supplying green energy for UK homes and businesses, and our technical team will be preparing our Norfolk Boreas DCO application over the coming months. We will continue to engage with local communities and the supply chain, so please look out for updates online and via project newsletters as we approach the milestones outlined in the timeline on page 44.

# Introduction

This report provides an overview of the statutory consultation carried out by Norfolk Boreas Limited (NBL) between 7th November and 9th December 2018. This is the fourth report published which details the consultation carried out on the proposed Norfolk Boreas and Norfolk Vanguard Offshore Wind Farms, and it follows a similar format to previous editions. It will give you a summary of how we consulted, high-level statistics from the consultation, the feedback we received and a summary of the key issues raised by local residents, as well as other bodies.

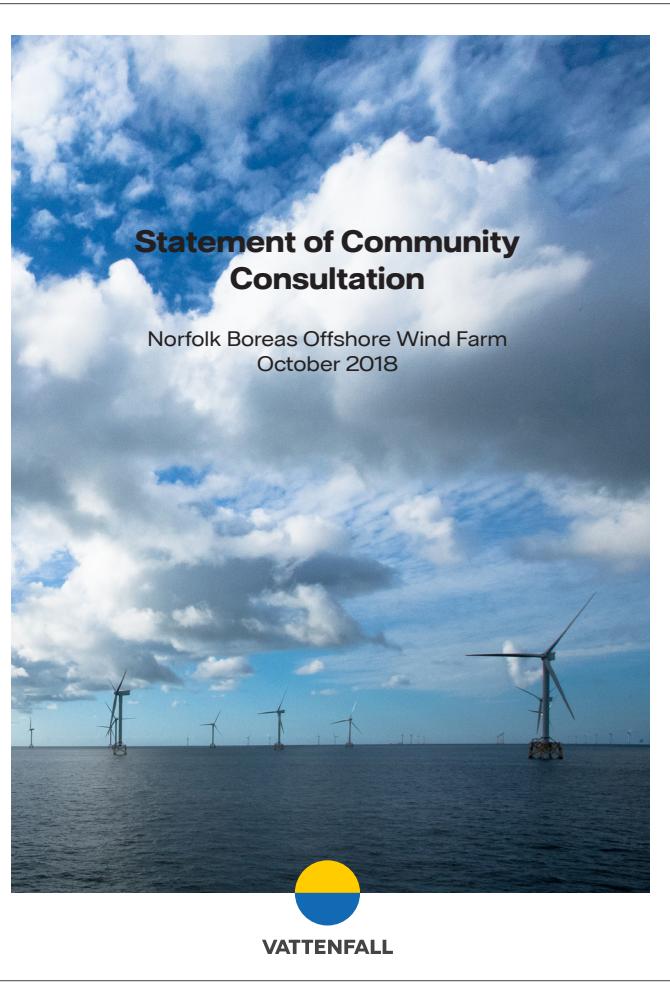
We are currently preparing the statutory Consultation Report which we will submit to the Planning Inspectorate as part of our application for a Development Consent Order (DCO) in summer 2019. That report will provide a record of all engagement (formal and informal) that has taken place since the project's inception. This report is designed to give you a summarised account of the statutory consultation process only.

Ahead of the consultation, and in line with requirements set out in the Planning Act 2008, we published a Statement of Community Consultation<sup>3</sup> (SoCC). This document was drafted in consultation with local authorities<sup>4</sup> and set out how we intended to consult residents, communities and wider stakeholders on our proposals. Copies of the SoCC were placed on the project website and in a number of local libraries and council offices across Norfolk. Copies were also sent to parish and town councils along the cable route.

A project newsletter, setting out our proposals and inviting people to take part in the consultation, was sent to almost 26,000 properties within our primary consultation zone, stretching along the proposed onshore cable route, from the intended landfall site, south of Happisburgh, through to the proposed connection point into the national grid outside Necton.

As part of our wider publicity campaign, we sent direct mail and email to stakeholders who had previously registered an interest in the project, used targeted social media advertising and put up notices/posters in locations along the cable route. Adverts and articles were also featured in the Eastern Daily Press (paper and online) and national newspapers.

During the five week consultation period, we held seven consultation events where we invited anyone with an interest in our proposals to come along to consider the information presented within the Preliminary Environmental Information Report (PEIR), to meet the project team and to explore the opportunities the offshore wind farm offers locally, regionally and nationally.



Norfolk Boreas Statement of Community Consultation, October 2018

<sup>3</sup> The Norfolk Boreas SoCC can be viewed on the project website [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)

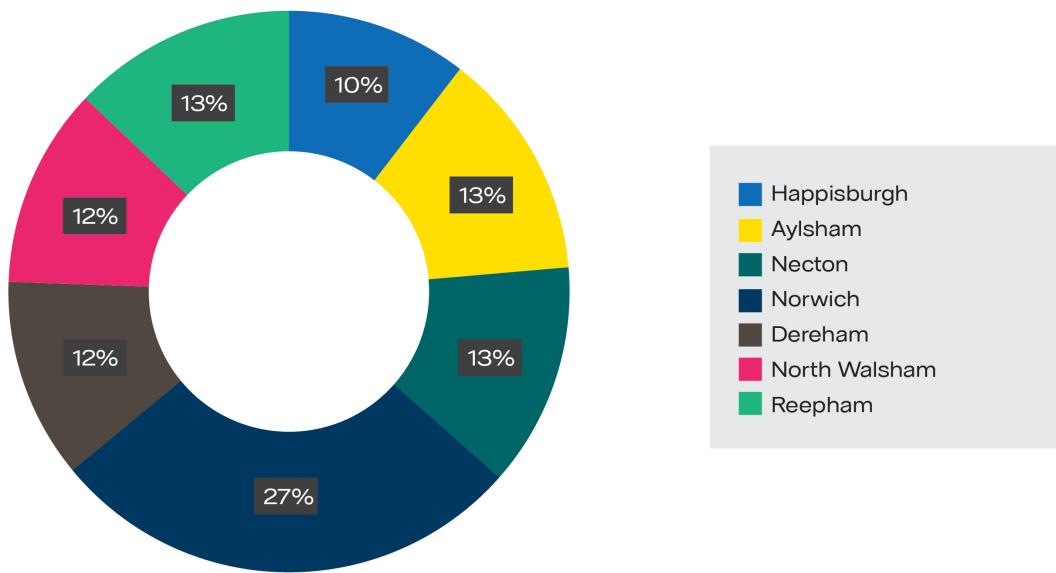
<sup>4</sup> Authorities consulted on the draft Norfolk Boreas Statement of Community Consultation: Norfolk County Council, Breckland District Council, Broadland District Council, Great Yarmouth Borough Council, Marine Management Organisation and North Norfolk District Council.

The drop-in events were held in six locations along the cable route with a seventh event in Norwich, giving us the opportunity to reach a wider audience in Norfolk's cathedral city. All locations were consistent with those used for previous rounds of consultation.

In total, 364 attendees visited the statutory consultation drop-in events. The table below shows how many people attend each event based on a record of people that passed through the doors.

**Table 1: Attendees at Norfolk Boreas statutory consultation events**

Location	Date	No. attendees
Happisburgh	Wednesday 14th November 2018	38
Aylsham	Thursday 15th November 2018	48
Necton	Friday 16th November 2018	47
Norwich	Wednesday 21st November 2018	100
Dereham	Thursday 22nd November 2018	42
North Walsham	Friday 23rd November 2018	42
Reepham	Saturday 24th November 2018	47
<b>TOTAL</b>		<b>364</b>



The volume of attendees was similar across each of the locations along the cable route. Higher numbers were recorded in Norwich.

Part one of this report sets out how we carried out the statutory consultation process. This includes:

- A summary of the SoCC process and how we consulted on the Norfolk Boreas project
- An overview of the publicity we carried out prior to, and during, the period of statutory consultation
- An outline of who responded to the consultation
- A description of the materials presented to facilitate understanding of the project proposals and encourage feedback.

Part two provides a high-level summary of the feedback we received during the statutory consultation process. The report groups together responses according to topics, in order to highlight emergent themes of interest to community members during statutory consultation. It also sets out high-level responses to the themes/issues raised.

# 1. Part one: Statutory consultation process

As set out above, this report relates to the statutory phase of consultation that Norfolk Boreas Limited (NBL) carried out as part of the process to apply for a Development Consent Order (DCO) for the Norfolk Boreas Offshore Wind Farm. This phase of consultation followed a significant amount of informal engagement with residents, community groups, local authorities, businesses and other stakeholders since Autumn 2016. Much of the early engagement on the Norfolk Boreas project coincided with consultation on its sister project, Norfolk Vanguard.

## 1.1. The Statement of Community Consultation (SoCC)<sup>5</sup>

A requirement of the Planning Act 2008 (the Act), the SoCC sets out how, where and when the local community and statutory consultees will be consulted during the consultation period.

The document is drafted in consultation with local authorities and was published on Wednesday 17th October 2018, three weeks prior to the start of consultation. Copies of the SoCC were placed in ten local libraries and council offices along the cable route. Copies were also sent to each of the parish and town councils within the agreed primary consultation zone. A copy was also placed on the project website.

As part of the requirements of the Act, the publication of the SoCC, and where to view it, was advertised in the Eastern Daily Press (see section 1.4).

## 1.2 Preliminary Environmental Information Report<sup>6</sup> and consultation materials

Norfolk Boreas is classified as an environmental impact assessment development under Schedule 2 of the Infrastructure Planning (Environmental Impact Assessment (EIA)) Regulations 2017. This means that an Environmental Statement, describing the potential effects of the Project on the environment, must be prepared to accompany the DCO application. Figure 1 illustrates how the EIA process works, with numerous stages of consultation and project refinement.

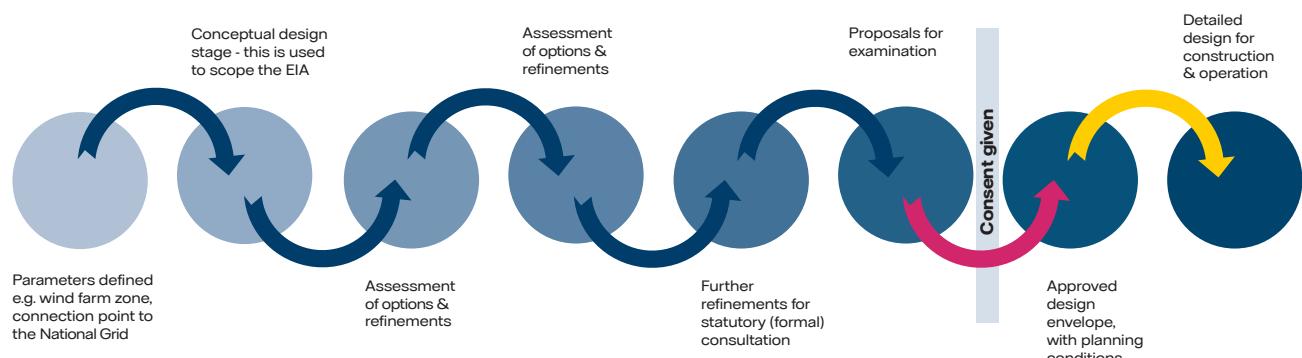
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<sup>5</sup> The Norfolk Boreas SoCC can be viewed on the project website [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)

<sup>6</sup> The Norfolk Boreas PEIR can be viewed on the project website [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)

### **Environmental Impact Assessment (EIA) process consultation**

The diagram below illustrates the importance of consultation and engagement in the EIA process, which enables developers to progress their proposal, taking into account all appropriate constraints and opportunities to ensure an environmentally sensitive proposal emerges. Physical, social and environmental issues are addressed holistically through this consultation and engagement, with time and space programmed in for feedback loops – so ideas can be presented, discussed, tested, worked on further, re-presented and so on. For this methodology to be effective, developers engage at an early stage of development, when many decisions remain open, and the proposals are conceptual.



#### **Stakeholder & community review**

Consultation and engagement involving statutory stakeholders, expert topic groups, landowners & land interests, community, and appropriate regard to feedback built into next phase of project development through the EIA process

#### **Examination**

Carried out by the Planning Inspectorate - an independent planning authority on behalf of the Secretary of State for Business, Energy and Industrial Strategy (BEIS)

#### **Detailed design**

Incorporates planning conditions set out in the Development Consent Order and deploys best-in-class innovation to ensure future-proof design is constructed

**Figure 1 illustrates the iterative nature of the consultation and project refinement process.**

The main purpose of the consultation at this stage is to gather feedback on the Preliminary Environmental Information which sets out the findings from the Environmental Impact Assessment process relating to the project proposals and the project design as it stood at the time. While it is termed “preliminary” information, the Norfolk Boreas PEIR describes well progressed proposals and associated environmental assessments. It provides an opportunity to comment on detailed propositions before they are finalised for submission with the Development Consent Order in summer 2019.

Full copies of the PEIR were available on the project website, as well as on USBs, free of charge, at local libraries and council offices. Two hard copies of the PEIR (over 11,000 pages) were placed in North Walsham and Dereham libraries from 31st October 2018 for the duration of the statutory consultation process. In addition, a range of consultation materials were prepared in order to facilitate and encourage the participation of many people, with wide ranging interests and experience. At the drop-in exhibitions, we presented information summarising the PEIR on exhibition boards, in a Summary Consultation Document, via a 3D model and other means (see section 1.6). All the materials presented at the drop-in exhibitions were also available on the project web pages. Also available on the web pages is an interactive map, showing the project proposals, which users can examine in relation to a wider context, and also in detail by zooming in and out.

It should be noted that shortly before the start of the statutory consultation, landowner dialogue had progressed in relation to some minor route amendments to the cable corridor near the onshore project substation in its eastern approaches. At the time of publication of the PEIR documents (which given their extensive and complex nature, need to be finalised well in advance of publication) these changes could not be reflected in the figures within the PEIR, or the Consultation Summary Document. However, the land plans available on the USB supplied as part of the section 42 consultation, together with the online interactive map and the animated film illustrating the project proposals, did capture these changes. It is Norfolk Boreas' intention to proceed with the route that incorporates the minor amendments put forward by the landowners (as shown on the land plans supplied on the USB device<sup>7</sup>). However, Norfolk Boreas is awaiting approval from the Planning Inspectorate who is considering these changes as part of the Norfolk Vanguard scheme, which is currently in Examination.

### **1.3. Statutory consultation process**

The period for statutory consultation ran from Wednesday 7th November 2018 through to Sunday 9th December 2018. This covered a period of 33 days, exceeding the minimum 28 days under the Act.

The consultation followed a similar format to the previous rounds of consultation on both Norfolk Boreas and Norfolk Vanguard projects. We held seven public consultation events at key points and population centres along the cable route corridor. Six events were located within the primary consultation zone (a map of which can be found in appendix 1). Details of event locations, dates and number of attendees can be found in Table 1.

As well as the events, we placed consultation materials in ten public libraries and council offices across the region (see Table 2 below). From 31st October, for the duration of the consultation, the following materials were available to view and take away from the deposit points:

- Consultation Summary Document
- USB containing full PEIR documents
- Feedback form
- Hard copy version of the PEIR at Dereham and North Walsham libraries (reference only)
- Non-Technical Summary of the PEIR (reference only)
- Statement of Community Consultation (reference only)

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<sup>7</sup> Documents available on the USB can be viewed on the project website [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)

**Table 2: Address and opening times for Library and Council office venues**

Venue Address	Opening Times
<b>Aylsham Library</b> 7 Hungate St, Aylsham, Norwich, NR11 6AA	Mon and Fri: 9.30am - 12.30pm; 1.30 - 7:00pm; Tues and Thurs: 9.30am - 12.30pm; 1.30 - 5:00pm; Wed: 1.30 - 7:00pm; Sat: 9.30am - 4:00pm; Sun: 11:00am - 2:00pm
<b>Dereham Library</b> 59 High St, Dereham, NR19 1DZ	Mon, Wed and Thurs: 9.15am - 5:00pm; Tues and Fri: 9.15am - 7:00pm; Sat: 9.15am - 4:00pm
<b>Norwich Millennium Library</b> The Forum, Millennium Plain, Norwich, NR2 1AW	Mon-Fri: 10:00am - 7:00pm; Sat: 9:00am - 5:00pm
<b>North Walsham Library</b> New Rd, North Walsham, NR28 9DE	Mon and Thurs: 9:30am - 7:30pm; Tues and Fri: 9:30am - 5:00pm; Wed and Sat: 9:30am - 1:00pm
<b>North Norfolk District Council</b> Council Offices, Holt Road, Cromer, NR27 9EN	Mon, Tues and Thurs: 8:30am-5:00pm; Wed: 10:00am - 5:00pm; Fri: 8:30am - 4:30pm
<b>Broadland District Council</b> Thorpe Lodge, 1 Yarmouth Road, Norwich, NR7 0DU	Mon-Fri: 8:30am - 5:00pm
<b>Breckland District Council</b> Elizabeth House, Walpole Loke, Dereham, NR19 1EE	Mon-Fri: 8:30am - 5:00pm
<b>Norwich City Council</b> St Peters Street, Norwich, NR2 1NH	Mon-Fri: 8:45am - 5:00pm
<b>Great Yarmouth Borough Council</b> Town Hall, Hall Plain, Great Yarmouth, NR30 2QF	Mon-Fri: 9:00am - 5:00pm
<b>Swaffham Library</b> The Pightle, Swaffham, PE37 7DF	Tues and Thurs: 10.00am - 7.00pm; Fri: 1.00-7.00pm; Sat: 10.00am - 4.00pm

#### 1.4. Publicity

A range of publicity methods were utilised in order to cast a wide net of publicity locally, regionally and nationally.

##### Newsletter

In total, 12,822 newsletters were sent to addresses along the cable route primary consultation zone. This included an additional mailing to an extension of the primary consultation zone, to ensure people who could potentially be affected by longer construction access routes to the cable corridor were informed. In this additional mailing, newsletters were sent to all properties in the parishes of Oulton, Hoe & Worthing, Swanton Morley, North Tuddenham and Dereham Town Council. The four-page newsletter contained an update on the progression of both the Norfolk Boreas and Norfolk Vanguard projects, with a detailed description of the Boreas statutory consultation process and how people could get involved and have their say. See appendix 2 for a copy of the newsletter.

##### Newspaper notices

Ahead of the start of public consultation, and as part of section 47 (s47) of the Planning Act 2008 requirements, a newspaper notice was placed in the Eastern Daily Press in order to promote the publication of the SoCC and the upcoming consultation.

Section 47(6) Planning Act 2008 (the Act)

**Notification of Statement of Community Consultation for Norfolk Boreas Offshore Wind Farm**

Norfolk Boreas Limited (NBL) (the Applicant) has published a Statement of Community Consultation (SoCC) in accordance with Section 47(6) of the Planning Act 2008 (as amended by section 134 of the Localism Act 2011) (the Act). The SoCC sets out how NBL will consult local communities, residents, businesses, and organisations in the vicinity of the Project and its associated infrastructure.

The SoCC is available for public inspection, free of charge, as follows:

- On the Project website: [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)
- At the following locations:
  - Aylsham Library
  - Broadland District Council
  - Dereham Library
  - Breckland District Council
  - Norwich Millennium Library
  - Norwich City Council
  - North Walsham Library
  - Great Yarmouth Borough Council
  - North Norfolk District Council
  - Swaffham Library

**The proposal**

The Project, which would be located 73km from the coast of Norfolk at its closest point to land, would consist of between 90 and 200 wind turbines, each having a rated capacity of between 9MW and 20MW, to give an export capacity of up to 1.8GW, providing efficient, cost-effective energy free from fossil-fuels.

In line with the proposals for its sister project - Norfolk Vanguard - the proposed landfall will be south of Happisburgh. From there, underground cables will transmit power generated at the wind farm through to our proposed connection point into the national grid, outside Necton. In the vicinity of the National Grid substation, we will need to build an onshore project substation.

As the Project is a Nationally Significant Infrastructure Project, the Applicant will apply to the Planning Inspectorate for a Development Consent Order under the requirements of the Act.

The Applicant is required to consult with local communities before the application is submitted to the Planning Inspectorate. The Applicant is also required to produce a Consultation Report detailing how the public's views have been taken into consideration and how the consultation requirements of the Act have been complied with.

**The Consultation**

Following the publication of the SoCC, NBL will undertake a statutory period of consultation and invite comments on the Project between **7th November and 11.59pm on 9th December 2018**. You can view and download the consultation documents on our project website at [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas). Documents will also be available to view at deposit points in local libraries (see list). Due to the size of the Preliminary Environmental Information Report (PEIR), paper copies will be available for review at Dereham and North Walsham libraries. Key information will also be available to view at our consultation events. A USB memory stick containing all consultation documents, including the PEIR, a non-technical summary and the consultation summary document, will be available at libraries and consultation events.

**Have your say**

Details about the statutory consultation and how to get involved are set out in the SoCC. Whilst your views are welcomed throughout the development of the Project, responses should be received during the period of consultation as set out in the SoCC. All feedback provided during the consultation period will be considered and taken into account.

In response to the statutory consultation, you can submit your views in writing in a number of ways.

You can use one of the following methods to contact us:

- [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)
- [info@norfolkboareas.co.uk](mailto:info@norfolkboareas.co.uk)

- ☎ **Freephone 0800 019 3517**
- ✉ **FREEPPOST NORFOLK BOREAS**  
(no stamp required)

The SoCC and subsequent consultation documents are available in large print and Braille upon request. Contact the project team on 0800 019 3517 for further information or to request alternative formats.

**Consultation events**

**Happisburgh** - The Wenn Evans Centre, NR12 0QY  
Wednesday 14th November 1pm - 7pm

**Aylsham** - Aylsham Town Hall, NR11 6EL  
Thursday 15th November 1pm - 7pm

**Necton** - Necton Rural Community Centre, PE37 8EH  
Friday 16th November 1pm - 7pm

**Norwich** - The Forum, NR2 1BH  
Wednesday 21st November 11am - 6:30pm

**Dereham** - Dereham Sixth Form College, NR20 4AG  
Thursday 22nd November 1pm - 7pm

**North Walsham** - North Walsham Community Centre,  
NR28 9DE Friday 23rd November 1pm - 7pm

**Reepham** - St Michaels Church, NR10 4JL  
Saturday 24th November 10am - 3pm

SoCC (s47) newspaper advert: Published in the Eastern Daily Press on Wednesday 17 October

Again, in line with the requirements set out in the Planning Act 2008, we published a section 48 (s48) notice in national and regional publications ahead of the start of consultation. The full list of publications which ran the notices is set out in Table 3 below and a copy of the notice can be found in appendix 3.

**Table 3: Newspapers which ran the public notices**

Publication	Date published
Eastern Daily Press	Tuesday 30th October 2018
The Times	Thursday 1st November 2018
London Gazette	Thursday 1st November 2018
Fishing News	Thursday 1st November 2018
Lloyd's List	Thursday 1st November 2018
Eastern Daily Press	Tuesday 6th November 2018

### **Letters to consultees**

Letters and emails were sent directly to a number of stakeholder groups, inviting them to take part in the upcoming statutory consultation process. Letters included USBs containing all the consultation materials, as well as hard copies of the feedback form. Emails contained links and/or attachments to the consultation materials. The following groups were sent information directly via letter and/or email:

- Statutory bodies, as prescribed by the Planning Act 2008 (also referred to as section 42 (s42) consultees)
- Local authorities (also referred to as section 43 (s43) consultees)
- Persons with an interest in land (PIL) impacted by the proposal (also referred to as section (s44) consultees)
- Parish and Town councils along the route
- 'Hard to reach' and wider community groups
- People who had previously registered an interest in the project

*A full list of statutory consultees will be provided in the appendices of the Consultation Report, which will be submitted as part of the application for a DCO later in summer 2019.*

### **Social media**

Social media adverts were used to target people within the consultation zone and surrounding areas, including the cable route between the landfall and project substation. These included dates and times of the consultation events and how people could get involved in the project and provide feedback.

We used three Facebook adverts during the consultation period (appendix 4) and the statistics for these are below:

- 21,931 impressions
- 11,808 reach
- 284 direct engagements

In addition, we sent nine tweets via the project Twitter account (appendix 5) which created 14,974 impressions in total.

### **Traditional media**

A press release (appendix 6) was issued to local and industry media, and published on Vattenfall's project website, to help disseminate the consultation widely. The release was picked up and covered by local press, including:

- North Norfolk News
- Reepham Life

In addition, Dereham Times published an article advertising the consultation prior to Vattenfall's press release being issued. Norfolk Chamber of Commerce also advertised the consultation on its website.

Industry news outlets that ran a story included:

- Renewable Energy Magazine
- 4C Offshore
- The Energy Zone
- Power Technology
- ReNews

The online content was also shared by many of these organisations across their own social media channels.

### **Website**

Some 364 participants visited our drop-in exhibitions and, in addition, many others looked at the materials prepared to support and inform the statutory consultation on the project website.

During the statutory consultation period between 7th November and 9th December 2018, the number of visits to different pages on the project website are outlined below:

- Vattenfall in Norfolk page: 3,582 visits
- Interactive map page, including information about the project and short film: 791 visits
- Norfolk Boreas PEIR documents page: 236
- Norfolk Boreas Public consultation page: 231

### **1.5. Consultation reach**

We have generated the map below to illustrate where people attending the consultation events came from through the address or postcode provided as part of the voluntary signing in process. This allowed us to ensure we are engaging with the relevant local communities and that a representative cross section of the population has been involved in the process.

Our aim has been to ensure we hear a range of views from communities so we can be sure to build an understanding of the interests and needs of people potentially affected by the project.

Since the statutory consultation on Norfolk Vanguard, the project's red line boundary, which defines the geographical area of the project, has been refined and narrowed as the process has developed. As the map illustrates, there are concentrations of attendees all along the cable route, including concentrations at key locations such as Necton (closest drop-in event to the sites of the proposed onshore project substation and National Grid substation extension) and at Happisburgh (proposed landfall).

There has been a reduction in the number of postcodes and attendees from the 2017 statutory consultation on Norfolk Vanguard, and this is to be expected as we have been engaging communities for a number of years across both projects. Based on verbal feedback from stakeholders and communities, this reflects a growing local acceptance of the project proposals. We are aware that people who engaged with the process during earlier stages of consultation were less inclined to continue to engage during this phase of formal consultation, as their comments had been heard and issues of particular importance to them had been addressed already.

The public consultation event in Norwich registered the highest number of attendees, at an estimated 100 people. The event was held in The Forum, which is an open plan venue where the public can walk freely to look at the different exhibitions on display. This meant a number of attendees did not sign-in and is the reason why there is a low concentration of postcodes on the map in and around the city.

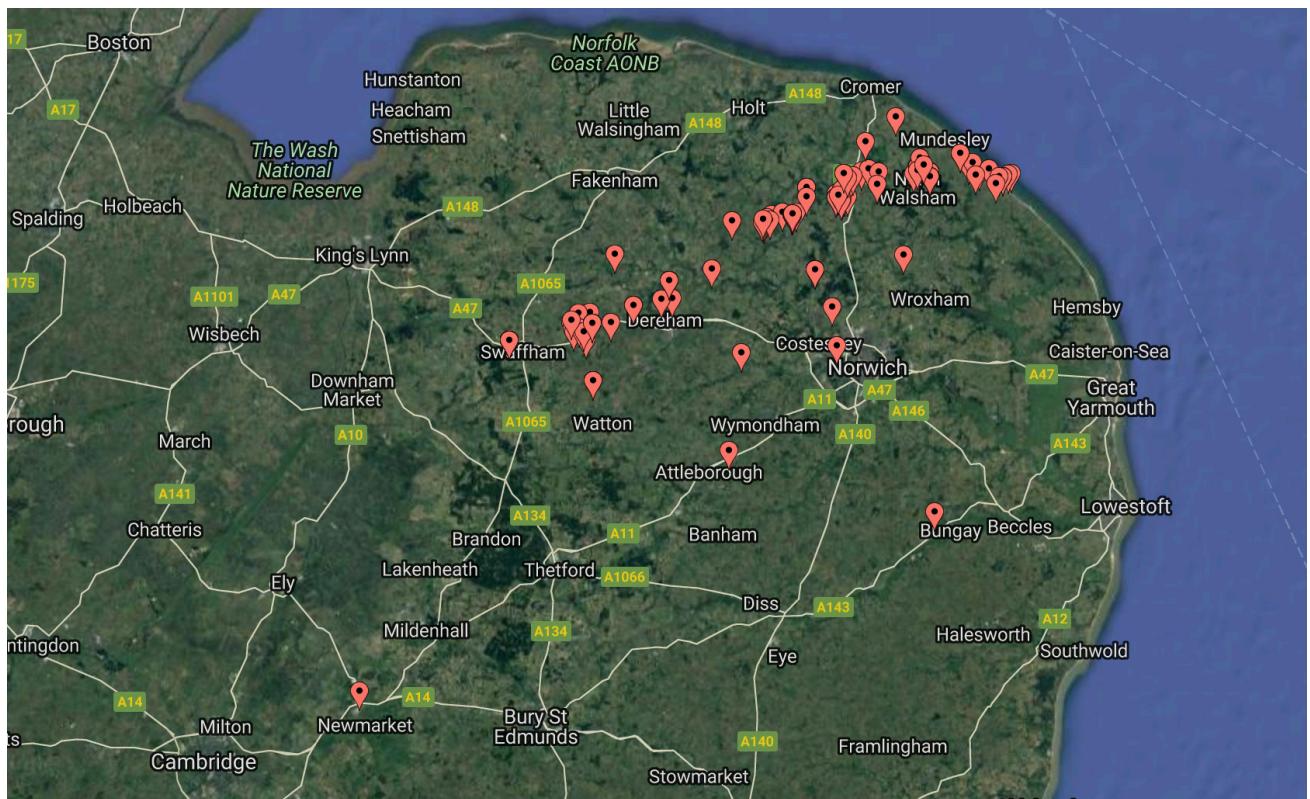


Image courtesy of Google

## 1.6. Consultation events

We used a range of interactive and engaging tools at the consultation events to help the community understand the project and the technical information. Event attendees were greeted on arrival and provided with copies of the exhibition materials to review and take home. Information banners summarising the PEIR were displayed and people were encouraged to read these to help answer their questions about the proposals. Members of the project team from Vattenfall and the technical consultants were also on hand to answer any questions and discuss particular topic areas in more detail.

Large-scale maps were displayed to instigate discussion around the location of the onshore infrastructure, cable route and construction activity. A 3D computer model was also used to digitally illustrate the cable route and above ground infrastructure. This gave attendees an opportunity to explore Norfolk Boreas proposals in the context of the local landscape. The model complements photomontages (produced to exacting and specific industry standards) in the sense that they offer views from anywhere within the modelled landscape. This tool allows people to request modelled views from their homes or other viewpoints towards specific points in the landscape, such as the onshore project substation.

A Virtual Reality headset and a project jigsaw puzzle were used as tools to engage younger children, and an animated video was played on a TV screen to provide an illustrative aerial view of the project from the wind farm, along the cable route to the substation.



## 2. Part two: Summary analysis of feedback

This section provides a high-level overview of the feedback we received from the statutory consultation process. It includes the following information:

- A statistical breakdown of the volume of feedback and where we received it from
- A breakdown of the main issues raised in the feedback, and
- An initial summary of how we will have regard to the feedback.

Throughout the statutory consultation period, there were a number of methods for providing feedback responses to the consultation. We provided formal consultation questionnaires which were available to complete online on the project website and hard copy forms which could be submitted via the Freepost address, completed at the consultation events or scanned and sent via email.

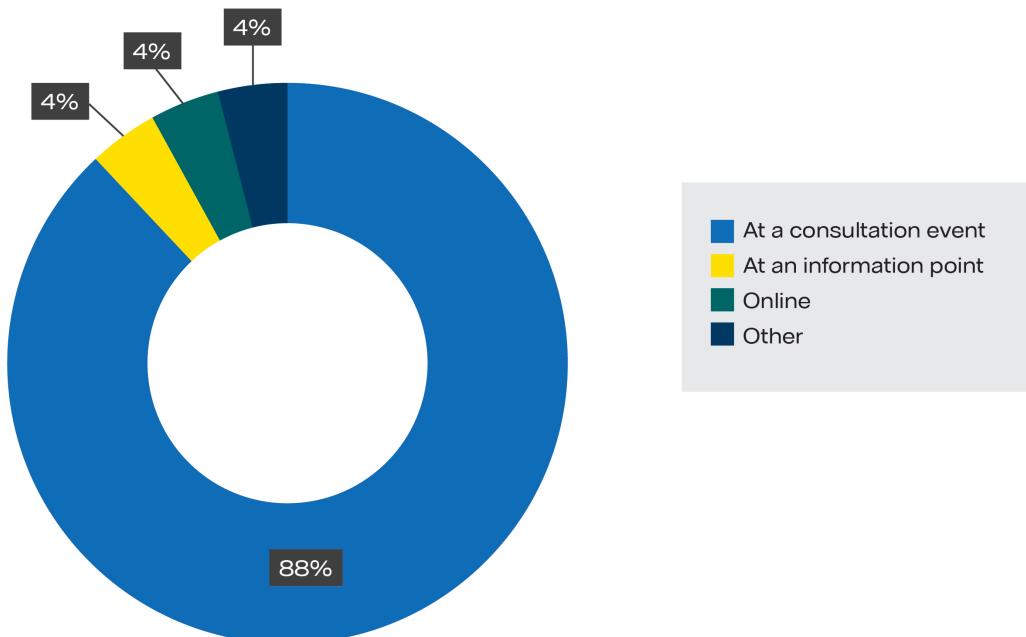
In total, we received 100 responses to the statutory consultation. We received 44 feedback forms, 19 of those were submitted online and 25 were hard copy forms. The following analysis covers the feedback forms from residents, community groups, organisations and interest groups. Feedback received via email has also been considered and we have responded to the key themes that emerged from all the feedback in section 2.10. See also section 2.6 for a summary of email feedback.

One of the feedback forms submitted online was from a statutory consultee. This has been considered and taken forward by the project but it has been removed from the statistical analysis.

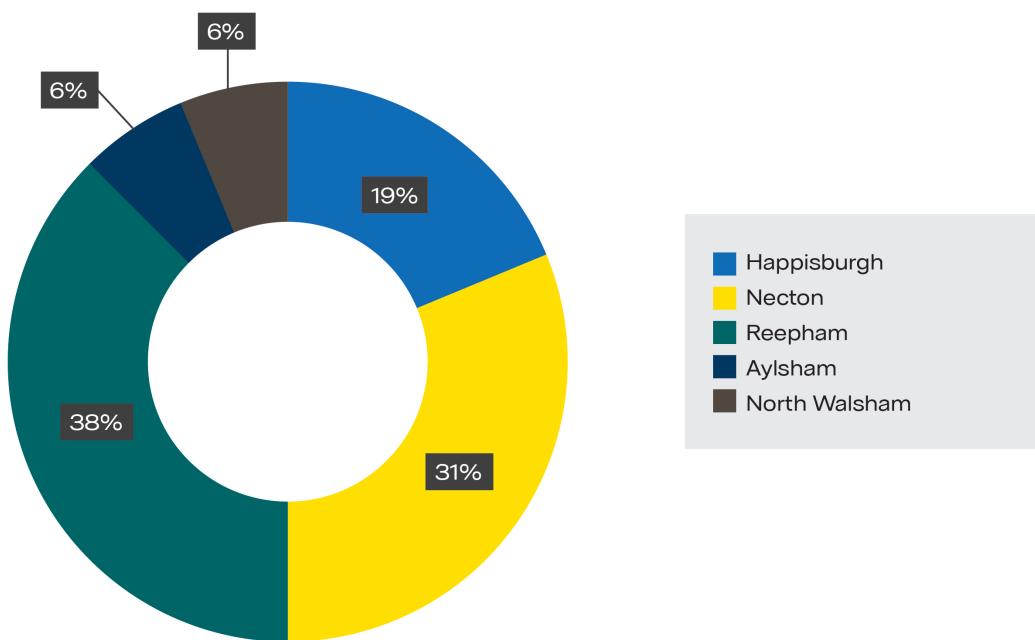
### 2.1. About the consultation

In order to provide local communities with the opportunity to express their views we made the feedback form available throughout the statutory consultation period. One person stated they obtained a feedback form at a public library and one person stated they received a feedback form in the post.

#### Where did you receive this feedback form?

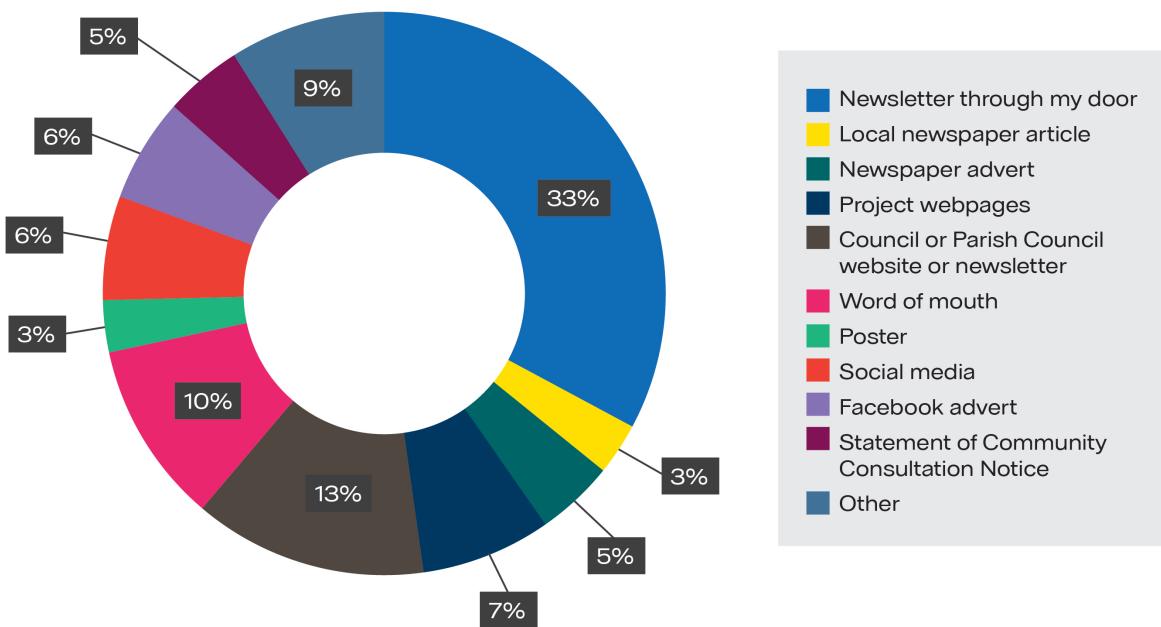


Of the 22 respondents who stated they received the feedback form at a consultation event, 16 confirmed the specific event and this is outlined in the pie chart below. More respondents obtained a feedback form at the Reepham event than any others, and no one stated they received a feedback form at Dereham or Norwich.



### Question 1: How did you hear about the Norfolk Boreas Offshore Wind Farm Consultation?

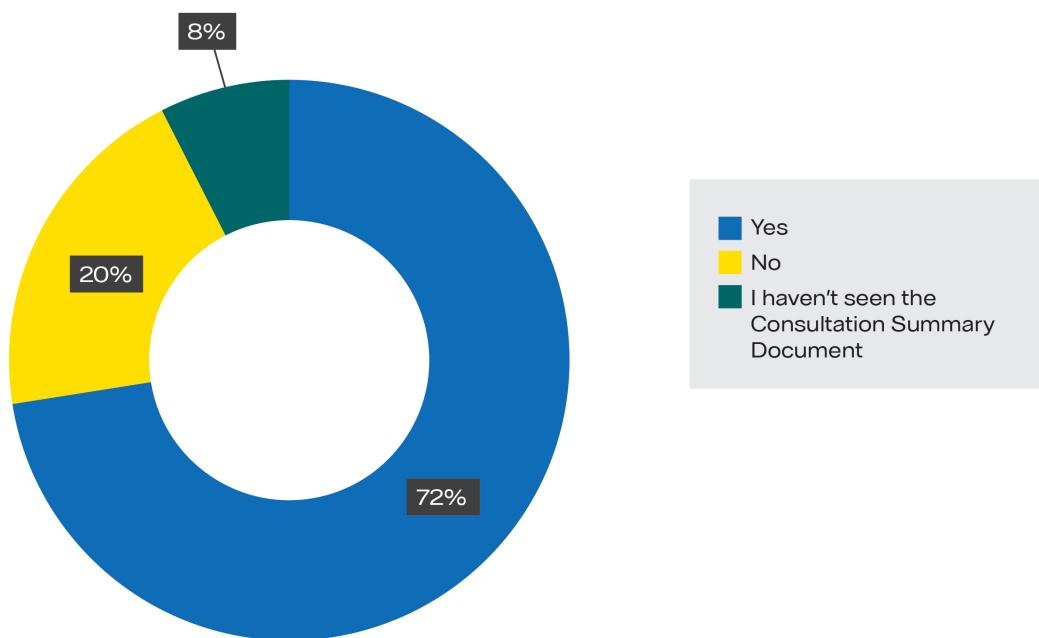
A breakdown of how people learnt about the opportunity to take part in the statutory consultation is shown below. Every option presented on the feedback form was selected at least once, and it emerged that receiving a newsletter through the door was the most common method of respondents finding out about the consultation events.



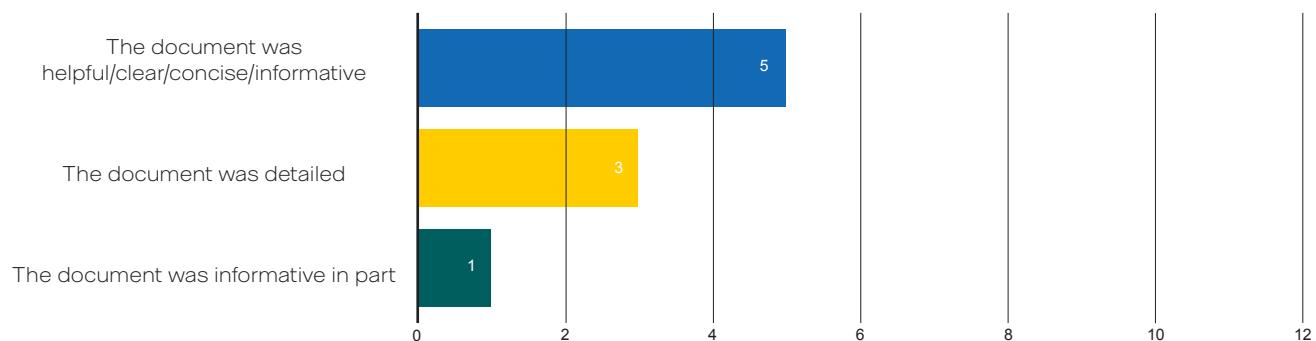
## Question 2: Have you found the information presented in the Consultation Summary Document helpful in addressing any questions or concerns you may have had?

In order to help the local communities understand the information required to properly consider and respond to the consultation, we produced a Consultation Summary Document. This summarised the technical information in the Preliminary Environmental Information Report (PEIR) and was made available at all relevant locations throughout the statutory consultation period.

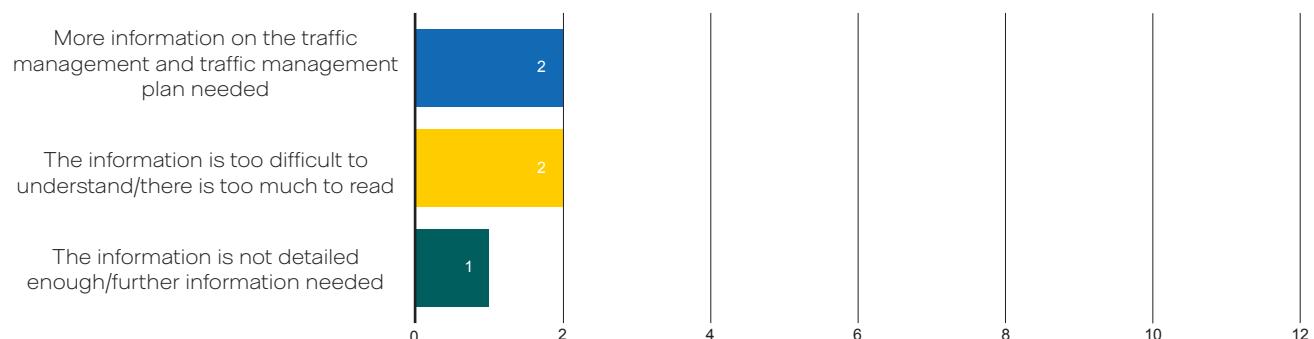
In order to assess how the Consultation Summary Document was received, we asked for feedback on this document. The question was answered by 41 respondents. The results showed that 92% of respondents that answered the question had read the Consultation Summary Document, and of those that had read it, 72% found the information presented helpful when considering their response to the consultation.



Of those that noted that they found the Consultation Summary Document helpful, the key comments and issues raised were:



Of those that noted they had not found the Consultation Summary Document helpful, the key comments and issues raised were:



In addition to the above grouped issues, a number of respondents made comments, including:

- Had to look elsewhere for detail on Vattenfall's educational offer
- It would have been nice to receive hard copies in the most immediately affected areas
- More information is needed on the environmental impact of the turbines and mitigation for noise and visual impact

Other comments and questions included:

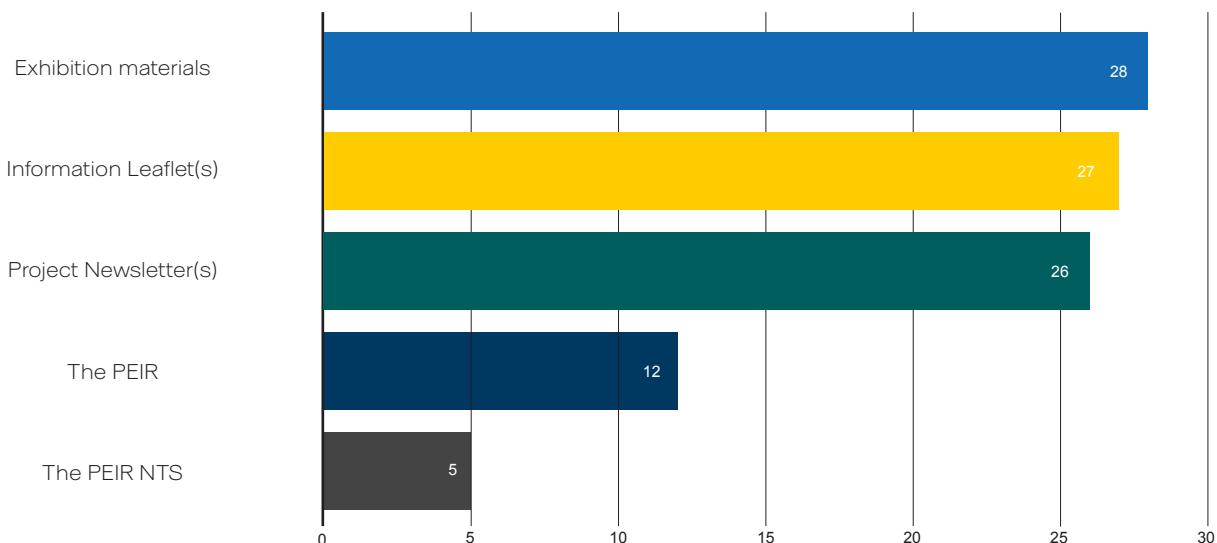
- It would be useful to model noise levels during construction and operation
- The risk of a change to the HVDC plan is a massive worry
- What would a similar methodology to long HDD be when routing the cables onshore, as mentioned in the document?
- Offshore construction work needs to be monitored for the preservation of the marine environment
- Mitigation planting photos are not going to be achieved until 10-15 years later so what other suggestions do you have for immediate screening at the substation?
- What jobs will be offered to Norfolk?

**Question 3: Have you looked at other relevant information provided to help you learn more about the proposals for Norfolk Boreas?**

Aside from the Consultation Summary Document, we also provided a number of other materials of varying degrees of complexity and technical detail. These are listed below:

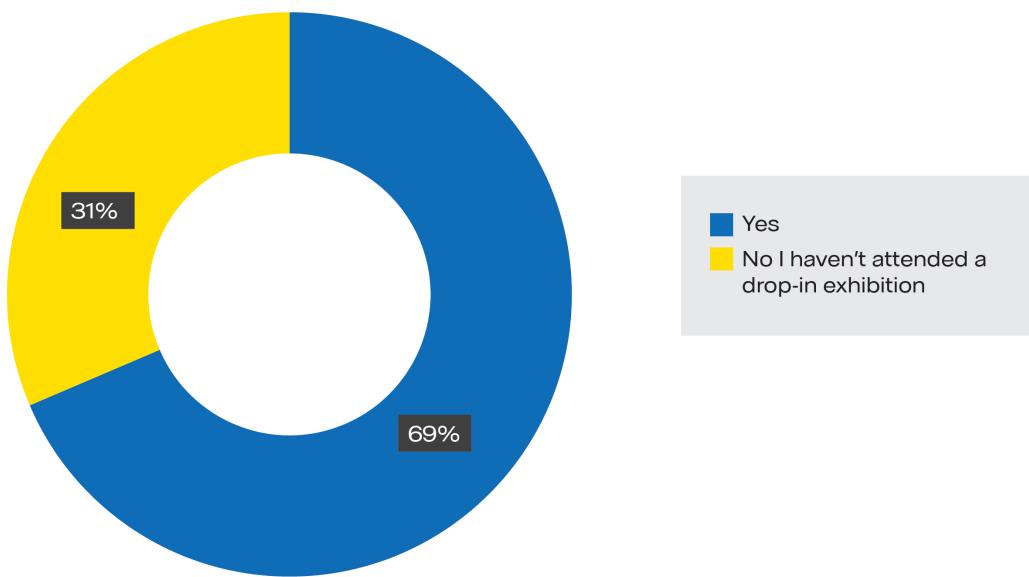
- The PEIR
- The PEIR Non-Technical Summary Document
- Project Newsletter(s)
- Information leaflet(s) titled Landfall, Onshore Project Substation and Onshore Cable Route
- Exhibition materials

We asked respondents which additional information they reviewed during the consultation period and at the public consultation events. The PEIR Non-Technical Summary Document was reviewed more than the PEIR document itself due to its size and length. The exhibition materials, information leaflets and project newsletters were referred to the most.



**Question 4: Have you found the public drop-in exhibitions helpful in answering any questions or concerns you may have had?**

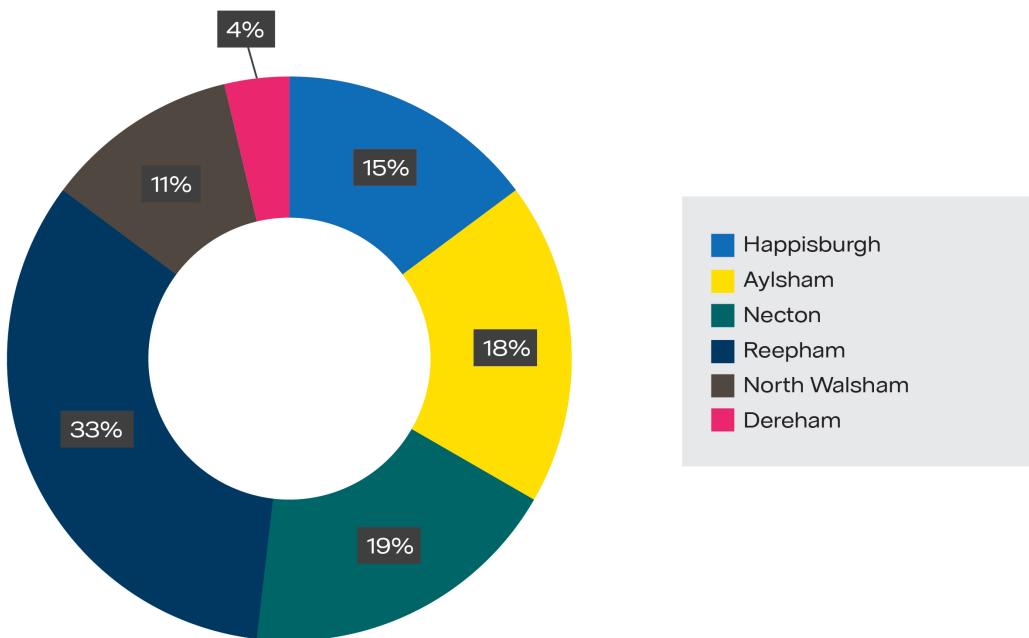
We asked respondents to comment whether they felt the consultation events had been helpful in assisting them with understanding the project and providing the information they required about the proposals. The question was answered by 35 respondents, 11 of which noted they had not attended a consultation event. The remaining 24 respondents stated they found the exhibitions helpful.



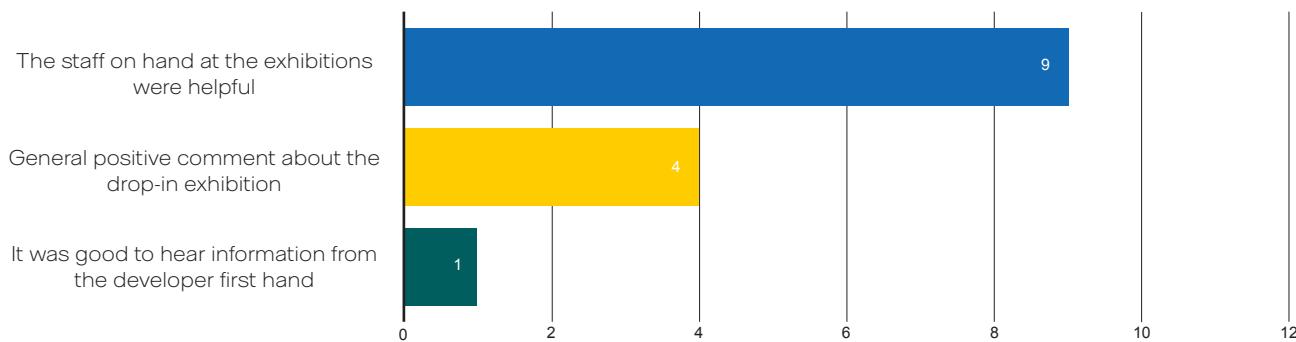
If respondents answered yes, we asked them to state which consultation events they attended. Of the respondents who answered yes, one third stated they attended the consultation event in Reepham which was the most common response.

None of the respondents stated they attended the consultation event in Norwich. We were not surprised that participants at the Norwich drop-in event tended not to provide written feedback. Those living in/close to Norwich are quite far away from the project red line boundary, and do not report that they perceive negative impacts. Several participants followed up on conversations with the team, via e-mail/LinkedIn and other means, seeking advice on how to become involved in the project, and more generally in the industry and its supply chain.

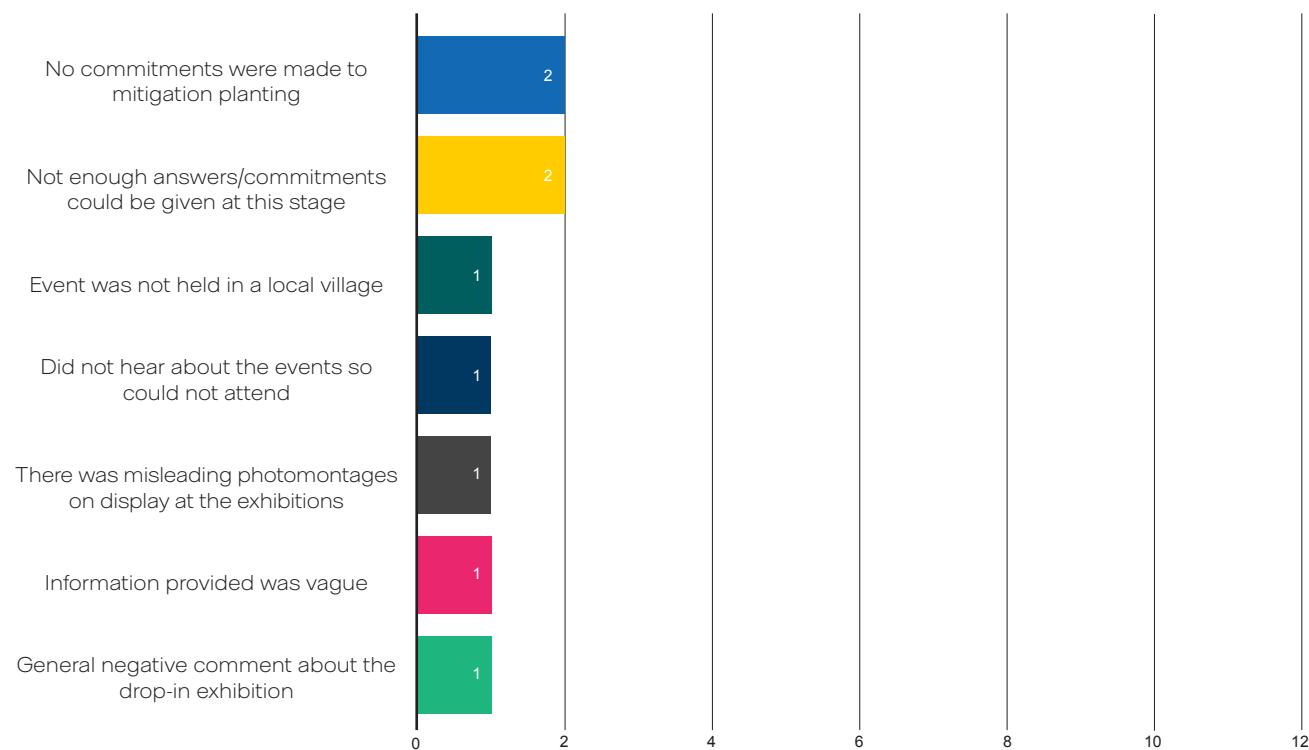
**Which drop-ins did you attend? Please state**



Respondents were also asked why they found the events useful. Themes and feedback included:



Themes and feedback from other comments provided in response to this question included:



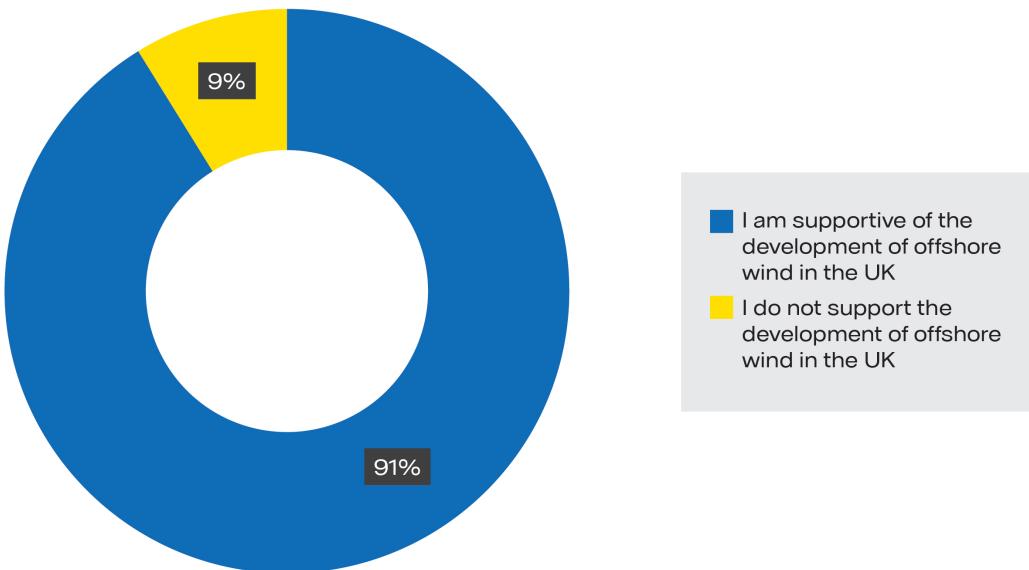
## 2.2. The need for the project

### Question 5: Please tell us your views on offshore wind and its role in the UK's energy mix?

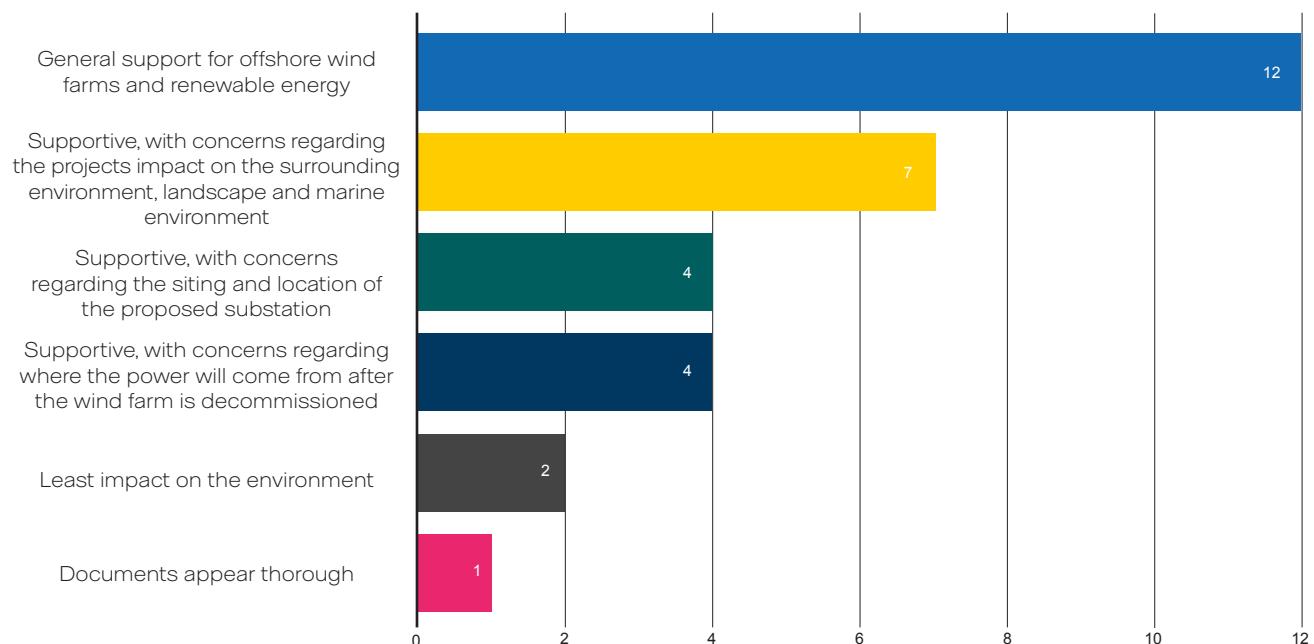
Throughout the informal and formal consultation processes for the Norfolk Vanguard and Norfolk Boreas Offshore Wind Farms, we have been keen to understand local Norfolk communities' understanding and views on renewable energy and offshore wind.

The questionnaire during the statutory consultation process for Norfolk Boreas asked for views on this subject and whether or not respondents were supportive of the development of offshore wind in the UK.

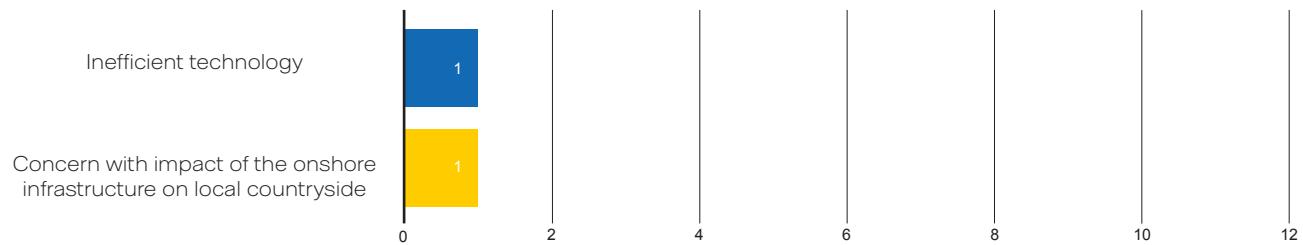
The feedback indicated that a large majority of respondents are supportive of the development of offshore wind in the UK and therefore support the principle of projects such as Norfolk Boreas. This percentage of support has increased compared to the results of the same question asked during the statutory consultation on Norfolk Vanguard, which indicated 88% of people were supportive of the development of offshore wind in the UK and 12% were not.



Comments provided in relation to this question highlighted a number of benefits of pursuing offshore wind including the move away from fossil fuels:



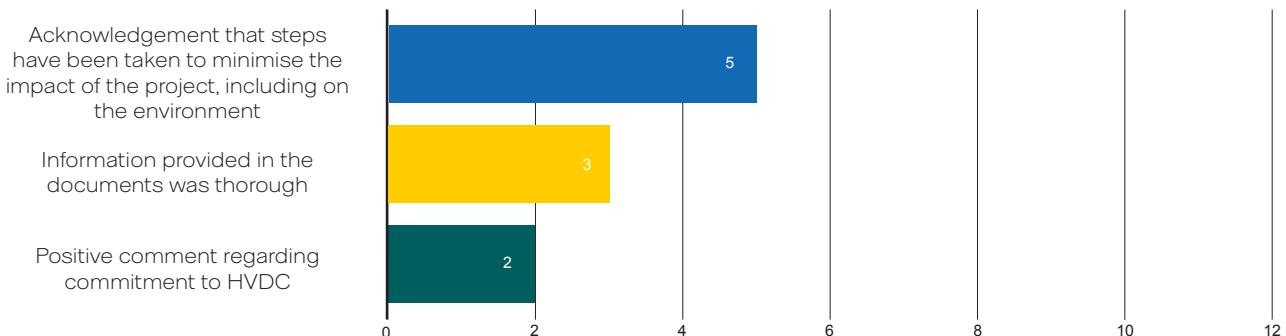
Where respondents stated they did not support offshore wind and where concerns were raised, the key pieces of feedback are recorded below:



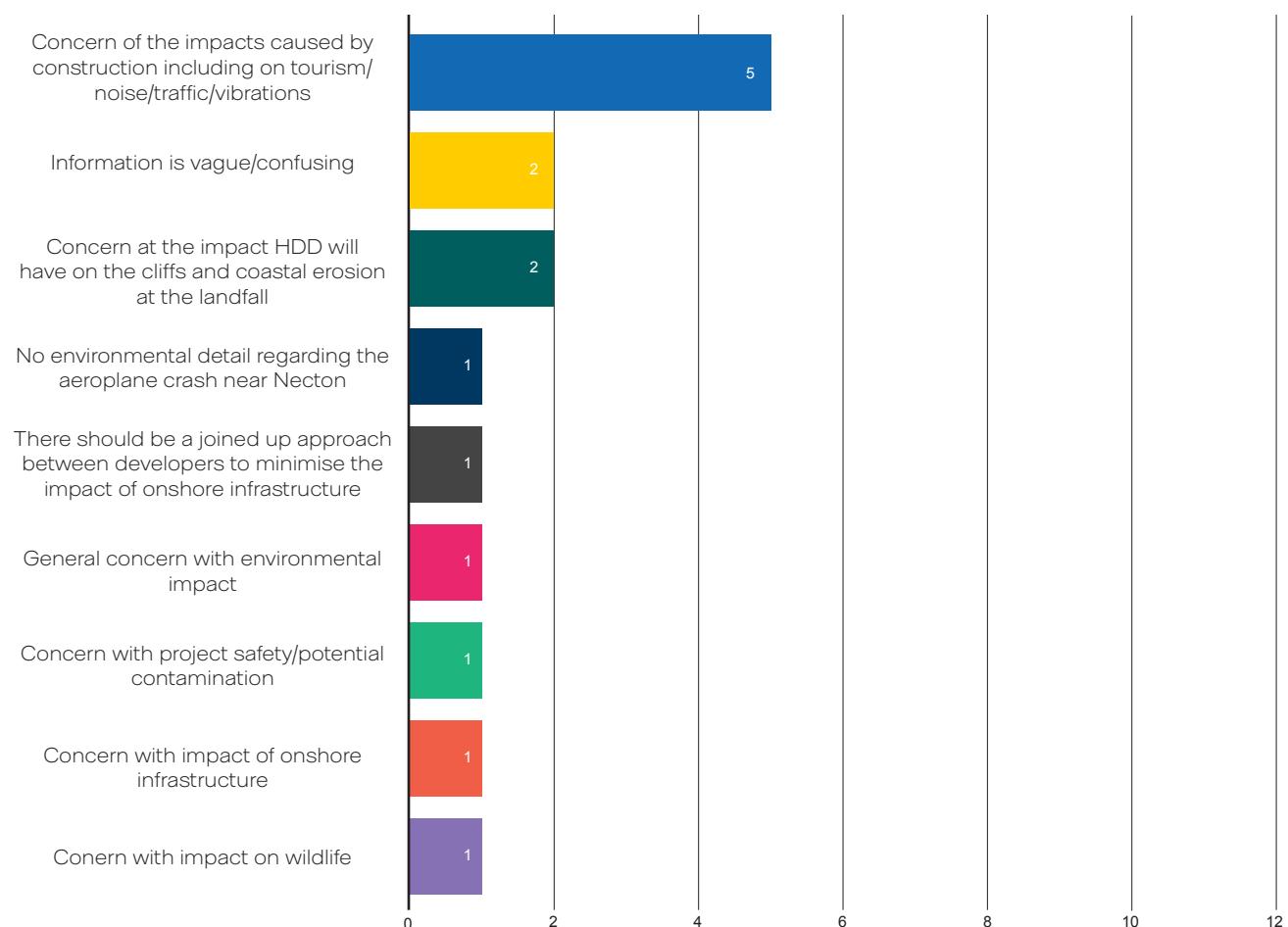
### 2.3. Environmental Impact Assessment

#### **Question 6: Do you have any comments on the environmental information and the suggested mitigation proposed in the PEIR and Consultation Summary Document?**

We asked respondents to share their comments on the environmental information presented in the PEIR and Consultation Summary Document. There was an appreciation from respondents that “issues have been considered and steps taken to minimise negative impacts” including the visual impacts at Necton which “have been minimised with location and screening by planting”. Complimentary feedback on the environmental information is outlined below:



Ongoing concerns in relation to the environmental information presented included the “impact of construction along the route” and the “need to ensure that construction traffic is minimised.” Other responses suggested the information provided in the consultation documents was vague and confusing, and others were concerned that there is not “enough understanding of the impact of HDD through and under the crumbling cliffs”. The feedback summary is shown below:

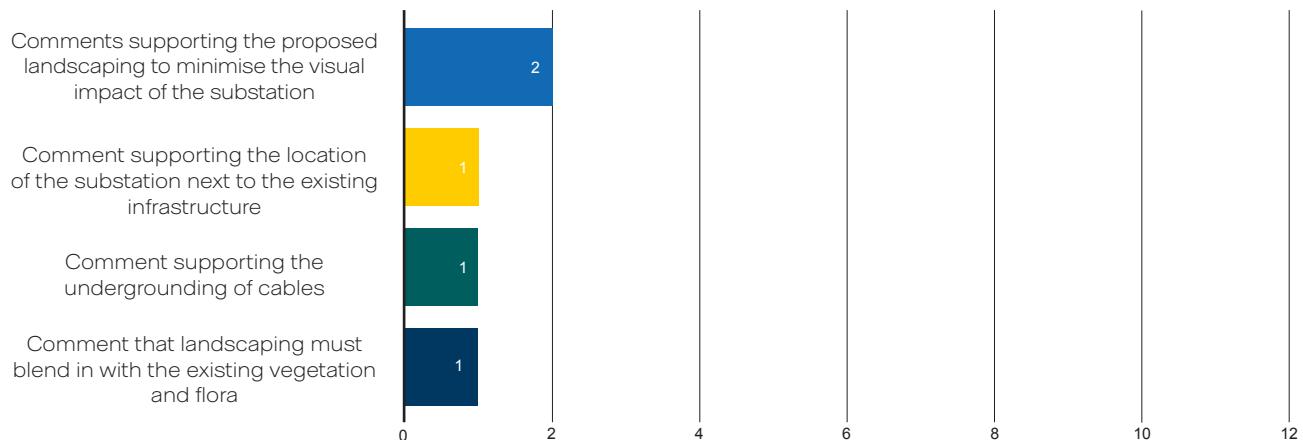




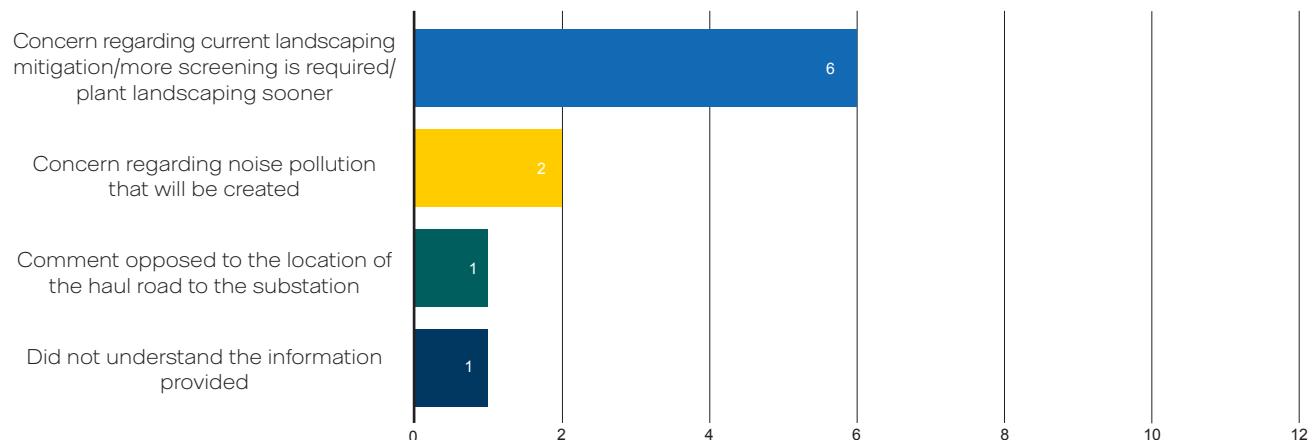
## 2.4. Landscaping and micro-siting of onshore substation

### Question 7: Do you have any comments on landscaping and micro-siting of the onshore substation?

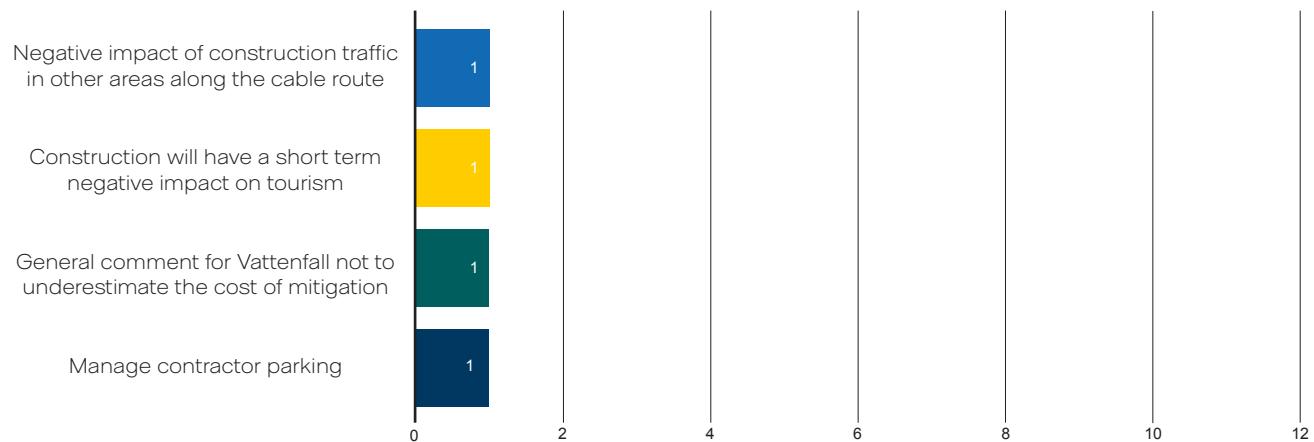
Respondents were asked to comment on the landscaping and micro-siting of the onshore project substation infrastructure. Two respondents acknowledged that landscaping mitigation had been included to help minimise the visual impact of the substation, and one stated it was “logical that the substation is sited by an existing one”. Further comments are outlined below:



The main concern raised by respondents was regarding the visual impact of the substation. Some people stated additional mitigation was required to prevent the visual impact on local people from their homes and from vehicles when using the A47. Others were concerned that planting would take too long to grow and suggested using mature trees to quicken the screening process. Respondents that mentioned noise expressed a general concern that “noise pollution could be significant” and that “noise levels could be modelled”. Concerns raised in the feedback can be found below:



In addition to this feedback, comments relating to areas of the project, other than the onshore project substation, included:





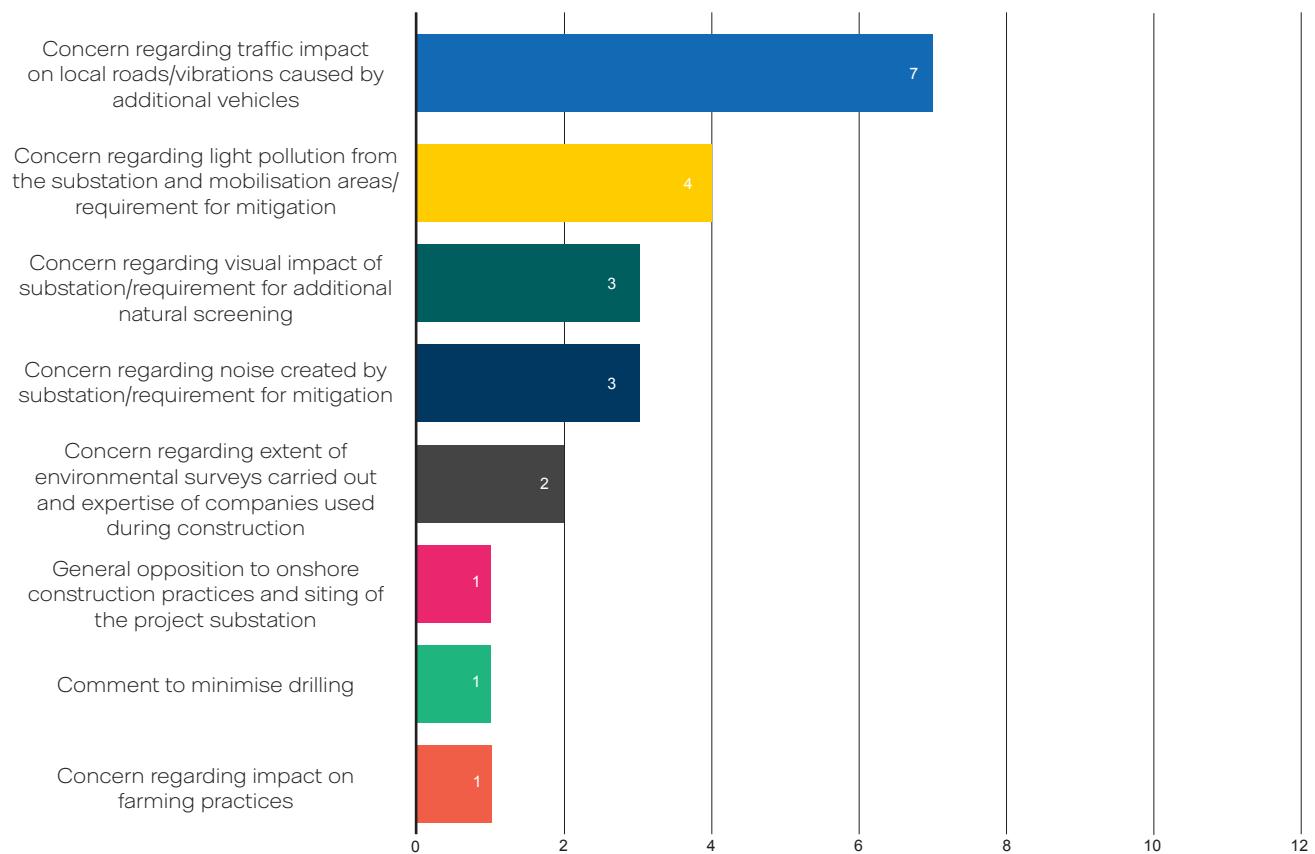
## 2.5. General feedback

### Question 8: Are there any other environmental, operational or visual impacts from the construction, operation or decommissioning of the onshore and offshore elements of the Project that you think we should consider?

The primary responses to this question related to the onshore construction activity. Some respondents expressed their concern with the adequacy of the proposed mitigation and stated that “more natural screening [is needed] in rural areas”.

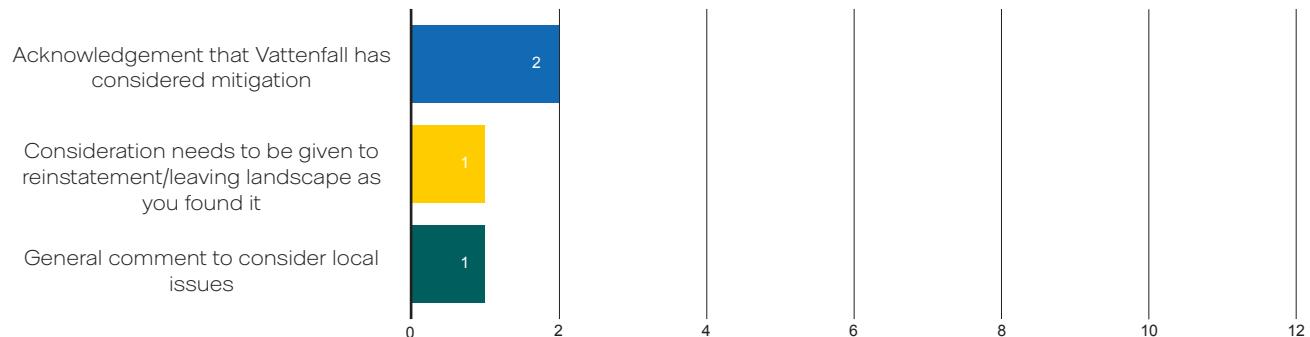
Respondents also raised concerns about “both the noise and light pollution from the site, both during construction and operation”, and the requirement to mitigate these effectively.

The most common response was in relation to traffic and impact on the road network along the cable route. Respondents noted their concerns with heavy goods vehicles using key local roads, including near to areas such as Ridlington, Cawston, Reepham and North Walsham, stating they’re “not suited to 2-directional HGV traffic”.

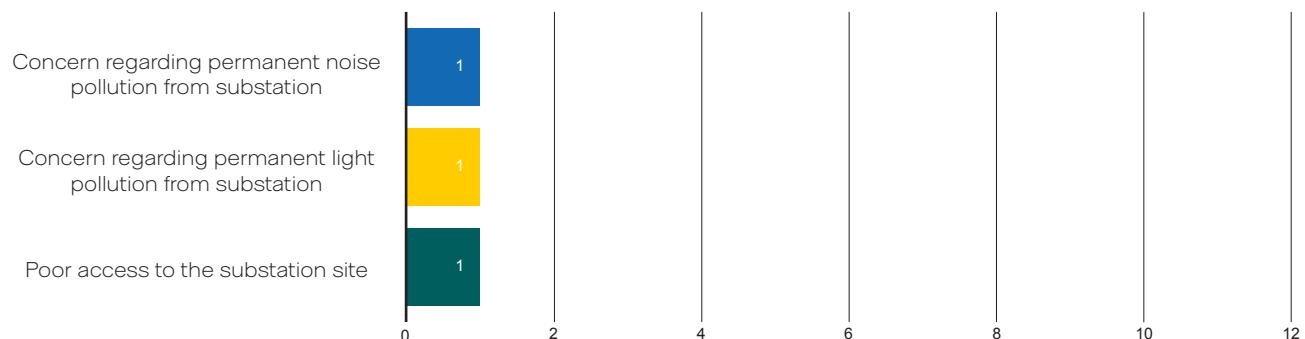


The comment made regarding the siting of the onshore project substation was in reference to both the strategic siting of the substation, close to the existing National Grid substation, and localised siting.

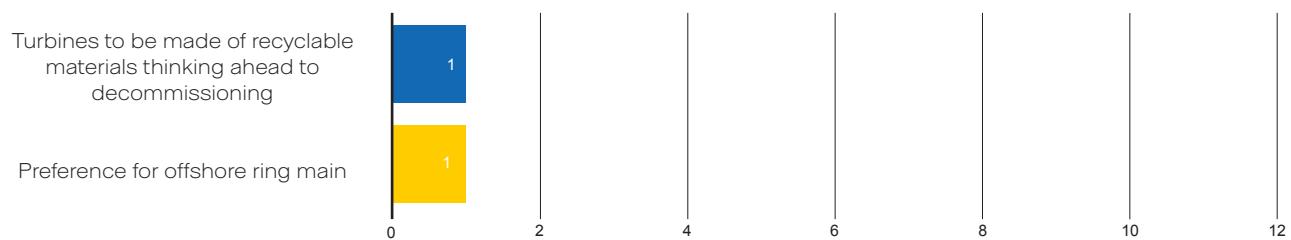
Other feedback regarding onshore construction activity included an acknowledgement that “all impacts have been considered” by Vattenfall and a comment to say “good idea to screen the substation with plants/trees”. This and other feedback included:



Other comments were provided regarding the operation of the onshore elements of the project. These comments can be found below. There were no responses regarding the decommissioning of the onshore elements of the project.



There were also a few comments relating to offshore construction and decommissioning elements of the project. These included:



**Question 9: We welcome any further feedback on the Norfolk Boreas Offshore Wind Farm proposal you wish to provide at this stage**

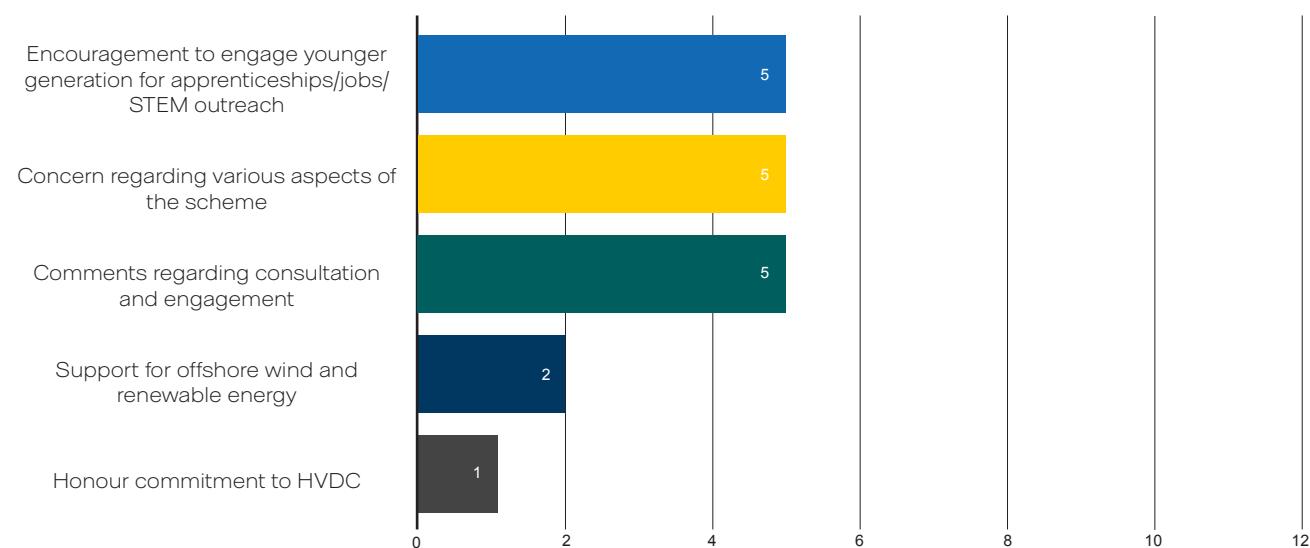
Responses to this question covered a wide range of topics, although many had already been noted in previous responses.

Five responses were provided regarding jobs and skills opportunities for the younger generation, including a “push for local employment” through methods such an “outreach programme in respect to STEM” and “apprenticeships through local colleges”.

Five respondents noted concerns regarding various aspects of the scheme. Issues related to the impact on coastal erosion, security of onshore infrastructure, noisy work, traffic concerns and damage to the environment.

Five respondents made reference to the consultation, ranging from the “consultation approach taken and the information provided have been first class” and a request that when “assessing comments on the Boreas proposal that you automatically pick up and have regard to comments made on the Vanguard project”, to the “questionnaire has loaded questions”, concern that there is only a small chance of feedback being “respected”, and one respondent from Norwich, which is outside of our primary consultation zone, stated they received a newsletter through the door for Norfolk Vanguard but not for Norfolk Boreas.

In addition, there were general comments relating to support for offshore wind and renewable energy:



See appendices for additional themes, concerns and comments received in response to this question.

## 2.6. Summary analysis of email/postal feedback

In addition to the 44 questionnaire responses we received during the statutory consultation period, we also received 54 emails and two letters to the project email address, [info@norfolkboreas.co.uk](mailto:info@norfolkboreas.co.uk), or via the Freepost address. 15 of these were made from local residents and community groups, including 13 emails and two letters.

We also received feedback from a range of interested parties including statutory consultees, Parish Councils, local organisations and community groups. In total, we received 31 responses from Statutory Consultees, two representing landowners and nine from town and parish councils and local planning authorities (an additional two parish councils provided feedback through the feedback form).

The summary of the issues raised, below, represents feedback received from local residents, parish councils and interested parties, which is being reviewed in detail by the technical project team and will be presented in the Consultation Report submitted with the DCO application.

### **Feedback analysis**

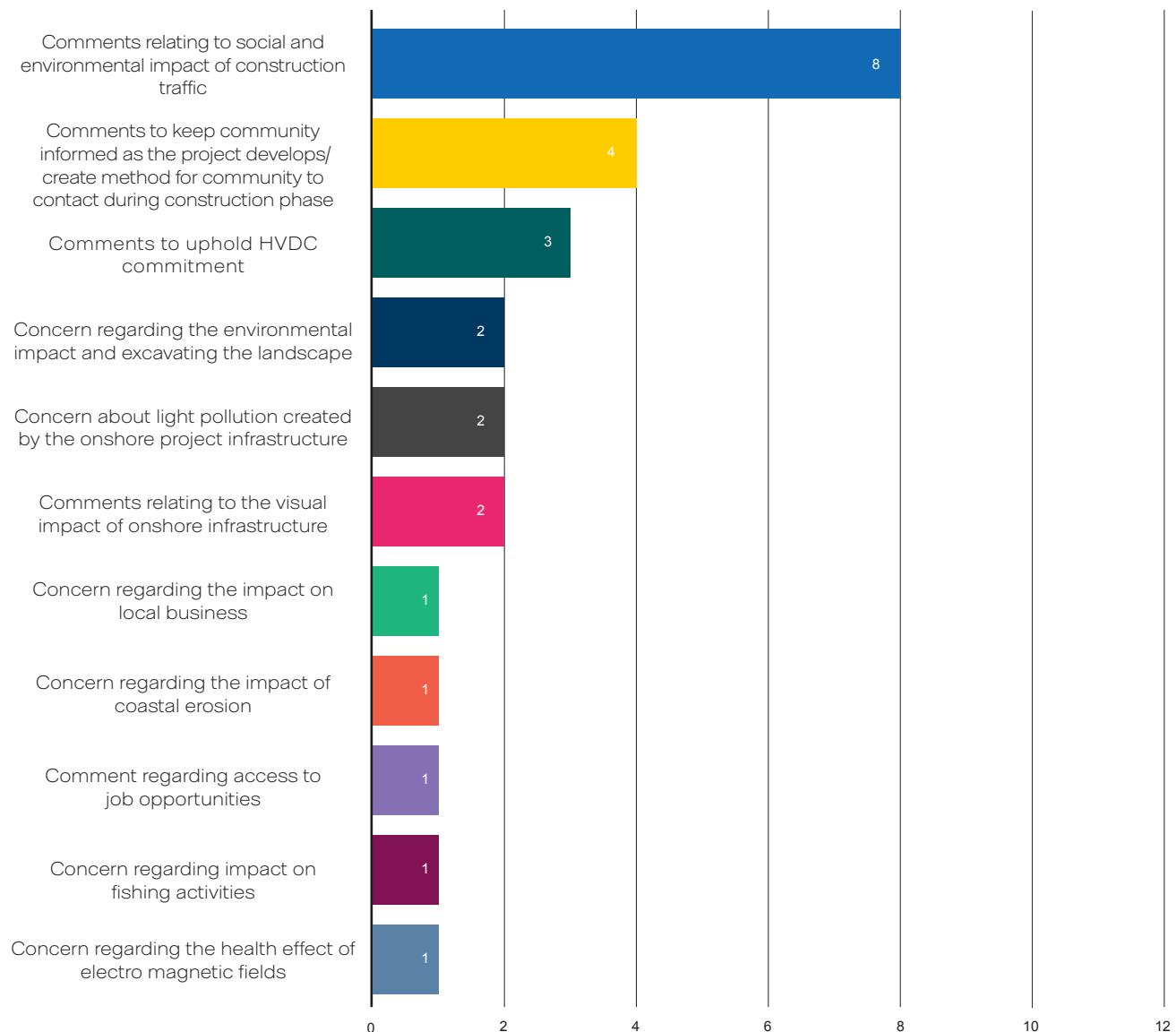
The email and postal feedback received via the project email address broadly covered the same topic areas and issues raised in the feedback form responses.

There were eight responses in relation to the impact of construction traffic on local residents, the road network and environment, including increased pollution. There were an additional six responses regarding noise created during construction of the onshore infrastructure and by project vehicles driving on local roads, which included the impact on local businesses and potential loss of revenue.

There were three comments relating to the transmission method, with respondents affirming their preference for HVDC to be used rather than HVAC. Respondents also asked for Vattenfall to not turn back on this commitment.

Three respondents made comments regarding the consultation and stakeholder engagement. These responses asked Vattenfall to continue engaging with the community at different milestones as the project progresses and to provide a method for the community to contact the project to ask questions and raise issues during the construction phase, if the project is consented. Some respondents thanked Vattenfall for the level of community engagement to date.

Further comments related to the impact the project and onshore infrastructure will have on the environment, including visual impact and light pollution. The graph below notes the comments we received. All comments will be considered as part of our development of the final proposals



While not measurable in the same way, or directly reported in our statistical analysis of feedback, we have also taken on board face to face discussions and verbal feedback received during the consultation events. We appreciate the time taken by local communities to provide feedback during this process.

## **2.7. Summary analysis of significant feedback submissions**

In addition to the feedback received from local residents during the statutory consultation period, we also received 31 detailed responses from technical and special interest consultees including Natural England, Anglian Water, National Trust, RSPB, The Wildlife Trusts and the Environment Agency to name a few. These are being reviewed and analysed by our technical consultants and will be taken on board as we develop the proposals.

We are continuing to analyse all of the consultation feedback we have received and have included an overview response to the key themes and issues raised from these submissions in section 2.10. We are very grateful to those who took the time to provide feedback as part of this statutory consultation process and will ensure we address all of the points that have been raised. We will include a full assessment and response to the issues raised in the Consultation Report, which will be submitted as part of our DCO application in summer 2019.

## **2.8. Local Planning Authority and Parish Council engagement**

We also received feedback from local planning authorities through or near to where the cable route passes. The local planning authorities are listed below:

- Breckland District Council
- Broads Authority
- Great Yarmouth Borough Council
- Norfolk County Council
- North Norfolk District Council

In addition, some parish and town councils along the cable route submitted feedback. These included:

- Burgh and Tuttington Parish Council
- Bylaugh Parish Council
- Colby & Banningham Parish Council
- Ingworth Parish Council
- Oulton Parish Council
- Reepham Town Council

Responses from the authorities included detailed comments on the PEIR and consultation documents. Many of the comments and issues raised were reflective of the comments made by members of the community, stakeholder groups and organisations.

All of the feedback received is being reviewed and analysed by the relevant team members.

## **2.9. Landowner engagement**

Throughout the informal and formal consultation processes for Norfolk Boreas and Norfolk Vanguard we have been in discussion with landowners along the cable route to ensure they are fully informed about how the proposals may affect their land.

We have encouraged landowners to provide feedback as part of this statutory consultation for Norfolk Boreas and some have responded formally. The National Farmers Union (NFU) and the Land Interest Group (LIG) have submitted a response on behalf of approximately 60 landowners who own or lease land affected by the project. We are grateful for the time taken to collate and provide this response on behalf of local landowners.

To summarise, the submission covers issues regarding the depth of cables in relation to farming practices, the continued preference for a HVDC solution to minimise the impacts of the onshore infrastructure and mitigation of electromagnetic fields at the cable crossing with Orsted. Landowners would like further detail on the impact on field drainage and drainage solutions from the running track along the cable corridor, as well as information regarding soil contamination and reinstatement, and the impact on crops.

The NFU and LIG also confirmed they would like further discussions and consultation around the siting of the converter station and access points across holdings from the road network to the onshore cable route corridor.

All of the feedback from the NFU and LIG, including other landowners that provided formal feedback, will be taken into account and will be considered and analysed as the project progresses. Other formal feedback and comments received by landowners separate to this representation are included in the above analysis of the key issues and themes.

## **2.10. Key issues and how we are responding to them**

Some 364 participants visited our drop-in exhibitions. In addition, there were 4,840 visits to key pages on the project website during the statutory consultation period, and we received 100 items of written feedback. We 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 and concerns about potential impacts they anticipate during construction, and identifying opportunities to implement local mitigation. Many of the points and ideas raised will be considered in various construction activity management plans.

Outline plans are currently being drafted. Before they are finalised to secure the mitigation, methods and commitments, they must be reviewed, including during the examination process, and ultimately approved by the relevant authorities. In the meantime, in order to progress the outline plans we are continuing to engage with relevant stakeholders, and where appropriate, conduct surveys, assessments and detailed design to inform the management plans. We refer to some specific plans in the sections that follow.

Several participants gave detailed feedback in relation to construction issues, and in particular noted their concerns around the potential impact of construction traffic. The depth and detailed nature of some feedback we have received, reflects respondents advanced understanding of local issues and also our assessments, as published in relevant chapters of the PEIR. In some instances respondents had also attended drop-in events and had taken time to review detailed materials together with relevant project team specialists – the resulting feedback is very rich, and will be given careful consideration as outline plans are refined.

**Construction and traffic impacts**

There were 21 respondents who made comments on the impact of construction on local roads, particularly in relation to HGV traffic. The main concerns were focussed on the construction of the onshore infrastructure, associated impact on roads such as the B1145 and B1149, and around Cawston and Reepham.

Respondents highlighted their concern that in these areas “road width is not sufficient to allow two heavy vehicles to pass without difficulty”, and there are a number of “narrow pavements and several blind junctions” which makes it unsafe for large vehicles to use these routes. Feedback also highlighted the cumulative traffic impact on Reepham and surrounding roads – Vattenfall’s projects’ underground cables are proposed to cross with Orsted’s Hornsea Project Three, which could potentially result in construction vehicles from both developers overlapping and impact the local highway in this area.

Additional concerns relating to construction traffic included noise and vibrations that would be created by HGVs, particularly where properties are situated immediately adjacent to affected roads. Some feedback suggested that older properties could be subject to potential structural damage as a result of vibrations caused by increased HGV traffic and already “feel the building shake when large vehicles pass”.

Concerns were also voiced regarding the “impact on residents and businesses during road closures suggested during the construction works” and businesses that may “lose trade during construction”. One business located off the B1145 expressed concern with HGV vehicles using “single track” roads and implied additional traffic may affect the number of customers that are able to access it.

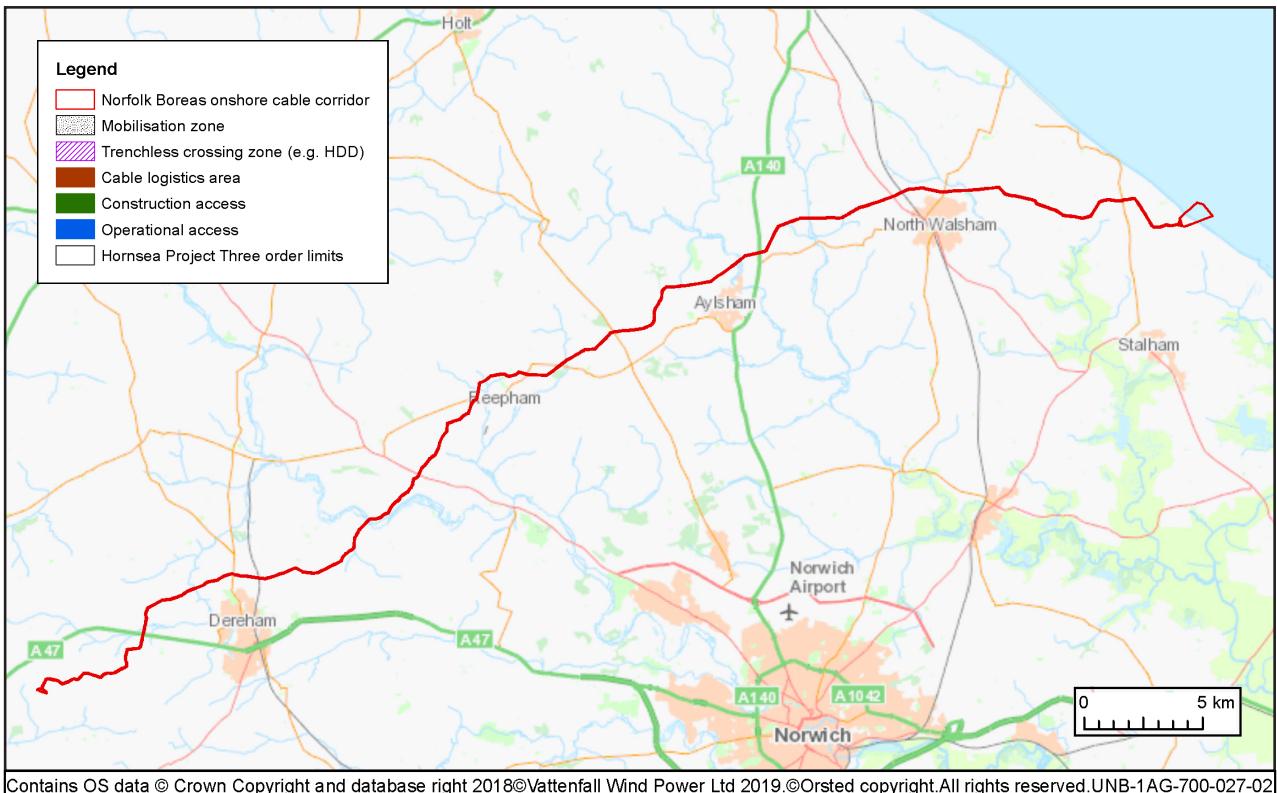
Other comments encouraged Vattenfall to closely monitor and consider the traffic management to ensure the local road network can cope and without inconveniencing local home and business owners.

**Our response:**

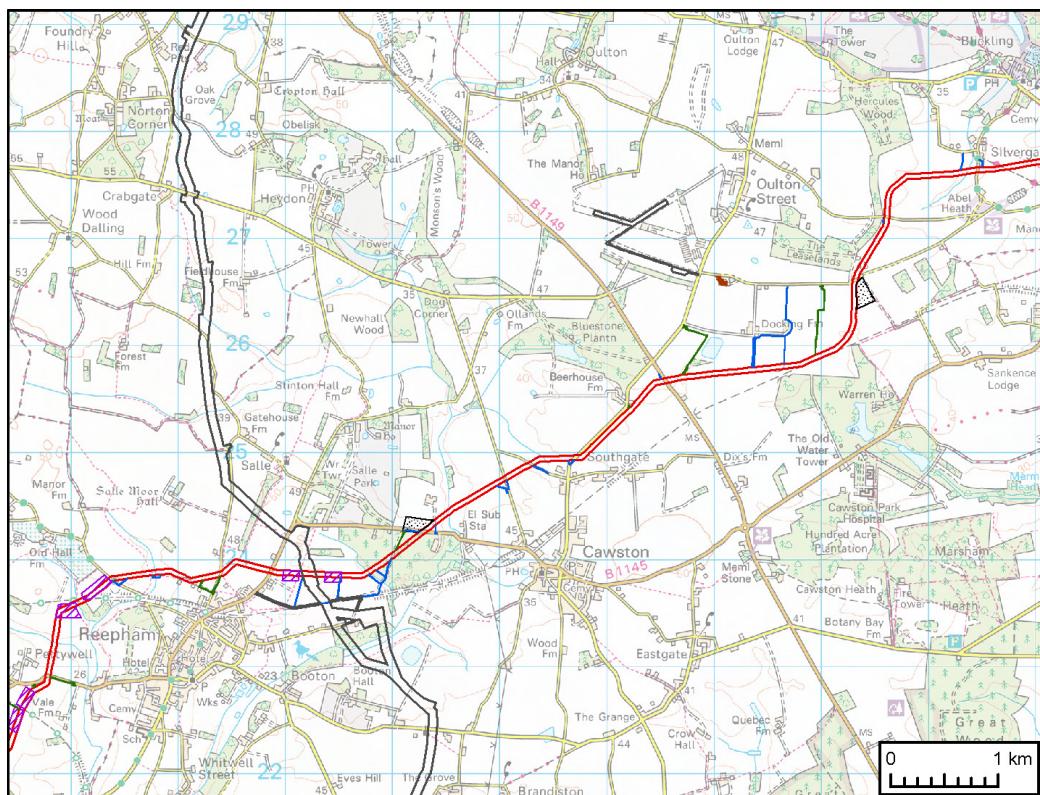
Construction traffic will be managed in agreement with Norfolk County Council’s highways authority through the Traffic Management Plan prior to works beginning. An Outline Construction Traffic Management Plan, Outline Code of Construction Plan, Outline Access Management Plan and Outline Travel Plan will be provided at Norfolk Boreas DCO submission.

We will also continue to liaise with Orsted regarding works and potential cumulative impacts associated with the proposed cable crossing of Hornsea Project Three and Vattenfall’s export cables, near Reepham, to ensure collaboratively that cumulative impacts are limited to acceptable levels. A map showing this cross section can be found below.

### Norfolk Boreas onshore cable corridor



### Norfolk Boreas onshore cable corridor crossing with Orsted's Hornsea Project Three



### Visual impact of the onshore project substation

Nine respondents raised concern with the visual impact of the onshore project substation and associated works. Concerns were raised about the size and scale of this infrastructure and its “huge impact on the landscape”.

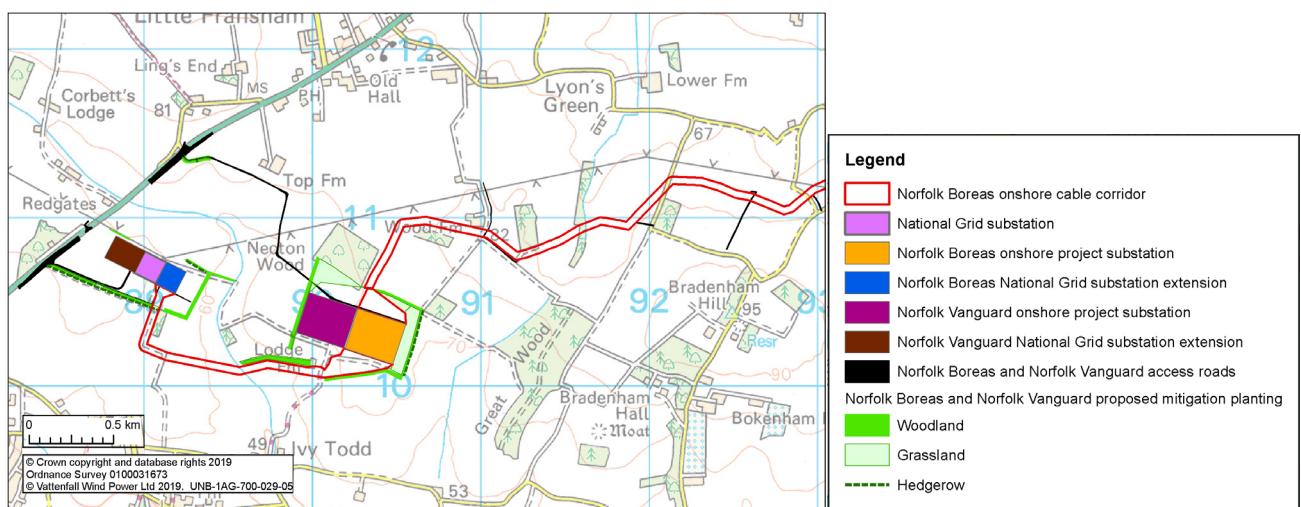
Most responses related to this theme were regarding the proposed mitigation around the site to help reduce the visual impact. Concerns were raised about how adequate the proposed screening and planting will be, with comments ranging from “examples of screening show that more is needed” to “I don’t think the converter halls at Necton can be mitigated”.

Two respondents suggested planting as early as possible to help in the construction process to maximise the effectiveness of mitigation. Comments included “plant trees that grow quickly” and to “plant sooner”.

#### Our response:

The onshore project substation and the national grid extension are required to enable power from the offshore wind farm to be connected into the national grid. The siting of these two vital elements of infrastructure has been undertaken carefully, in order to limit environmental impacts and maximise embedded mitigation. The location of these elements has good potential for the establishment of screen planting and other measures to mitigate the impacts of the development, including making effective use of topographic undulations, existing mature woodland and hedgerows, by retaining these and using them as natural screens. Mitigation woodland, hedgerow and grassland planting is proposed in key areas and we are committed to doing this as early as possible. The mitigation woodland, hedgerow and grassland planting is shown on Figure 2 (see also Chapter 29 Landscape and Visual Impact Assessment within the PEIR, including Figures 29.9, 29.10a, 29.10b and 29.11). We will continue to work with local residents, their elected representatives, landowners and other relevant stakeholders to consider appropriate planting schemes. In relation to the onshore project substation and the converter halls, we will explore options like colouring and cladding to help mitigate visual impacts further.

### Norfolk Boreas and Norfolk Vanguard proposed mitigation planting



### **Transmission System**

Another focus of the responses relates to the transmission system proposed for the Norfolk Boreas and Norfolk Vanguard projects. In February 2018, Vattenfall committed to using High Voltage Direct Current (HVDC) cable technology over High Voltage Alternating Current (HVAC) cable technology to connect both Norfolk Boreas and Norfolk Vanguard to the UK's national grid.

This was a strategic decision, influenced by feedback provided during the informal and formal (statutory) consultation for Norfolk Vanguard. Feedback from local residents expressed concern with HVAC technology and the associated above ground infrastructure, notably the cable relay stations (CRS), the width of the associated cable corridor, and the length of time required to construct an HVAC system.

There were eight comments made regarding the transmission system during the Norfolk Boreas statutory consultation, and five were concerned that post-consent, there is a possibility that the projects might revert to a more traditional HVAC transmission system after all, thereby eliminating the embedded mitigation associated with the innovative HVDC solution. Comments included "Vattenfall must honour the commitment to DC technology as this mitigates many issues in part" and "any backtracking to AC would be a betrayal of our confidence in Vattenfall". One of the respondents said "we have to place our trust in the company's integrity".

However, it was recognised by two respondents that Vattenfall's commitment to HVDC would reduce the impact of the project and comments included: "I am thrilled that you are proposing to use a DC transmission system" and "renewable energy projects should, where possible, use the approach which has least negative impact on the environment. Vattenfall has taken a major step in this direction by adopting the HVDC approach to the transmission of the electrical power from the wind farm to the National Grid."

### **Our response:**

Vattenfall is committed to deploying a HVDC solution for both Norfolk Boreas and Norfolk Vanguard. Our DCO application for Norfolk Vanguard (at time of writing subject to Examining Authority led examination process) is for a project with an HVDC transmission system. As for our PEIR, our ES and DCO application for Norfolk Boreas (to be submitted in summer 2019) this will also be pertinent for a project with an HVDC transmission system only. If consent is granted, in both cases, it will be for an HVDC transmission system.

We recognise the global need for renewable energy to increase its share in the energy mix, hence our aim to power climate smarter living within one generation. Vattenfall is a global leader in wind power development and production. To maintain this role and to fulfil our purpose, we must develop projects in environments that, while potentially more challenging, also offer greater benefits e.g. wind speeds are more constant further offshore and therefore enable offshore wind to approach a "baseload" function. These projects require innovation and efficiencies, and one step towards that goal is to develop and refine HVDC transmission. This offers energy-efficiency, environmental benefits, and as the technology matures, it has the potential to deliver cost-efficiencies. The location and characteristics of Norfolk Vanguard and Norfolk Boreas, including their scale and co-development, make them ideal projects for innovations of this type, particularly as we have begun to co-develop solutions early with specialist supply chain partners.

**Education, skills and employment**

Five respondents highlighted the opportunities for Vattenfall to engage with the younger generation, by providing education and training and helping to develop their skills and creating pathways for a career in the industry. Specifically, requests were made for Vattenfall to “fully engage in apprenticeships through the local colleges” as a route into the energy sector and renewable technologies, while others acknowledged Vattenfall’s engagement to date in helping to inspire a generation, including helping to “produce engineers of the future”.

There were comments from two local community groups to explore partnership opportunities regarding STEM outreach and educating young people on its work developing these technologies. The overall message from respondents was for Vattenfall to help inspire future generations. By providing these opportunities, it will enable young people to gain experience in a new sector, open their minds to a new career path and help create a “push for local employment”.

**Our response:**

We have undertaken a number of pilot studies in collaboration with local schools, colleges and the University of East Anglia (UEA) aimed at providing young people with experience of working with a renewable energy company and exposing them to the different lines of work in the industry.

Most recently, students from UEA supported Vattenfall’s project team at the Norfolk Boreas public consultation events by operating a 3D computer model of the onshore project infrastructure. They were able to gain valuable experience by talking to local people and understanding their concerns first hand. The students were also able to provide valuable project insight by explaining to attendees, verbally and visually, what the above ground infrastructure at the project substation would look like from nearby locations including from people’s homes.

Our projects’ Local Liaison Officer also continues to engage communities along the cable route and where appropriate, seeks opportunities for young people to gain experience and understanding of how the offshore wind industry works. The work undertaken to date will inform our skills strategy, and also our supply chain strategy, which are developed with the aim of ensuring that Norfolk and the New Anglia Local Enterprise Partnership are poised and prepared to maximise the opportunities Norfolk Boreas (and Norfolk Vanguard) present.

**Consultation and engagement**

12 respondents made comments on the consultation and engagement undertaken on the project. Comments ranged from the “consultation approach taken and the information provided have been first class”, to “I hope it has been more than just a public relations exercise, and people’s real concerns are being taken seriously” and concern that there is only a small chance of feedback being “respected”.

Three respondents requested that Vattenfall continue its engagement with local communities as the project develops, and keep them updated via the existing communication channels, such as by email, newsletter and the project website, to ensure they are made aware of any developments.

A respondent also requested that if the project is consented there are communications channels in place to continue its engagement with the project, to ask questions and raise any potential concerns with construction activity.

**Our response:**

We have established mechanisms for keeping the community updated on both the Norfolk Boreas and Norfolk Vanguard projects. We will continue to utilise these channels by providing updates on significant project milestones or by closing the feedback loop, as we have done by making this Interim Consultation Report easily accessible for people to review how their feedback is being taken forward. Our newsletters, and regular website updates will keep interested parties informed, and the regular lines of communication ([info@norfolkboreas.co.uk](mailto:info@norfolkboreas.co.uk) and 0800 019 3517) will remain as first points of contact with the project.

Vattenfall is committed to listening to community feedback and where possible, helping to answer questions and resolve concerns, via collaborative effort, wherever appropriate. We are grateful to those who have engaged with us to date. In our view, this input has enabled us to refine our proposals for Norfolk Boreas and we think will lead, ultimately, to better projects for Norfolk.

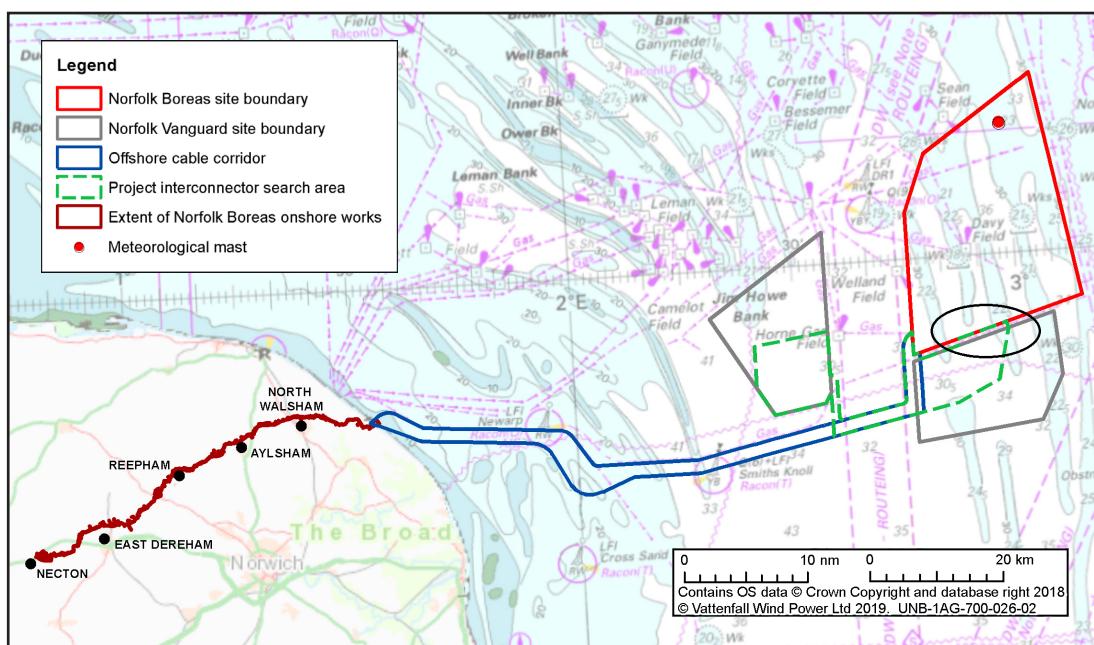
If our projects are consented and progress to the construction phase, Vattenfall’s local communications channels will remain as important as ever, and even be stepped-up. It will be important to maintain a two-way dialogue during construction. Residents and interested parties can be kept abreast of work plans and equally raise potential concerns expediently, and so that they can be addressed appropriately. We will explore the benefits of convening local liaison committees with appropriate scopes and (geographic) coverage to ensure local representatives, including Parish Councils are appropriately briefed and can feed into work plans.

### 3. Next steps

We would like to thank all local people and stakeholders for their continued contributions to formal and informal consultation on the Norfolk Boreas and Norfolk Vanguard projects.

Surveying for the Norfolk Boreas EIA process is very nearly complete (at the time of writing this report). Our focus is to have due regard of all the feedback we have received during the statutory consultation period, and from our most recent dialogue with statutory and expert topic groups, as we produce the final EIA chapters for the Environmental Statement. We will also continue discussions with landowners along the cable route. We will prepare our Development Consent Order application documents, including the full Consultation Report, and submit these to the Planning Inspectorate in summer 2019.

Beginning in February 2019, we will conduct 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).

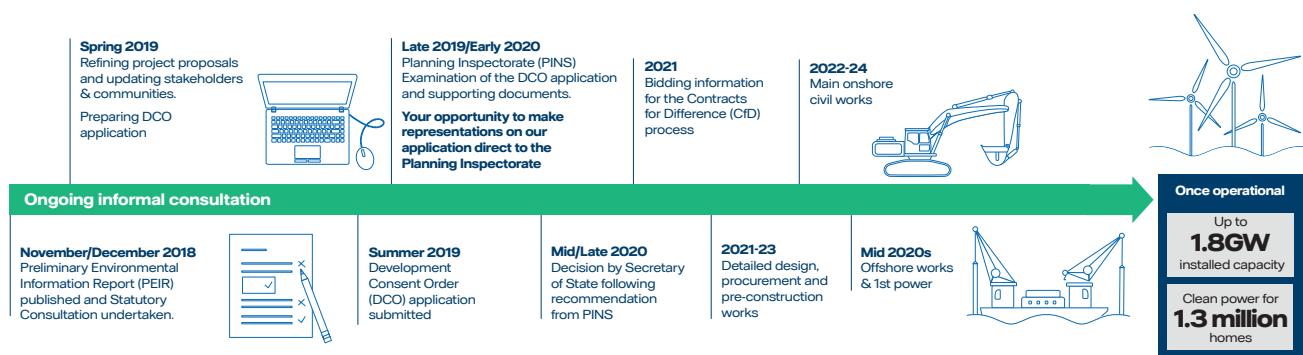


As was noted in 2017, when our engineers were considering the option of either an HVAC or an HVDC transmission system for Norfolk Vanguard and Norfolk Boreas, the benefits of an HVDC system include lower transmission losses and less disturbance to marine and onshore environments; the challenges include how to achieve resilience of the export system given the small number of export cables and the possibility of cable failures. Having refined our design (for both Norfolk Boreas and Norfolk Vanguard) to describe an HVDC transmission system, the proposed change is consistent with EIA principles – providing a more direct route for power to be exported to the national grid, reducing impacts (and at the same time offering cost-efficiencies). It also builds resilience into the HVDC export system.

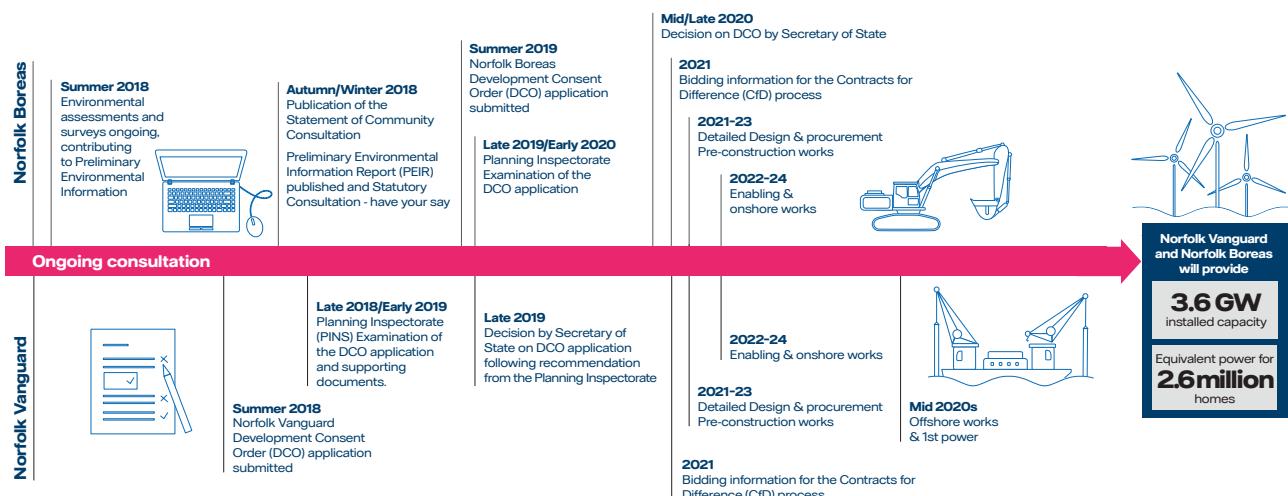
The proposed change has no effect on any of the onshore proposals presented to you in the recent consultation.

Below is an indicative timeline showing the next steps and anticipated timescales for the Norfolk Boreas project, and a projected timeline for Norfolk Boreas alongside Norfolk Vanguard.

### Norfolk Boreas Indicative Timeline and Next Steps



### Norfolk Vanguard and Norfolk Boreas Indicative Timeline



The timelines look ahead to when we would expect to receive a decision from the Planning Inspectorate on our Norfolk Boreas DCO application. If the project is granted consent, we would review our plans and invest further in detailed design. This is also the period when we would be working with the relevant statutory stakeholders and local authorities to agree the appropriate way of fulfilling the specific planning conditions outlined in the DCO. These specifications will be set out in our draft documents submitted with the DCO application, and are refined during the examination process. We will continue to work with the relevant statutory bodies beyond this design phase and into construction and operation to ensure we discharge these conditions. For the project to proceed we must comply with these conditions.

Once the detailed design and onshore procurement is complete, we expect to begin pre-construction works. Pre-construction includes items such as road modifications and environmental surveys, and some pre-construction activities will be agreed with the relevant local authorities. The ducting (for both Norfolk Boreas and Norfolk Vanguard, should both be awarded a DCO) would most likely be completed in 2022-2024.

The offshore design and procurement extends beyond the onshore design and procurement, and the offshore construction begins later. This ensures we can install the most advanced turbines, using the most advanced techniques possible.

Throughout the timeline we will continue to work with a variety of local and national stakeholders to ensure as many local people as possible have the skills required to secure a career in the offshore wind industry or supply chain. We have already been engaging with the local supply chain to ensure contractors have the opportunity to collaborate with local companies. Our supply chain workshop on Wednesday 5th December 2018 was well attended by local SMEs as well as two larger TIER 1 companies, local business development organisations and the Local Authorities. A full report of the workshop can be found here: <http://bit.ly/2T5u6Sz>. We were very encouraged by the willingness of local stakeholders to explore the opportunities and begin considering early how to up-skill and develop the workforce in order to capitalise on local opportunities.

**Thank you**

Those who have engaged formally or informally with either Norfolk Boreas and Norfolk Vanguard over the years will have seen how the proposals have evolved and how much your feedback has influenced our thinking. We would like to thank you again for your continued input and for sharing your knowledge and local insight during this time.

We pride ourselves on meaningful engagement and listening to the concerns of local communities. Our approach to developing major infrastructure projects is to engage in an open, two-way dialogue before we make any decisions, and this has helped us make more robust and sustainable decisions for Norfolk Boreas and Vanguard and to make better projects for Norfolk and the region.

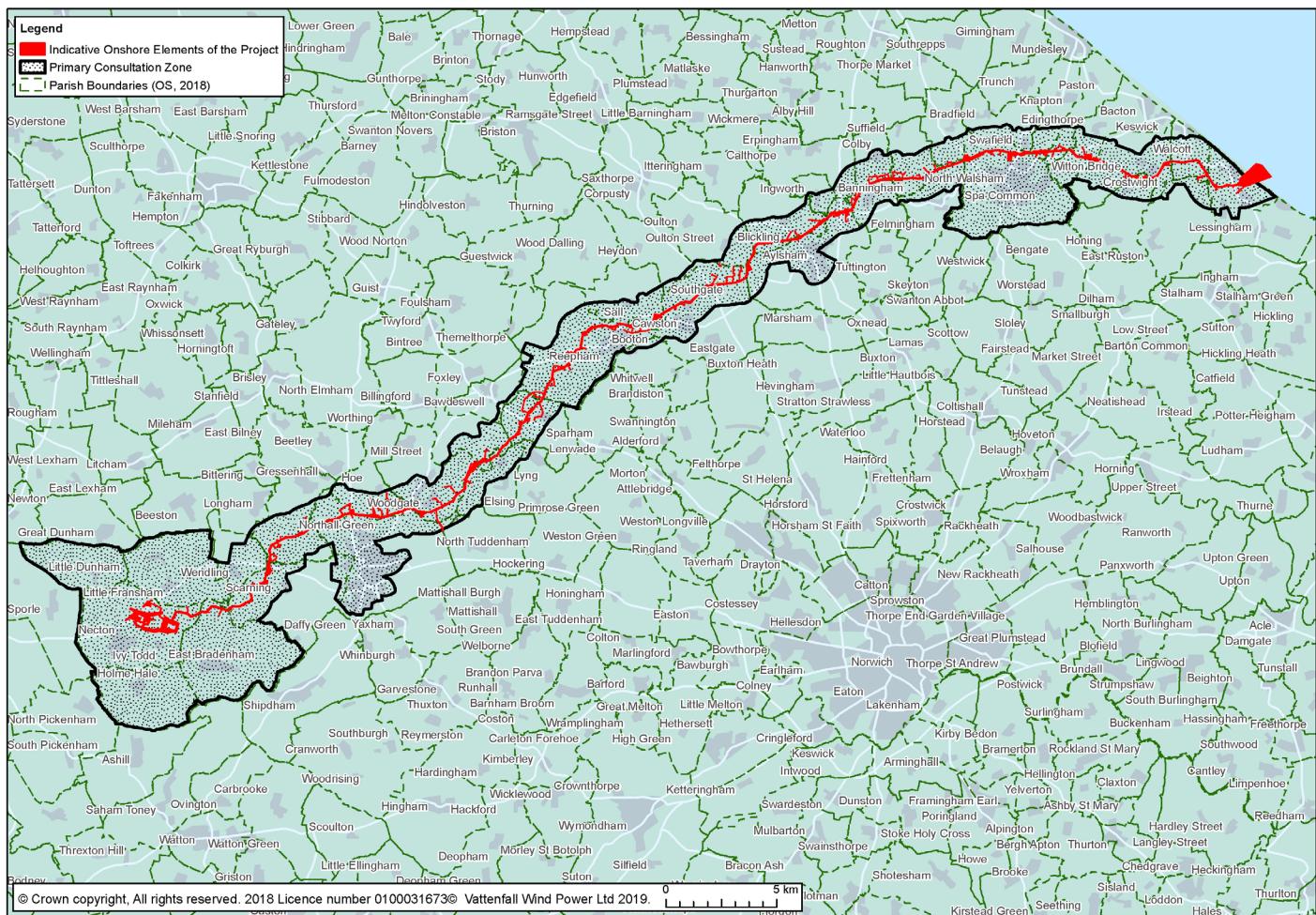
There is a lot of work left to do before the project will be supplying green energy for UK homes and businesses, and our technical team will be preparing our Norfolk Boreas DCO application over the coming months. We will continue to engage with local communities and the supply chain, so please look out for updates online and via project newsletters as we approach the milestones outlined in the timeline.

If you have any questions in the meantime, please do get in touch with the Norfolk Boreas team via the project channels. All of the information currently available related to the project can be found on the project website [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas).



## 4. Appendices

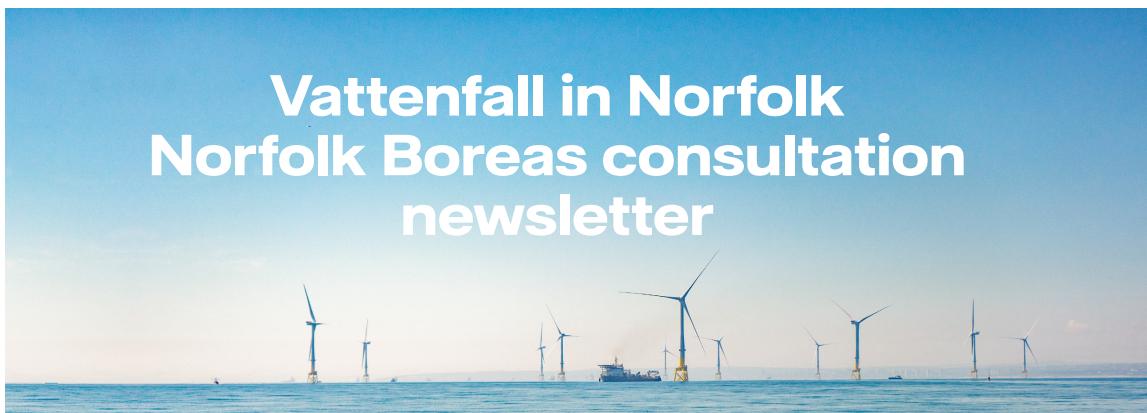
### Appendix 1 – Primary Consultation Zone



## Appendix 2 - Consultation newsletter published in October 2018

A full copy of the newsletter can be found on our website here: <https://corporate.vattenfall.co.uk/projects/wind-energy-projects/vattenfall-in-norfolk/norfolkboreas/documents/>.

# Vattenfall in Norfolk Norfolk Boreas consultation newsletter



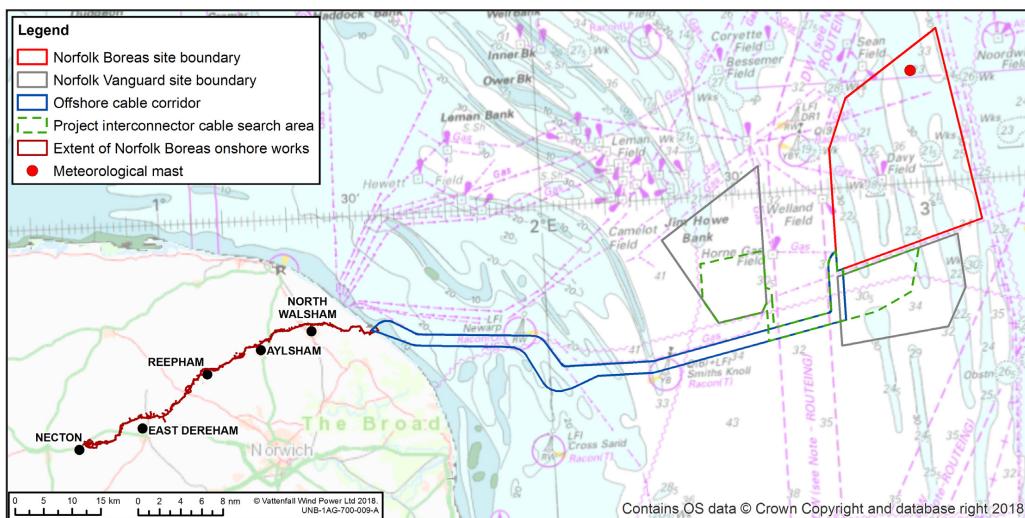
## Welcome

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

In this edition you will find information about the upcoming formal consultation on our proposals for the Norfolk Boreas Offshore Wind Farm, including where and how you can access information about the project. You'll also be able to see where we're holding our public consultation events during November.

On page 4 you can read about what we've been up to around Norfolk since the last edition of the newsletter, as well as a look ahead to community activities we have got coming up later in the year.

In July, our Development Consent Order application for the Norfolk Vanguard project was accepted for examination by the Planning Inspectorate. Page 4 has more information about the next steps and how you can get involved.



### In this newsletter:

- Norfolk Vanguard update
- Location details for information points and public consultation events
- Have your say on the Norfolk Boreas proposals
- How to keep informed about our two projects
- Vattenfall in the community

October 2018

## Appendix 3 - Section 48 notice

<p><b>VATTENFALL</b></p> <p><b>Section 48 Planning Act 2008</b></p> <p><b>NORFOLK BOREAS OFFSHORE WIND FARM</b></p> <p>Regulation 4 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended)</p> <p><b>Notice publicising a proposed application for a development consent order (DCO)</b></p> <p>Notice is hereby given that Norfolk Boreas Limited of First Floor, 1 Tudor Street, London, EC4Y 0AH (<b>the Applicant</b>) proposes to apply to the Secretary of State under section 37 of the Planning Act 2008 for the above-mentioned Development Consent Order (<b>the Application</b>).</p> <p>The Application relates to the construction and operation of an offshore wind farm located approximately 73km from the coast of Norfolk (at the closest point) (<b>the Project</b>). The Project, located in the southern North Sea, would cover an area of approximately 725ha. Offshore wind turbines planned for the Project would make landfall south of Happisburgh. From the landfall, cables would continue approximately 60km underground to an onshore project substation, and connect into the National Grid substation near Necton, Norfolk.</p> <p>The Project is the second offshore wind farm proposal being developed by Vattenfall in the part of the southern North Sea. So far the same proposed export capacity of up to 1,820MW (1,800MW) the Norfolk Vanguard Project (also classified as a Nationally Significant Infrastructure Project) submitted its DCO application to the Planning Inspectorate in June 2018 (<b>Norfolk Vanguard</b>). Vattenfall aims to optimise synergies in relation to the development, construction, operation and eventual decommissioning of the two projects, enabling overall impacts to be reduced. If both projects secure consent, the two projects will be realigned to share the same cable corridor. This will reduce costs and minimise the possibility that Norfolk Vanguard may not be built, and therefore both scenarios are proposed to be included in the Application. Further details on the two scenarios to be included in the Application are set out in Table 1 (see right).</p> <p>A further explanation of the relationship between the Project and Norfolk Vanguard is included within the Non-Technical Summary accompanying the Preliminary Environmental Information published in accordance with this consultation.</p> <p>The proposed DCO would, amongst other things, authorise offshore components including:</p> <ul style="list-style-type: none"> <li>1. Between 90-200 wind turbines with associated foundations, each having a rated capacity of between 9MW and 20MW with a maximum turbine hub height of 198.5m, a maximum rotor diameter of 303m and a maximum tip height of 350m, to give a combined export capacity of up to 1,800MW;</li> <li>2. Up to two offshore electrical platforms, displaying HVDC electrical current; and an offshore accommodation platform, both with associated foundations;</li> <li>3. Scour protection, as required, for foundations and cables;</li> <li>4. The construction of a network of subsea array cables connecting the wind turbines to each other and to the offshore electrical platforms; and interconnector cables connecting the offshore electrical platforms to each other, or project interconnector cables connecting an offshore electrical platform in Norfolk Boreas with an offshore electrical platform within Norfolk Vanguard;</li> <li>5. Up to two pairs of export cables, with a maximum length of 500km, from the offshore electrical platforms to the shore, and</li> <li>6. Up to two meteorological masts and their associated foundations, up to two LiDAR buoys, two wave buoys and a number of navigational buoys.</li> </ul> <p>The onshore project area would be the point at which the offshore cables come ashore (<b>the Landfall</b>) at Happisburgh South, Norfolk, to the existing Necton National Grid Substation. The cable route from landfall to the onshore project substation is approximately 60km. The key <b>landfall</b> and onshore components would, amongst other things, comprise the following:</p> <ul style="list-style-type: none"> <li>1. Up to two pairs of subsea export laid inducts installed under the cliff by long Horizontal Directional Drilling (HDD). An additional drill is included in the impact assessment worst case scenarios where applicable, to provide a contingency in the unlikely event of a HDD failure; and</li> <li>2. Up to two onshore transition pits to house the connection between the offshore cables and the onshore cables;</li> <li>3. Onshore connection works, subject to different scenarios dependent on whether Norfolk Vanguard proceeds, as described in Table 1:</li> </ul> <p><b>Table 1:</b> summary of the two scenarios described in the Preliminary Environmental Information Report (PEIR)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 50%;">Scenario 1</th> <th style="text-align: center; width: 50%;">Scenario 2</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">                     Norfolk Vanguard proceeds to construction and installs ducts and carries out other shared enabling works to benefit Norfolk Boreas                 </td> <td style="padding: 5px;">                     Norfolk Vanguard does not proceed to construction and Norfolk Boreas proceeds alone. Norfolk Boreas undertakes all works required as an independent project                 </td> </tr> <tr> <td style="padding: 5px;">                     i. 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11. The permanent and/or temporary compulsory acquisition (if required) of land and/or rights for the Project; 12. Overriding of easements and other rights over or affecting land for the Project; 13. The application and/or disapplication of legislation relevant to the Project including inter alia legislation relating to compulsory purchase; and 14. Such ancillary, incidental and consequential provisions, permits or consents as are necessary and/or convenient.	
<p>The Project is an Environmental Impact Assessment (EIA) development. Accordingly, the Applicant will be making a Preliminary Environmental Information Report (PEIR) available during the consultation period.</p> <p>Electronic copies of the PEIR, which comprises a detailed set of documents, including maps, figures, and photomontages describing the Project, as well as a set of plans showing the overall location of the Project and a much shorter non-technical summary (NTS), may be accessed and are available free of charge from Wednesday 31st October 2018 to Sunday 9th December 2018 at the listed locations (below):</p>	
<b>Deposit location</b>	<b>Opening times*</b>
<b>Aylsham Library</b> 7 Hungate Street, Aylsham, Norwich, NR11 8AA	Mon and Fri: 9:30am – 12:30pm; 1:30pm – 7:00pm; Tues and Thurs: 9:30am – 12:30pm; 1:30pm – 5:00pm; Wed: 1:30pm – 7:00pm; Sat: 9:30am – 4:00pm; Sun: 11:00am – 2:00pm
<b>Dereham Library**</b> 59 High Street, Dereham, NR19 1DZ	Mon, Wed and Thurs: 9:15am – 5:00pm; Tues and Fri: 9:15am – 7:00pm; Sat: 9:15am – 4:00pm
<b>Norwich Millennium Library</b> The Forum, Millennium Plaza, Norwich, NR2 1AW	Mon – Fri: 10:00am – 7:00pm; Sat: 9:00am – 5:00pm
<b>North Walsham Library**</b> New Road, North Walsham, NR28 9DE	Mon and Thurs: 9:30am – 7:00pm; Tues and Fri: 9:30am – 5:00pm; Wed and Sat: 9:30am – 1:00pm
<b>North Norfolk District Council</b> Council Offices, Holt Road, Cromer, NR27 1EN	Mon, Tues and Thurs: 8:30am – 5:00pm; Wed: 10:00am – 5:00pm; Fri: 8:30am – 4:30pm
<b>Broadland District Council</b> Thorpe Lodge, 1 Yarmouth Road, Norwich, NR7 0DU	Mon – Fri: 8:30am – 5:00pm
<b>Broadland District Council</b> Elizabeth House, Walpole Lane, Dereham, NR19 1EE	Mon – Fri: 8:30am – 5:00pm
<b>Norwich City Council</b> Town Hall, Hall Plaza, Great Yarmouth, NR30 2QF	Mon – Fri: 8:45am – 5:00pm
<b>Great Yarmouth Borough Council</b> Town Hall, Hall Plaza, Great Yarmouth, NR30 2QF	Mon – Fri: 9:00am – 5:00pm
<b>Swaffham Library</b> The Piggery, Swaffham, PE37 7DF	Tues and Thurs: 10:00am – 7:00pm; Fri: 11:00am – 7:00pm; Sat: 10:00am – 4:00pm

\*The opening times of the locations listed are at the discretion of those in control of the building and could vary to the times set out in this notice. The opening times and locations providing access to documents as part of this consultation are not in any way affiliated with the Project. The Applicant and Local Authorities are responsible for their own opening times to the application process.

\*\*Hard copies of the full PER are available to view only at Dereham and North Walsham Libraries.

The documents relating to the proposed Project will be available to view at the above locations free of charge from the beginning to the end of the consultation period, which runs from **Wednesday 7th November 2018 until Sunday 9th December 2018 at 11:59pm**.

The preliminary environmental information will also be on display and members of the Project team will be available to answer queries at public information events being held by the Applicant at the following locations and times:

Location	Address	Date / Time
<b>Happisburgh</b>	The Wenn Evans Centre, Blacksmiths Ln, Happisburgh, Norwich, NR12 0QY	Wednesday 14 November 1pm – 7pm
<b>Aylsham</b>	Aylsham Town Hall, Aylsham, NR11 6EL	Thursday 15 November 1pm – 7pm
<b>Necton</b>	Necton Rural Community Centre, 13 Tun's Road, Necton, Suffolk, PE37 8EH	Friday 16 November 1pm – 7pm
<b>Norwich</b>	The Forum, Bethel St, Millennium Plaza, Norwich, NR2 1BH	Wednesday 21 November 11am – 6:30pm
<b>Dereham</b>	Dereham Sixth Form College, Crown Rd, East Dereham, NR20 4AG	Thursday 22 November 1pm – 7pm
<b>North Walsham</b>	North Walsham Community Centre, New Road, North Walsham, Norfolk, NR28 9DE	Friday 23 November 1pm – 7pm
<b>Reepham</b>	St Michael's Church, Reepham, Norfolk, NR10 4LL	Saturday 24 November 10am – 3pm

Paper copies of the PER and NTS can be provided on request from [www.vattenfall.co.uk/norfboreas](http://www.vattenfall.co.uk/norfboreas) or from the Applicant at the address provided below at a cost of:

- Non-Technical Summary of Preliminary Environmental Information – £22
- Full Preliminary Environmental Information Report with annexes – £2,600
- A set of (A4) Indicative Cable Corridor Plans/Maps – £15

USB device copies can be provided free of charge and are available on request.

Any responses to or other representations in respect of the Project can be made in writing:

1. Addressed to: **FREEPOST NORFOLK BOREAS**
2. By email to: [info@norfboreas.co.uk](mailto:info@norfboreas.co.uk)
3. Through completion of a consultation questionnaire available at the public events noted above and drop in locations (also noted above). Digital versions of the questionnaire can be accessed via the Project website [www.vattenfall.co.uk/norfboreas](http://www.vattenfall.co.uk/norfboreas)

If you have queries about the consultation process, please call 0800 019 3517.

The Applicant is consulting on the proposed Project. Any response or representation in respect of the proposed Project must be received by the date indicated in Part 1 of the application (11:59pm on 23rd November 2018) in order for the response or representation (iii) indicate who is making the response and representation and (iv) include an address to which correspondence relating to the response or representations may be sent.

Your comments will be analysed by the Applicant and any appointed agent of the Applicant. Personal details will be held securely by the Applicant and any appointed agent of the Applicant in accordance with the relevant data protection legislation but please be aware that responses will be used in connection with the Application and may be made public.

## Appendix 4 - Facebook adverts

 Vattenfall UK  
Sponsored

Formal consultation for Norfolk Boreas Offshore Wind Farm begins today (7th Nov) and ends at 23:59 on 9th Dec 2018. For more information on the proposals, consultation process, PEIR and giving your feedback please visit the project website:  
[www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)

PEIR document page:  
<http://bit.ly/NBPEIR>



**Vattenfall UK**  
Energy company

[Learn More](#)

 Vattenfall UK  
Sponsored

Find out more about proposals for Norfolk Boreas Offshore Wind Farm at any of our seven public drop-in events running from 14th to 24th November. Dates, times and venues shown in event plan below. Formal consultation is underway and ends on 9th December 2018. For more info please visit the project website: [www.vattenfall.co.uk/norfolkboareas](http://www.vattenfall.co.uk/norfolkboareas)

Venue details	Date/Time
Hippisburgh The Wenn Evans Centre, Blacksmiths Lane, Hippisburgh, Norwich NR22 0QY	Wednesday 14th November 1pm - 7pm
Aylsham Aylsham Town Hall, Town Hall, Market Place, Aylsham, Norwich NR11 6EL	Thursday 15th November 1pm - 7pm
Necton Necton Rural Community Centre, 13 Tun's Road, Necton, Swaffham, PE37 8EH	Friday 16th November 1pm - 7pm
Norwich The Forum, Bethel St, Millennium Plain, Norwich NR2 1BH	Wednesday 21st November 1lam - 6.30pm
Dereham Dereham Sixth Form College, Crown Road, East Dereham NR20 4AG	Thursday 22nd November 1pm - 7pm
North Walsham North Walsham Community Centre, New Road, North Walsham, Norfolk, NR28 9DE	Friday 23rd November 1pm - 7pm
Reepham St Michael's Church, Reepham, Norfolk, NR9 0 4JL	Saturday 24th November 10am - 3pm

 Vattenfall UK  
Sponsored

Please note that formal consultation for Norfolk Boreas Offshore Wind Farm will close at 23:59 on Sunday 9th December.

- > An online feedback survey can be found here: [bit.ly/NBTFeedback](http://bit.ly/NBTFeedback)
- > For more info on consultation and other methods of providing feedback please visit: [bit.ly/2PxF9Gb](http://bit.ly/2PxF9Gb)



**Norfolk Boreas  
Offshore Wind Farm  
Consultation**  
**Ends 23:59 on 9th Dec 2018**

**Vattenfall UK**  
Energy company

[Learn More](#)



## Appendix 5 – Twitter activity

**Vattenfall UK** @Vatte... · 31/10/2018 · 31/10/2018

The press release about the  
#NorfolkBoreas #offshorewind  
Preliminary Environmental Information  
Report statutory consultation can now be  
viewed

Community feedback  
sought on major offshor...  
[group.vattenfall.com](http://group.vattenfall.com)

**Vattenfall UK** @Vatte... · 31/10/2018 · 31/10/2018

Info about the statutory consultation on  
#NorfolkBoreas #offshorewind  
Preliminary Environmental Information  
Report has been posted online. The  
consultation starts on 7 Nov and runs to  
9 Dec. See all the background and how to  
get involved here>>> [bit.ly/2Px9Gb](http://bit.ly/2Px9Gb)



**Vattenfall UK** @Vatte... · 07/11/2018 · 07/11/2018

Formal consultation period for  
#NorfolkBoreas Offshore Wind Farm  
begins today (7th Nov) & ends at 23:59  
on 9th Dec 2018. For more information  
on the proposals, consultation process,  
PEIR and giving feedback please visit the  
project website: [#vattenfall.co.uk/norfolkboareas](http://vattenfall.co.uk/norfolkboareas). #offshorewind



**Vattenfall UK** @Vatte... · 07/11/2018 · 07/11/2018

Electronic copies of the #NorfolkBoreas  
PEIR, (a detailed set of documents  
including maps, figures, and  
photomontages) are available to view  
free of charge until Sunday 9th  
December 2018 at the locations listed  
below.

Organisation	Address	Opening Times
Aylsham Library	7 Hungate St, Aylsham, Norfolk, NR9 5AA	Monday and Fri 10:00am - 5pm Tuesday, Wednesday and Thurs 10:00am - 7:00pm Saturday 10:00am - 1:00pm Bank Holidays 10:00am - 2:00pm
Devonport Library*	58 High St, Devonport, NR9 0EE	Monday and Tues 10:00am - 5pm Wednesday 10:00am - 5pm Thursday 10:00am - 5pm Friday 10:00am - 5pm Saturday 10:00am - 1:00pm
Norwich Millennium Library	The Forum, Millennium Point, Norwich, NR3 1AW	Monday and Fri 10:00am - 5pm Tuesday, Wednesday and Thurs 10:00am - 7:00pm Saturday 10:00am - 1:00pm Bank Holidays 10:00am - 2:00pm
North Walsham Library*	New Rd, North Walsham, NR10 0GE	Monday and Tues 10:00am - 5pm Wednesday 10:00am - 5pm Thursday 10:00am - 5pm Friday 10:00am - 5pm Saturday 10:00am - 1:00pm
North Norfolk District Council	Council Offices, Holt Road, Cromer, NR9 1BN	Monday and Tues 9:00am - 4:30pm Wednesday 9:00am - 4:30pm Thursday 9:00am - 4:30pm Friday 9:00am - 4:30pm Saturday 9:00am - 1:00pm
Broadland District Council	Thornage Lodge, Yarmouth Road, Norwich, NR7 0DU	Monday and Tues 9:00am - 4:30pm Wednesday 9:00am - 4:30pm Thursday 9:00am - 4:30pm Friday 9:00am - 4:30pm Saturday 9:00am - 1:00pm
North Norfolk District Council	Eastgate, Broadland Business Park, Norwich, NR10 9QE	Monday and Tues 9:00am - 4:30pm Wednesday 9:00am - 4:30pm Thursday 9:00am - 4:30pm Friday 9:00am - 4:30pm Saturday 9:00am - 1:00pm
North Norfolk District Council	St Peters Street, Norwich, NR2 1WT	Monday and Tues 9:00am - 4:30pm Wednesday 9:00am - 4:30pm Thursday 9:00am - 4:30pm Friday 9:00am - 4:30pm Saturday 9:00am - 1:00pm
Great Yarmouth Borough Council	Tower Hill Hall, Hall Place, Great Yarmouth, NR30 2QF	Monday and Tues 9:00am - 4:30pm Wednesday 9:00am - 4:30pm Thursday 9:00am - 4:30pm Friday 9:00am - 4:30pm Saturday 9:00am - 1:00pm
Southwold Library	The Square, Southwold, PE30 7DF	Monday and Tues 10:00am - 5pm Wednesday 10:00am - 5pm Thursday 10:00am - 5pm Friday 10:00am - 5pm Saturday 10:00am - 1:00pm

**Vattenfall UK** @Vatte... · 07/11/2018 · 07/11/2018

As part of the #NorfolkBoreas formal  
consultation we will be holding 7 public  
drop-in events in Norwich and at various  
locations along the proposed cable route  
from 14th to 24th November 2018.  
Details of these can be found below. All  
other info here: [#vattenfall.co.uk/norfolkboareas](http://vattenfall.co.uk/norfolkboareas).

Hippisburgh, Norfolk NR12 0GY	Thursday 15th November 1pm - 7pm
Aylsham Aylsham Town Hall, Town Hall, Market Place, Aylsham, Norfolk NR11 6EL	Friday 16th November 1pm - 7pm
Necton Necton Rural Community Centre, 13 Turf's Road, Necton, Swaffham, PE37 8EH	Saturday 17th November 1pm - 7pm
Norwich The Forum, Bethel St, Millennium Plain, Norwich NR2 1HJ	Wednesday 21st November 1pm - 6:30pm
Dereham Dereham Town Hall, Crown Road, East Dereham NR20 4AG	Thursday 22nd November 1pm - 7pm
North Walsham North Walsham Community Centre, New Road, North Walsham, Norfolk, NR20 9DE	Friday 23rd November 1pm - 7pm
Reepham	Saturday 24th November

**Vattenfall UK** @Vatte... · 14/11/2018 · 14/11/2018

Formal consultation for #NorfolkBoreas  
is underway and our team will be holding  
a series of public drop-in events, starting  
today. For more information, please see  
the project website: [bit.ly/2Px9Gb](http://bit.ly/2Px9Gb)  
#offshorewind

Hippisburgh The Wren Events Centre, Blacksmiths Lane, Hippisburgh, Norfolk NR12 0GY	Wednesday 14th November 1pm - 7pm
Aylsham Aylsham Town Hall, Town Hall, Market Place, Aylsham, Norfolk NR11 6EL	Thursday 15th November 1pm - 7pm
Necton Necton Rural Community Centre, 13 Turf's Road, Necton, Swaffham, PE37 8EH	Friday 16th November 1pm - 7pm
Norwich The Forum, Bethel St, Millennium Plain, Norwich NR2 1HJ	Wednesday 21st November 1pm - 6:30pm
Dereham Dereham Town Hall, Crown Road, East Dereham NR20 4AG	Thursday 22nd November 1pm - 7pm
North Walsham North Walsham Community Centre, New Road, North Walsham, Norfolk, NR20 9DE	Friday 23rd November 1pm - 7pm

**Vattenfall UK** @Vatte... · 20/11/2018 · 20/11/2018

Formal consultation for #NorfolkBoreas  
is underway and our team will be visiting  
the local area from Wednesday for the  
second week of public drop-in events.  
For more info please see the project  
website: [bit.ly/2Px9Gb](http://bit.ly/2Px9Gb) #OWW2018

Hippisburgh The Wren Events Centre, Blacksmiths Lane, Hippisburgh, Norfolk NR12 0GY	Wednesday 14th November 1pm - 7pm
Aylsham Aylsham Town Hall, Town Hall, Market Place, Aylsham, Norfolk NR11 6EL	Thursday 15th November 1pm - 7pm
Necton Necton Rural Community Centre, 13 Turf's Road, Necton, Swaffham, PE37 8EH	Friday 16th November 1pm - 7pm
Norwich The Forum, Bethel St, Millennium Plain, Norwich NR2 1HJ	Wednesday 21st November 1pm - 6:30pm
Dereham Dereham Town Hall, Crown Road, East Dereham NR20 4AG	Thursday 22nd November 1pm - 7pm
North Walsham North Walsham Community Centre, New Road, North Walsham, Norfolk, NR20 9DE	Friday 23rd November 1pm - 7pm

**Vattenfall UK** @Vatte... · 26/11/2018 · 26/11/2018

Formal consultation for #NorfolkBoreas  
Offshore Wind Farm will close on 9th  
December.  
> An online feedback survey can be  
found here: [bit.ly/NBTFeedback](http://bit.ly/NBTFeedback).  
> For more info on consultation and other  
methods of providing feedback please  
visit: [bit.ly/2Px9Gb](http://bit.ly/2Px9Gb).



**Vattenfall UK** @Vatte... · 09/12/2018 · 09/12/2018

Formal consultation for #NorfolkBoreas  
Offshore Wind Farm will close tonight,  
Sun 9th Dec at 23:59.  
> An online feedback survey can be found  
here: [bit.ly/NBTFeedback](http://bit.ly/NBTFeedback)  
> For more info on consultation and other  
methods of providing feedback please  
visit:



## Appendix 6 - Press release



The screenshot shows a news article from the Vattenfall website. The header includes the Vattenfall logo and navigation links for About us, Sustainability, Newsroom (which is underlined), Careers, About energy, a search bar, and links for News and press releases, Social media, Mediabank, and Contact us. The main image is a photograph of several offshore wind turbines at sea. The headline reads "Community feedback sought on major offshore wind farm". Below the headline is a sub-headline: "Vattenfall kicks-off statutory consultation on Norfolk Boreas". The text of the article discusses the start of a community consultation for the Norfolk Boreas offshore wind farm, which will begin next week. It mentions that the Swedish energy group is seeking feedback from local people during November and early December on preliminary environmental information gathered by independent specialists. The article quotes Graham Davey, Project manager for the proposed Norfolk Boreas offshore wind farm, who says the feedback received over two years has helped minimize impact and identify benefits. It also quotes Mr. Davey's statement about refining the proposal before summer 2019. The text further details the project's potential to deliver 25% of the East of England's electricity demand, help fight climate change, and secure hundreds of jobs. It concludes with information about public information days starting in November.

### Vattenfall kicks-off statutory consultation on Norfolk Boreas

An extensive community consultation about one of Norfolk's largest offshore wind farms is to start next week, the developer Vattenfall said today.

The Swedish energy group is seeking feedback from local people during November and early December on preliminary environmental information that has been gathered and assessed by independent specialists for the 1.8GW Norfolk Boreas offshore wind farm. The specialists' assessment, combined with local feedback received before and during the community consultation, will allow a final proposal and any plans for mitigation to be submitted into planning in summer 2019.

Local people can view the preliminary environmental information at various locations around the County and at seven public information days. Feedback can be provided to Vattenfall by completing a paper questionnaire or online.

Graham Davey, Vattenfall's Project manager for the proposed Norfolk Boreas offshore wind farm said: "The feedback we have received over the past two years about Norfolk Boreas and Norfolk Vanguard has given us a good idea of local issues and opportunities. That feedback has helped us minimise impact and identify benefits which will maximise local value. The environmental information we are consulting on builds on that picture."

"But with this community consultation we want to take this opportunity to further refine the Norfolk Boreas proposal before submitting to decision makers next summer. So, please complete a questionnaire and come and talk to us about our plans for Norfolk Boreas at one of our public information days."

Mr. Davey added: "Norfolk Boreas is an important offshore wind farm capable of delivering 25% of the East of England's electricity demand. Not only will Norfolk Boreas help fight climate change by generating low cost, fossil free electricity it will also secure hundreds of jobs in the region."

The information gathered during the statutory consultation will help Vattenfall complete the project's final design and any necessary mitigation ahead of a formal application in summer 2019 for a development consent order from the Secretary of State for Energy in 2020.

The public information days start on 14 November at Happisburgh with the final information day to be held in Reepham on 24 November. Further details can be found on the Vattenfall website.

Vattenfall is proposing to deploy a minimum of 90 turbines potentially up to 350 metres high (above sea level) with a potential capacity of 20MW with a maximum capacity of 1.8GW. The Norfolk Boreas development area is 73km off the Norfolk coast.

It is proposed that the power will come ashore at Happisburgh and be exported to the National Grid substation near Necton via a 60km underground transmission cable, alongside its sister project, Norfolk Vanguard.

### **Additional question themes**

#### **Q9. We welcome any further feedback on the Norfolk Boreas Offshore Wind Farm proposal you wish to provide at this stage.**

Given the nature of this question there were a number of issues highlighted and comments made by respondents to this question. These additional issues, comments and requests are laid out below:

Comment that it would have been appreciated to know about plans on their land before reading it in the consultation materials

Concern regarding the impact construction activity could have on the cliffs

Comment asking why landowners are responsible for helping screen the visual impacts of the substation

Concern regarding the security of the onshore infrastructure and chances of a fire

A request that more information is released about boreholes in Doggerland

Create video/drone footage of progress to show back to the community

Hope the project will benefit Great Yarmouth in some way

Make use of North Denes Airfield as a support hub for helicopter operations

Concern regarding suitability of roads to accommodate HGV traffic

A comment for the community to support the project

Vattenfall and other wind farm developers should work with UK Power Networks to develop another way to connect to the existing network without destroying the countryside

Requests from community groups to engage and collaborate with them, to help educate young children

VATTENFALL

