

# PROPOSAL AND BACKGROUND

## The Proposal

To connect Caledonia Offshore Wind Farm’s consented substation at Burnside with the planned new National Grid substation at Greens by underground cable.

Cable corridor approx 3km long

Up to 100m wide

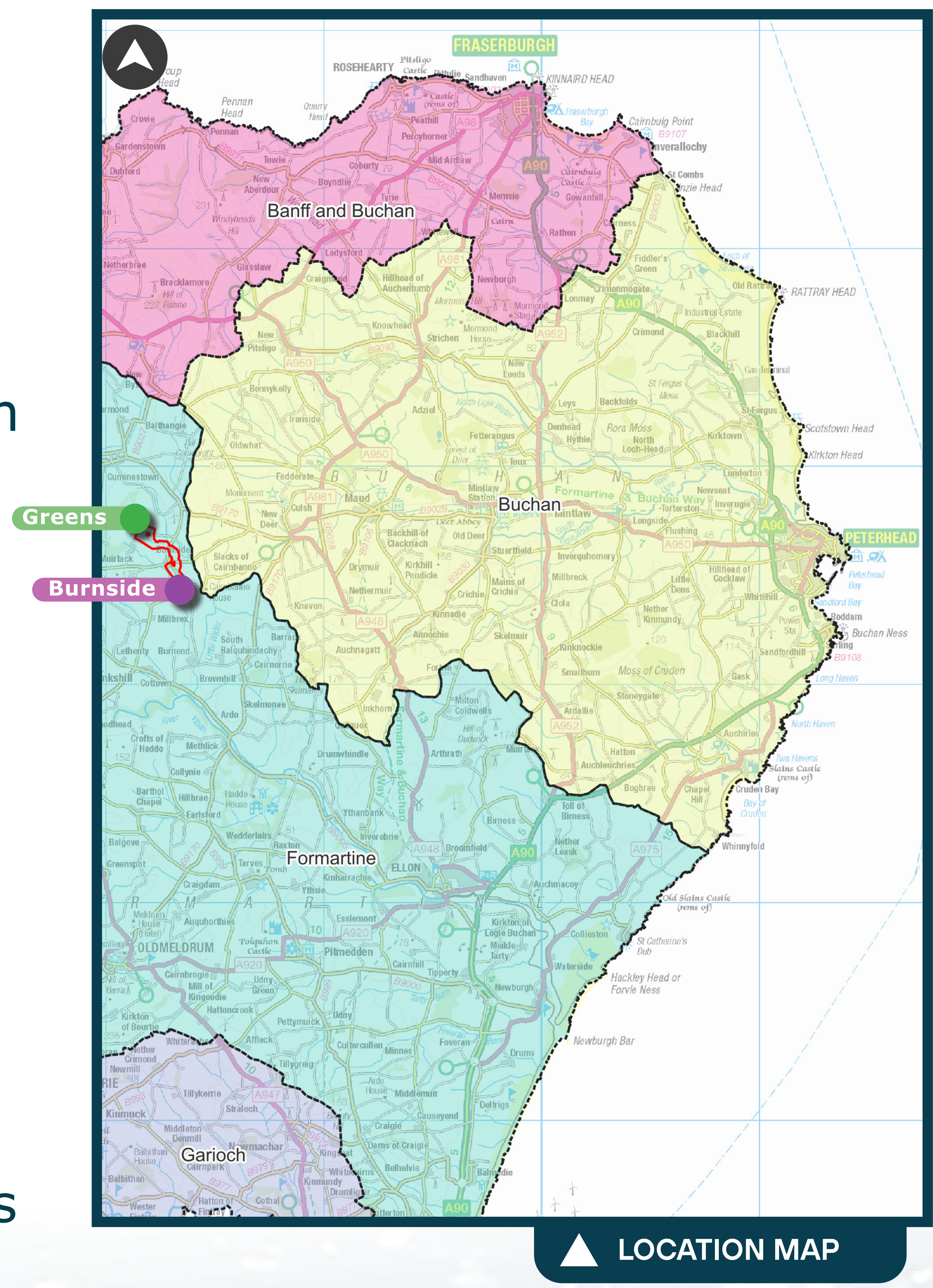
Up to four 400kV cable circuits

## Background

As part of the Scottish Government’s 2021 Scotwind process, Ocean Winds began development of the Caledonia Offshore Wind Farm. This included obtaining planning consent for an onshore substation at Burnside (July 2025).

Over the same period, the owners and operators of the National Electricity Transmission Grid made plans for the grid’s upgrade, including a new substation at Greens.

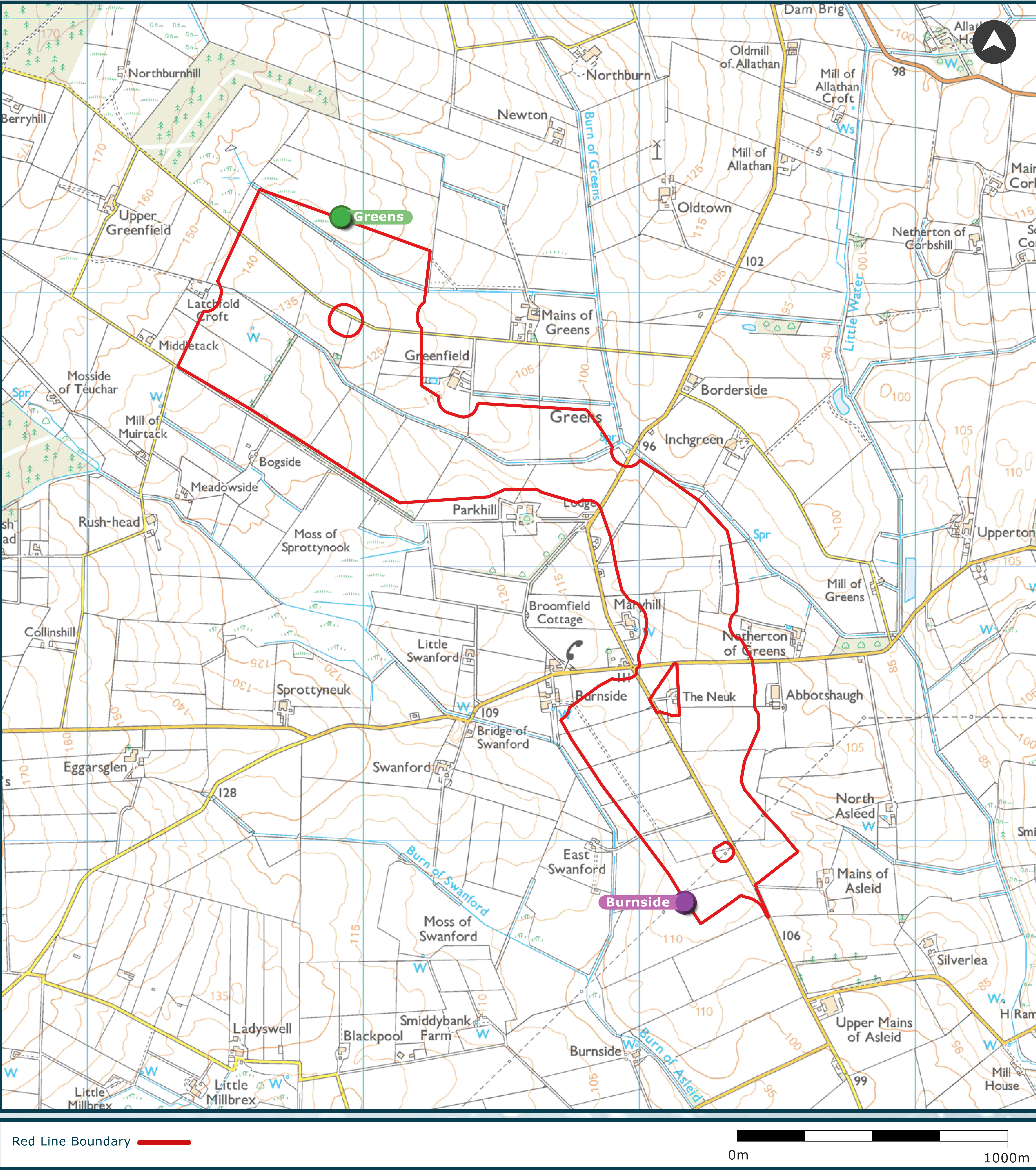
It was not initially expected that Caledonia would connect to Greens, but this has changed as a result of changes to the process which allocates grid capacity to new electricity generation. Caledonia therefore proposes to connect its substation at Burnside to SSEN-T’s planned substation at Greens by underground cable.





# SITE SELECTION

The Red Line Boundary indicates the broad search area within which the 100m wide cable corridor will be installed. The location of the cable corridor within the Red Line Boundary will be determined after environmental survey work and local engagement to inform the engineering process.





## YOU SAID / WE WILL



### YOU SAID



### WE WILL

#### Traffic and Transport Concerns

Produce a Traffic Management Plan to identify designated delivery routes, ensure safety and reduce disruption.

Review contracting arrangements to improve communication and collaboration across all parties.

Contractors to maintain the highest standards of vehicles, preventing the spread of mud and debris onto public roads.

Consider establishing an in-house 'spot team' to carry out rapid repairs.

Ongoing communication with other developers to coordinate and minimise disruption during construction.

#### Quality of Reinstatement Works

We will agree a reinstatement plan with the council detailing how we will reinstate the land, avoid pollution risks, and return it to its previous condition.

We will implement best practices and lessons learned from the Moray East and Moray West project experience.

We will manage our contractors to ensure reinstatement instructions are clearly understood and supervise works so they are effectively implemented.

#### Hydrology/ Drainage Management

Detailed Flood Risk Assessment undertaken once consent is granted.

Caledonia OWF is identifying Private Water Supply (PWS) sources. The findings will pinpoint at-risk sources and inform a detailed PWS Risk Assessment after consent to mitigate potential impacts.

#### Cumulative Impacts

Actively working with other projects, developers and SSER to mitigate potential cumulative impacts on communities and the environment.

#### Communication

Ongoing community engagement through the planning process from planning permission in principle through to full consent and then through construction.



# INFRASTRUCTURE AND WORKS

- A maximum working corridor 100m wide (to allow appropriate electrical separation and enables any necessary micro siting)
- A maximum trench depth of 1.5m (to allow agricultural work to continue above the cables)
- A maximum of four cable circuits (each circuit consisting of three single core cables typically in trefoil formation)
- Working voltage of 400kV
- A temporary construction corridor, including a temporary boundary fence, drainage ditches, temporary storage area and temporary haul roads. All to be reinstated after completion.
- If necessary, temporary traffic management measures to standards agreed with the local authority, including, where necessary, local upgrades.
- Full reinstatement will mean the infrastructure has no visual legacy or impact, except for the small roadside markers used for cable identification.





# NEXT STEPS

The application will be for Planning in Principle (PiP) – which means the council will be asked to approve the idea of the underground cables, not the exact details. If approved, the specific route would be decided later in the application process with Aberdeenshire Council; this is known as “Matters Specified by Condition” (MSC).

## INDICATIVE PROJECT TIMELINES

February 2025	Screening opinion
August 2025	Proposal of Application Notice (PoAN)
November 2025	Planning application submission
Q1/Q2 2026	Anticipated consent and planning permission with conditions granted
2026	Pre-construction ecological surveys
2027	Detailed design and discharge of MSC
2028	Start of Construction



Visit project website

[www.caledoniaoffshorewind.com](http://www.caledoniaoffshorewind.com)