MarramWind

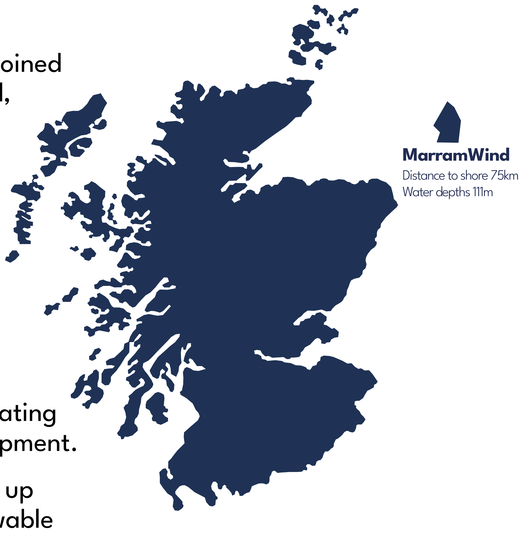
Welcome

Welcome to MarramWind's fourth round of statutory consultation. This is an opportunity to find out more about the project's progress and share your views. The consultation is open from 30 October until 11:59pm on 13 November 2025.

About Marramwind

ScottishPower and Shell have joined forces to develop MarramWind, a proposed floating offshore windfarm.

- MarramWind is located approximately 75km off the north-east coast of Aberdeenshire.
- The wind turbines will be barely visible from shore.
- One of the world's largest floating offshore windfarms in development.
- It has the potential to deliver up to 3 gigawatts (GW) of renewable electricity - enough energy to power the equivalent of more than 3.5 million homes.
- The project will be built in three phases. If approved, phase one would be in operation by the mid 2030s.
- The project will connect to the national grid at the proposed SSEN Netherton Hub substation to the west of Peterhead.



Supporting net zero targets

The energy generated by MarramWind will play an important role in achieving Scottish and UK net zero targets for 2045 and 2050 respectively. Renewable energy produced by MarramWind will also support the UK's energy security and resilience.

About ScottishPower and Shell

ScottishPower and Shell have over 70 years' combined experience in Scotland's offshore environment, with over 50 years' experience offshore in the North Sea. We also have over 15 years of combined experience in floating offshore wind energy.

As world-leading energy developers, we bring together decades of experience working offshore in Scotland, and an innovative approach to delivering offshore energy projects

We want to hear your views

Your feedback is important to us as we prepare to submit our consent applications to the relevant onshore and offshore authorities at the end of 2025.

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Project programme

Developing the project involves significant work, but our priority is to deliver a project that minimises effects on local communities and the environment, while delivering the renewable energy needed to power the country now and in the future.

The programme below sets out the process and anticipated timeline from development through to first power.

2022

ScottishPower and Shell were awarded rights to develop MarramWind within Plan Option NE7 of Scotland's 'Sectoral Marine Plan - Offshore Wind Energy (2020)' as part of Crown Estate Scotland's ScotWind leasing round. Environmental surveys and data gathering commenced in the marine and terrestrial environments to inform the EIA and project design.

2023

The project's Scoping Report was submitted to Aberdeenshire Council and the Marine Directorate. The Scoping Report is available on the project's website **www.marramwind.co.uk.**

A Public Drop-In-Day event was held in Peterhead for stakeholders to learn about the project. A supply chain event was also held for local businesses and suppliers to raise awareness of future contract opportunities.

2024

Two rounds of public consultation were held, each including public events and online Q&A sessions, providing stakeholders with opportunities to view and feedback on the project proposals during the development stage.

Supported local skills and community activities, including funding school pupils in Peterhead to visit Aberdeen Science Centre and sponsoring SeaFest.

2025

Two additional rounds of public consultation to view progress and provide feedback on the final project proposals.

Submission of necessary applications and consents to the consenting authorities: Aberdeenshire Council and the Marine Directorate.

2026

Anticipated planning decisions to be made for the offshore and onshore consents. Updated Supply Chain Development Statement submitted to Crown Estate Scotland.

early 2030s

Start of phased construction subject to consent.

mid 2030s

First generation of power from phase 1.

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Offshore infrastructure 1

How We'll Get the Electricity to Shore

Electricity generated by MarramWind's floating wind turbines will be sent to shore via subsea cables, then routed to an onshore substation and into the national grid at SSEN's Netherton Hub.

We're considering two transmission options:

- HVAC (High Voltage Alternating Current) – typically used for shorter distances
- HVDC (High Voltage Direct Current) – more efficient over longer distances, requiring converter stations offshore and onshore

Depending on the final design, up to two Reactive Compensation Platforms may be needed for HVAC, situated halfway between the offshore and onshore substations.

Turbines

We expect to install 126 to 225 turbines, each potentially generating up to 25 MW. Final specifications will depend on technology available at the time of construction.

Key turbine features:

- Heights up to 350 metres
- Rotor diameters between 236–326 metres
- Blade lengths of 115–155 metres

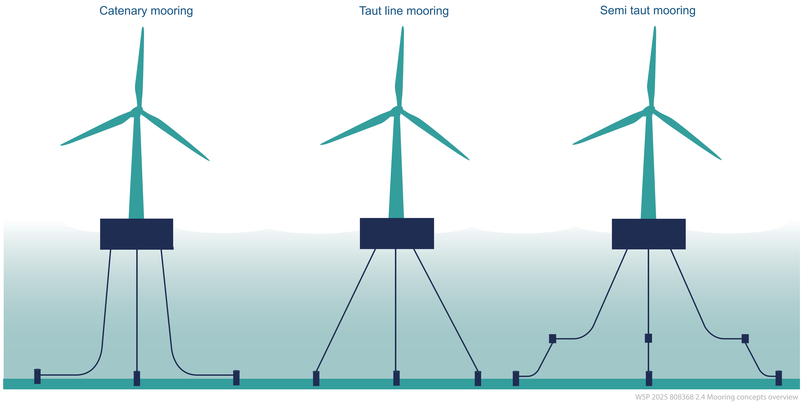
Floating Foundations and Moorings

Each turbine will sit on a floating unit, anchored by up to eight mooring lines. The type of mooring will depend on seabed conditions and turbine design.

We're exploring:

- Catenary – slack lines, suitable for varying depths
- Taut line – tight lines, using less seabed space
- Semi-taut – a hybrid option with shorter lines

Environmental impact, marine activity, and seabed surveys will guide final decisions.



WSP 2025 808368 2.4 Mooring concepts overview

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Offshore infrastructure 2

Offshore Platforms & Cables

Up to four offshore platforms will house electrical equipment and connect turbines to export cables. The number and type will depend on the transmission system chosen.

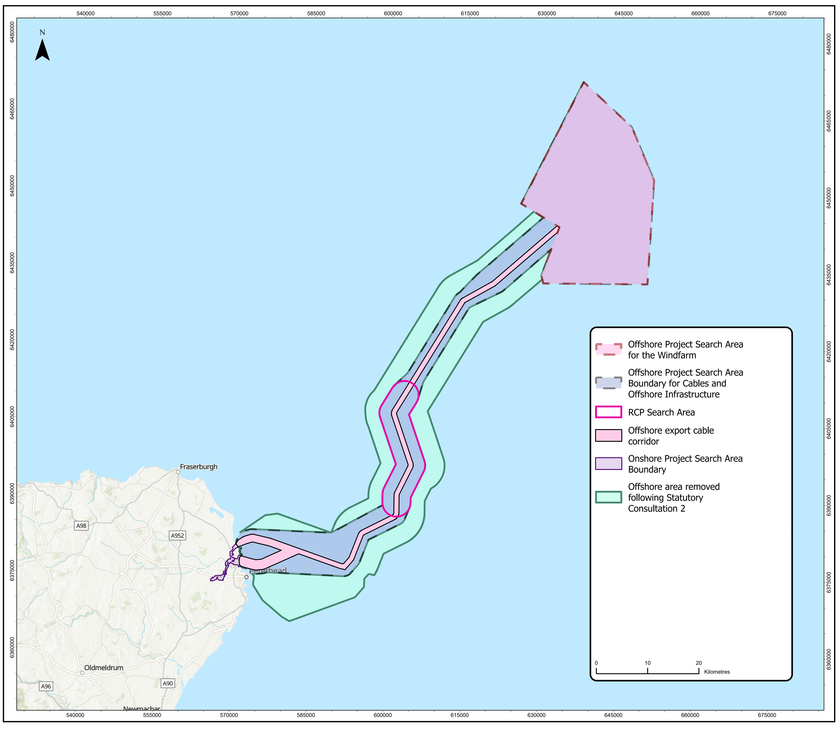
Subsea cables will carry electricity to shore, buried where possible to protect marine users. In areas where burial isn't feasible, protective measures such as rock armour or concrete mattresses will be used.

- Offshore cable routes may be 130–140 km long
- Cable corridors will be 1–2 km wide, narrowing near shore

Export Cable Corridor

We're finalising the underwater cable route to connect the windfarm to shore, ensuring it's environmentally sensitive and technically feasible.

We've consulted with NatureScot, fishing groups, and the Maritime and Coastguard Agency to understand potential impacts. We're also working with other renewable developers to minimise disruption and maintain safe navigation during construction and operation.



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Landfall

Landfall Site Selection

To bring electricity from offshore to land, we initially considered a 70km stretch of coastline. This was narrowed to three potential landfall locations: Scotstown, Lunderton (north of Peterhead), and Sandford Bay (south of Peterhead).

Statutory Consultation 1

In early 2024, we presented three potential landfall locations for bringing offshore cables to shore: Scotstown, Lunderton (north of Peterhead), and Sandford Bay (south of Peterhead). These sites were identified following an initial review of a 70km stretch of coastline.

Statutory Consultation 2

After reviewing feedback and conducting environmental and technical studies:

- Sandford Bay was ruled out due to its proximity to a protected seabird breeding area and nearby infrastructure constraints.
- A detailed review of cable route options focused on the southern route to Lunderton, assessing feasibility and potential challenges.

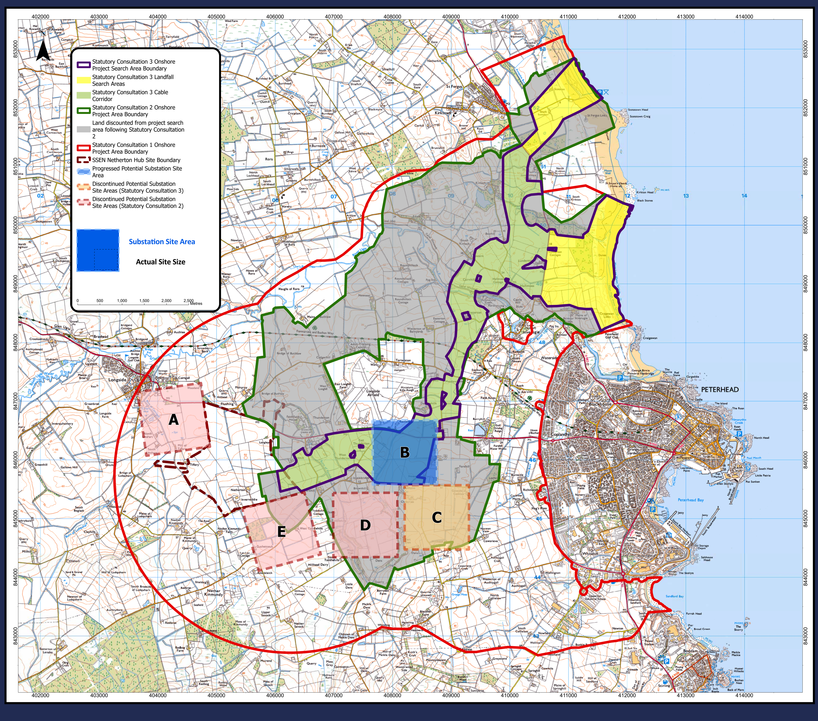
Both Scotstown Beach and Lunderton were found to be suitable landfall locations, based on environmental and engineering considerations.

Preferred Option

The current plan is to use one landfall site, but a final decision is still to be made. This will depend on:

- Available space for cables and infrastructure
- Coordination with nearby developments
- Results from ongoing surveys and engineering work
- Continued stakeholder engagement

Maintaining flexibility between Scotstown and Lunderton allows us to deliver the infrastructure needed for a 3GW windfarm, while minimising environmental impacts.



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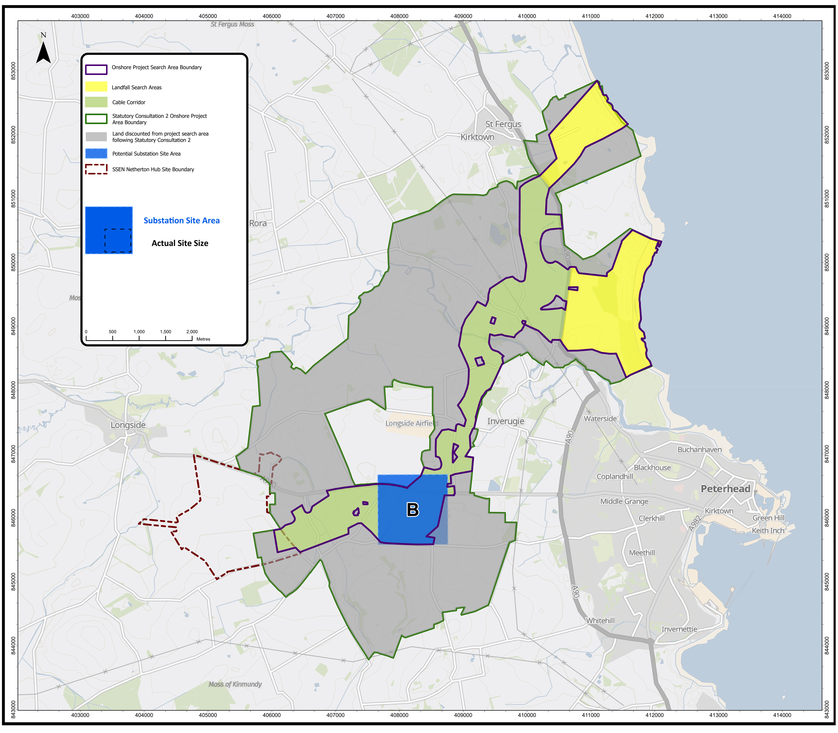
Onshore cable corridor

Initially, a broad triangular area was identified to explore potential cable routes between landfall zones and substation sites near New Deer and Peterhead. This included a 3km radius around New Deer and a 5km radius around Peterhead.

Once the grid connection at SSEN's Netherton Hub was confirmed, two corridor options emerged—east and west of Longside Airfield. The eastern route was preferred due to its shorter length, better access, and fewer constraints. It was further refined to avoid sensitive features and align with landowner boundaries, helping reduce environmental and cumulative impacts.

This route will link the landfall(s) to the SSEN Netherton Hub via the MarramWind substation.



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Onshore substation site 1

Statutory Consultation 1

Due to early uncertainty around the grid connection, the project began with a broad search area. Once the connection point at the Netherton Hub was confirmed, the search was refined to a 3km radius. Five potential substation sites were presented to the public for feedback, selected based on environmental and technical assessments, and proximity to the grid.

Statutory Consultation 2

Following stakeholder feedback and further studies, sites A, D and E were ruled out. Sites B and C were retained for more detailed evaluation, focusing on space, suitability, and operational needs.

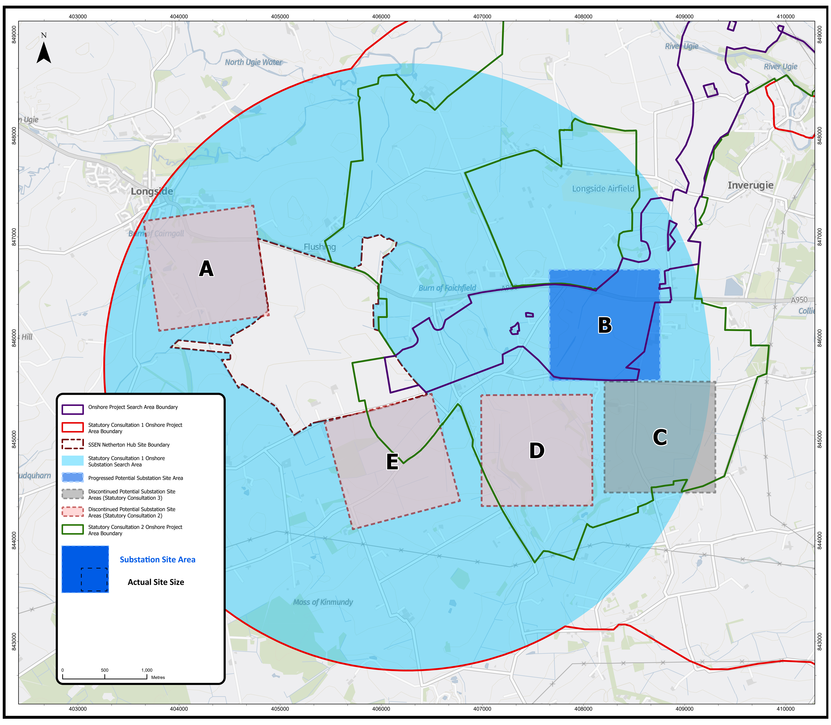
Preferred Option

After the second consultation and further analysis, Site C was discounted. Site B was selected as the preferred location due to:

- Flat terrain and proximity to major roads
- Semi-industrial setting with reduced visual and traffic impact

Public feedback has supported this choice. Site B was presented during Statutory Consultation 3 and is now being progressed as the proposed location for the onshore substation.

Further details on the site selection and design process will be included in the Environmental Impact Assessment Report



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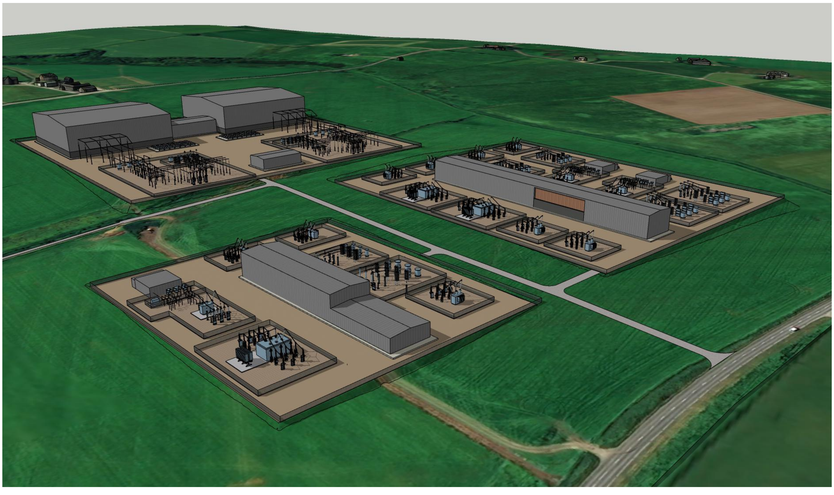
Onshore substation site 2

Onshore Substation and Visual Screening

The onshore substation will house electrical equipment (like transformers and switchgear), and possibly HVDC to HVAC converters. These are needed to connect the windfarm to the grid. It may be fully or partly enclosed, depending on design, environmental studies, and feedback from stakeholders. The site could be up to 15 hectares, with an extra 3 hectares used temporarily during construction. Some structures may reach up to 30 metres high.

To reduce visual impact, we plan to plant native trees around the site. This green screen will help the substation blend into the landscape, support local wildlife, and contribute to improved air quality.



Illustrative conceptual design for a partially enclosed substation site (without visual screening)

Illustrative conceptual design for a fully enclosed substation site (without visual screening)

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How we'll build MarramWind

Construction Overview

If consented, construction is expected to begin in the early 2030s. Due to the scale of the project, work will be delivered in phases, with onshore and offshore infrastructure installed sequentially.

- The onshore substation will be built in line with turbine installation and cable connections.
- Underground cables will be laid in a working corridor typically 89–99 metres wide, with wider sections (up to 350 metres) where specialist drilling is needed.
- Temporary compounds and access routes will support construction, and all land will be restored afterwards.
- At landfall, offshore cables will be buried using trenchless methods to minimise surface disruption

Ports & Offshore Works

Ports will play a vital role in building and maintaining the wind farm.

- Wind turbines will likely be assembled at ports and towed to site for anchoring.
- Offshore substations will likely be built near ports and installed using specialist vessels.
- Workers will stay onboard vessels during construction and maintenance.
- We're working with port operators and government bodies to explore options.

Onshore Infrastructure

- The substation site will include buildings, electrical equipment, drainage, landscaping, and access roads for construction vehicles.
- Large deliveries, such as transformers, will be managed via these routes.
- Accommodation needs for workers are still being considered, and any potential impact on local services will be assessed as part of the planning process.

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Feedback from Statutory Consultation 3

We've now completed three rounds of statutory consultation over 2024 and 2025, with approximately 350 people participating in our in-person events, virtual exhibition space, and online Q&As.

Our project team has reviewed and analysed the feedback from our latest round of consultation, held between 9 October and 19 November 2025. A summary of the feedback and our responses are included below.

Key theme	MarramWind response
Offshore infrastructure You asked why an onshore substation is needed	Electricity generated offshore must be transmitted to land to meet consumer and industrial demand. The grid connection point was selected by NESO through a national planning process to optimise efficiency and minimise additional onshore infrastructure.
Jobs & skills You highlighted the need for long-term job creation and training	We're working with educational institutions and training providers to promote careers in offshore wind. These efforts aim to build a sustainable local workforce that can support the project throughout its lifecycle.
Partnerships You suggested MarramWind work with the neighbourhood board and Port Authority	We're engaging with local organisations, including the neighbourhood board and Port Authority, to align our plans with community priorities. These partnerships help guide infrastructure development and ensure local voices are reflected in decision-making.
Traffic & construction You raised concerns about road capacity for construction traffic	We're working closely with Aberdeenshire Council to develop a comprehensive Traffic Management Plan. This includes identifying suitable access routes, scheduling deliveries to avoid peak times, using on-site storage to reduce trips, and encouraging car sharing among workers. These measures aim to minimise disruption and maintain road safety.
Land use, visual impact & noise Request to avoid farmland and use wasteland	We've selected a substation site with existing industrial features and fewer residential properties to reduce visual and noise impacts. A detailed landscape and visual impact assessment informs our design, including native planting to enhance screening. Construction noise will be temporary and managed through best practices.
Cumulative impact You asked about combined effects of substations and BESS sites	Our Environmental Impact Assessment evaluates cumulative effects from all associated infrastructure, including substations and Battery Energy Storage Systems. We will apply the mitigation hierarchy—avoid, reduce, offset—to manage environmental impacts. These strategies are documented in our Commitments Register and will be monitored throughout the project.
Fishing You asked about seabed disturbance and effects on crustaceans	We're designing offshore infrastructure to minimise seabed disturbance and protect marine habitats. Where feasible, cables will be buried to reduce impact. We're consulting with fishing groups to develop a Fisheries Plan that outlines mitigation measures and ongoing engagement to support the fishing community. We're also launching a creel study with other Peterhead developers to map crab and lobster fisheries and address fishermen's concerns about export cable impacts.
Wildlife and habitats You highlighted potential impacts	Our approach is informed by two years of ecological surveys. We aim to avoid sensitive habitats and schedule activities to minimise disruption during key breeding or migration periods. A Nature Positive Strategy will guide biodiversity enhancement, habitat restoration, and long-term monitoring to ensure positive outcomes for wildlife.

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Benefits and Opportunities of MarramWind

Local & Regional Benefits

MarramWind is committed to delivering long-term value for communities and businesses across North-East Scotland and the wider UK.

The project will

- Create opportunities for local businesses during construction and operation
- Invest in infrastructure, such as port upgrades, that benefit wider industry
- Establish a Community Benefit Fund to support local projects once operational

To help Scottish firms grow and participate in offshore wind, we've launched a £25 million Supply Chain Stimulus Fund. So far, over 90% of project spending has gone to UK companies, with 40% to Scottish businesses. We'll continue supporting local suppliers and update our Supply Chain Development Statement in 2026.

Supporting Businesses & Communities

Since 2022, we've raised awareness of opportunities through:

- Industry events and conferences
- An online supplier portal
- Collaboration with government and industry groups

We're actively engaging with businesses to understand future needs and guide investment in innovation and skills.

We're also developing a Socioeconomic Action Plan to create jobs, support local enterprise, and help communities build long-term wealth. Feedback is welcome to help shape a positive legacy.

Jobs, Skills & Community Benefit

Offshore wind will bring new job opportunities, especially for those transitioning from oil and gas. We're working with schools, colleges, and programmes like the National Energy Skills Accelerator to support STEM education and future energy careers.

Earlier consultations highlighted the importance of a Community Benefit Fund. We'll continue working with stakeholders to ensure it reflects local priorities and delivers meaningful support.

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Providing your feedback

We welcome your feedback on our proposals. You can share your views by:

- Using the feedback form within the virtual exhibition space on our website **www.marramwind.co.uk**
- Email us your comments at stakeholder@marramwind.com
- Write to us at FREEPOST MarramWind

This consultation will run from 30 October 2025 to 11:59pm 13 November 2025. Feedback received after the deadline may not be considered.

Consultation event

We're holding a public consultation event. Our team will be there to share more information and answer your questions.

The event is taking place on 3 November 2025 between 2-7pm at Longside Football Club, Davidson Park, Station Rd, Peterhead AB42 4GR

Next steps

All feedback will be reviewed and included in the Pre-Application Consultation report as part of our consent applications.

We plan to submit our consent applications at the end of 2025 to Aberdeenshire Council and the Marine Directorate who will determine whether to grant planning permission for the project. During the representation period of the determination, you will have further opportunity to comment on our proposals.

Staying updated

For the latest information on MarramWind:

- Visit our website **www.marramwind.co.uk**
- Follow us on X at **@MarramWind**, or
- Email us at **stakeholder@marramwind.com** if you have any questions