Outer Dowsing Offshore Wind

Outline Artificial Light Emissions Management Plan

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OUTER DOWSING OFFSHORE WIND

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Abbreviations

Acronym	Expanded name
CoCP	Code of Construction Practice
DCO	Development Consent Order
ECC	Export Cable Corridor
GTR4 ltd	The Applicant making the application for a DCO. The Applicant is GTR4 Limited (a joint venture between Corio Generation and TotalEnergies), trading as Outer Dowsing Offshore Wind. The project is being developed by Corio Generation (a wholly owned Green Investment Group portfolio company) and TotalEnergies.
LCC	Lincolnshire County Council
NVMP	Noise and Vibration Management Plan
NSR	Noise Sensitive Receptor
NVMP	Noise and Vibration Management Plan
OnSS	Onshore Substation
PEIR	Preliminary Environmental Impact Report
PPV	Peak Particle Velocity

1 Outline Artificial Light Emissions Management Plan

1.1.1 An Artificial Light Emissions Management Plan (the plan) will be prepared as part of the outline Code of Construction Practice (CoCP) for Development Consent Order (DCO) Application, in accordance with Requirement 21 of the draft DCO. The plan addresses the control of artificial light from temporary construction activities only. This outline plan is an example of the measures that will be incorporated into the final plan, that will be developed in advance of construction and submitted for approval in accordance with the DCO requirement.

1.1.2 The design of the onshore substation (OnSS) will include fixed lighting and the pre-construction approval of the design details is specified under a separate DCO condition, relating to the approval of design details and is not covered by this plan. The OnSS design details will be submitted for approval in advance of construction, in accordance with the DCO requirement. General information regarding substation lighting can be found in the OnSS Design Principles report, appended to the Project Description (Volume 1 Chapter 3, Appendix 3).

1.1.3 The plan will provide detail on the mitigation measures to be taken to manage emissions from artificial light in accordance with Bats and Lighting in the UK guidance (Bat Conservation Trust, 2018), such as the use of directional beams, non-reflective surfaces and barriers and screens, to avoid light nuisance whilst maintaining safety and security obligations. The plan will also consider the guidance from the Institute of Lighting Professionals (Guidance Note 01/21) in situations where this is relevant.

1.1.4 Details of the locations, heights, design and luminance of all floodlighting to be used during the construction of the project, together with measures to limit obtrusive glare to nearby residential properties, will be set out in the Artificial Light Emissions Management Plan which will be submitted to the local authorities for approval prior to construction commencing.

1.1.5 Site lighting will be positioned and directed to minimise nuisance to footpath users and residents, to minimise distractions to passing drivers on adjoining public highways and to minimise skyglow, so far as reasonably practicable. Lighting spillage will also avoid or minimise impacts on ecological resources, including nocturnal species. So far as is practicable, all power to temporary lighting will be taken from mains supplies rather than from portable generators. Where portable generators are used, industry best practice will be followed to minimise noise and pollution from such generators.

1.1.6 With regard to working hours and timing of works, perimeter and site lighting would be required during working hours and a lower level of lighting would remain overnight for security purposes. For information on working hours please refer to Table 3.34 of the Project Description Chapter (Document reference 6.1.3.)

1.1.7 During periods of 24 hour working for HDD and other continuous operations, temporary night-time lighting for specific task areas will be required and will be designed to minimise the impacts at the specific location.