

Norfolk Vanguard Offshore Wind Farm National Grid Substation Indicator Lights Information Note

Applicant: Norfolk Vanguard Limited
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Deadline 3

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Photo: Kentish Flats Offshore Wind Farm



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1 NATIONAL GRID SUBSTATION LIGHTING

1.1 Introduction

1. During Issue Specific Hearing 1 (ISH1) for the Norfolk Vanguard Offshore Wind Farm (Onshore Environmental Matters), the Examining Authority requested that the Applicant provide an explanatory note detailing the number of potential lightning masts and the function of the red and green lights on the existing National Grid substation, as well as an explanation as to whether additional red and green lighting is likely to be required as part of the Norfolk Vanguard project.

1.2 Lightning Masts

2. The number of lightning masts included as part of the project design for Norfolk Vanguard is 12. The general specification of the onshore project substation is described in ES Chapter 5 Project Description Section 5.5.5. The locations within the onshore project substation footprint and indicative design of the lightning masts is shown on the Lightning Rods Information Sheet, submitted at Deadline 3 of the Examination (document reference ExA;ISH;10.3.1F).

1.3 National Grid Indicator Lights

3. Following ISH1, the Applicant has engaged with National Grid who have confirmed that the green and red lights currently displayed on the existing National Grid substation at Necton are part of the substation entry system access gate. The colours indicate when the electrified fence is active or inactive when visitors enter the site.
4. National Grid has confirmed that there will be no requirement for any further entry lights as a result of the Norfolk Vanguard National Grid substation extension, as this infrastructure will not impact on the entry gate system.