

East Anglia Green Energy Enablement (GREEN)

Community newsletter
April 2022

National Grid is consulting on proposals to reinforce the high-voltage electricity transmission network from Norwich Main substation in Norfolk, to Bramford substation in Suffolk, on to Tilbury substation in Essex, as well as a proposed connection substation to connect new offshore wind generation.

We need to reinforce our network in East Anglia to connect new sources of green energy to the network. The reinforcement will support the UK's ambitions for our country to be a global leader in clean energy. Our proposals include building a new 400,000 volt (400 kV) electricity transmission line over a distance of approximately 180 km and a new 400 kV connection substation.

The reinforcement would comprise mostly overhead line (including pylons and conductors – the 'line' part) and underground cabling through the Dedham Vale Area of Outstanding Natural Beauty (AONB) and a new 400 kV connection substation in the Tendring District.

It is important that we hear the views of local people. Knowing what matters to you, matters to us. Our consultation opens on Thursday 21 April 2022 and the deadline for feedback is 16 June 2022.

About National Grid

National Grid is working to build a cleaner, fairer, and more affordable energy system that serves everyone, powering the future of our homes, transport, and industry.

National Grid Electricity Transmission owns, builds, and maintains the electricity transmission network in England and Wales.

Why is East Anglia GREEN needed?

The Government has set a commitment to reach net zero greenhouse gas emissions by 2050 and an ambition to connect 40 GW of offshore wind by 2030 – enough energy to power every home in the country.

With new offshore wind generation, a new nuclear power station at Sizewell C and greater interconnection with countries across the North Sea being proposed, there will be a huge increase in the amount of renewable and low carbon electricity generation connecting along the East coast.

While our existing high voltage electricity network in East Anglia has been sufficient until today, it doesn't have the capability needed to reliably and securely transport all the energy that will be connected by 2030, while working to the required standards.

The existing network in East Anglia currently carries around 3,200 megawatts (MW) of electricity generation. Over the next decade we expect more than 15,000 MW of new generation and 4,500 MW of new interconnection to connect in the region.

There are already works underway to upgrade the existing transmission network in East Anglia. However, even with these upgrades in place, our network will not have sufficient capacity to accommodate this new generation.

Our public consultation

East Anglia GREEN is classified as a nationally significant infrastructure project and we will need to obtain 'development consent' under the Planning Act 2008.

We will submit a consent application to the Planning Inspectorate, who will consider it and make a recommendation to the Secretary of State. The minister will decide on whether development consent should be granted for the project.

We want to ensure that all stakeholders are engaged in the development of our proposals and have the opportunity to comment on the proposals at key decision making points. We want to hear your thoughts on our proposals and your feedback will be carefully considered as we develop our plans further.

We will hold a further public 'statutory' consultation before we finalise our plans. We will report all feedback and our responses to your comments in a Consultation Report which will be submitted with our application for development consent.



Have your say

**Our consultation is running from 21 April 2022 until 16 June 2022.
You can take part in the consultation in the following ways:**



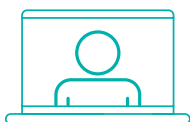
Attend a public exhibition

Come along to one of our face-to-face public exhibitions.



Book video or telephone appointment to an 'ask the experts' session

Book an individual appointment to speak to our expert team online, over the phone, or by email.



Attend a webinar

Join one of our online webinars by registering on our project website, over the phone, or by emailing us.



Complete a feedback form

You can do this online or by posting it to **Freepost East Anglia GREEN** (no stamp or further address required). Please get in touch to request a paper copy of the feedback form or you can collect from an information point.

Public exhibitions

Date and time	Venue	Date and time	Venue
Thursday 28 April 12-6:30pm	Ingatestone and Fryerning Community Centre 7 High Street Ingatestone CM4 9ED	Tuesday 17 May 12-7pm	Holton St Mary Village Hall Holton St Mary Hadleigh CO7 6NW
Wednesday 4 May 12-6:30pm	Witham Public Hall Collingwood Road Witham CM8 2DY	Wednesday 18 May 12-7pm	Burstall Village Memorial Hall, Burstall Ipswich IP8 3DR
Saturday 7 May 10am-4pm	West Bergholt Orpen Memorial Hall 45-57 Lexden Road West Berghol CO6 3BG	Saturday 21 May 1-6pm	Laindon Community Centre Aston Road Laindon SS15 6N
Monday 9 May 12-7pm	Chadwell Village Hall Waterson Road Chadwell St Mary RM16 4NX	Tuesday 24 May 11am-5:30pm	Writtle Village Hall, 18 The Green Writtle Chelmsford CM1 3DU
Wednesday 11 May 1-6:30pm	Mulbarton Village Hall The Common Mulbarton NR14 8AE	Friday 27 May 1-7pm	Needham Market Community Centre School Street Needham Market IP6 8BB
Saturday 14 May 10am-4pm	The Palgrave and District Community Centre 10 Rose Lane Palgrave IP22 1AP	Saturday 28 May 10am-4pm	Lawford Venture Centre Bromley Road Lawford Maningtree CO11 2JE

Public webinars

Date and time	Topic	Date and time	Topic
Friday 22 April 2pm	Overview of project	Friday 13 May 10am	Our proposals in Thurrock District
Saturday 23 April 10am	Overview of project	Thursday 19 May 2pm	Our proposals in Mid Suffolk District (and Babergh District north of Bramford substation)
Monday 25 April 7pm	Overview of project	Friday 20 May 10am	Our proposals in Braintree District
Tuesday 26 April 2pm	Our proposals in South Norfolk District	Wednesday 25 May 2pm	Our proposals in Basildon and Brentwood Districts
Friday 6 May 10am	Our proposals in Babergh, Tendring and Colchester Districts	Wednesday 8 June 2pm	Overview of project
Tuesday 10 May 2pm	Our proposals in Chelmsford District	Thursday 9 June 7pm	Overview of project

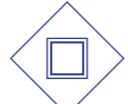
What do our proposals include?



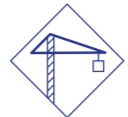
Overhead lines and pylons for most of the route of the reinforcement



Underground cables where we pass through the Dedham Vale AONB



New substation on the Tendring Peninsula to connect new offshore wind farms



Works at existing substations to connect in the new reinforcement

We have carried out engineering and environmental assessments to consider where we could build new infrastructure. Our considerations have included:

- biodiversity and ecology
- historic environment
- landscape and visual impacts
- engineering aspects.

From these assessments, we have identified a preferred corridor for the new reinforcement and a preferred site for the substation. They are shown on the map.

We have developed a 'graduated swathe' to highlight where we think it most likely that new infrastructure could be sited within the preferred corridor.

To help make our proposals more relevant to local communities, we have split the route into sections. The sections are identified by district council areas to make it easier to find information and feedback on the areas of interest to you.

We welcome your feedback on how we have identified our preferred corridor and the preferred site for the connection substation. We are seeking comments on the graduated swathe and any features within any sections of the route of interest to you.



Pylons

For most of the route, we are proposing to build a new overhead line supported by steel lattice pylons.

Steel lattice pylons are the most common pylons that you see in the landscape and would be approximately 45-50m in height.

Existing substations

We need to carry out work to connect the new line into the existing substations at Norwich Main, Bramford and Tilbury.

At points where the corridor splits

We are considering which route would be most appropriate here and welcome any feedback on things we should consider when making decisions on the route in these areas.

Dedham Vale AONB

A route around the AONB would be approximately twice the length of the more direct alignment and would need to cross the Stour Valley Project Area.

After careful consideration, we are proposing to take a more direct route through the AONB, and to use underground cables here to reduce any landscape and visual effects of our infrastructure.

East Anglia connection substation

We need to build a new substation in the Tendring District to connect new offshore wind farms.

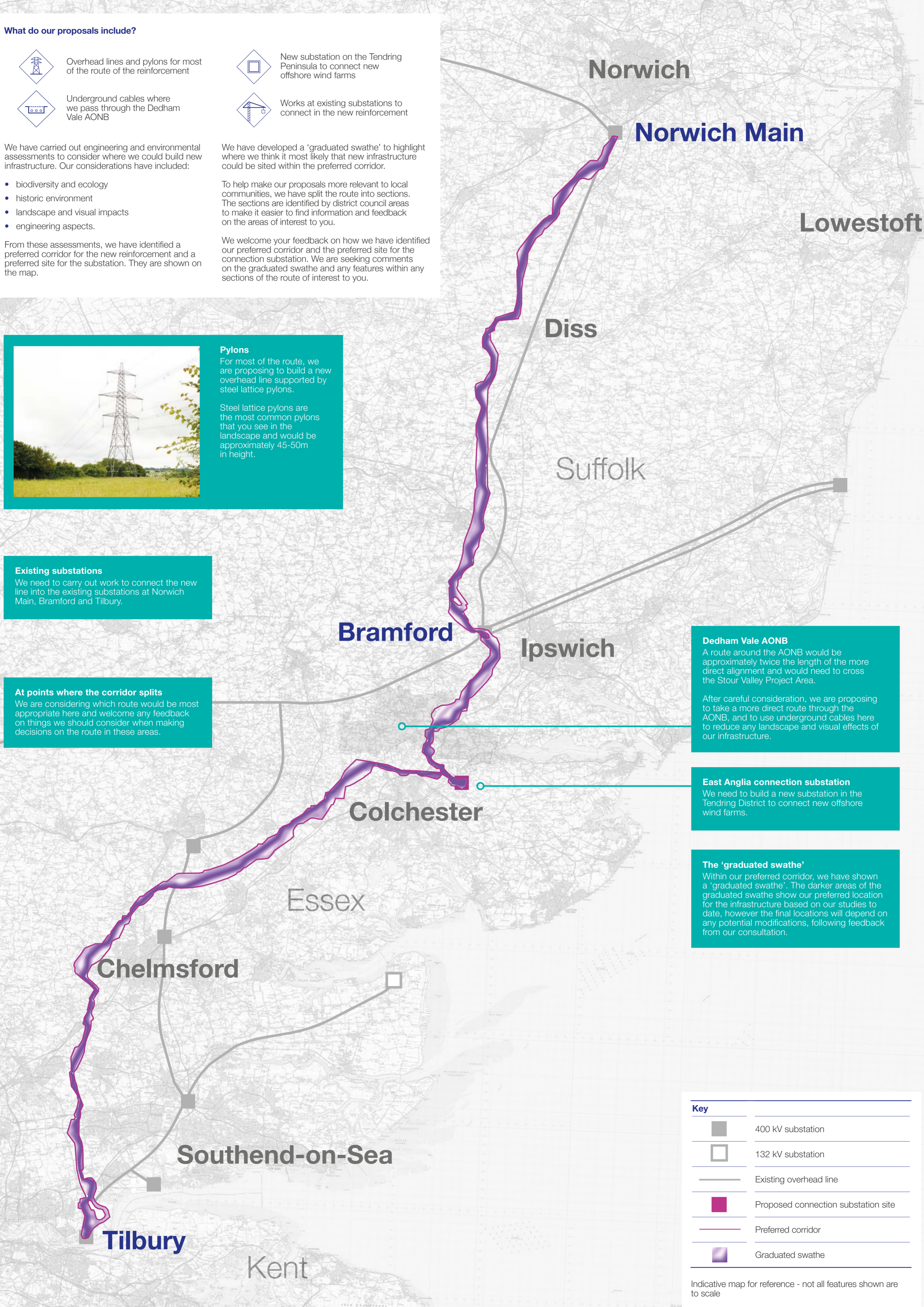
The 'graduated swathe'

Within our preferred corridor, we have shown a 'graduated swathe'. The darker areas of the graduated swathe show our preferred location for the infrastructure based on our studies to date, however the final locations will depend on any potential modifications, following feedback from our consultation.

Key

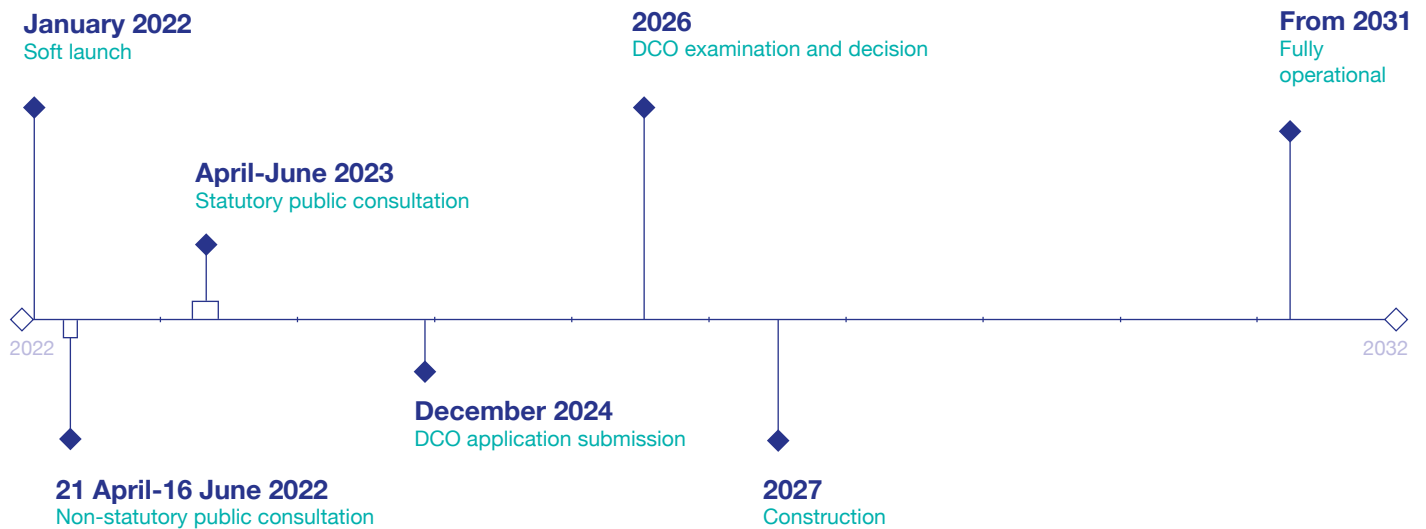
- 400 kV substation
- 132 kV substation
- Existing overhead line
- Proposed connection substation site
- Preferred corridor
- Graduated swathe

Indicative map for reference - not all features shown are to scale



Project timeline

We need to build the new reinforcement by 2030 to transport new electricity coming into the East Coast.



Where to find out more

We have published more detailed information on our project:

- **Project background document** - an overview of the project, why we need to build it and how we have developed our proposals this far.
- **Preliminary Corridor Routing and Substation Siting report** - a detailed account of how we have identified a preferred corridor for the overhead lines and cables, a preferred site for the connection substation and the graduated swathe, including the options we considered.
- **Interactive map** - to show more detail of the preferred corridor and graduated swathe.

They are all available on our project website. Reference copies of the project background document are on display at information points, such as some local libraries and other community locations from 21 April 2022.

For locations and opening hours, please see our project website or contact us using the details below.

Contact us

nationalgrid.com/east-anglia-green
 0800 151 0992
EastAngliaGREEN@nationalgrid.com

Call us to request paper copies of the materials.



Please scan to be directed to an interactive map which shows more details of the preferred corridor.

