



# East Anglia Green Energy Enablement (GREEN)

Consultation feedback form  
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.**

The proposed reinforcement is around 180 km and 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.

In recent years, the UK has begun a nationwide transformation towards cleaner, greener energy consumption. The Government has set ambitious targets to achieve net zero by 2050 and expects 40 GW of electricity to be generated from offshore wind by 2030.

These ambitions, coupled with increased demand for interconnection and new nuclear power, mean that generation in East Anglia is set to significantly increase. Our network studies show that the reinforcement needs to be in place before the end of the decade, and we need to start work to take the proposals forward.

We are seeking your views on our work to date. Knowing what matters to you matters to us. Your feedback is important to help us as we develop our proposals in more detail.

We will set out how we have considered your consultation responses in the development of our plans within a Consultation Report, which will form part of our application to the Planning Inspectorate.

You are welcome to answer all or some of the questions in this form, depending on the locations and issues that are most important to you. There is also an opportunity to comment generally on the project and this consultation.

We have published a set of documents that will provide you with information on East Anglia GREEN:

- consultation newsletter
- Project Background Document
- Corridor Preliminary Routeing and Siting Study report.

These documents are available on our website [nationalgrid.com/east-anglia-green](https://nationalgrid.com/east-anglia-green). If you wish to receive paper copies of these documents or need them in another format, please get in touch (please note print charges may apply).

Please submit your response by **Thursday 16 June 2022**. Responses received after this date may not be considered as part of this consultation. To return this feedback form free of charge, please address your envelope to **Freepost EAST ANGLIA GREEN** (no stamp or further address details are required).

# About you

## Your details

Title:  First name:

Surname:

Organisation / group (if responding on behalf of an organisation):

Address:

Postcode:

Email address:

☒ Please tick here if you would like us to keep you updated about our proposals via email

## How would you describe your interest in East Anglia GREEN?

- ☐ Local resident
- ☐ Local representative (e.g. Councillor, MP)
- ☐ Landowner
- ☐ Local business owner
- ☐ Regular visitor
- ☐ Local interest group member (if so, please name)
- ☒ Statutory organisation (please specify in the text box below)
- ☐ Other (please specify)

## General

**1. As part of the goal for delivering net zero carbon emissions in the UK by 2050, and the need to connect 40 GW of offshore wind energy by 2030 as part of this goal, do you agree with the identified need for East Anglia GREEN in upgrading the region's energy infrastructure (as described from page 20 in the Project Background Document)?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neither agree nor disagree
- ☐ Disagree
- ☐ Strongly disagree
- ☐ Unsure

[See responses to question 4 onwards.](#)

## Policy context

**2. How concerned are you about the following? Please tick as relevant**

	1 Very concerned	2 Concerned	3 Neutral	4 Not that concerned	5 Not at all concerned
The effect of climate change/global warming on your life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The effect of climate change/global warming on the lives of future generations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[See responses to question 4 onwards.](#)



3. To what extent do you agree or disagree with each of the following statements?

Please tick as relevant

	1 Strongly agree	2 Agree	3 Neither agree or disagree	4 Disagree	5 Strongly disagree
The UK meeting its target of net zero carbon emissions by 2050 is important to you	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
With more renewable energy connecting in East Anglia, it is important to reinforce the network between Norwich and Tilbury to enable this energy to be transported to where it is needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Having domestic energy sources and the associated infrastructure would help increase the UK's energy security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increasing our domestic renewable energy production and associated infrastructure would make us less reliant on imported oil and gas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[See responses to question 4 onwards.](#)

Our proposals

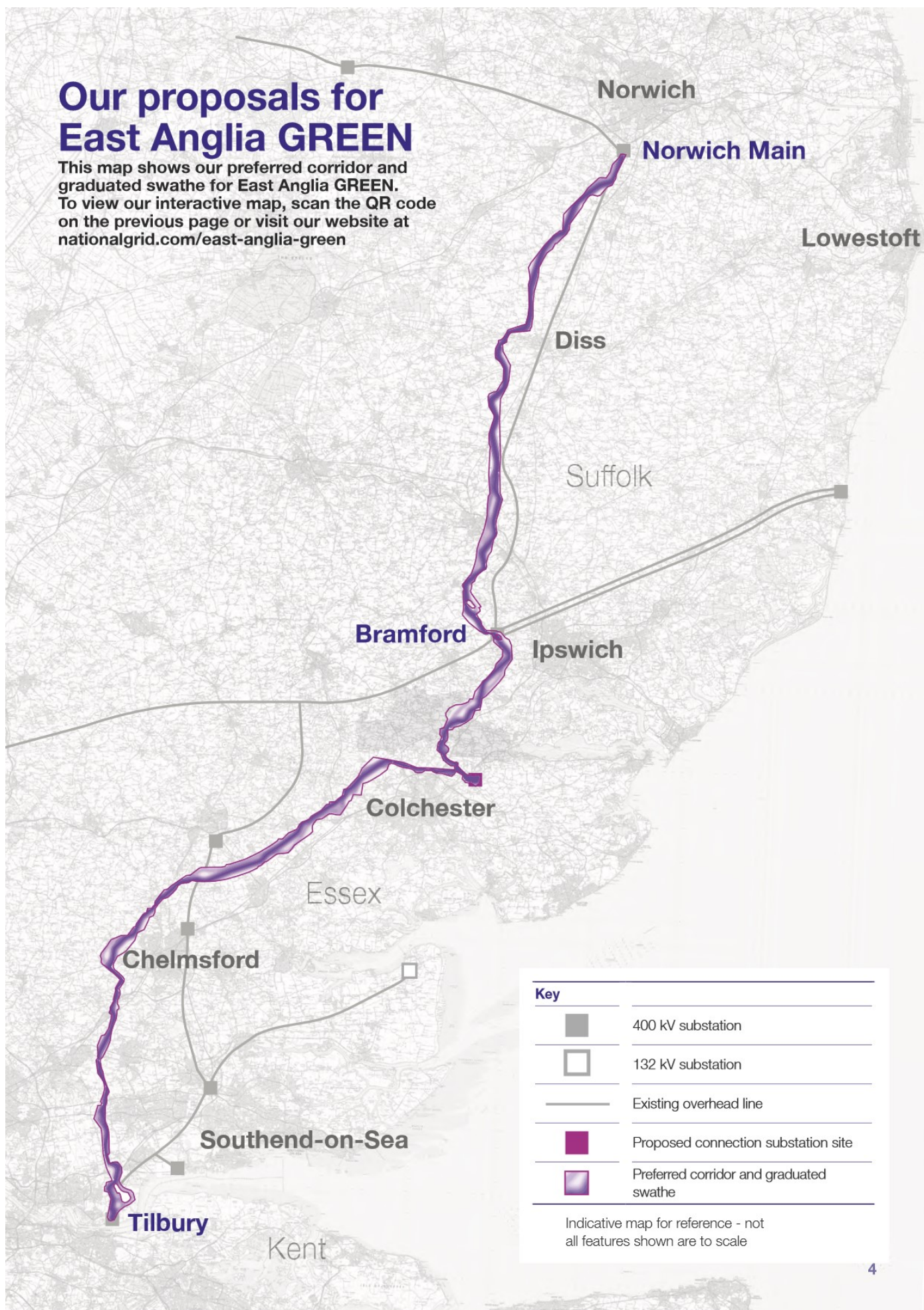
We are asking for your feedback on our proposals as a whole and our approach. We are also asking for your feedback on the sections of the reinforcement that you feel are more relevant to you.

If you need to add more comments, please feel free to provide on a separate piece of paper or use the box after question 11.

More detailed maps of the preferred corridor and specific sections of the corridor can be viewed in the Project Background Document and on the East Anglia GREEN website interactive map.

To view the interactive map, scan the QR code below or visit our website at: [nationalgrid.com/east-anglia-green](https://nationalgrid.com/east-anglia-green)







## Our preferred corridor and graduated swathe

To help provide feedback on the area that is most relevant to you, we have divided our preferred corridor into geographical sections as it crosses local authority areas.

When you provide your answers please tell us which section they relate to.

### 4. The preferred corridor

We considered and assessed a number of options to select a preferred corridor. Do you agree with the process we have taken?

(Please refer to the Project Background Document from page 38)

- |   |   |
|---|---|
| <input type="checkbox"/> Strongly agree             | <input type="checkbox"/> Disagree                     |
| <input type="checkbox"/> Agree                      | <input checked="" type="checkbox"/> Strongly disagree |
| <input type="checkbox"/> Neither agree nor disagree |   |

Please indicate which local authority section(s) of the route your response relates to (please tick all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> South Norfolk                               | <input type="checkbox"/> Chelmsford             |
| <input type="checkbox"/> Mid Suffolk                                 | <input type="checkbox"/> Brentwood and Basildon |
| <input checked="" type="checkbox"/> Babergh, Tendring and Colchester | <input type="checkbox"/> Thurrock               |
| <input type="checkbox"/> Braintree                                   | <input type="checkbox"/> Entire route           |

Please tell us the reason for your answer and if you think there is anything we should take into consideration when developing our plans.

Please see any technical response prepared by Essex County Council on behalf of local authorities in Essex affected by the East Anglia Green proposals.

This Council objects in the strongest of terms to the proposed approach. The Council has been contacted by a significant number of residents in the Ardleigh, Lawford and Little Bromley area who are extremely concerned about the impacts on the development being proposed on communities, the landscape and the wider environment. The Council shares these fundamental concerns.

In representing its local communities, Tendring District Council firmly believes that much greater consideration should be given to a route for the powerline around the coast and on or beneath the sea bed in order to avoid the impacts to the landscape and to communities arising from large overhead lines suspended by pylons and the impact on Areas of Outstanding Natural Beauty. Such an approach would also avoid many complexities around land ownership and retaining easement across a complex patchwork of landholdings for maintenance purposes.

The Council also seriously questions whether the significant carbon footprint of the development as proposed, including the construction of significant pylon structures, would be offset by the benefit of the offshore wind energy for which it is designed to accommodate. It would be useful to aid people's understanding if National Grid Could advise how many years of green energy production would be required to offset the substantial carbon footprint generated through the construction process for East Anglia Green. Related to this are concerns about the inefficiency of pylons as a technology established over a century ago and the loss of power that can be suffered along the length of a suspended powerline as well as the susceptibility of pylons to heat and extreme weather, taking into the account the anticipated impacts of climate change. The Council strongly questions whether or not more modern and efficient technologies for the transmission of electricity have been properly considered as an alternative to the outdated system of pylons.

The Council is furthermore concerned that the considerable community anxiety being generated by the prospect of large-scale and intrusive physical on-shore infrastructure in the form of pylons and substations in sensitive locations close to homes could undermine public support for off-shore wind and other means of generating clean and green energy. This could be damaging to the government's ambitions around zero carbon and the fight against climate change which is of imperative importance to all residents and future generations.

## 5. The graduated swathe

**We have shown a graduated swathe within the preferred corridor to indicate where we feel it is most likely that any infrastructure (pylons, overhead lines, underground cables, substation etc.) may be built.**

(Please refer to the Project Background Document from page 38)

**Please indicate which local authority sections(s) of the route your response relates to (please tick all that apply)**

- |  |   |
|--|---|
| <input type="checkbox"/> South Norfolk                               | <input type="checkbox"/> Chelmsford             |
| <input type="checkbox"/> Mid Suffolk                                 | <input type="checkbox"/> Brentwood and Basildon |
| <input checked="" type="checkbox"/> Babergh, Tendring and Colchester | <input type="checkbox"/> Thurrock               |
| <input type="checkbox"/> Braintree                                   | <input type="checkbox"/> Entire route           |

**Are there any features within the graduated swathe that you think we should take into consideration when developing our plans?**

Please see any technical response prepared by Essex County Council on behalf of local authorities in Essex affected by the East Anglia Green proposals.

Also see the above suggestion for an alternative route to be taken around the coast and on/beneath the sea bed which is strongly advocated as a more suitable approach than that being proposed by the National Grid. Tendring District Council shares the concerns raised by local residents and is particularly worried about the close proximity of the preferred route to the community of Ardleigh and would strongly suggest, if it is to go ahead as proposed (against local views), for the short section of the route around Ardleigh and the Dedham Vale AONB, the powerline could be provided underground - minimising the visual and landscape impact on this community and the wider setting of the AONB.

Further to the above, the Council is also extremely concerned about the health risks posed to residents within proximity to electro-magnetic fields - as demonstrated through considerable research and peer-reviewed scientific data in relation to childhood cancer. Also, there will be considerable noise emanating from the cables and substations - again raising concern about proximity to people's homes. Furthermore, overhead cables raise a risk to swans and other large birds who are regularly killed by overhead high voltage power lines.

## 6. Dedham Vale Area of Outstanding Natural Beauty (AONB)

**This section of the reinforcement needs to connect from Bramford substation to the new connection substation on the Tendring Peninsula. We are proposing to route through the AONB using underground cables.**

**Please comment on any aspects of the routeing and mitigation that you would like to see in relation to our proposals through the AONB.**

(Please refer to the Project Background Document pages 37, 44 and 56)

Please see any technical response prepared by Essex County Council on behalf of local authorities in Essex affected by the East Anglia Green proposals.

From Tendring District Council's perspective, it firmly believes that much greater consideration should be given to an offshore powerline route that would avoid the need for the powerline to pass over land and through/under the AONB. Whilst the grounding of the powerline through the AONB would bring about temporary disruption that would be mitigated over time, it would still bring about significant damage to the area and affect the tourism industry during the construction period.

In addition, the Council seriously questions the logic around the route of the 400kV powerline deviating from what would otherwise be a relatively straight, direct and surely less costly route in order to enter Tendring solely for the purposes of accessing new sub-station to which 132kV connections would be made. Surely it would make more sense for the 400kV line to take a more direct route and for the substation to be located on that route and for the underground 132kV connections from the off-shore windfarms to be extended. These issues could all be resolved through a route around the coast as suggested elsewhere in these comments.



# Substations

## 7. The preferred substation site on the Tendring Peninsula

**We considered and assessed a number of options to select a substation site. Do you agree with the process we have taken?**

(Please refer to the Project Background Document on page 42)

- |   |   |
|---|---|
| <input type="checkbox"/> Strongly agree             | <input type="checkbox"/> Disagree                     |
| <input type="checkbox"/> Agree                      | <input checked="" type="checkbox"/> Strongly disagree |
| <input type="checkbox"/> Neither agree nor disagree |   |

**Please tell us the reason for your answer and if you think there is anything we should take into consideration when developing our plans.**

Tendring District Council is extremely concerned that the assessment of different site options, the survey process and the way in which landowners and communities were notified and engaged in the process brought about significant distress, speculation and uncertainty - and that some surveys were undertaken without the landowners' knowledge.

There is a particular concern that insufficient engagement has been carried out with the farming community to understand the practical implications of building across or beneath farmland.

## 8. Please comment on any aspects of the site and/or areas of mitigation that you would like to see in relation to our proposals for a new connection substation.

Please see the technical response prepared by Essex County Council on behalf of local authorities in Essex affected by the East Anglia Green proposals.

Tendring District Council is extremely concerned about the potential land-take and height of a new substation in the preferred location and the poor road access, via narrow country lanes which will be badly affected during the construction process. These concerns are magnified by the fact that potentially two additional customer substations might also be located within close proximity.

See comments in response to question 5 above which suggest that the sub-station would be better located outside of Tendring with the 400kV powerline following a more direct route.

## 9. Associated work at existing substations

**We will need to connect the reinforcement into existing substations at Norwich Main, Bramford and Tilbury and to carry out some work at these locations.**

(Please refer to the Project Background Document pages 52 (Norwich Main), 54 (Bramford) and 64 (Tilbury).

**Please indicate which substation your response relates to (please tick all that apply)**

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> Norwich Main | <input type="checkbox"/> Tilbury          |
| <input type="checkbox"/> Bramford     | <input type="checkbox"/> All of the above |

**Is there anything that you think we should consider in relation to this work?**

No comment.

## Other considerations

### 10. Refining our proposals

**We will carry out further assessments and considerations to help us decide where we could locate new infrastructure within the preferred corridor and preferred substation site.**

**Are there any particular features, considerations or mitigation that you think we should consider as we refine our proposals?**

Please see any technical response prepared by Essex County Council on behalf of local authorities in Essex affected by the East Anglia Green proposals.

Tendring District Council has declared a climate emergency and is, in principle, supportive of all measures to tackle climate change. Our district has been at the forefront of renewable energy generation for many years with many windfarms and solar farms being located both on land and off the coast of Tendring. These facilities have and will continue to make significant contributions to electricity generation that will benefit the whole country.

However, whilst Tendring has accommodated and faced the direct impacts of these developments, the communities that are most directly affected see little or no benefit - which is wrong. The Council strongly suggests that if these proposals are to go ahead, that we maximise the benefit to the communities and environments that are most affected.

We invite National Grid to engage in positive discussions about maximising the following benefits and mitigation measures, some of which could be secured through planning obligations or other appropriate means. See suggestions under 11. below.

### 11. Are there any other considerations we should take into account when developing our proposals?

**Please use further paper if needed.**

Tendring District Council strongly objects to this proposal and the impacts it would have on our communities and area. If however National Grid proceeds with this proposal against local wishes, our requirements for maximising benefits and mitigation include:

- Undergrounding the sections of the powerline around Ardleigh Village where the current proposed route is extremely close to the village and its residents.
- Investment in coastal defences to provide long-term protection for our coastal communities, particularly in the locations where important infrastructure related to the North Falls and Five Estuaries Windfarms are expected to come to shore.
- Minimising the visual and highway impact of any substation(s) through a comprehensive landscaping and highways solution.
- Maximising the opportunity and priority for local people in the affected areas to benefit from training and employment in the renewable energy sector - important jobs that will be needed to undertake the construction and long-term maintenance of the proposed infrastructure. Given the timescales for the project, it will be essential that measures to train and recruit local people are put in place as a matter of urgency.
- Grants for local communities to carry out projects to the benefit of residents and the environment of their areas;
- Significant discounts on energy bills and/or energy vouchers for premises in the areas affected by the development. As stated above, these developments will benefit the whole of the country - yet those residents most affected by the infrastructure receive little or no benefit - that has to change.



## Our consultation process

Please let us know your views on the quality of our printed and online consultation materials, our face-to-face consultation events, the accessibility of our webinars, how we have notified people about our proposals, and anything else related to this consultation.



### 12. Please let us know how you heard about this consultation by ticking one or more of the following boxes:

- |  |  |
|--|--|
| <input type="checkbox"/> Received a letter from National Grid        | <input type="checkbox"/> Saw coverage in local and/or national media |
| <input type="checkbox"/> Received a newsletter from National Grid    | <input type="checkbox"/> Saw social media coverage                   |
| <input type="checkbox"/> Received an email from National Grid        | <input type="checkbox"/> Word of mouth                               |
| <input type="checkbox"/> Received information from a local authority | <input type="checkbox"/> Other (please state)                        |
| <input type="checkbox"/> Informed by a local elected representative  |  |
| <input type="checkbox"/> Saw an advert in a local newspaper          |  |

Contacted directly by National Grid.

### 13. Please rate the information included in our consultation materials in terms of how clearly it was presented and how easy it was to understand:

- |                                    |   |
|------------------------------------|---|
| <input type="checkbox"/> Very good | <input type="checkbox"/> Poor                 |
| <input type="checkbox"/> Good      | <input checked="" type="checkbox"/> Very poor |
| <input type="checkbox"/> Average   | <input type="checkbox"/> Unsure               |

#### Reasons for answer

Whilst the graphics and use of colour was particularly useful in explaining the approach to options for route corridors, the Council is extremely concerned that the use of terminology, graphics and branding has been extremely misleading - e.g. the name 'East Anglia Green', images of people walking through the unspoilt countryside and terms such as 'reinforcement' of the network do not give a clear impression that this is essentially a proposal for a string of giant pylons crossing the countryside connected to a major new electricity substation. A clearer and more explicit approach to the use of imagery and terminology may have attracted more public participation and ensured better understanding. Furthermore, the use of acronyms should be avoided wherever possible to aid public understanding.

### 14. Please rate how well this consultation was promoted and advertised to the public:

- |                                    |   |
|------------------------------------|---|
| <input type="checkbox"/> Very good | <input type="checkbox"/> Poor                 |
| <input type="checkbox"/> Good      | <input checked="" type="checkbox"/> Very poor |
| <input type="checkbox"/> Average   | <input type="checkbox"/> Unsure               |

#### Reasons for answer

Overall, Tendring District Council is disappointed with the approach taken to promoting and advertising the consultation to the public - particularly when considering the scale of impact the proposed development is expected to have on particular communities. Residents and Councillors have described it as woeful.

See comments above in response to Question 13 about the misleading use of the project name, imagery and terminology.

It may have been beneficial to hold more events in the Tendring area, particularly given the potential location for a substation which is not proposed for other areas along the proposed route.

**15. Did you attend one of our face-to-face or online consultation events?**

- |   |                                    |
|---|------------------------------------|
| <input type="checkbox"/> Yes, face-to-face      | <input type="checkbox"/> Yes, both |
| <input checked="" type="checkbox"/> Yes, online | <input type="checkbox"/> No        |

**16. If you answered yes to question 15, how informative did you find our consultation events?**

- |   |  |
|---|--|
| <input type="checkbox"/> Very informative             | <input type="checkbox"/> Not informative |
| <input checked="" type="checkbox"/> Quite informative | <input type="checkbox"/> No opinion      |

**17. Do you have further comments about our materials, consultation process or any suggestions for how we can improve our consultation?**

Tendring District Council is very concerned about an apparent lack of coordination between engagement on East Anglia Green, North Falls and Five Estuaries. Whilst it is understood that these projects are being promoted by three separate organisations, the fact that they are so closely interrelated and are all aimed at helping to achieve government targets for zero carbon, a more coordinated approach to consultation and the planning process should surely be achievable.

Many residents are confused as to the differences between the three projects and are unclear as to how they relate to one another. For example, in considering this consultation, many residents are (as is the Council) interested in understanding how the connection from the offshore windfarms to the substation and 400kV powerline will be achieved - these are questions that National Grid is not in a position to answer as North Falls and Five Estuaries are being promoted separately.

The Council suggests that either National Grid, or Tendring District Council in its role as a community leader, could help to facilitate coordinated discussions involving the community and the promoters of the three projects to ensure a common understanding and an optimum and mutually beneficial outcome. For instance, there is significant concern about the impact, efficiency and common sense of separate offshore windfarms making land-fall at separate locations and having separate harmful impacts in terms of routing across the countryside and in the establishment of multiple substations.



## Equality and diversity

National Grid would be grateful if you could answer the following equality and diversity questions. We will use the information we receive to help understand whether our consultation has been useful to people of different backgrounds and requirements.

We may publish a summary of the results, but no information about an individual would be revealed.

The answers you provide to this question are defined as 'special category data'.

If you agree to provide equality and diversity information, you can withdraw your permission at any time. To withdraw your details, please contact us via email at [EastAngliaGREEN@nationalgrid.com](mailto:EastAngliaGREEN@nationalgrid.com)

If you wish to receive paper copies of these documents or need them in another format, please get in touch via the details on the bottom of this page (please note print charges may apply).

### 18. What is your gender?

- ☐ Male  
☐ Prefer not to say

☐ Female

☐ Non-binary

N/a - this response is on behalf of an organisation.

### 19. Do you consider yourself a person with a disability?

☐ Yes

☐ No

☐ Prefer not to say

N/a - this response is on behalf of an organisation.

### 20. How would you describe your ethnic background?

N/a - this response is on behalf of an organisation.

☐ African, Caribbean or Black

☐ Arab

☐ Asian

☐ Gypsy or Irish Traveller

☐ White

☐ Mixed or Multiple ethnic groups

☐ Any other ethnic group (please state)

☐ Prefer not to say

### 21. What is your age?

☐ Under 13

☐ 13-20

☐ 21-50

☐ 51-75

☐ 76+

☐ Prefer not to say

N/a - this response is on behalf of an organisation.

## Contact us

Please get in touch if you have any questions or comments on the East Anglia GREEN development.

Call our Community Relations team: **0800 151 0992**

(Open Monday to Friday 9:00am–5:30pm)

Email us: [EastAngliaGREEN@nationalgrid](mailto:EastAngliaGREEN@nationalgrid.com)

.com

### Alternative feedback methods

Access our website directly at [nationalgrid.com/east-anglia-green](https://nationalgrid.com/east-anglia-green) where an online version of this form is available.

Email your comments to [EastAngliaGREEN@nationalgrid.com](mailto:EastAngliaGREEN@nationalgrid.com)

Post us your comments using **Freepost EAST ANGLIA GREEN** (no stamp or further address needed)

If you are a landowner or have an interest in any of the land which interacts with our proposals, you can raise any questions relating to land interests by contacting the East Anglia GREEN Land Team at Fisher German by calling **03450 131 864** or by emailing [EastAngliaGreen@fishergerman.co.uk](mailto:EastAngliaGreen@fishergerman.co.uk).

Alternatively, you can write to East Anglia GREEN Lands Team at Fisher German, The Estate Office, Norman Court, Ivanhoe Business Park, Ashby de la Zouch, LE65 2UZ.



The National Grid logo, featuring the word 'national' in a lowercase sans-serif font and 'grid' in a bold, lowercase sans-serif font, with a small diamond shape above the 'i' in 'grid'.

## Data privacy notice

National Grid is committed to protecting your personal information.

Whenever you provide such information, we are legally obliged to use it in line with all applicable laws concerning the protection of personal data, including the UK General Data Protection Regulation (GDPR).

### How will National Grid use the information we collect about you?

We will use your personal data collected via this consultation for a number of purposes, including:

- to analyse your feedback to the consultation
- to produce a Consultation Report, based on our analysis of responses (individuals will not be identified in the Report)
- to write to you with updates about the results of the consultation and other developments if you have opted in to receive these updates
- to keep up to date records of our communications with individuals and organisations.

Any personal information you include in this form will be handled and used by (or made available to) the following recipients to record, analyse and report on the feedback we receive:

- National Grid
- the Planning Inspectorate (which will consider our application for consent to build East Anglia GREEN – any details published as part of this process will be anonymised)
- the Secretary of State (who will take the decision on our application)
- our legal advisers
- consultants working on the East Anglia GREEN project.

### What rights do I have over my personal data?

Under the terms of the UK GDPR you have certain rights over how your personal data is retained and used by National Grid. For more information, see our full data privacy statement visit

[nationalgrid.com/privacy-policy](https://nationalgrid.com/privacy-policy)