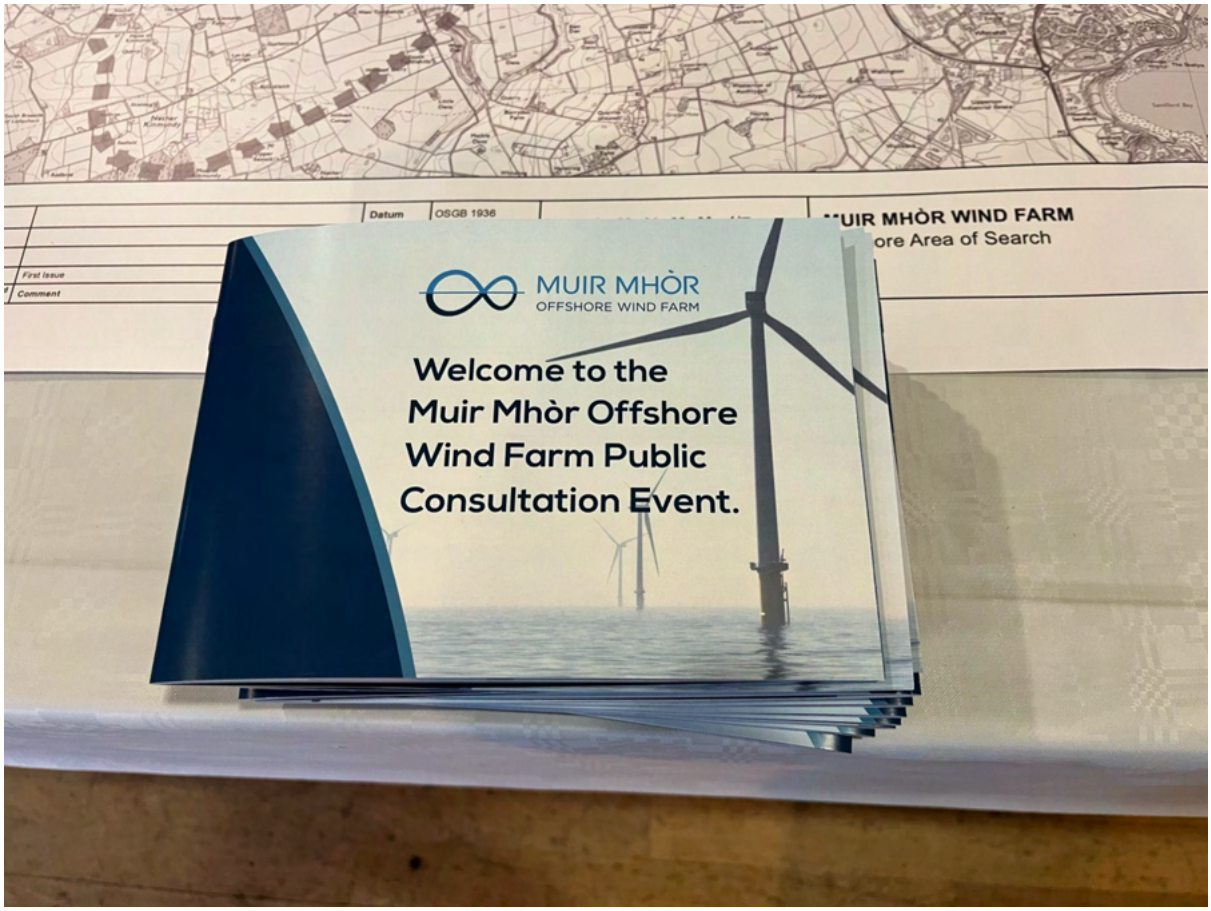
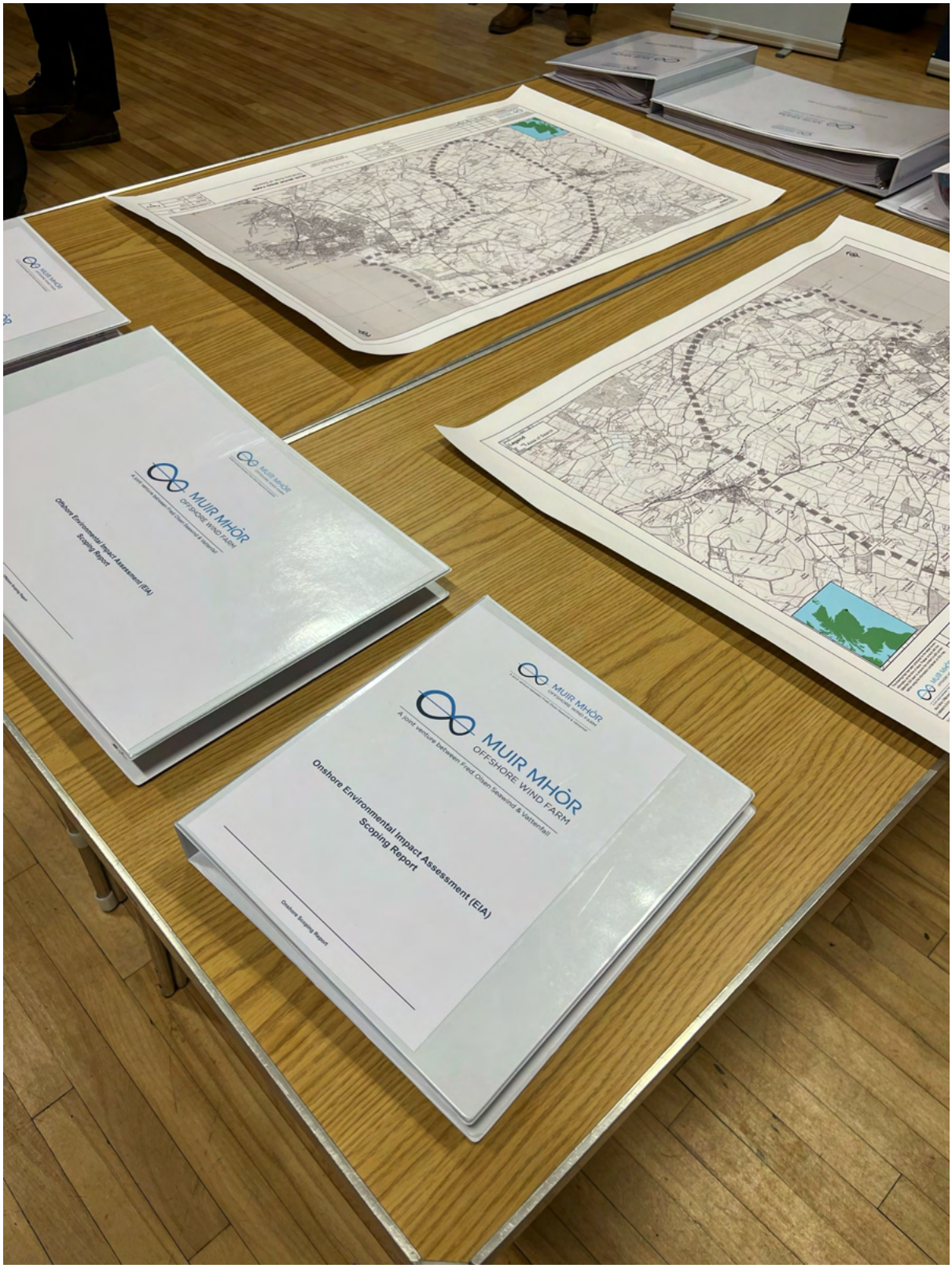

MUIR MHÒR
OFFSHORE WIND FARM
Welcome to the Muir Mhòr Offshore Wind Farm Public Consultation Event.

Onshore Siting and Routeing
Software tools and Geographic Information System (GIS) based analysis was used to identify optimum route corridors and grid connections.
The outcomes of this process will inform the Site Selection and Consideration of Alternatives' Chapter of the Environmental Impact Assessment (EIA) report.
An area of search for the onshore cables and onshore substation has been identified through a detailed site selection process.
Using a computer model, informed by professional judgement, potential onshore cable routes from the preferred landfall site to the area in which the onshore substation is proposed to be located are currently being investigated.
The search areas for the landfall, cables and onshore substation are shown in the map shown. The area is currently being surveyed by our team of environmental specialists, where access has been agreed, to inform the final choice of cable route and to identify any constraints to siting infrastructure within these areas.
SCAN ME for more info
Indicative Project Schedule
Development
Scotwind awards Muir Mhor Option Agreement January 2022
Submission of Offshore & On-shore Scoping Reports June 2023
Offshore Environmental Surveys Complete 2023
Scottish Ministers Adopt Scoping Opinion September 2023
2nd Public Consultation Event Spring 2024
Submission of Offshore & Onshore applications June 2024
Project Consent Granted Mid 2025
Final Investment Decision 2027
Construction Begins 2029
Power Grid Connection & First Generation 2030
Construction
Full Commercial Operational
Operations
The EIA Process
Scoping
Consultation and Assessment
Environmental Impact Statement
Determination
Offshore Environmental Assessment
Onshore Environmental Assessment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Onshore Environmental Impact Assessment (EIA)
Scoping Report

Offshore Infrastructure
The following components are required to generate electricity and transport it to shore and into the national grid.
Wind Turbines
Offshore Export Cable
Inter-array Cables
Offshore Substation Platform
Floating Foundations

Onshore
Infrastructure
The onshore infrastructure will transport energy from the offshore wind turbines to the national grid and will consist of the following key components:
Landfall Site
Underground Cables
Onshore Substation

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The Muir Mhòr team views public consultation as a key component in developing one of the world's first commercially viable floating wind projects.
MUIR MHÒR
OFFSHORE WIND FARM
MEET THE TEAM
David Hinshelwood Project Director
Marie-Laurence Carruezco Deputy Project Director & Technical Project Manager
Marc Browne Development & Consents Manager
Rachel Henderson Onshore Consents Manager
Bridget Casey Stakeholder Liaison Officer
Gilles Munro Project Development Manager
Erin McLeod Stakeholder & Communications Coordinator
John Kennedy Land Manager
Helen Snodin Grid & Regulation Manager
Precious Nwokoma Grid & Regulation Manager
Andrew Hynd Technical Interface Manager
Patrick Sweeney Ports & Logistics Manager
SUPPORTED BY
GoBe Consultants
Laurie-Kirkland Offshore EIA Project Director
Chris Coleby Offshore EIA Project Manager
Belina Collington Offshore EIA Asst Project Manager
Land Use Consultants
Jo Wotton Onshore EIA Project Manager
Kathryn Jukes Offshore EIA Project Manager
Ardent Management
Young Planning & Energy Consenting
Grant Young Onshore Planning Consultant
Brown May
Zoe Laurence Fisheries Consultant
3DW
Vedran Bucko Lead Developer of 3D Tech Visualisation Project

Muir Mhòr will be located approximately 63km east of the coast of Peterhead.
Peterhead
63km
Offshore Export Cable Corridor (Area of Search)
Project Location
The Muir Mhòr Project is split into four distinct areas:
Array Area
This is the offshore energy generation site, where up to 67 wind turbines will be located.
Offshore Export Cable Corridor
This is the offshore area containing the export cables which connect the Array Area to the grid connection point on the Scottish mainland.
Intertidal Area
This is the area between where the export cables transition towards landfall and the onshore infrastructure.
Onshore Export Cable Corridor & Onshore Substation
All onshore cables will be buried underground and will connect to the onshore substation.
Offshore Infrastructure
The following components are required to generate electricity and transport to shore and into the national grid.
Wind Turbines
Offshore Export Cable
3 offshore cable circuits, max lengths of 120km each
Mooring & Anchoring
Offshore Substation Platform
Inter-array Cables
Offshore Construction & Operation
Offshore construction is expected to last approximately 4 years.
During the offshore construction phase:
Offshore Construction Processes
Onshore Infrastructure
The onshore infrastructure will transport energy from the offshore wind turbines to the national grid and will consist of the following key components:
Landfall Site
Underground Cables
Onshore Substation

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The Muir Mhòr team views public consultation as a key component in developing one of the world's first commercially viable floating wind projects.
We want local communities, members of the public and other stakeholders to engage, ask questions and share their local knowledge. There will be QR codes and forms situated throughout the venue to allow the public to share views, opinions, and comments about the project.
SCAN ME
For more info
MUIR MHÒR
OFFSHORE WIND FARM
MEET THE TEAM
SUPPORTED BY
Project Background
Why are we developing?
Project Location
Offshore Infrastructure
Offshore Construction & Operation
Onshore Infrastructure

MUIR MHÒR
OFFSHORE WIND FARM
Community Questionnaire Feedback Form
1. Have we clearly explained the need for the Muir Mhor project?
Yes
No
Any further comments:
2. Do you feel that sufficient information has been provided to help you understand what is being proposed and why?
Yes
No
Any further comments:
3. Do you believe the approach taken by the project team in selecting the site is reasonable, and has it been clearly explained?
Yes
No
Any further comments:
4. Are there any social or environmental factors that you think have not b considered or have been overlooked during the site selection?
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Site Selection Process
Onshore Infrastructure
The onshore infrastructure will transport energy from the offshore wind turbines to the national grid and will consist of the following key components:
Landfall
The landfall site is where the offshore power cables arrive on land and join the onshore power cables. On reaching the nearshore, the cables will be fed through an underground cable into the onshore underground cabling route, meaning no disruption to the beach and dune area.
Underground Cables
All cables will be buried underground from landfall to the onshore substation at Weslerton and then buried from the substation to the Netherton Hub. The cable corridor will be refined after further technical and environmental reviews, though much of the route is expected to be on agricultural land. Once construction is complete, the land along the cable route will be restored, allowing agricultural activities to resume.
Onshore Substation
The proposed onshore substation buildings will be a maximum height of 15m and a maximum footprint of 200m by 250m. Additional land will be required beyond the substation buildings for parking, offices, temporary compounds, landscaping, drainage, access, and security fencing. The onshore substation will connect with the main transmission system at the SSEN Netherton Hub.
63km
Peterhead
Muir Mhòr will be located approximately 63km east of the coast of Peterhead.
Offshore Export Cable Corridor (Area of Search)
Project Key Information
Location
63km East of Peterhead
Capacity
Up to 1GW
No of turbines
Up to 67
Development Area
200km²
Water depth
60-100m
Landfall location
North of Peterhead
Grid connection location
SSEN's Netherton Hub

MUIR MHOR
Newseat
Roundhillock Cottages
30
35

Background
Why are we developing?

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