

# Norfolk Vanguard Offshore Wind Farm

# Consultation Report

## Appendix 21.1 Section 48 Notice

Applicant: Norfolk Vanguard Limited  
Document Reference: 5.1  
Pursuant to APFP Regulation: 5(2)(q)

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Author: BECG

*Photo: Kentish Flats Offshore Wind Farm*



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## Section 48 Planning Act 2008

### Regulation 4 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended) Development Consent Order for Norfolk Vanguard Offshore Wind Farm

#### Notice Publicising a Proposed Application for a Development Consent Order (DCO)

Notice is hereby given that Norfolk Vanguard Ltd. (the "Applicant") of First Floor, 1 Tudor Street, London, EC4Y 0AH proposes to apply to the Secretary of State under section 37 of The Planning Act 2008 for the above-mentioned development consent order (the "Application"). The Application relates to the construction and operation of an offshore wind generating station within the East Anglia Zone of the North Sea (the "Project"), which is 47km from the coast of Norfolk at its closest point to land and would cover a total area of up to 592km<sup>2</sup>.

The proposed DCO would, amongst other things, authorise offshore components including:

- Between 90-257 wind turbine generators ("WTGs"), each with a capacity of between 7-20MW, a maximum turbine hub height of 198.5m, a maximum rotor diameter of 303m and a maximum tip height of 350;
- Offshore Substation Platforms ("OSPs") – up to three OSFs, which may employ either high voltage alternating current ("HVAC") or high voltage direct current ("HVDC") technology (see below);
- Offshore Accommodation Platforms ("OAPs") or Offshore Accommodation Vessels ("OAVs");
- Foundations for the WTGs and OSFs – either, or a combination of, monopile, jackets on pin piles, jackets on suction caissons, gravity base structure or floating foundations;
- Up to 514km array 66kV cables;
- Up to 640 km offshore export cables from the OSFs to the shore;
- Scour protection, as required for foundations and cables; and
- Up to two meteorological masts, a number of guard buoys and monitoring equipment.

Two different electrical connection options are proposed; HVAC or HVDC. The decision as to which option would be used for the Project would be agreed following grant of a DCO and would depend on availability, technical considerations and cost.

The onshore project area would be from the point at which the offshore cables come ashore ("the landfall") at Happisburgh South, Norfolk, to the existing Necton 400kV National Grid Substation. The cable corridor length from landfall to the substation is approximately 60 km.

The key onshore components would, amongst other things, comprise the following:

- Landfall site to bring ashore the offshore cables and connect to the onshore cables requiring up to six transition pits;
- If HVAC – Up to 18 no. onshore underground cables within separate ducts in six separate trenches (i.e. three cables per trench) and up to six fibre optic cables (i.e. 1 per trench);
- If HVDC – up to four onshore cables each in separate ducts in two trenches (i.e. two cables per trench) and up to two fibre optic cables (i.e. 1 per trench);
- Onshore cable corridor, within which onshore export cables, including for the Norfolk Boreas Offshore Wind Farm Project, will be laid within cable ducts;
- Link boxes and jointing pits at intervals along the cable route;
- Trenchless crossings (for example horizontal directional drilling, cable bridges or other trenchless methods) at some roads, railways and sensitive habitats;
- Cable relay station (only required under the HVAC electrical solution);
- Onshore project substation in proximity to the grid connection location at the existing Necton 400kV National Grid Substation;
- Modification of the existing overhead line network in the vicinity of the Necton 400kV National Grid substation;
- Extension to Necton 400kV National Grid Substation;
- Up to 12 no. 400kV underground interface cables between the new onshore substation and the existing 400kV National Grid Substation near Necton;
- Temporary construction areas and access roads;

- Planting to provide screening for permanent infrastructure;
  - The permanent and/or temporary compulsory acquisition (if required) of land and/or rights for the proposed Project;
  - Overriding of easements and other rights over or affecting land for the proposed Project;
  - The application and/or disapplication of legislation relevant to the proposed Project including inter alia legislation relating to compulsory purchase; and
  - Such ancillary, incidental and consequential provisions, permits or consents as are necessary and/or convenient.
- 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.

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) and consultation document, may be accessed and are available to view free of charge for inspection from 30th October 2017 to Monday 11th December 2017 at the listed locations (below):

Venue Address	Opening Times
Aylsham Library 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
Dereham Library* 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
Norwich Millennium Library The Forum, Millennium Plain, Norwich, NR2 1AW	Mon-Fri: 10:00am-7:00pm Sat: 9:00am-5:00pm
North Walsham Library* 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
North Norfolk District Council 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
Broadland District Council Thorpe Lodge, 1 Yarmouth Road, Norwich, NR7 0DU	Mon-Fri: 8:30am-5:00pm
Breckland District Council Elizabeth House, Walpole Loke, Dereham, NR19 1EE	Mon-Fri: 9:00am-5:00pm
Norwich City Council St Peters Street, Norwich, NR2 1NH	Mon-Fri: 8:45am-5:00pm
Great Yarmouth Borough Council Town Hall, Hall Plain, Great Yarmouth, NR30 2QF	Mon-Fri: 9:00am-5:00pm

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

The opening times of these organisations are dependent and are governed by them and may be subject to change. Consultation packs comprising the NTS and consultation booklet, consultation questionnaires and freepost

envelope, will also be available at all information points. The Applicant will also hold the following public information days, where the documentation described above will be available for inspection:

Location	Address	Date / time
Dereham	Dereham Sixth Form College, Crown Rd, East Dereham NR20 4AG	7 <sup>th</sup> November 1pm to 7pm
Reepham	The Bircham Centre, Market Place, Reepham, NR10 4JJ	8 <sup>th</sup> November 1pm to 7pm
Aylsham	Aylsham Town Hall, Town Hall, Market Place, Aylsham, Norwich NR11 6EL	9 <sup>th</sup> November 1pm to 7pm
Necton	Necton Rural Community Centre, 13 Tun's Road, Necton, Swaffham, PE37 8EH	10 <sup>th</sup> November 1pm to 7pm
Happisburgh	The Wenn Evans Centre, Blacksmiths Ln, Happisburgh, Norwich NR12 0QY	11 <sup>th</sup> November 11am to 5.30pm
Norwich	University Technical College Norfolk, Oldhall Rd, Norwich NR4 6ES	14 <sup>th</sup> November 2pm to 7pm
Great Yarmouth	East Coast College, Gt. Yarmouth Campus, Suffolk Road, Gt. Yarmouth, NR31 0ED	15 <sup>th</sup> November 1pm to 7pm
North Walsham	North Walsham Community Centre, New Road, North Walsham, Norfolk, NR28 9DE	16 <sup>th</sup> November 1pm to 7pm

Electronic copies of the PEIR and NTS can also be viewed or downloaded from the Project website [www.vattenfall.co.uk/norfolkvanguard](http://www.vattenfall.co.uk/norfolkvanguard). Where a copy of the documents is requested from the Applicant, this can be provided free of charge on a USB device. The documents can be made available in hard copy format on request at a cost of:

- Non-Technical Summary of Preliminary Environmental Information – £22
- Full Preliminary Environmental Information Report with annexes – £1038
- A set of 18 no. (A4) Indicative Cable Corridor Plans - £15

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

- Addressed to: Norfolk Vanguard, The Union Building, 51-59 Rose Lane, Norwich, NR1 1BY
- By email to: [info@norfolkvanguard.co.uk](mailto:info@norfolkvanguard.co.uk)
- Through completion of a consultation questionnaire available at public events noted above, drop in locations (also noted above), and on the Project website [www.vattenfall.co.uk/norfolkvanguard](http://www.vattenfall.co.uk/norfolkvanguard)

If you have queries about the consultation process, please call 01603 567995 for clarification.

The Applicant is consulting on the proposed Project. Any response or representation in respect of the proposed DCO MUST (i) be received by the Applicant before 11.59 pm on 11th December 2017 (ii) state in writing the grounds of 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. Responses may be made public, although personal information will be removed. Personal details will be held securely by the Applicant and any appointed agent of the Applicant in accordance with the Data protection Act 1998 and will be used solely in connection with the consultation process and all applicable and relevant DCO application(s).

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