The Great Grid Upgrade

Norwich to Tilbury



February 2025

nationalgrid

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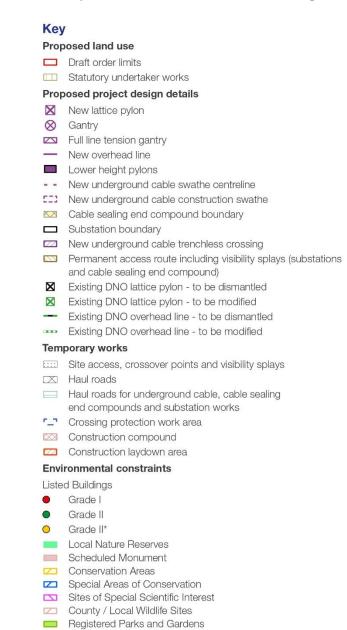
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Environmental Implications of Change – Essex 7

1.1 Introduction

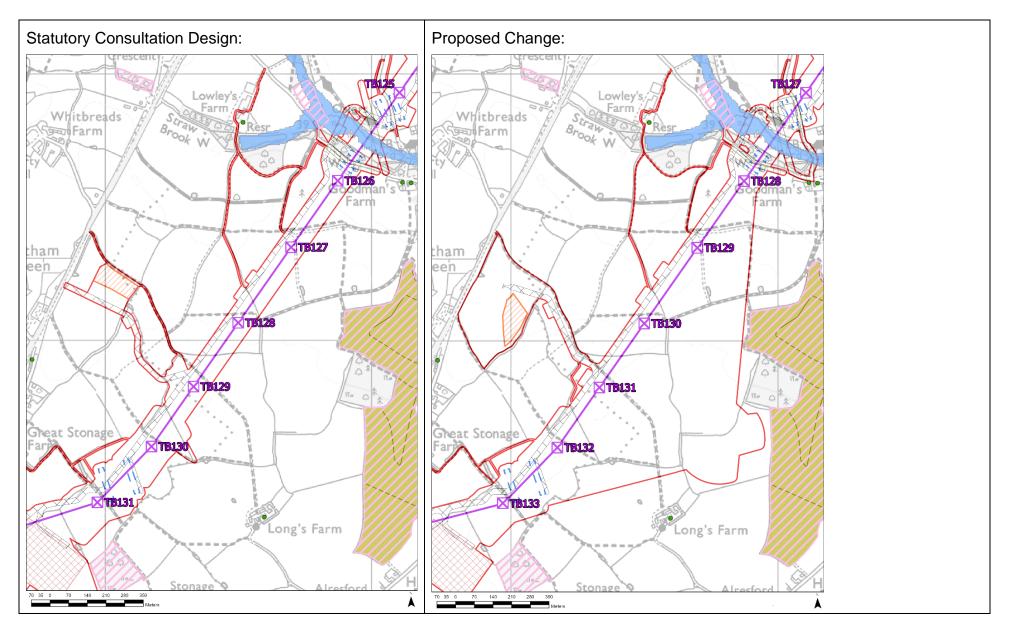
- 1.1.1 This Environmental Implications of Change document should be read alongside the associated Essex 7 targeted consultation leaflet.
- 1.1.2 Image 1 presents the Statutory Consultation design and the proposed change together with key environmental constraints using the key below.



Countryside and Rights of Way Open Access Land
National Landscape (an Area of Outstanding Natural beauty)

Ancient WoodlandFlood Zone 3

Image 1: Proposed Change



1.2 Environmental Implications of Change

- We have reviewed the proposed change set out in the consultation information leaflet and its likely environmental implications against the preliminary assessment reported in the Preliminary Environmental Information Report (PEIR) published as part of our summer 2024 statutory consultation. We have undertaken this review against each of the technical topics covered by the PEIR, with respect to this location within the Project, including: agriculture and soils; air quality; ecology and biodiversity; contaminated land, geology and hydrogeology; health and wellbeing; historic environment; hydrology, land drainage and flood risk; landscape and visual; noise and vibration; socio-economics, recreation and tourism; and traffic and transport. We have applied the same methodologies and principles set out in the PEIR based on the information available and recognising that the Project is the subject of ongoing consultation and environmental surveys.
- For information on the environmental implications of a change following our review, National Grid has produced an 'Environmental Implications of Change document' (EIC), like this one, with location reference to the specific area where the proposed change is located.
- The table below outlines the environmental implications of a change which is proposed as a result of feedback received during statutory consultation in 2024. The information provided here is proportionate and appropriate information on the environmental implications when looked at both in local context and in the context of the project as a whole.

Environmental Topic	Comments / observations / identified environmental implications of the proposed change when compared to the preliminary assessment presented in the PEIR
Agriculture and Soils	Indicative mapping shows similar 'Provisional Agricultural Land Classification' grading and soil types as identified for the design presented at statutory consultation. There would be no change to the type or significance of agriculture and soil effects as a result of the proposed change, when compared to the design and PEIR presented at statutory consultation.
Air Quality	There would be no change to the type or significance of air quality effects as a result of the proposed change, when compared to the design and PEIR presented at statutory consultation.
Ecology and Biodiversity	The proposed alignment change would cross an additional two mature tree / hedge lines. The proposed change would be closer to Lyonshall Wood Local Wildlife Site which is also ancient woodland.
	Although closer to a Local Wildlife Site and two additional tree / hedge lines being crossed, there would be no change to the type or significance of ecology and biodiversity effects as a result of the proposed change, when compared to the design and PEIR presented at statutory consultation.
Contaminated Land, Geology and Hydrogeology	The proposed change would increase the number of pylons in the minerals safeguarded area. However, there would be no change to the type or overall significance of contaminated land, geology and

Environmental Topic	Comments / observations / identified environmental implications of the proposed change when compared to the preliminary assessment presented in the PEIR
	hydrogeology effects as a result of the proposed change, when compared to the design and PEIR presented at statutory consultation.
Health and Wellbeing	There would be no change to the type or significance of health and wellbeing effects as a result of the proposed change, when compared to the design and PEIR presented at statutory consultation.
Historic Environment	The proposed change would move the alignment closer to several designated heritage assets. The closest is Longs Farmhouse grade II listed building, associated with a medieval moat. The proximity of the proposed tower locations could potentially result in permanent effects due to change to the setting of these listed buildings. This would only be significant for Longs Farmhouse due to the distance and intervening vegetation with the other listed buildings.
	The proposed change would move the alignment away from several Grade II listed buildings at Chatham Green. However, the impact of the Project on these assets would not change as a result of the proposed change.
	The proposed change would increase adverse effect on Longs Farmhouse from not significant to significant but would have no significant impact on other heritage assets when compared to the design and PEIR presented at statutory consultation.
Hydrology, Land Drainage and Flood Risk	There would be no change to the type or significance of hydrology, land drainage and flood risk effects as a result of the proposed change, when compared to the design and PEIR presented at statutory consultation.
Landscape and Visual	The proposed change would introduce one larger angle pylon into the landscape in close proximity to Long's Farm.
	In terms of landscape, effects on landscape character are likely to be similar. This is because the design presented at the statutory consultation and the proposed change would introduce pylons into the farmed plateau.
	There would be no change to the significance of landscape and visual effects as a result of the proposed change, when compared to the design presented at statutory consultation.
Noise and Vibration	There would be no change to the significance of noise and vibration effects as a result of the proposed change, when compared to the design presented at statutory consultation.
Socio-economics, Recreation and Tourism	There would be no change to the significance of socio-economic, recreation and tourism effects as a result of the proposed change, when compared to the design presented at statutory consultation.
Traffic and Transport	There would be no change to the significance of traffic and transport effects as a result of the proposed change, when compared to the design presented at statutory consultation.

1.3 Conclusion

- The proposed change would not materially change the conclusions that were reported within the PEIR (National Grid, 2024) which was published for statutory consultation. The PEIR can be viewed here.
- 1.3.2 If the proposed change is taken forwards, the baseline information (and environmental surveys) and assessment associated with this change would be provided in the Environmental Statement (ES).

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