

# Outer Dowsing Offshore Wind Community Liaison Group

February 2023

# Agenda

## Outer Dowsing Offshore Wind - CLG

<u>Item:</u>	<u>Timing (approx.)</u>
1 Coffee and tea	10 mins
2 Chair's welcome and introductions	10 mins
3 Feedback from Consultation Events	10 mins
4 Project Update - Alternative cable route option and further consultation	10 mins
5 Key Feedback and Our Response	20 mins
4 Question and answer session / discussion on future topics	20 mins
5 AOB	5 mins
6 Chair's closing remarks and next steps / next meeting	5 mins

# A quick reminder of what we hope to achieve with these Community Liaison Groups...

## Our Aims ...

- To **involve key local stakeholders** in the design and development of the Outer Dowsing Offshore Wind project (landfall, onshore cable route and substation) through presentations, discussions and planned workshop activities.
- To act as a **two-way communication channel** between local communities and the project team.
- To help **foster local involvement and ownership** of the project.

To facilitate focused discussions and ensure attendees can make the most out of the CLG's – it is intended for these groups to be focused on concerns/ issues / thoughts relative to their specific **local area.**

# Welcome

## Outer Dowsing Offshore Wind

Welcome to our second phase of Community Liaison Groups. Thank you very much for joining us this evening.

A little reminder of who we are...

The Project is a proposed offshore windfarm located **approximately 54 kilometres off the coast of Lincolnshire, England.**

The project comprises of a **1.5 GW** offshore generating station, and offshore and onshore transmission infrastructure. Outer Dowsing Offshore Wind is being developed by **Corio Generation** (a wholly-owned Green Investment Group portfolio company) and **TotalEnergies.**



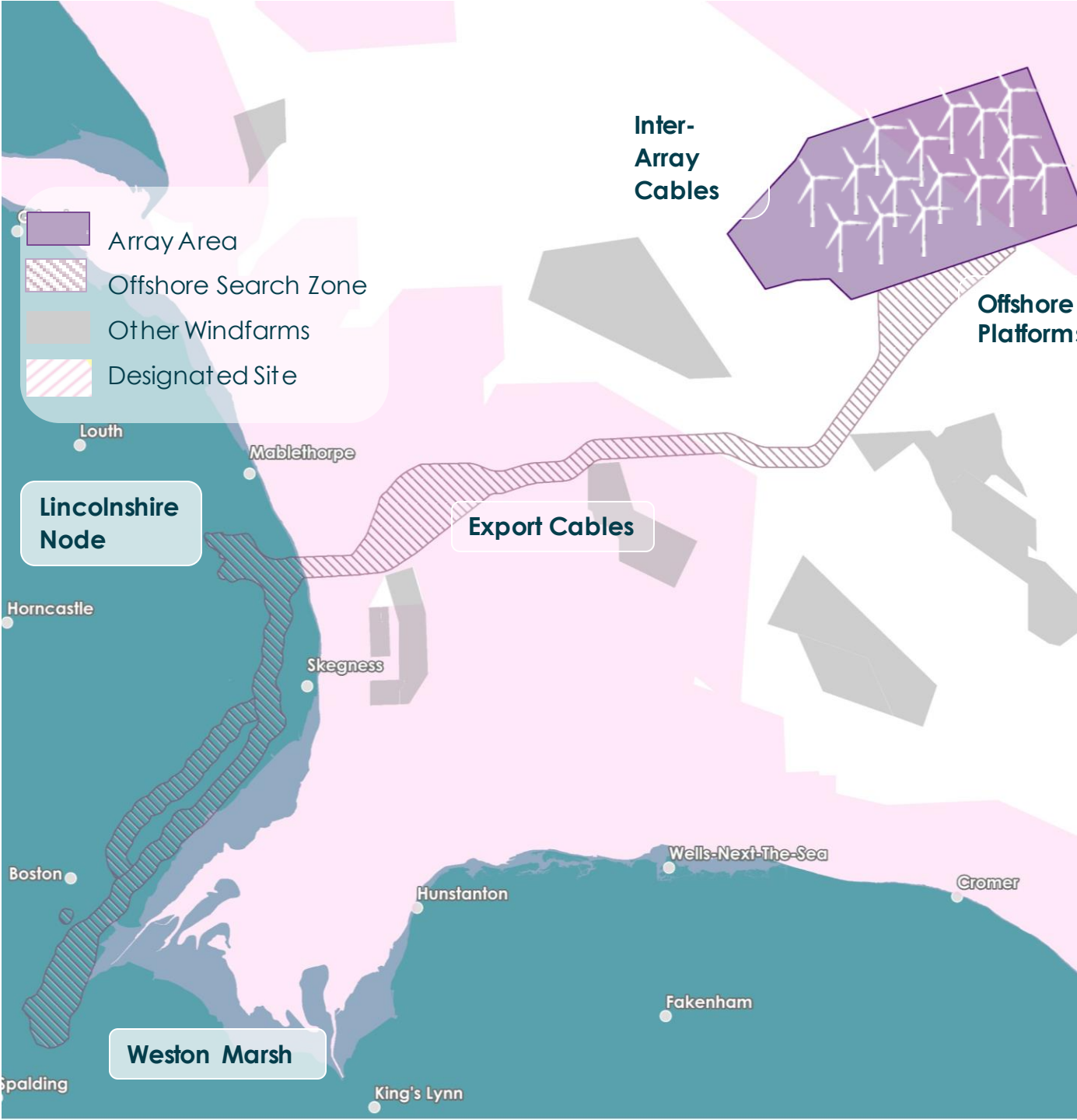
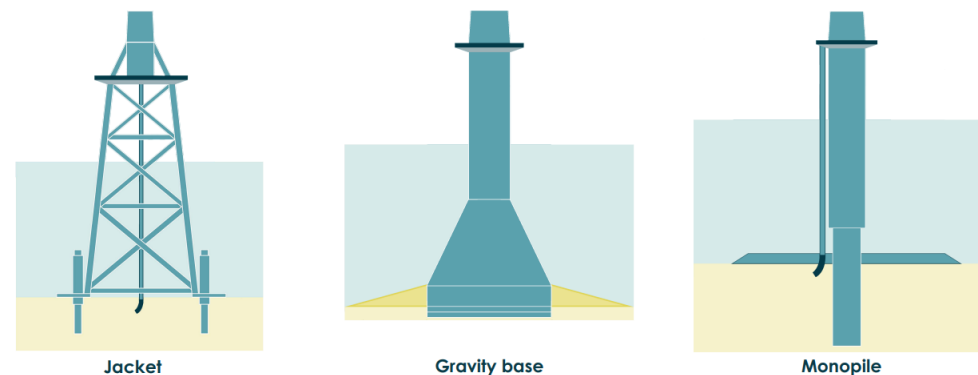
# Our Offshore Proposal

The offshore elements of The Project consist of an offshore wind turbine array, located approximately 54 km east of the Lincolnshire coast, along with offshore platforms, and export cables and array cables to connect the electricity generated to the National Grid.

## Wind Turbine Array Area

The Project design envelope allows for a maximum of 100 wind turbines, with a maximum tip height of **403m LAT (m)**.

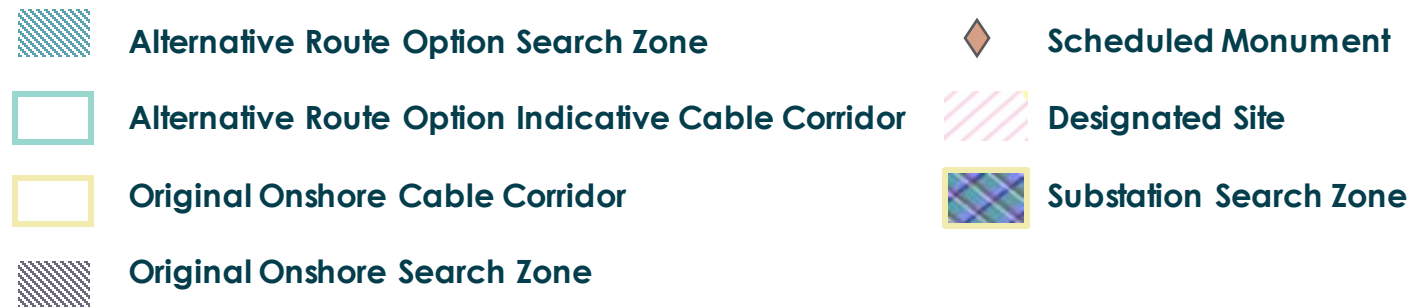
## Typical Foundation Types



# Our Onshore Proposals (& Project update)



- Landfall **south of Anderby Creek** (there is only one landfall search zone as this has been assessed as the optimum search zone for both connection options);
- Underground cables would continue underground to **one of two different connection points** still under consideration by National Grid;
- a connection to the **existing overhead line circuits at Weston Marsh** (north of Spalding) or;
- to a **proposed new National Grid connection point, Lincolnshire Node**, (east of Alford).



# Gathering environmental data

## Onshore Surveys

- Ornithology – wintering bird surveys
- Ecology – Phase 1 Habitat surveys & protected species surveys
- Archaeology – geophysical and trial trenching investigations
- Engineering – geotechnical, topographical, soil thermal resistivity
- Traffic & Transport – traffic counts
- Visual – photomontages of substation
- Geology & hydrology – flow rates, filtration, drainage
- Aerial Photography – Hi-res aerial imagery, vegetation survey and Lidar
- Meteorology – weather & climate



## Offshore Surveys

- Geophysical & Geotechnical
- Metocean & wind resource
- Ornithology & Marine Mammals
- Benthic ecology
- Marine Traffic Surveys



# Onshore Geotechnical Survey

## Scope

- Up to 25 Geotechnical boreholes (15-30m deep)
- Trial Pits (3m x 2m)
- Cone Penetration Tests (CPTs)

## Programme

- End March - ~6 weeks

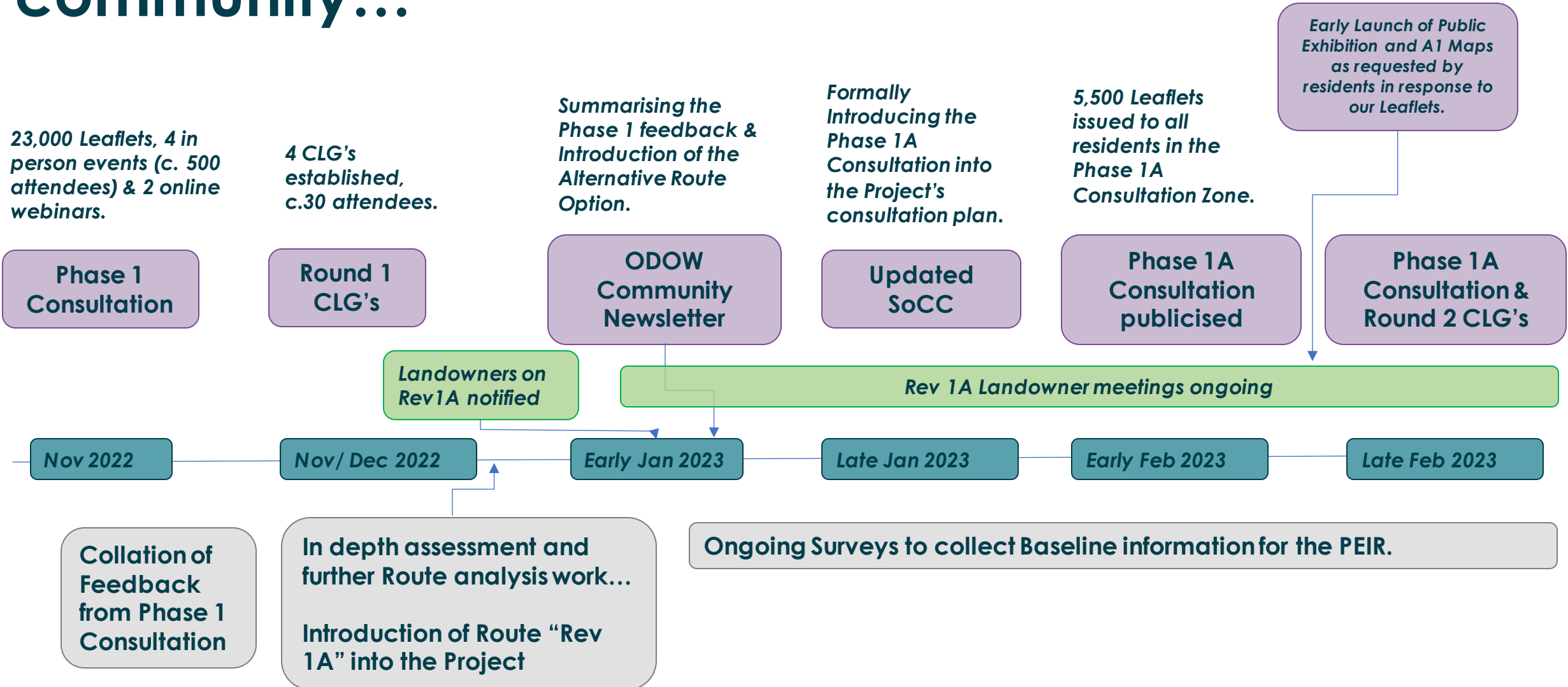
## Stakeholder Engagement

- Natural England
- Lincolnshire Wildlife Trust
- The Crown Estate
- ELDC, LCC & Parish Councils
- Site Notices for beach at Wolla Bank
- Access arrangements
- Intrusive Survey Licenses from landowners



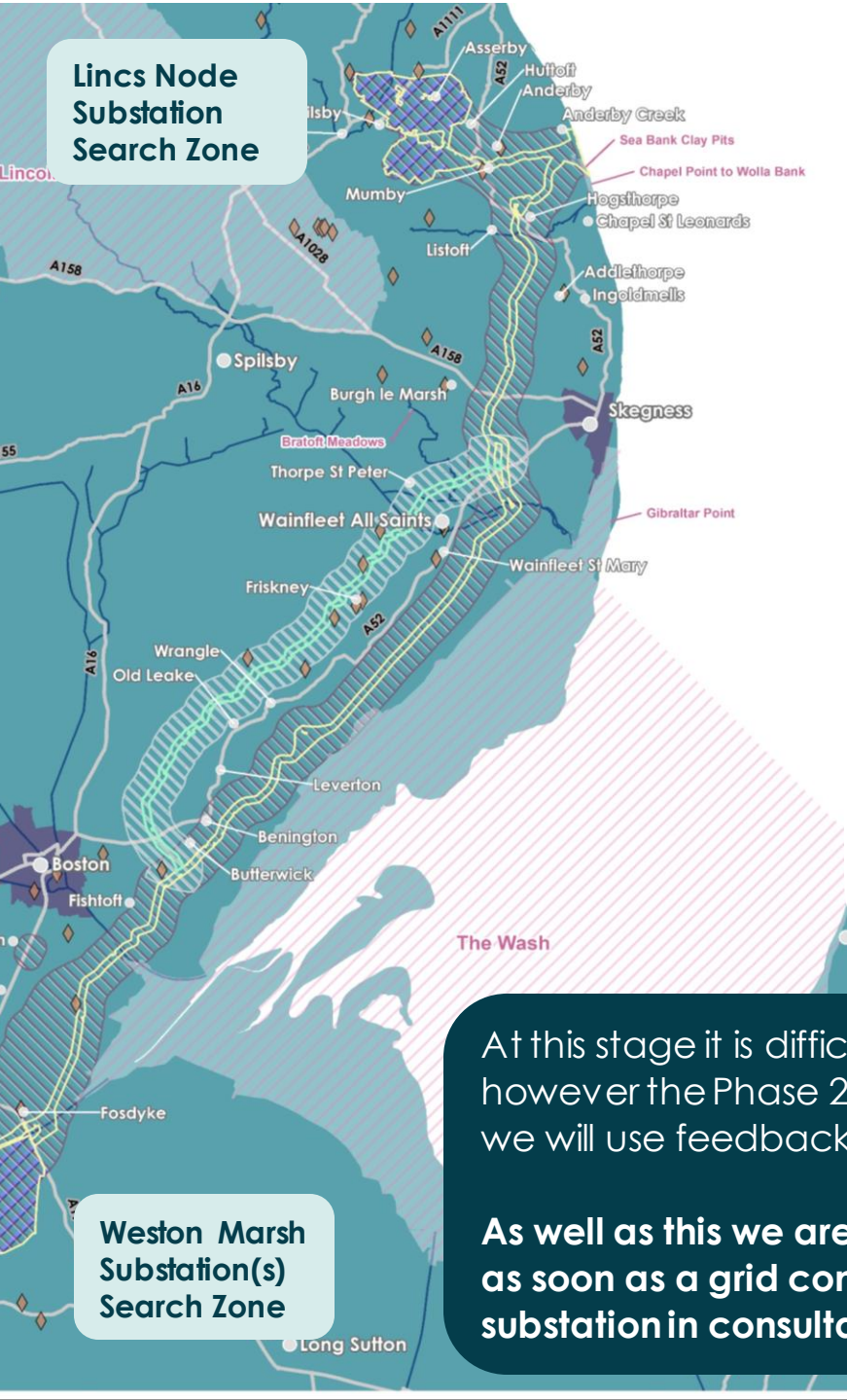


# How are we informing the local community...



# Our Onshore Substation(s) Search Zones

Lincs Node Substation Search Zone



Until we have secured a final grid connection, we currently have **two search zones** for the onshore substation & associated infrastructure required to connect to the National Grid transmission system.

## Weston Marsh connection option

- Here there would be the Outer Dowsing substation & a National Grid Customer Substation. Some overhead line modifications will be required at, or near to, the ODOW/National Grid substation(s) to facilitate the connection of our project at this location.

## Lincolnshire Node connection option

- Here there would be the Outer Dowsing substation & we would be connected to the planned National Grid wider reinforcement works, this is likely to require a larger footprint, however the details of these plans are not yet known.

Weston Marsh Substation(s) Search Zone

At this stage it is difficult to know exactly what the substation(s) will look like due to the number of unknowns, however the Phase 2 Consultation phases will include **Visualisations** of theoretical Worst-Case Scenario's and we will use feedback from this to help inform the aspects of the design that will go into the Application.

As well as this we are proposing to establish an "Onshore Substation Working Group", we aim to establish this as soon as a grid connection for the Project is confirmed and we can progress the designs for the onshore substation in consultation with the community who are local to it! What do you think?

# Landfall



The cables at the Landfall at Anderby Creek will be facilitated through the use of **horizontal directional drilling (HDD)** to install ducts within which the offshore power cables can be installed and joined to the onshore cables at a transition joint bay onshore.

What does this mean? This means that the project will be drilling underneath the beach, the dunes, Anderby Marsh LNR and the coastal (Roman Bank) road.. The drill compound will be located on the western side of the coastal road (Roman Bank), ensuring minimal interaction with the beach and the Coastal Country Park.

We are consulting with the below Nature Conservation Bodies and organisations to see how we can achieve Biodiversity Net Gain as part of our project, ensuring our efforts are put to work locally and that our project has minimal adverse impacts, and the overall outcome is positive with maximum gain for the local area.



We want to learn and work together to ensure we develop our proposals for the landfall in the best way we can, minimising disturbance and impacts to the communities as much as possible and possibly even working together to achieve the biodiversity ambitions of the Coastal Country Park.

# What have we been doing?

## Key Feedback and Our Response

- **Experiences from Viking Link & Triton Knoll:**

**Update:** We are reviewing the experiences on both Triton Knoll and Viking Link. We are also ensuring that all feedback from the community is fed back to our technical teams and discussed as part of our Expert Technical Groups (ETG's) with all relevant stakeholders.

- **Grid connection Location (Lincs Node or Weston Marsh)**

**Update:** We have been having regular meeting with National Grid and we have been advised we should be getting a confirmed grid connection offer by Spring.

- **Concerns on Original Route to Weston Marsh (Agricultural Practices, "Running Sands" and High water table)**

**Update:** Introduction to the Project Design Envelope of an Alternative Route Option, that avoids the majority of this area without significantly impacting the cost of delivery (i.e. increasing the length of the cable route by a significant margin).

- **Temporary impact on agriculture & restoration**

**Update:** We have met with over 300 landowners and established Landowner Interest Groups.

- **Archaeology (The Salterns)**

**Update:** We have been meeting with the County Council Archaeologist to discuss the results of our desk-based assessment and proposed approach to non-intrusive surveys through 2023.

- **Community benefit engagement and Biodiversity Net Gain**

**Update:** We have been meeting with a number of key stakeholders to discuss potential collaborations from both a Community and Biodiversity Perspective.

- **Useful information & feedback for substation search zones**

**Update:** We are progressing with some visualisations for our Phase 2 Consultation for some specific candidate substation sites and configurations. We want to be as transparent as possible with the community and get their feedback on these options.

- **Concerns for cumulative impacts for future projects – planning coordination**

**Update:** We are regularly updating our planning system to ensure any known projects are included in our Cumulative impact Assessment.

# Q&A

Thanks for joining us this evening!  
We really appreciate your time  
and feedback.

