



Hornsea Project Four: Consultation Report

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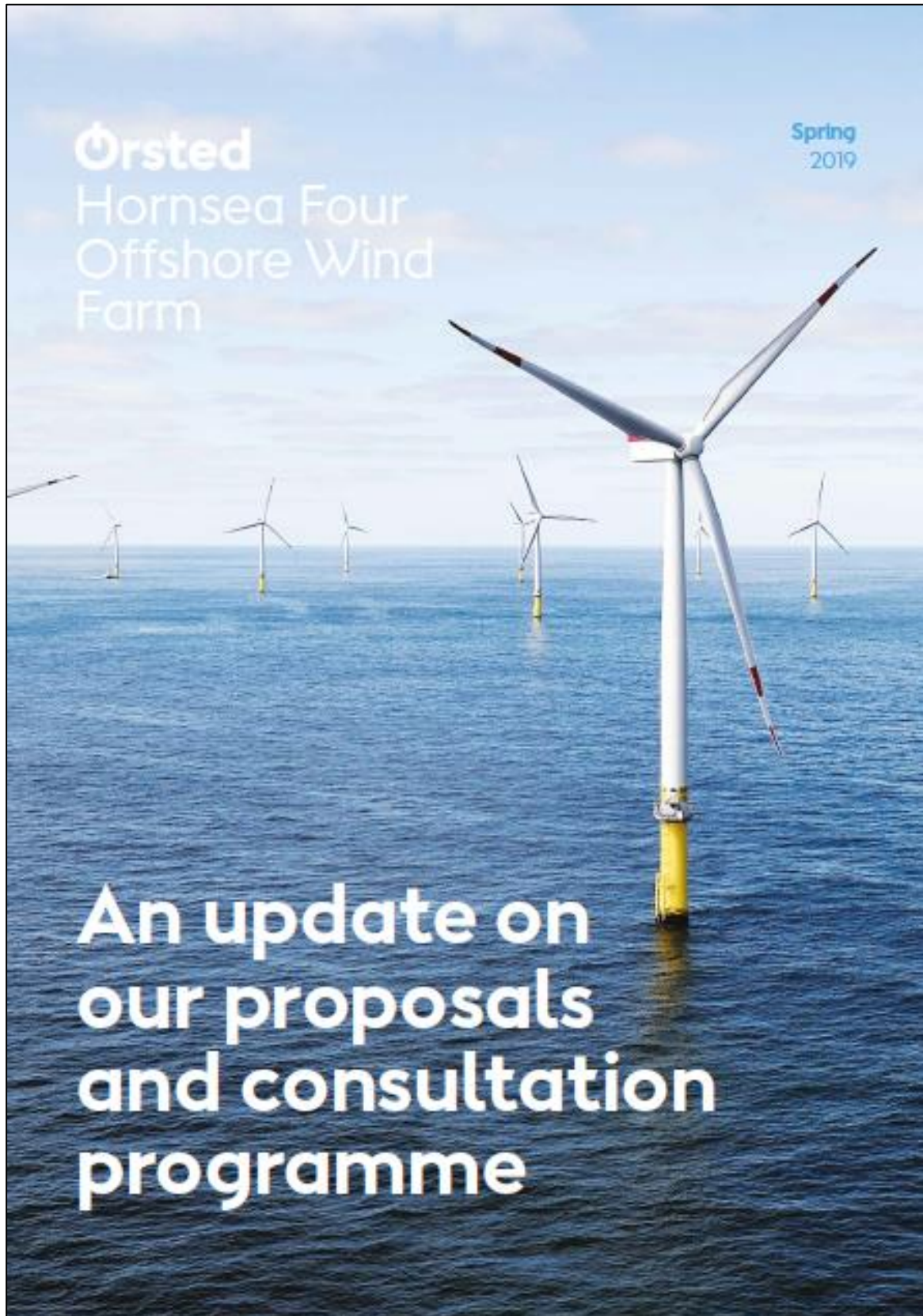
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Version A

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Introduction

This briefing pack provides an update on our plans for the proposed Hornsea Project Four offshore wind farm, ('Hornsea Four').

The previous briefing pack published in Autumn 2018 provided initial information on the project in its early stages. This document provides an update on our proposals for Hornsea Four and explains the consultation activities we have been undertaking, including our first round of public consultation in October/November 2018.

We explain how feedback received during this interim period has influenced the design and development of Hornsea Four and highlight the next steps for the project ahead of our formal consultation, which is anticipated for August/September 2019.



About Ørsted

Ørsted is a renewable energy company taking tangible action to meet its vision of creating a world that runs entirely on green energy. Climate change is one of the biggest challenges for life on earth; we need to transform the way we power the world.

Over the last decade, we have undergone a truly green transformation, more than halving our CO₂ emissions and focusing our activities on renewable sources of energy.

We are committed for the long-term, both to leading the change to green energy, and to investing in the communities where we work. We have invested significantly in the UK where we now develop, construct and operate offshore wind farms and innovative biotechnology which generates energy from household waste without incineration.

In the UK we currently have 11 operational offshore wind farms and two under construction.

Refining our proposals

Since our last round of consultation in October/November 2018, we have been developing our proposals in response to feedback we received from residents and statutory consultees. This includes stakeholders such as East Riding of Yorkshire Council, Natural England and the Environment Agency.

We welcomed 226 people to our last local information events which were held at four locations across East Riding of Yorkshire in October 2018. During and after our events, we engaged with many members of the local community and received valuable feedback from those who know the area best.

The feedback we have received has helped us to improve our understanding of the local area and highlighted specific concerns and sensitivities that exist such as flood risk, onshore ecology and drainage.

For more information regarding this feedback, including our Consultation Summary Report, please visit: hornseaprojects.co.uk/en/Hornsea-Project-Four/Documents-Library

Our refined onshore plans for Hornsea Four

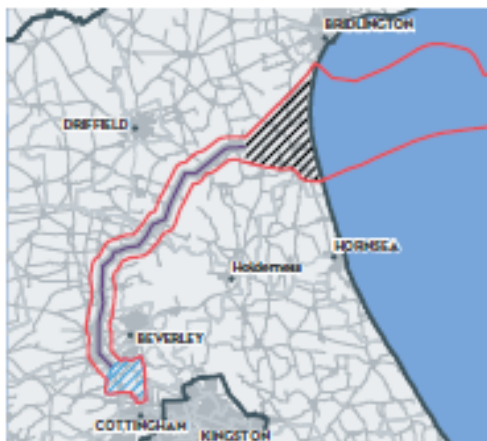


Figure 1. Our onshore search area as of October/November 2018



Figure 2. Our updated and refined plans in response to consultation (as of May 2019)¹

Key

| | |
|--|-----------------------------------|
| Onshore and offshore search area | Onshore substation search area |
| Indicative permanent cable area (200m) | Indicative Temporary works (700m) |
| Landfall search area | |

Key

| |
|--|
| Refined landfall search area |
| Refined onshore cable corridor (80m) |
| Refined onshore substation search area |

¹ Further refinement will be made in response to consultation and the findings of environmental assessments.

Onshore cable route

Figure 1 on page 5 shows the plans that we presented at our local information events in October 2018 following the publication of our Scoping Report. We presented a 200m wide Indicative Permanent Cable Area and a 700m wide Indicative Temporary Works Area within a 2000m Scoping Area for the onshore Export Cable Corridor (ECC). This included a broad search area for landfall and our onshore substation.

In response to feedback received, we have refined the cable corridor and we will be applying for an 80m wide onshore ECC as part of our DCO application. We would take a permanent easement of this land, meaning that we would have access during construction, operation and decommissioning of the offshore wind farm.

We are committed to reinstating the entire cable route to its original condition post construction².

We will continue to engage with residents, community groups and statutory stakeholders during our upcoming formal consultation which will help to continue to inform our proposals.

Landfall search area

After receiving valuable feedback from the local community, we have refined our landfall search area to the north of the Barmston Main Drain only. We are currently in the process of assessing our landfall zone. This involves the consideration of several local environmental and technical constraints, such as specially protected environmental areas and areas of high coastal erosion.

We will continue to work on refining these proposals up to publication of our Preliminary Environmental Information Report (PEIR), at which stage we will present an area for landfall and welcome further feedback on our proposals during our formal consultation planned for August / September 2019.

Onshore substation search area

Orsted is proposing an onshore substation for Hornsea Four in the vicinity of the existing National Grid Electricity Transmission (NGET) substation at Creyke Beck, north of Cottingham, where National Grid has offered a connection point. By minimising the distance between the two substations we will be able to keep local impacts to a minimum.

Following the publication of our Scoping Report in October 2018, we presented an onshore substation search area (see figure 3). At our local information events and in dialogue with local consultees, we mapped out the key constraints within our original search area. These constraints included proximity to residential properties, existing cables, pipelines and electrical infrastructure, flood risk, terrain, proximity to Creyke Beck and local plans in the area.

Following consultation and engagement with local parish councils, residents and landowners, we undertook a review of the onshore substation search area and refined this to four zones (see figure 4).

The refinement process considered the feedback we had received during consultation, and also considered visual impact, biodiversity, planning policy, consideration to nearby properties and other utilities in the area. We also needed to identify a suitably sized parcel of land to accommodate the technical parameters of the onshore substation identified within the Environmental Impact Assessment (EIA) Scoping Report. This has resulted in the identification of Zone 2 as the preferred area for the onshore substation.

² Post-construction the working area will be reinstated to pre-existing condition as far as reasonably practical in line with DEFRA 2009 Construction Code of Practice for the Sustainable Use of Soils on Construction Sites P813298.



Figure 3. Onshore substation search area as shown in Scoping Report

Figure 4. Options for siting of onshore substation

Our commitments

The primary way for people to influence the project design and the refinement of our proposals is through our **Commitments Register**. This is part of our aim to deliver an environmentally informed design for Hornsea Four, including a range of mitigation measures.

During and following our local information events in October/November 2018, we received several suggested commitments for the project to make. So far, we have made a number of commitments regarding the design and delivery of Hornsea Four, which include commitments to:



Reinstate construction working areas to their pre-existing condition.



Avoid all Marine Conservation Zones (MCZs) on the Yorkshire Coast.



Use Horizontal Directional Drilling Technology (HDD) where technically practical, to avoid all natural watercourses, main roads and railways.

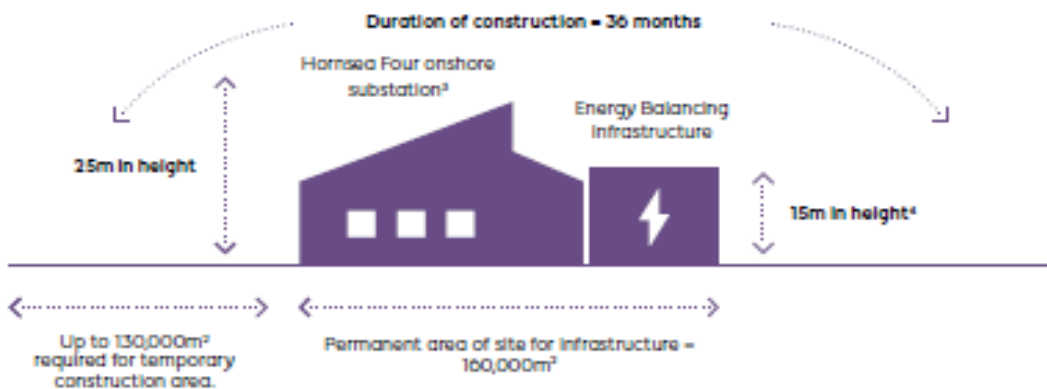


Refine our landfill search area to avoid Barnston Main Drain.

Our commitments register will next be open for public submission when we consult on our PEIR in August/September 2019. For more information, and to view and download our commitments register, please visit: hornseaprojects.co.uk/en/Hornsea-Project-Four/Documents-Library

Onshore substation infrastructure

Maximum design parameters of our onshore substation infrastructure



Energy Balancing Infrastructure (EBI)

Across our homes and businesses, we use electricity for heat, light, to power equipment, appliances and much more. Electricity production needs to match the energy we consume as closely as possible. Finding the balance between production and consumption involves accurate forecasting and careful management of energy sources. Renewable energy is becoming an increasingly significant

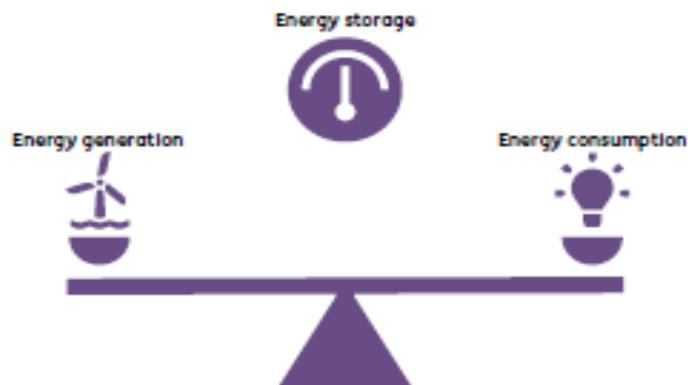
source of our energy but, by its very nature, large scale energy generation from renewable sources is variable. At Ørsted, we believe that energy storage will play a crucial part in our transition from reliance on fossil fuels to a world that runs entirely on green energy.



² These are the maximum design parameters we will apply for as part of our DCO application. We are continuing our work to refine these.

⁴ Our EBI, which is included within the footprint of the onshore substation, could include a maximum of four main buildings which could be 15m in height, 100m in length and 25m in width.

How does EBI work?



For Hornsea Four, we are proposing to include EBI within the existing footprint of our proposed onshore substation. EBI will help to store energy and deliver electricity to the grid when it is needed the most. This technology will also provide vital 'black-start' services in the event of a national power-cut or blackout.

More information about EBI will be available in our Preliminary Environmental Information Report (PEIR) and during our formal consultation period.

Onshore Substation Consultation Group

We have established a working group with parish councils located in the vicinity of our onshore substation search area, including representatives from Woodmansey, Rowley, Skidby, Walkington and Cottingham. This group was created as a consultation forum, focusing on the key areas of interest for respective parish councils and local communities in relation to the Hornsea Four onshore substation.

We held our first meeting at Beverley Treasure House in March 2019 where we provided an update on our proposals and described how the local community can materially influence site selection, design and mitigation measures.

One way in which the forum can feed into and engage with the proposals for Hornsea Four is through design. Within our final DCO application, we will apply for maximum design parameters, which will include a maximum building height of 25m and a total construction period for the onshore substation of 36 months. We will continue to refine these parameters and encourage input from members of the local community to ensure all mitigation methods are considered, where practically possible.

We will continue to meet with the Onshore Substation Consultation Group on a regular basis and encourage representatives to share information with members of their parish and encourage ongoing involvement.

Stakeholder engagement

In addition to meeting parish councils in the onshore substation search area, we are also meeting with parish councils along our onshore cable corridor. In February and March 2019, we met with Barmston and Fralsthorpe parish council and held a separate briefing session with parish councils at Lockington Village Hall.

We are also meeting with residents and landowners along the onshore cable corridor, obtaining feedback to inform the refinement of our proposals.

Digital engagement

To allow and encourage as many people as possible to review our plans in an interactive way, provide feedback and influence the design of our proposals for Hornsea Four, we are launching a new digital engagement platform. Plans which will be available to view online include our onshore cable corridor, landfall search area and onshore substation search area. We will use the feedback we receive to further refine our proposals for Hornsea Four.

Visit hornsea4feedback.commonplace.is to view our digital engagement platform. Stakeholders will be advised of the start of the formal consultation via a consultation leaflet and ongoing publicity.

Our Community Liaison Officer (CLO)

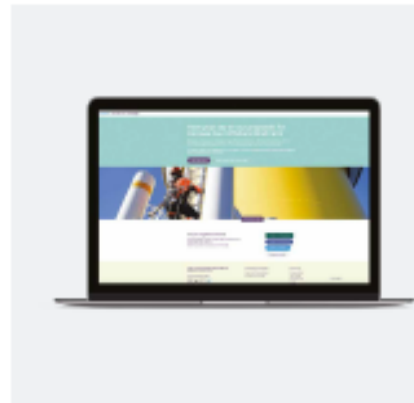
We have recently appointed a CLO, Andrew Acum, who will play a key communications role at this stage of the project. Andrew will act as a link between the local community and the project team, engaging with local stakeholders and facilitating meetings on a day to day basis.

With Hornsea Four in the pre-application stage of a DCO application, our CLO will provide community members with opportunities to discuss concerns about the project design and will foster an environment that supports greater community involvement at this stage.

Andrew has vast experience in managing and delivering communications and stakeholder engagement support in the energy sector.

We look forward to working with Andrew and continuing to engage with the local community.

Contact information:



Next steps - formal consultation

We will next be consulting on our proposals for Hornsea Four during our formal consultation, which will follow the publication of our PEIR, anticipated for August/September 2019.

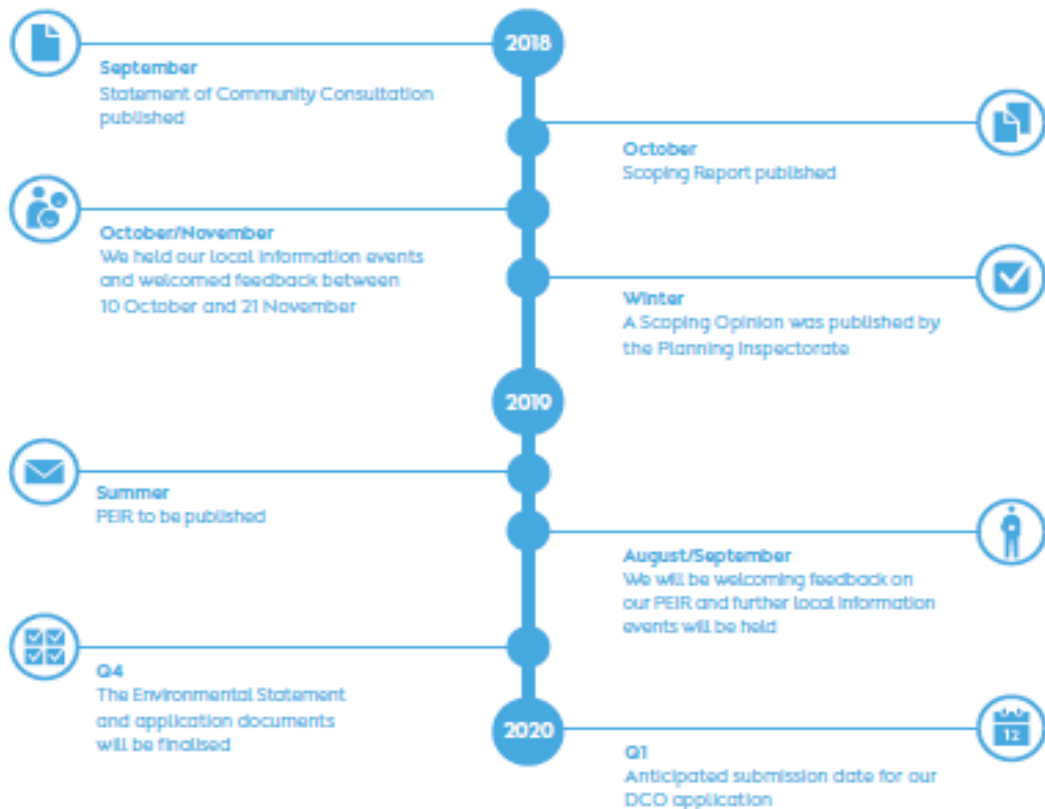
During this period, we will be consulting on several proposals, including:

- Our refined 80m onshore cable corridor
- Presentation of landfill options
- Presentation of our onshore substation

To help inform these options, we are currently undertaking a series of environmental studies and assessments as part of the Environmental Impact Assessment (EIA) process.

Feedback received during the period will help us to refine our proposals and work towards delivering an environmentally informed design for Hornsea Four.

Consultation timeline



Full details available here

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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:
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United Kingdom

www.ored.com
Company no. 49 84 787

Friday 17 May 2019

RE: Proposals for Hornsea Four Offshore Wind Farm

Dear parish council,

I'm writing to you regarding Hornsea Four, a new offshore wind farm which Ørsted is proposing to develop approximately 65 km off Flamborough Head on the Yorkshire Coast.

It is proposed that the export cable from the offshore wind farm will come ashore at a landfall point to the north of Barmston on the East Riding of Yorkshire coast. The underground export cable will then be routed to the proposed National Grid substation at Creyke Beck, which will involve the creation of a new onshore substation in the vicinity of this National Grid connection.

We last met with elected representatives in East Riding of Yorkshire in September 2018, where we introduced our early stage proposals for Hornsea Four. Following this, we held a number of local information events along our proposed onshore export cable corridor in October 2018. Since then we have been refining our proposals in response to feedback received and we are now preparing for a period of formal consultation in August/September 2019.

As an elected representative of East Riding of Yorkshire Council, we would like to provide you with the enclosed briefing pack which contains updated information about the project. This pack will be distributed to key stakeholders within East Riding of Yorkshire Council and Neighbouring Authorities as well as the relevant Ward and Parish Councillors for the project.

I would also like to invite you to attend a briefing meeting which we are holding later this month. The details of the meeting are as follows:

- Tuesday 28 May 2019, 5:30pm – 7:30pm at Beverley Treasure House, Champney Road, Beverley, HU17 8HE



At this meeting, you will be able to meet the project team, ask questions and provide any feedback on our updated proposals. Please let me know if you are able to attend.

Should you wish for the project team separately to the briefing meeting on 28 May, we would be happy to arrange a meeting date with you to discuss the proposals.

I look forward to meeting you soon. In the meantime, you can also visit our website and view further information about the project. Our website address is: <https://hornseaprojects.co.uk/hornsea-project-four/>

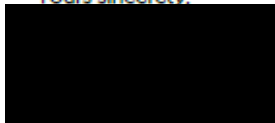
Anyone who is interested in the project can go to our website to register their interest, ask questions and stay up to date on the project as it progresses.

If you have any questions or queries about our proposals, please do not hesitate to contact us by using the following details:

E: contact@hornseaprojectfour.co.uk

T: 0806 169 3030

Yours sincerely,



Humphrey Laidlaw

Consultation Manager
Hornsea Project Four
Ørsted



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5 Howick Place
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United Kingdom

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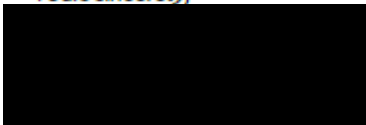
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