

Our proposals



Our proposals include building a new 400,000 volt (400 kV) electricity transmission line over a distance of approximately 140 km and five new 400 kV substations.

The reinforcement would run between a new substation next to our existing Grimsby West substation in North East Lincolnshire and a new substation near our existing Walpole substation in Norfolk. Three additional new connection substations are also required along the route.

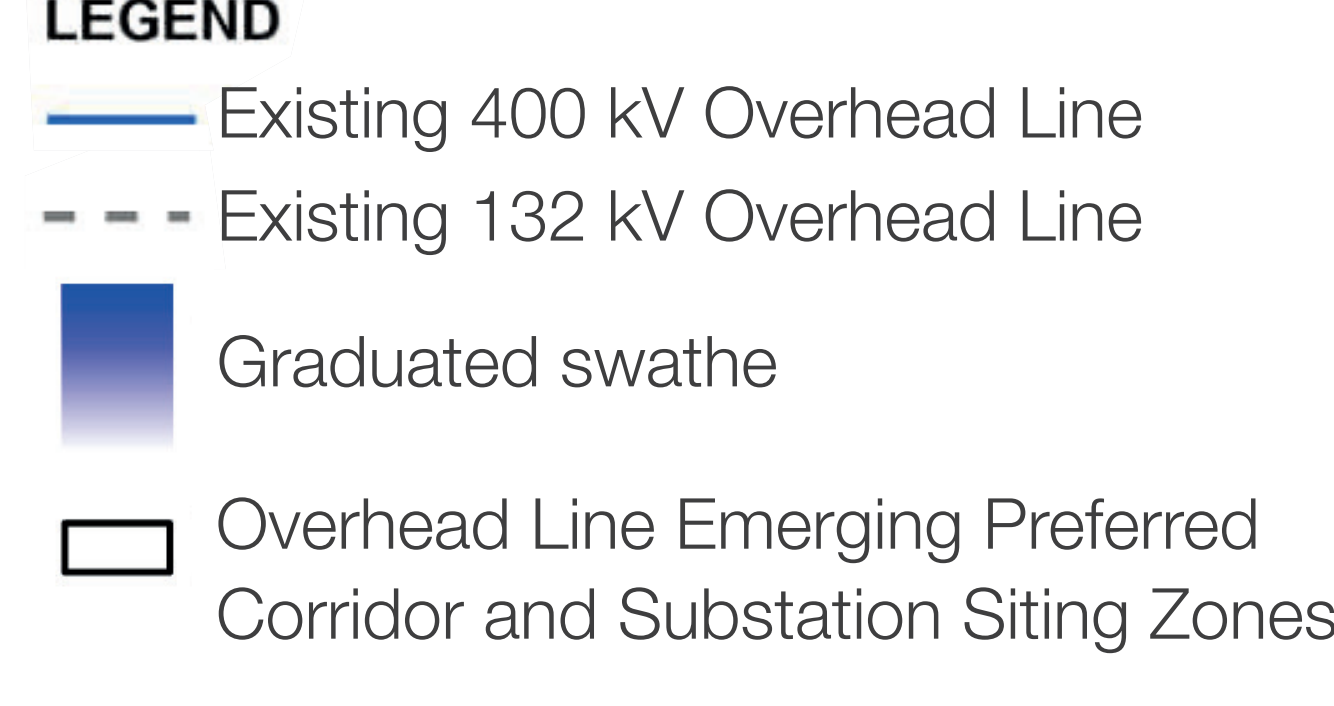
We have identified an emerging preferred corridor within which the new overhead line could be routed. We have also developed a blue-shaded 'graduated swathe'. This shaded area is darker where an alignment is more likely, when considering environmental factors and identified constraints, and is lighter where it is less likely.

This swathe remains indicative until more detailed assessment work is done. New pylons and conductors (electrical wires) would be located along the overhead line route. Traditional 400 kV lattice steel pylons, typically around 50 metres in height, are being considered as a starting position.

Where the new overhead line would interact with existing overhead lines, short sections of undergrounding of the existing lines may also be needed.

Our emerging preferred corridor has been split into 11 sections covering ten local authority areas. Please speak with a member of the team if you are unsure which section is most relevant to you.

From our engineering and environmental assessments, we have identified an emerging preferred corridor for the new reinforcement.



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Shaping our proposals

This is our first stage of consultation – about our early proposals. Your views will help shape our plans as we consider the feedback from this consultation and develop more detailed proposals.

A further stage of consultation will be held in 2025. We will consider all the feedback we receive as we continue to shape our plans, before applying for consent to build and operate Grimsby to Walpole.

Grimsby to Walpole is a Nationally Significant Infrastructure Project, which means an application for a Development Consent Order will need to be prepared and submitted to the Planning Inspectorate. Ultimately, the Secretary of State for Energy Security and Net Zero will be responsible for making the final decision on the application.

As we develop our plans, we carry out environmental surveys. We report on these when we apply for consent. We use best practice environmental impact assessment techniques to assess the possible effects of our work on the environment and identify opportunities for mitigation measures.

We also liaise closely with other major infrastructure projects in the area to understand how our proposals interact. We are committed to exploring opportunities to coordinate and minimise potential impacts on local communities and the environment.

Working with local stakeholders, we will develop and deliver landscaping and biodiversity net gain proposals, construction and environmental management plans, and a social value strategy that ensures we leave a lasting positive legacy and deliver community benefits in the areas that host our infrastructure. We will outline more about that at the next stage of consultation.

