

Ørsted Hornsea Project Four Offshore Wind Farm

Autumn
2018



Introducing our proposals and consultation programme

Introduction

This document introduces Ørsted's proposals for our Hornsea Project Four Offshore Wind Farm ('Hornsea Project Four').

It provides initial information on the project at this early stage. It also describes our plans for public engagement, including your opportunities to get involved and have your say as part of the pre-application consultation.



Our footprint in the UK

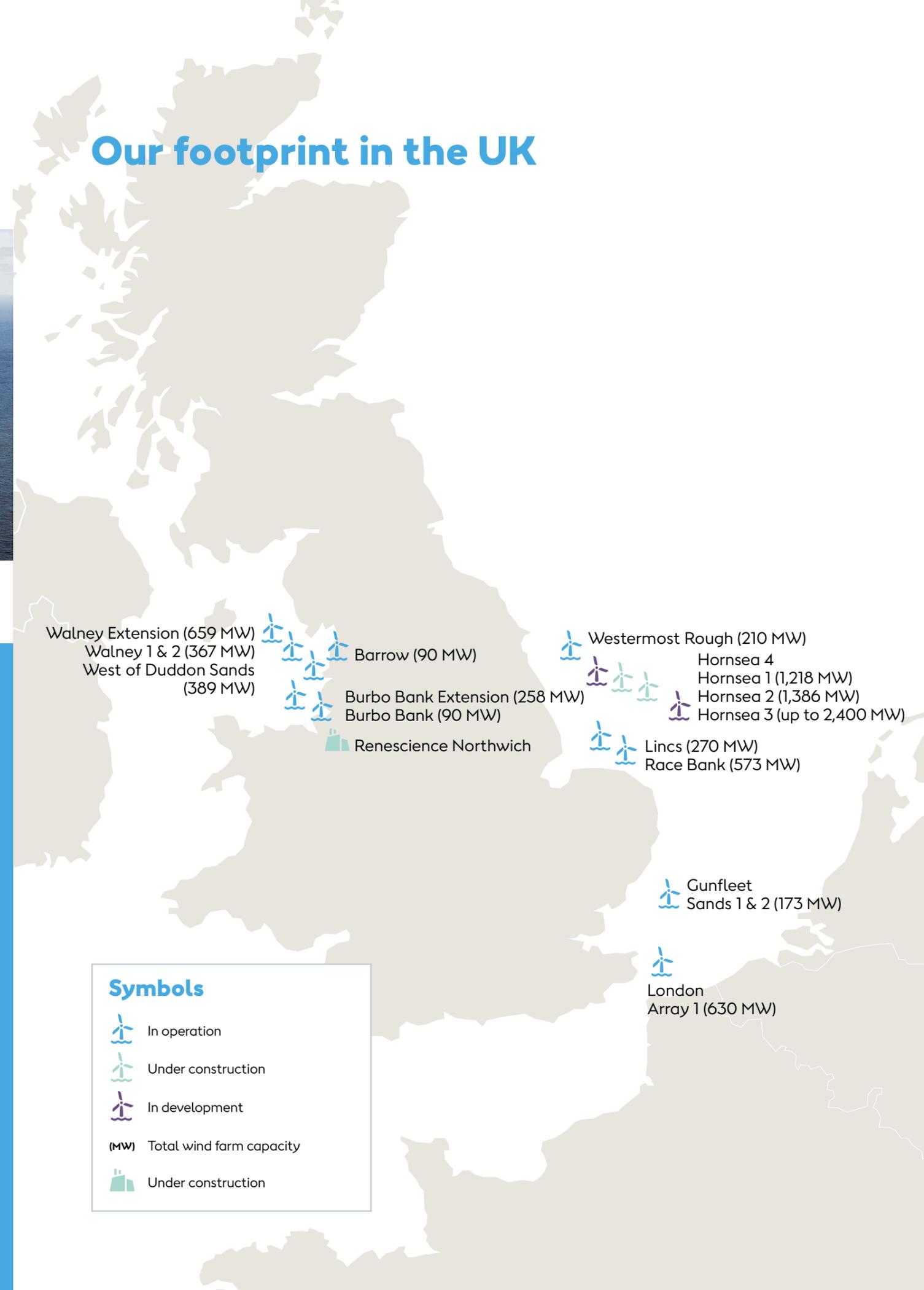
Who we are

Ørsted is a renewable energy company taking tangible action to create a world that runs entirely on green energy. We have invested significantly in the UK, where we develop, construct and operate offshore wind farms and innovative waste-to-energy technology.

Since 2006, we have cut our use of coal by 73% and more than halved our CO₂ emissions. By 2023, we will be completely coal-free and will have reduced our CO₂ emissions by 96% against a 2006 baseline. Our transformation and our recent divestment of the upstream oil and gas business means that we have become too green for our previous name, DONG Energy. DONG, originally short for Danish Oil and Natural Gas, is no longer an accurate description of who we are, or who we want to be.

The UK is our largest market and we currently have 11 operational offshore wind farms here. We have three operational offshore wind farms off the UK's east coast which are Westermost Rough, Lincs and Race Bank Offshore Wind Farms. Worldwide, we have built enough offshore wind to power 9.5 million people and we plan to triple this number by 2025.

Our Hornsea Project One and Two Offshore Wind Farms are currently under construction and are situated in the southern North Sea. We have also recently submitted an application for a Development Consent Order (DCO) to develop Hornsea Project Three Offshore Wind Farm.



Hornsea Project Four

Hornsea Project Four is an offshore wind farm which Ørsted is proposing to develop in the North Sea off the Yorkshire Coast. The project would be located approximately 90 km offshore and is associated with the awarded offshore Agreement for Lease (AfL) of up to 860 km². If built, Hornsea Project Four will comprise up to 180 wind turbines and provide clean, renewable energy to power UK homes.

Electricity generated by Hornsea Project Four will be brought ashore via underground subsea cables which will be buried onshore at a point known as 'landfall' before connecting into an onshore substation and the national grid. We are currently in discussions with National Grid over a proposed grid connection at Creyke Beck.

We are currently assessing potential high-level cable route options and various landfall areas along the East Riding of Yorkshire coastline.



- Hornsea Project Four Offshore Wind Farm
- Existing Ørsted Offshore Wind Farm projects
- Hornsea Project Four Onshore and Offshore Search Area

Our vision for the project

The Climate Change Act 2008 legally committed the UK to reduce its greenhouse gas emissions by at least 80% by 2050, compared to the 1990 level.¹ Over the next couple of decades, many of the UK's existing generating plants are set to close and the UK urgently needs to replace large volumes of its existing electricity infrastructure with low carbon generation.

The cost of offshore wind has dropped significantly over recent years and our ambition is to deliver more affordable and clean electricity to UK households whilst providing local opportunities and benefits. The UK is moving from being powered by polluting fossil fuels to clean energy, and offshore wind has the potential to become the backbone of our future energy system.

Why offshore wind?



We've already invested over £8 billion building offshore wind farms in the UK. We'll be investing at least another £4 billion by the end of 2020.



We are investing in people, growing our business with almost 900 direct employees in the UK.

Over the last 10 years, Ørsted has built up close relationships with a wide variety of suppliers from across the UK who have helped us to deliver our projects whilst also delivering economic value, through job creation and local investment. We look forward to continuing these collaborative partnerships for Hornsea Project Four with the relevant Local Enterprise Partnerships (LEPs) and business groups to understand what can be supplied locally. Typically, we also hold supply chain events nearer to the construction phase with principal contractors, and will advertise these events locally.



¹ Climate Change Act 2008. Available online: http://www.legislation.gov.uk/ukpga/2008/27/pdfs/ukpga_20080027_en.pdf

Components of a typical offshore wind farm

Below is a graphic which shows the typical components of an offshore wind farm. When developing the plans for Hornsea Project Four we will be looking into the different options associated with each of these components.



- | | |
|--|---------------------------------------|
| 1. Offshore wind turbines and inter array cables | 6. Ørsted onshore substation |
| 2. Offshore export cable | 7. Existing National Grid substation |
| 3. Offshore substation | 8. Existing National Grid power lines |
| 4. Offshore HVAC booster station | 9. Homes |
| 5. Onshore export cable and landfall | |

The development and application process

Hornsea Project Four is classified as a Nationally Significant Infrastructure Project (NSIP) as it has a proposed generating capacity of over 100 megawatts (MW). We must therefore apply for a Development Consent Order (DCO) through the Planning Inspectorate (PINS). The application will be determined by the Secretary of State (SoS) for Business, Energy and Industrial Strategy (BEIS).

A DCO application is planned to be submitted in early 2020. Prior to this we will be commencing a series of public and statutory consultations on our plans for the scheme. To find out more about our consultation activities please go to the next section of this document.

Once PINS have received the DCO application they will consider whether to accept the application for Examination. To be accepted, we must satisfy PINS that our pre-application consultation, both with statutory consultees (such as the Local Planning Authorities and Natural England) and local communities, has been undertaken.

To help demonstrate this to PINS, we will submit a Consultation Report alongside the DCO application, outlining how the consultation process has been carried out in accordance with the Planning Act 2008. This report will contain details of the consultation methodology and the feedback submitted in response to the consultation. Explanations will also be provided as to how feedback has influenced our proposals.

If the application is accepted, it will enter a six-month Examination period. During the Examination, either a single inspector, or a panel of inspectors appointed by PINS, will evaluate the application and ask questions of us as the developer and of statutory consultees. The inspector(s) will also consider the representations of all stakeholders who have made valid representations.

Following PINS' examination, there will be a determination of the application by the SoS. If the application is approved, the DCO will be granted and Ørsted will be given authorisation to begin construction of Hornsea Project Four.



Public consultation

Our proposals for Hornsea Project Four are at a very early stage in the development process, and there is still a great deal of consultation and consent assessment work ahead. We want our proposals to develop in response to consultation.

We are committed to delivering a comprehensive consultation programme before we submit our DCO application. We value local knowledge and we are confident that this consultation process will result in a strong set of proposals that respects the local community.



Face-to-face

We are planning to hold a number of local information events during our pre-application consultation period at locations across our core consultation zone in East Riding of Yorkshire. These events will give people an opportunity to view our plans and discuss them with members of the team. Our first local information events will be held in October 2018 and our second will take place in Summer/Autumn 2019.

Local information events

Monday 22 October from 2pm to 8pm, at Foston on the Wolds Village Hall, Main Street, Foston on the Wolds, YO25 8BJ

Thursday 25 October from 2pm to 8pm, at Barmston and Fraisthorpe Village Hall, Sands Lane, Barmston, YO25 8PG

Friday 26 October from 2pm to 8pm, at Leconfield Village Hall, Miles Lane, Leconfield, HU17 7NW

Saturday 27 October from 10:30am to 4pm, at Woodmansey Village Hall, Long Lane, Beverley, HU17 ORN

Literature

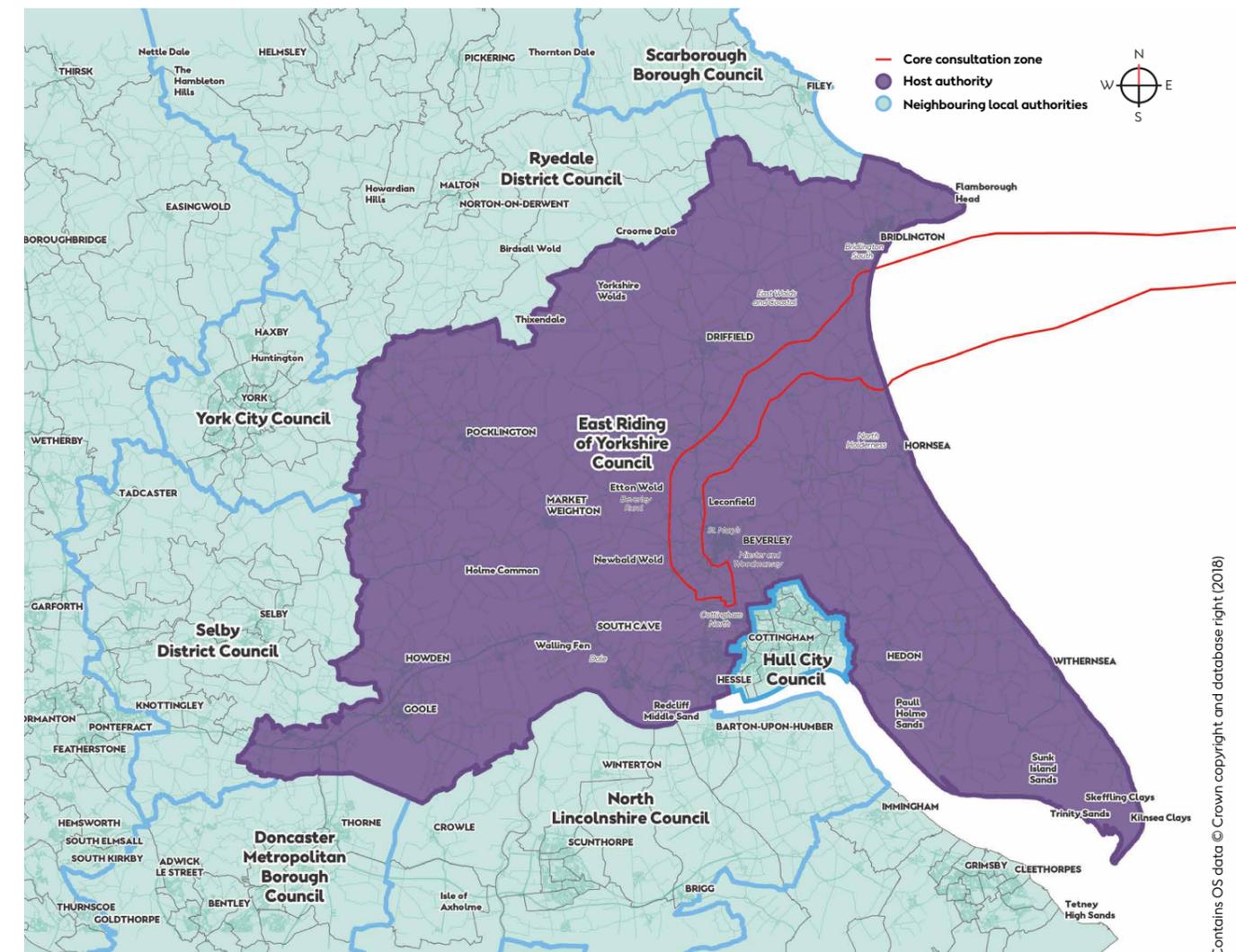
Stakeholder briefing packs will be provided to elected members at the start of the consultation to introduce the scheme and inform them of how their constituents will be engaged with during the process.

Newsletters will be available online and will be distributed bi-annually within the core consultation zone to update residents on the plans and proposals. These will also be available at Community Access Points across our Consultation Area and online.

Consultation leaflets will be available to all properties within the core consultation zone (as shown in the map below) and will be available at key locations in the wider Consultation Area. Leaflets will provide information on the proposals and details of how the local community can have their say.

Consultation Area

Below is a map which outlines our Consultation Area as well as the Onshore and Offshore Search Area for Hornsea Project Four, marked as the core consultation zone. This is the area within which all of the proposed onshore and offshore electrical infrastructure would be located.



The core consultation zone boundary, consisting of an Onshore and Offshore Search Area, will be refined as the project design develops. All of the project's proposed onshore and offshore electrical infrastructure would be delivered within these search areas.

Environmental Impact Assessment

In parallel to the public consultation we will be undertaking extensive environmental surveys and studies. As part of this we will be consulting with a range of statutory stakeholders.

Scoping Report

The Scoping Report will be informed by desk-based research on the existing offshore and onshore environments in the location of the proposed project. This report will present the key project parameters, otherwise known as the Project Envelope, which includes all associated onshore and offshore infrastructure and possible elements that make up the project. The elements will be subject to further refinement throughout the development process.

Preliminary Environmental Information Report (PEIR)

The PEIR will provide a statement of the environmental information available for the Hornsea Project Four study area. This will build on the Scoping Report and the feedback received through the consultation process. It will incorporate the findings of the surveys and assessments and will enable consultees to develop an informed view of the potential environmental effects. We will be seeking feedback from local communities and other stakeholders on the PEIR (see the consultation timeline on the next page for more detail).

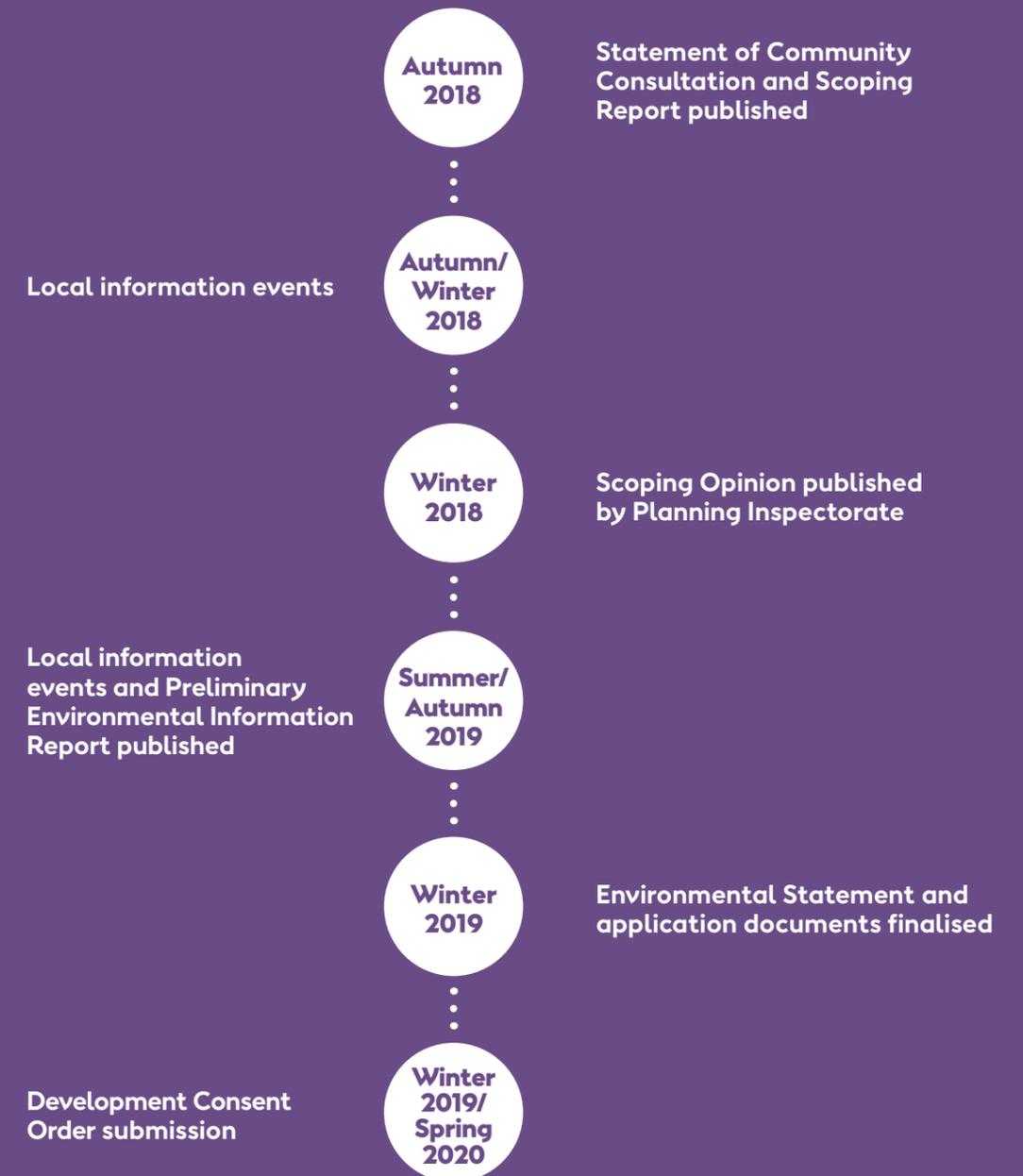
Environmental Statement (ES)

The ES will advance the content of the PEIR and continue to incorporate the responses from the consultation and results of the surveys undertaken. It will also describe any changes made to the project and any mitigation measures that need to be implemented. The ES will form part of the DCO application for submission.

Copies of these reports will be made available as we conduct the public consultation.



Consultation timeline



Communication lines

A project specific email address, Freephone information line and postal address have been set up so that consultees can ask questions and provide feedback on the proposals.



Send us an email:
contact@hornseaprojectfour.co.uk



Call our Freephone information line:
0808 169 3030



Visit our website:
www.hornseaprojects.co.uk/hornsea-project-four



Send us a letter:
Hornsea Project Four Offshore Wind Farm
c/o Humphrey Laidlaw
Ørsted UK
5 Howick Place
Victoria
London
SW1P 1WG



Follow us on Twitter:
@OrstedUK **#HornseaProject4**

Should you require this document in large print, audio or braille then please contact us using the details provided.

When responding to our pre-application consultation your personal data will be stored in compliance with GDPR by Ørsted and will not be shared with third parties. Your details may however be passed on to the Planning Inspectorate to ensure that our pre-application consultation is sufficient and in line with the planning process.

Ørsted
5 Howick Place
London
SW1P 1WG



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