CHANGE 25 - PERMANENT ABOVE GROUND SWITCHGEAR HOUSE FOR POWER SUPPLY - SOUTH OF KEYINGHAM PRELIMINARY ENVIRONMENTAL INFORMATION

To assist consultees, the following provides preliminary environmental information, equivalent to that presented at statutory consultation in the Preliminary Environmental Information Report (PEIR). It also explains how this change will be assessed in the Environmental Statement (ES), which will be published when the Development Consent Order (DCO) application is accepted for Examination.

Agriculture and soils	As there is additional permanent land take this will need to be assessed as part of the ES. Unlikely to change the significance of effect given the relatively small size.
Air quality	The additional air quality emissions during construction will need to be assessed as part of the ES. As the closest residential receptor is c.200m away and the emissions are anticipated to be small no additional significant effect is anticipated.
Ecology	As there is additional permanent land take this will need to be assessed as part of the ES. This is unlikely to change the significance of effects given the relatively small size and assumed to be within agricultural land.
Climate	The impact on climate will need to be assessed as part of the ES. As the switchgear house is small no additional significant effect is anticipated.
Greenhouse gases	The additional emissions during construction will need to be assessed as part of the ES. As the emissions are anticipated to be small no additional significant effect is anticipated.
Ground conditions / hydrogeology	As there is additional permanent land take this will need to be assessed as part of the ES. This is unlikely to change the significance of effect given the relatively small size, agricultural location and because there is no Source Protection Zone (SPZ) present.
Cultural heritage	As there is additional permanent land take and a new structure above ground this will need to be assessed as part of the ES. Buried archaeology could be present but would need to be assessed.

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As this is a new permanent structure this will need to be assessed as part of the ES as part of the Landscape and Visual Impact Assessment (LVIA). The assessment will follow the methodology set out in Chapter 12 of the PEIR. The switchgear house will be assessed in the same way as the other proposed Above Ground Installations (AGIs).

Additional viewpoint photography is proposed to be obtained from five locations, as follows (subject to site conditions and land access). A zone of theoretical visibility (ZVT) will also be modelled – this will show the areas from which the switchgear station will be visible. This information will inform the assessment that will be presented in the ES.

Viewpoint Reference	Receptors	Description of View Local Landscape Character Areas are summarised in Table 12.1.2 of the PEIR (available at www.nephccp.co.uk/documents)	Distance from Switchgear	Planned date for photography survey
Keyingham 01	Receptors include users of PRoW and local road users	South-east direction of view at the junction of Marsh Lane and the PRoW. The view encompasses Local Landscape Character Area (LLCA) 19C: Burstwick to Withernsea Farmland in the foreground and mid ground, transitioning to LLCA 21C: South Patrington, Ottringham and Keyingham in the distance. The view is characterised by a wide expanse of flat, open arable farmland with field boundaries defined by shallow drainage ditches and occasional hedgerows, reinforcing the open and exposed character. Vegetation is sparse and largely limited to field edges and farmsteads, with occasional isolated trees along the skyline. Wind turbines punctuate the far horizon, introducing vertical elements and marking the transition toward LLCA 21C.	1km	To be collected summer 2026
Keyingham 02	Receptors include local road users and residents at the edge of Keyingham settlement	South-west direction of view encompasses LLCA 19C: Burstwick to Withernsea Farmland in the foreground and mid ground, transitioning to LLCA 21C: South Patrington, Ottringham and Keyingham in the distance. The view comprises an open and flat agricultural landscape punctuated by a straight, narrow rural lane extending into the distance. Fields are intensively managed, defined by shallow drainage ditches and narrow grass verges, maintaining the open and exposed character. Views are long and far reaching, with a low, uninterrupted horizon. Vertical elements are limited to telegraph poles and wires running alongside the lane, and distant wind turbines visible on the skyline, marking the transition toward LLCA 21C. Vegetation is sparse and largely confined to field edges, with very limited tree cover.	1.7km	To be collected summer 2026

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Viewpoint Reference	Receptors	Description of View Local Landscape Character Areas are summarised in Table 12.1.2 of the PEIR (available at www.nephccp.co.uk/documents)	Distance from Switchgear	Planned date for photography survey
Keyingham 03	Receptors include users of PRoW, local road users and residential properties along Sunk Island Rd	North-west direction of view encompassing LLCA 21C: South Patrington, Ottringham and Keyingham. The view comprises a flat and expansive arable landscape, characterised by large, open fields with minimal enclosure. Vegetation is sparse, with only occasional trees and distant farmstead planting providing vertical structure. Wind turbines and distant industrial structures are discernible along the horizon.	2.1km	To be collected summer 2026
Keyingham 04	Receptors include residents of White House Farm, scattered farmsteads and local road users	Eastward direction of view encompassing LLCA 21C: South Patrington, Ottringham and Keyingham. The view comprises a flat and expansive arable landscape, characterised by large, open fields with minimal enclosure. Vegetation is sparse, with only occasional trees and distant farmstead planting providing vertical structure. The edge of Keyingham is discernible to the north, introducing limited built form within the otherwise rural context. Wind turbines and distant industrial structures are visible along the horizon.	0.8km	To be collected summer 2026
Keyingham 05	Receptors include local road users, scattered farmsteads	Eastward direction of view within LLCA 21C: South Patrington, Ottringham and Keyingham. The view comprises a flat and expansive arable landscape, characterised by large open fields and exposed character. Vegetation is limited, with occasional hedgerows and small clusters of trees associated with farmsteads and field edge. Overhead telegraph poles and wires cross the landscape, introducing linear vertical features. Wind turbines and distant industrial structures are discernible along the horizon.	1.3km	To be collected summer 2026

Mitigation, potentially consisting of landscape planting, may be required and if implemented will likely not result in an additional significant effect.

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Noise	The additional noise during construction will need to be assessed as part of the ES. However, it is assumed that the switchgear house will not generate noise and as the closest residential receptor is c.200m away no additional significant effect is anticipated.
Socio economics	The additional construction will need to be assessed as part of the ES. As the closest residential receptor is c.200m away no additional significant effect is anticipated.
Health	The additional construction will need to be assessed as part of the ES. As the closest residential receptor is c.200m away no additional significant effect is anticipated.
Traffic	The additional traffic will need to be assessed as part of the ES. As the additional traffic (the switchgear house is unstaffed and visited very occasionally for maintenance) is anticipated to be low no additional significant effect is anticipated.
Waste	The additional waste and material during construction will need to be assessed as part of the ES. Given the small size, no additional significant effect is anticipated.
Hydrology and drainage	As there is additional permanent land take this will need to be assessed as part of the ES. Unlikely to change the significance of effect given the relatively small size and no risk to rivers identified in the immediate area. However, it is Flood Zone 3 (high risk).
Major accidents and disasters	No new major accidents or disaster has been identified in relation to this change.
Coastal	The closest coast is c. 3.8km away, therefore no new significant effect identified.
Cumulative effects	This will need to be assessed as part of the ES but is unlikely to change the significance of effect given the relatively small change.

Summary	**The design changes detailed have been considered and, whilst these are yet to be assessed fully in the Environmental Statement, they are unlikely to introduce any new significant environmental effects. This means that the preliminary assessment of potential impacts reported in the Preliminary Environmental Information Report published at statutory consultation is unlikely to change.**