

Update on North Falls Offshore Wind Farm



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Offshore Wind Farm

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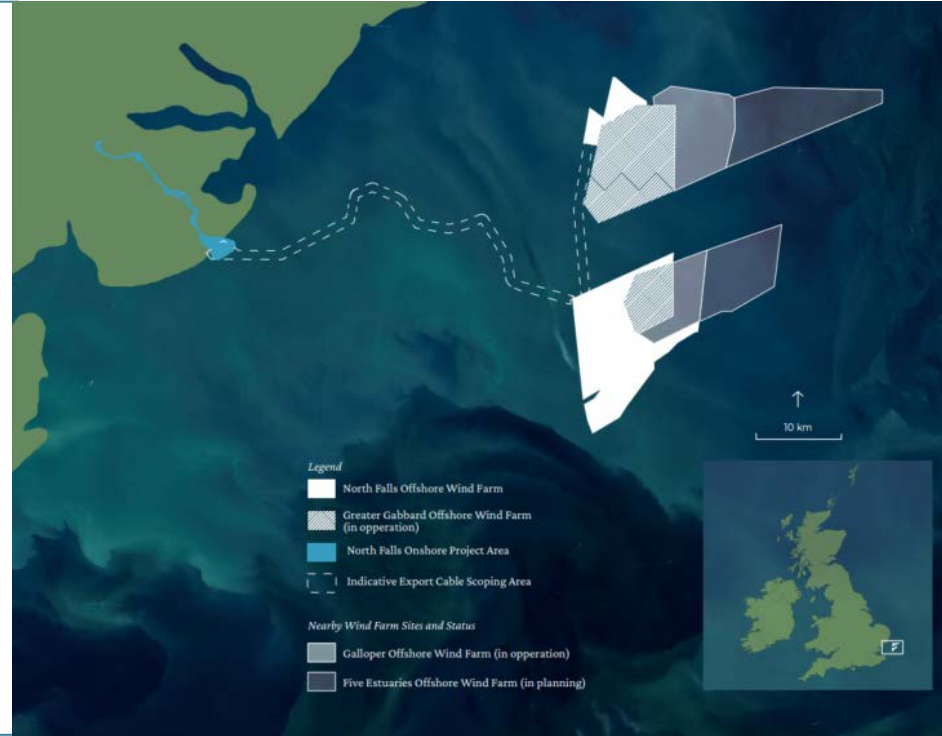
SNS2023 Vision 2030 – Thursday 25 May 2023

Andy Paine, Independent Project Director, North Falls

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North Falls – who are we:

- North Falls is an extension to **Greater Gabbard Offshore Wind Farm**
- Current capacity is 504MW
- Development consent order application scheduled for submission in **late 2023**
- North Falls is being developed by a joint venture company owned 50/50 by **SSE Renewables** and **RWE**.
- **Our statutory consultation is now underway**



Up to 72

Maximum number of wind turbines



22.5km

Distance to shore (closest)



150km²

Turbine array areas coverage



400,000

Homes equivalent to be provided with clean green energy



More than £1.5bn

Potential investment in UK energy infrastructure



50GW by 2030

Contributing to government net zero ambitions



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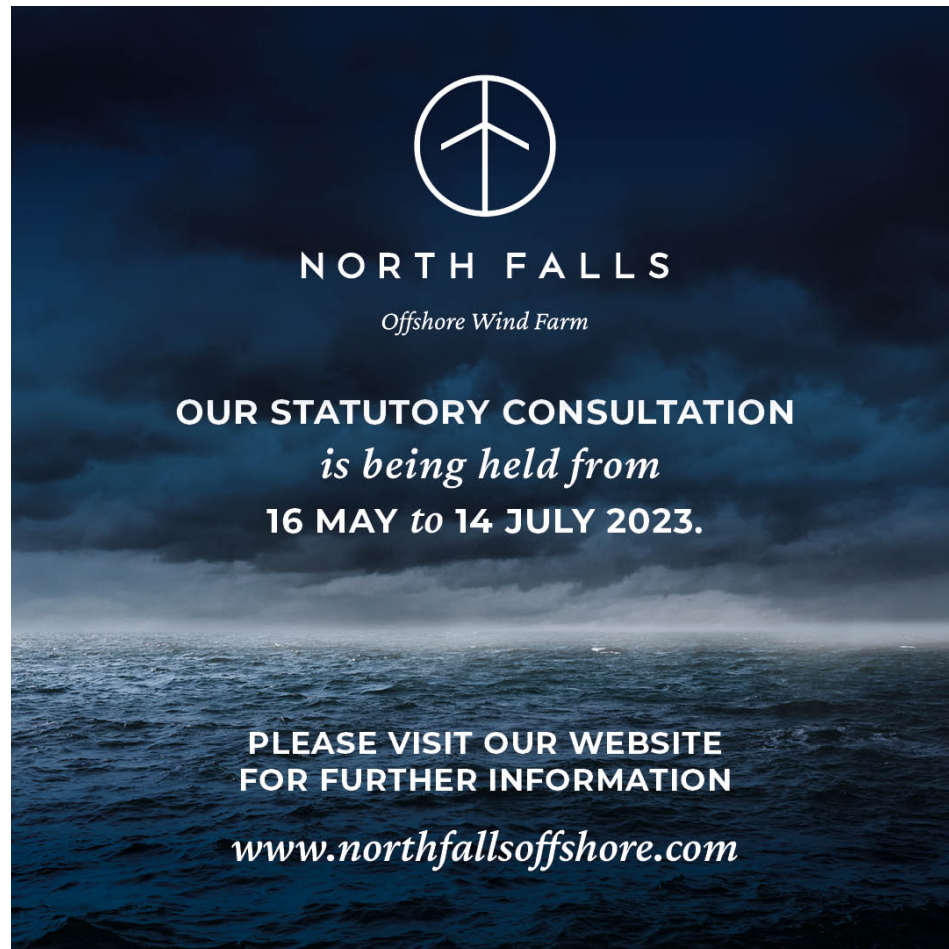
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Statutory consultation is now underway



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- **Consultation is key** to our development process
- We are now in statutory consultation asking for feedback on our **Preliminary Environmental Information Report findings, impacts and mitigation proposals.**
- The proposals are **not the final application**, so this is the key opportunity to influence the details before submission.
- We welcome feedback and support from all stakeholders including from **potential suppliers**
- **Online portal:** <https://stat.northfallsoffshore.com/> and feedback is due by **Friday 14 July**

Offshore Transmission Network Review

- North Falls is contributing to the **Offshore Transmission Network Review (OTNR)** and actively exploring possibilities for an offshore connection.
- OTNR challenges include:
 - the need for **new regulatory models around licensing, market access and grid charging**
 - **Alignment of the rules for contract for difference auctions**
 - Treatment of current **OFTO** obligations
 - how **different projects are allowed to work together.**
- To **maintain momentum, avoid the risk of project delays and meet 2030 ambitions**, we are progressing the onshore grid connection while assessing offshore options.
- As part of this North Falls in partnership with others has applied for grant funding under the **Offshore Coordination Support Scheme (OCSS)**



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North Falls optionality around transmission infrastructure (PEIR)



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Option 1:

Project alone onshore cable route and onshore substation infrastructure

Option 2:

Sharing all or part of an onshore cable route with another project (such as Five Estuaries) where practicable.

Option 3:

Offshore connection supplied by a **third-party electricity network provider** – potentially identified through the OTNR process.

Diagram of proposed offshore wind farm (radial connection)

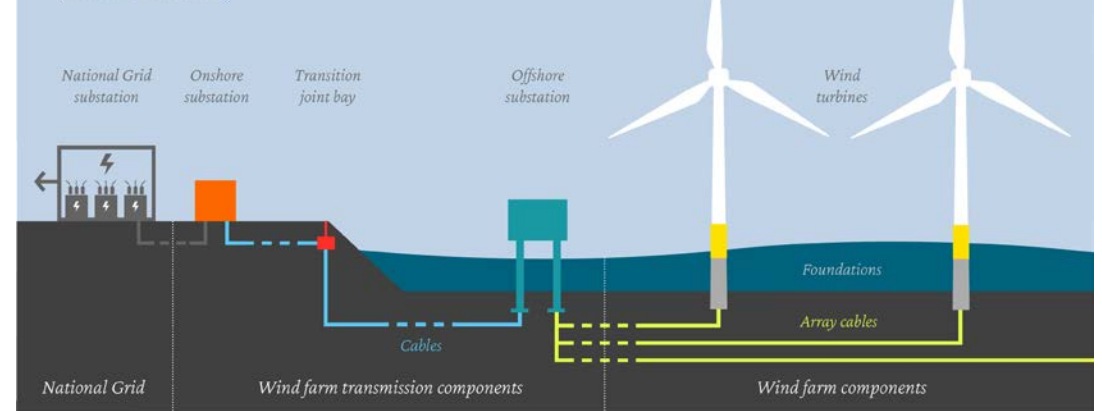
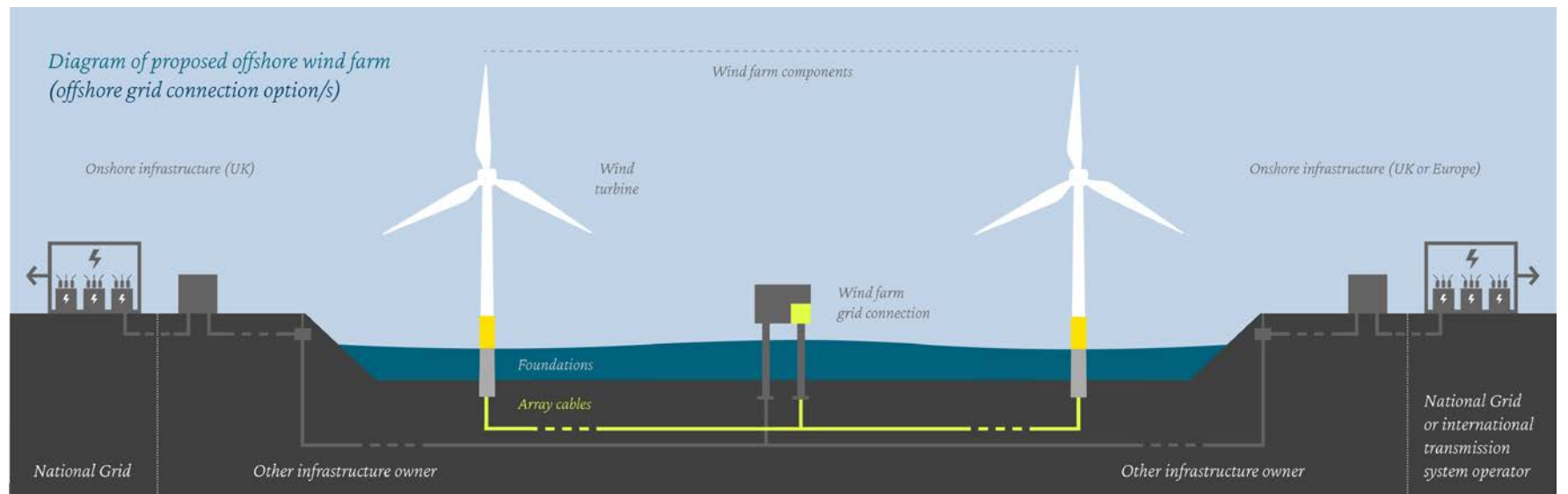


Diagram of proposed offshore wind farm (offshore grid connection option/s)



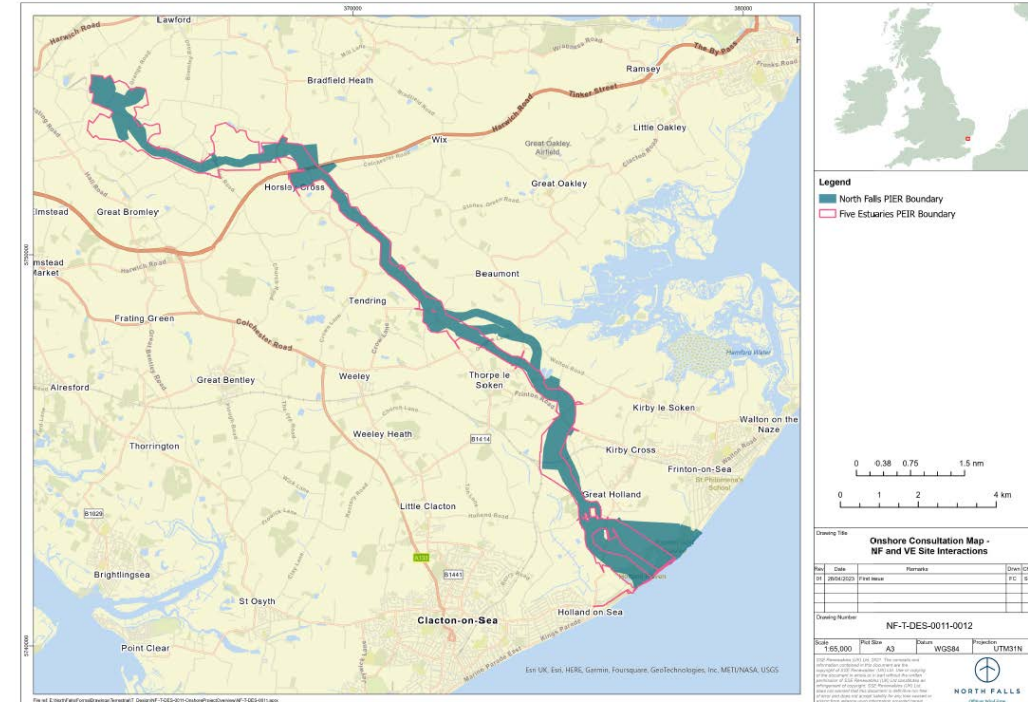
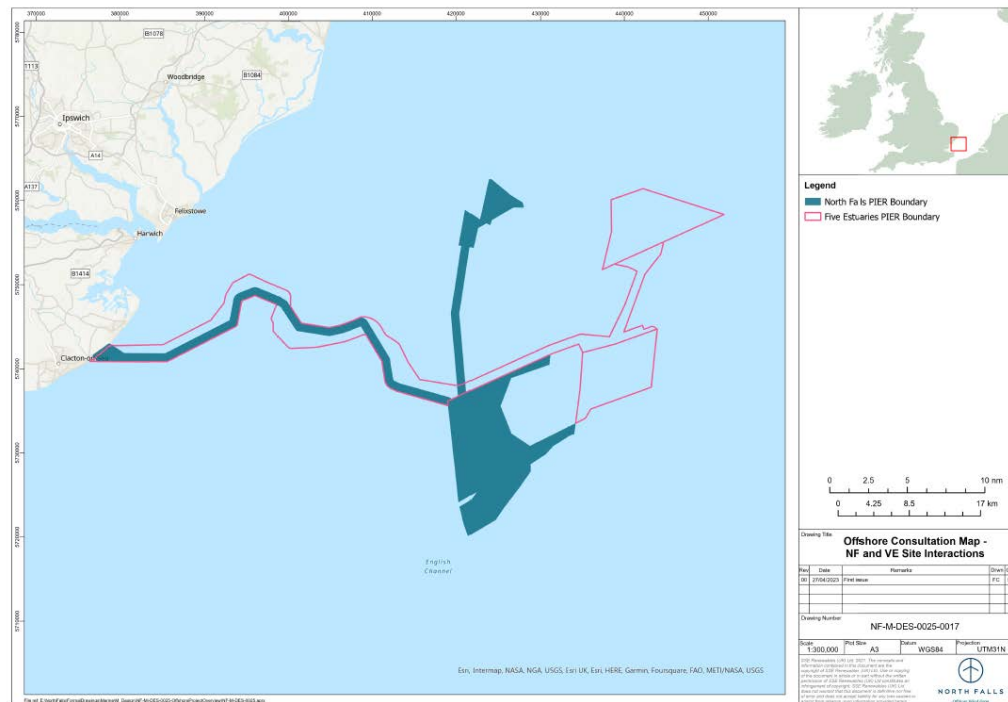
Working closely with Five Estuaries



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- **Opportunities for co-ordination** have been sought during the project design, particularly with Five Estuaries, which also has grid connection in Tendring, Essex.
- Due to the projects' proximity the projects have **sought to co-ordinate where practicable** – on onshore infrastructure, joint surveys and stakeholder feedback.
- Both projects have committed to **burying** all their onshore electricity cables.





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Socio-economic benefits from North Falls

- **Generating green electricity**
- **Helping combat climate change**
- **Contribute to net zero and the UK's energy security**

North Falls also aims to emulate the initiatives of Greater Gabbard in terms of socio-economic benefit.

The initial socioeconomic benefit study found:



4,000

Annual full-time equivalent jobs



£400 million

Gross value add for the local area

- Annual full-time equivalent is a unit to measure employed people in a way that makes them comparable although they may work different number of hours per week.
- Gross value added measures the contribution to the economy of individual producer, industry or sector.



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Supply chain growth vital to offshore wind sector



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New criteria for supply chain plans.

Developers to **deliver against four new pillars.**

Understand where you fit in the supply chain.

Familiarise yourself with the new ambitions and criteria.

Green growth


Innovation

Infrastructure

Skills

Date:	Project phase:	Suppliers:
Now to 2025	Development - application submitted Pre-consent	<ul style="list-style-type: none"> ➤ Legal, environmental, engineering, planning ➤ Increasing supply chain engagement
2025 to mid-2027	Consent Project planning pre-construction	<ul style="list-style-type: none"> ➤ Tier 1 and 2 suppliers ➤ Engineering design / consultancy
2027 to early-2030	Construction and commissioning Start of operations	<ul style="list-style-type: none"> ➤ Tier 1 and 2 contractors - steel supply, all engineering, cables, turbines, foundations ➤ Onshore - groundworks, ducts, cables, site management ➤ Project management ➤ Vessels / ports (marine)
From 2030	Operations and maintenance	<ul style="list-style-type: none"> ➤ Marine suppliers, safety, vessels, office/admin

North Falls: stay in touch or register for updates

North Falls will establish an online register for potential suppliers post-consent however in the interim, you can get in touch to register your interest or ask questions using one of these contact methods 



Telephone (24/7): 0800 254 5340



Email: contact@northfallsoffshore.com



Website: www.northfallsoffshore.com



By post: FREEPOST North Falls

Thank you



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