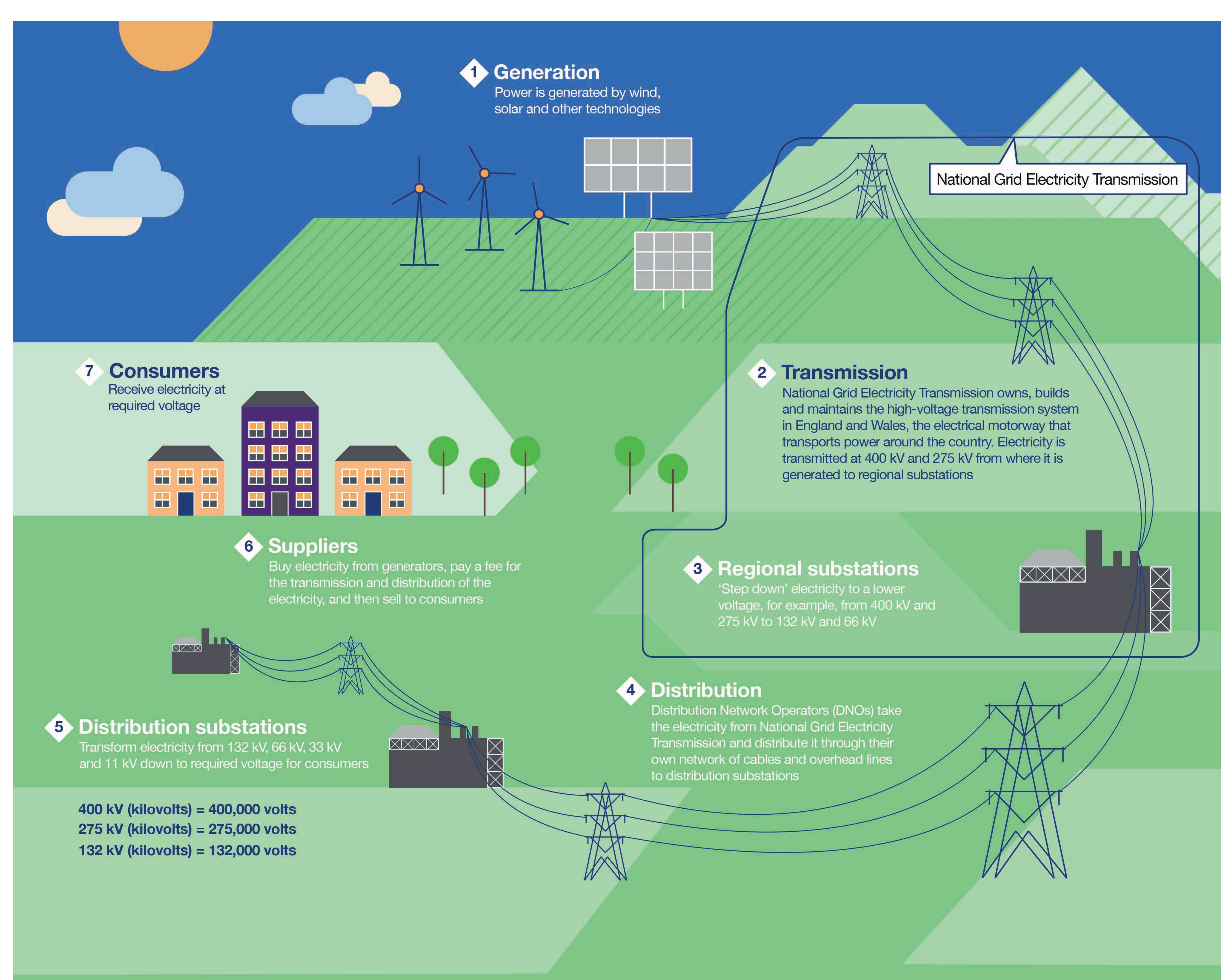


# Welcome

The way we generate electricity in the UK is changing rapidly, and we are transitioning to cheaper, cleaner and more secure forms of energy like new solar farms.

The electricity transmission network transports electricity in bulk around the country, from solar farms, wind farms and other sources of generation. It then goes on to separate lower voltage distribution networks, who deliver the energy to homes and businesses.





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# National Grid Electricity Transmission



**In England and Wales, the electricity transmission network operates at high voltage – 400,000 volts (400 kV) or 275,000 volts (275 kV) – and is owned and maintained by National Grid Electricity Transmission (NGET). Every time a phone is plugged in, or a switch is turned on, we've played a part, connecting you to the electricity you need.**

We need to make changes to the network of overhead lines, pylons, cables and other infrastructure that transports electricity around the country, so that everyone has access to the clean electricity from these new renewable sources. Our consultation on a new substation in the area is open from **Wednesday 18 September 2024** to **Wednesday 16 October 2024** and we would like to hear your feedback on the proposals.



**Indicative visualisation of the substation**



# Navenby Substation

**National Grid Electricity Transmission is consulting on proposals to build a new substation in the local area, approximately 1.4km from Navenby, Lincolnshire.**

There is a shift towards renewable energy sources, meaning there is greater demand on our network to connect new sources of electricity and customers. The proposed substation at Navenby is in response to the increase in connection requests and increased consumption of electricity that will continue to grow. In the Navenby area a large number of organisations have requested new power connections from National Grid, and as a regulated business, we have a legal obligation to meet these requests.



**Indicative visualisation of the substation**



# Navenby Substation

**To connect several proposed solar farms in the area, including Springwell Solar and Fosse Green Energy, a new 400 kV substation is needed. It is not possible to connect everything proposed in the area to existing regional substations.**

We have identified this site as the best option from a list of evaluated sites in the local area, taking into consideration the impact on the local community, environmental factors, accessibility and other key measures.

This event provides details of our project and there is an opportunity to provide feedback, which we will consider before submitting our planning application later this year to North Kesteven District Council.



**Current view of the site, looking east from High Dike**



**Indicative view of the site looking east from High Dike (year 10)**

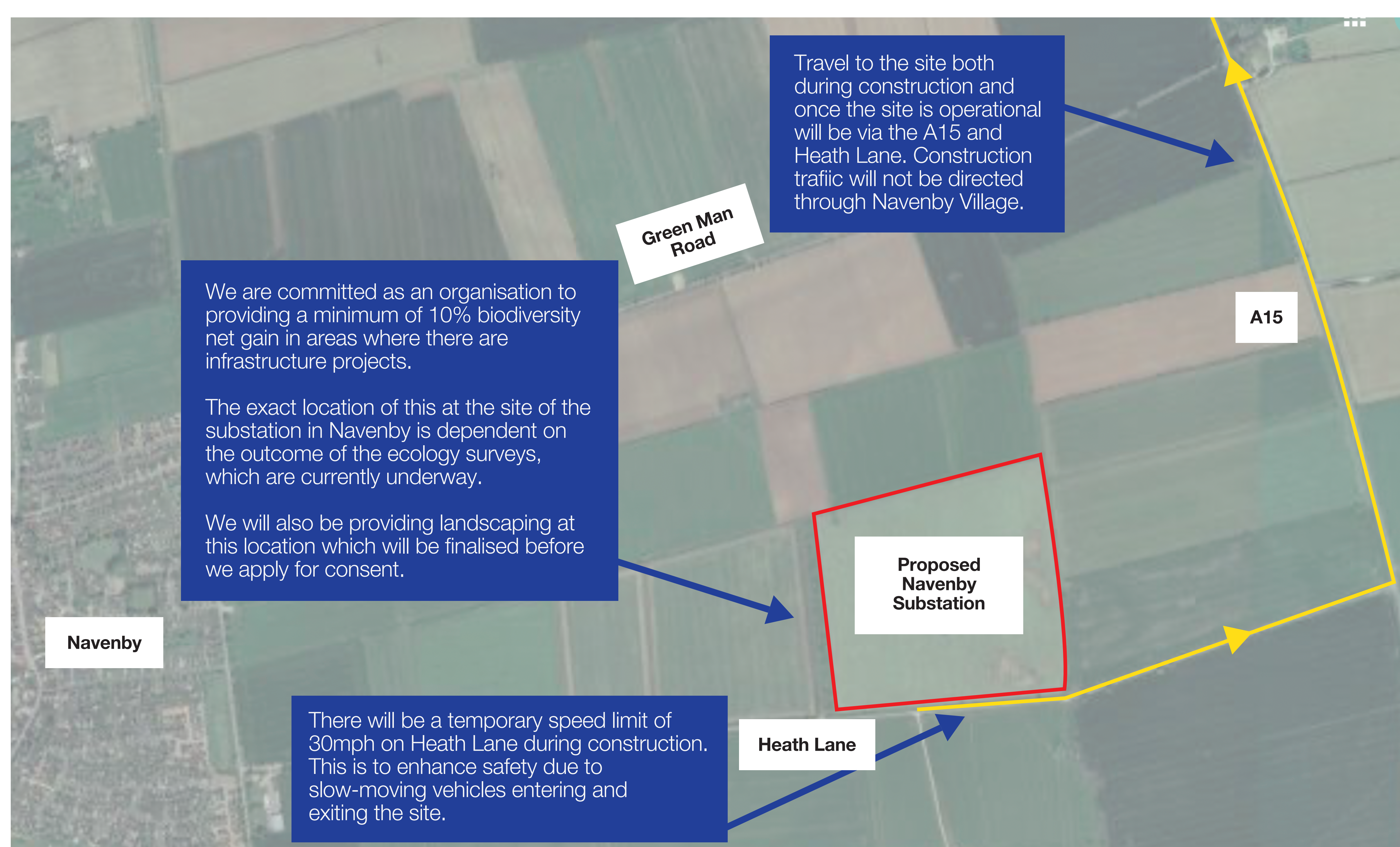


# The plans

## The proposed substation will be located to the north of Heath Lane, with access from Heath Lane.

The substation will be set back from the road and cover approximately 32 acres. It will be an ‘open air’ substation, and the equipment on site will be a maximum height of 15 metres. Four new pylons will also need to be constructed as part of the plans, and two existing pylons will be dismantled.

Travel to the site, both during construction and once the site is operational, will be via the A15 and Heath Lane. Construction traffic will not be directed through Navenby village. There will be a temporary speed limit of 30mph along Heath Lane during construction, this is to enhance safety due to slow-moving vehicles entering and exiting the site. We will provide clear signage to make sure our construction traffic uses the agreed route and we will emphasise to our employees and contractors the special care that they need to take when driving to and from the substation.



Indicative Traffic Management Plan



# How we selected the proposed location



**We have identified this site as the best option through a formal substation siting study, where five possible sites were shortlisted.**

From these five evaluated sites in the local area, a rigorous optioneering process was carried out, taking into consideration the impact on the local community, proximity to the existing overhead line to reduce the need for new pylons, environmental factors, land availability and other key measures. Through consideration of all of these factors, the site 1.4km from Navenby was selected as the most suitable location.



**Current view of the site, looking north east from High Dike**



**Indicative view of the site, looking north east from High Dike (year 10)**



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# Biodiversity Net Gain

**National Grid Electricity Transmission are committed to achieving more than 10% biodiversity net gain on the proposed Navenby Substation.**

To achieve this we will work with local landowners to bring this plan to life, ensuring we leave the environment in a better condition than when construction starts. We will use local knowledge to make sure the biodiversity net gain delivered is the most appropriate and effective for Navenby.



**Indicative visualisation of the substation**



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# Construction

**If approved it is likely the substation will take approximately three years to build, including the construction of the site itself, and its commissioning.**

We will work with our contractor to ensure that any disruption to our neighbours and surroundings is limited, and we will have traffic management plans in place to manage our impact on local roads.

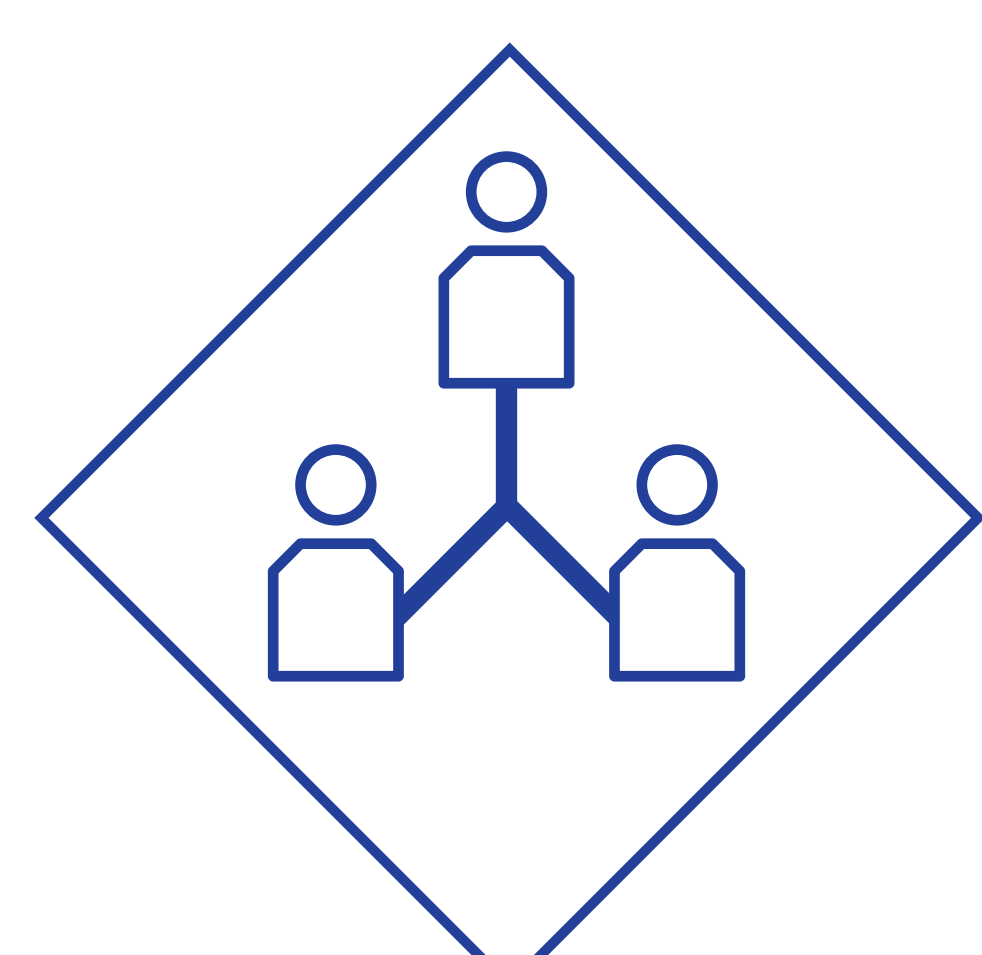
Once the substation is active, there will be a small number of workers on site regularly, meaning there will be very little disruption in the local area.



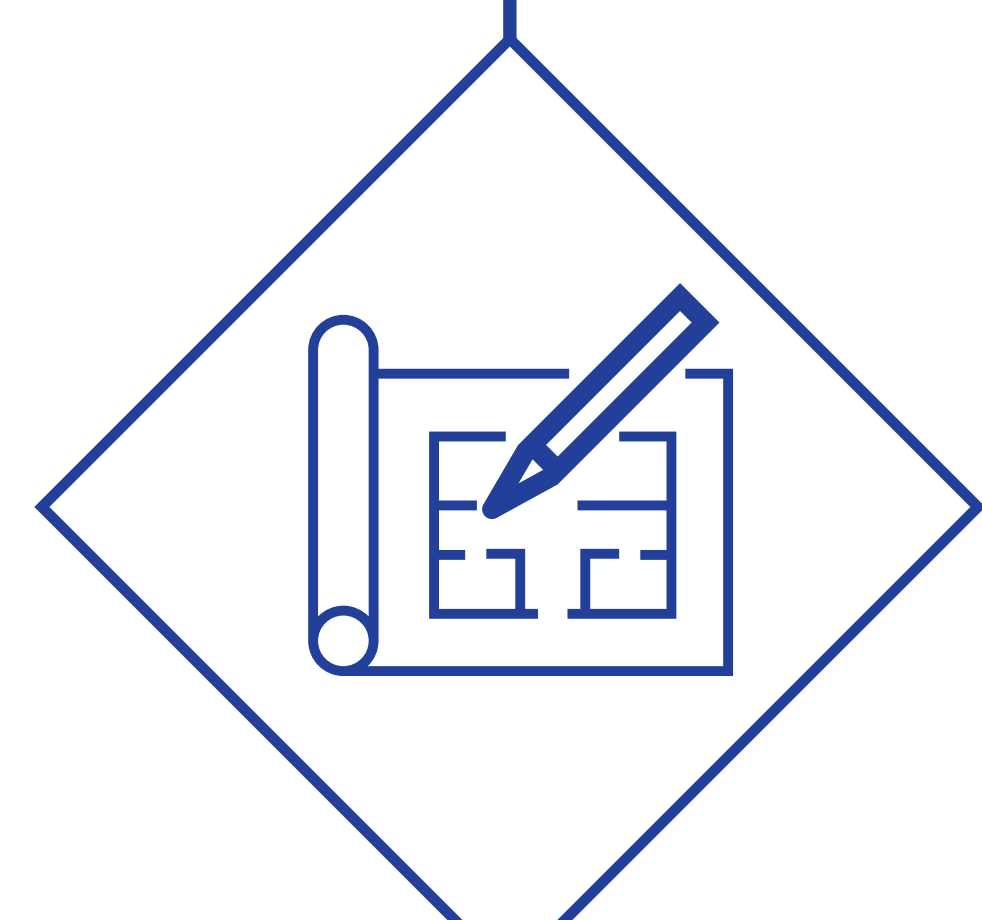


# Timeline of activity

**Our planned timeline of activity is below:**



**Autumn 2024**  
Public consultation for the proposed Navenby Substation



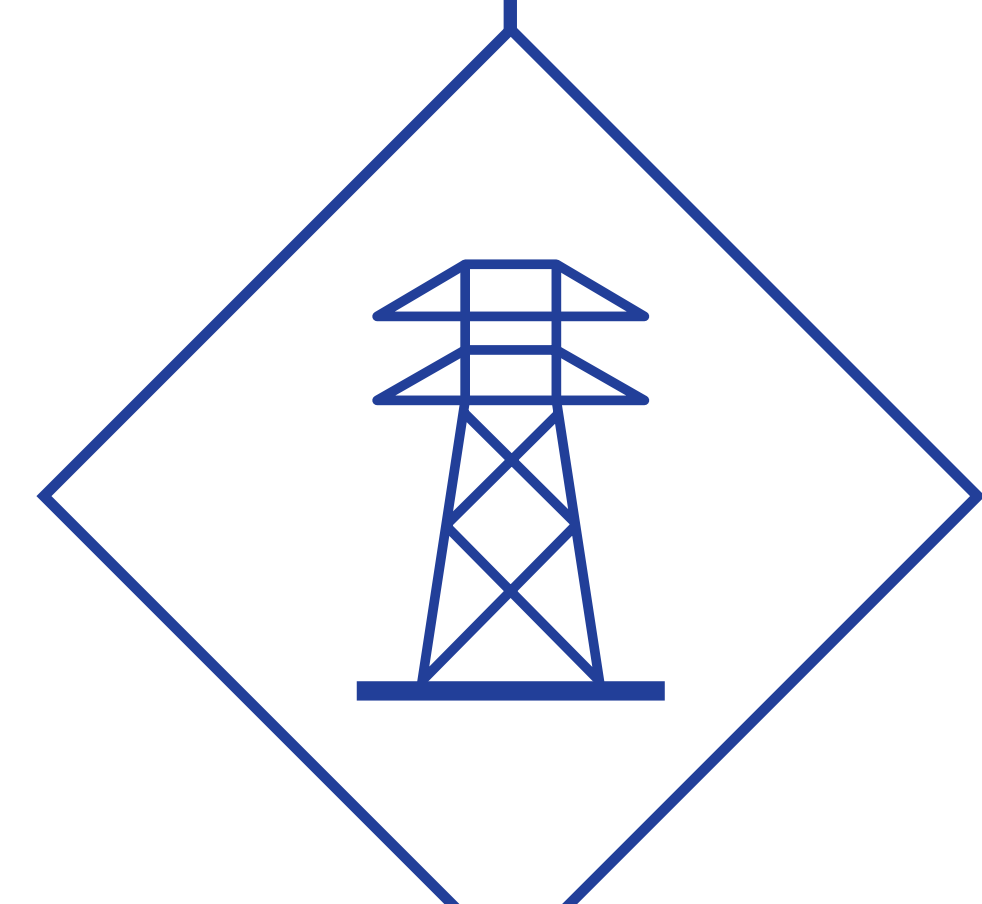
**Spring 2025**  
Submission of planning application to North Kesteven District Council and Section 37 submitted to DESNZ



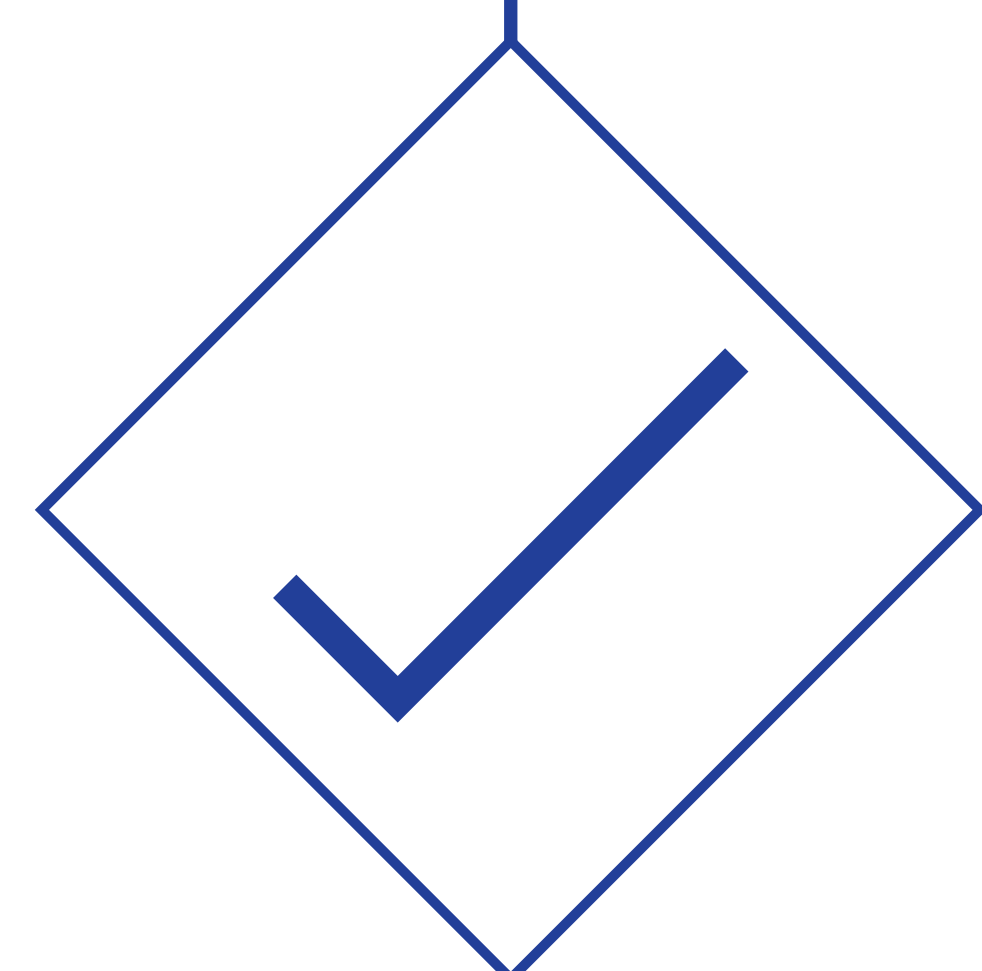
**Summer 2025**  
Planning decision expected by North Kesteven District Council regarding the proposed substation



**Summer 2026**  
Subject to approval, substation construction starts



**Spring/Summer 2028**  
Construction of the four new pylons will take place



**Late 2029**  
Substation construction complete



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# What happens next

**We are still finalising the plans and will consider all feedback received during the consultation before submitting the planning application.**

To let us know what you think, fill in the feedback form available today and either drop it into the ballot box or return using the freepost address provided.

Once finalised, an application will be submitted to North Kesteven District Council. Should planning permission be granted, we will look to bring the project forward as soon as possible. Feedback can also be submitted online via our website.





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# Further information

If you have any further questions, please get in touch:



**0800 319 6183**  
(Monday to Friday, 9am – 5:30pm)



**navenby@nationalgrid.com**



**nationalgrid.com/navenby**

**Freepost GIVEYOURVIEW**

(no stamp or further address required)

