

Technical Appendix 12.2 Proposed Draft Condition to secure a reduced visible lighting scheme for the Proposed Development

The Applicant proposes the below draft condition which it considers would secure the provision of the reduced visible lighting scheme agree by the CAA on the 23rd of May 2024 and allow for the future provision of an Aviation Detection Lighting Scheme (ADLS) when this technology becomes available.

The Condition proposed below is based on that imposed in respect of the consent for Rowan Wind Farm (ECU00003230) in the administrative area of Argyle and Bute dated the 26th of April 2024.

The Applicant proposes to continue discussion with the CAA to agree the below proposed draft condition or an acceptable amended condition.

Proposed Draft Condition

Aviation Lighting

- (1) Aviation lighting shall be installed and operated in accordance with the aviation lighting scheme described in the letter of approval from the Civil Aviation Authority dated the 23rd of May 2024 (the Aviation Lighting Scheme).
- (2) For the avoidance of doubt the Aviation Lighting Scheme provides for:
 - (a) medium intensity steady red (2000 candela) lights installed on the nacelles of T03, T06, T08 and T09;
 - (b) a second 2000 candela light installed on the nacelles of the turbines stated above to act as alternates in the event of failure of the main light;
 - (c) the visible lighting being capable of being dimmed to 10% of peak intensity when visibility as measured at the Development exceeds 5km; and
 - (d) the selected light to include angle intensity reduction.
- (3) No later than the fifth anniversary of the date of First Commissioning and every five-year anniversary thereafter, the Company shall submit a written review of the Aviation Lighting Scheme to the Planning Authority (“the Review”). The review shall include:

(a) an assessment of options available for the reduction in the number of visible lights installed on turbines and the time period when lights are visible;

(b) an assessment of the potential for installation of an Aircraft Detection Lighting System (ADLS), including a statement setting out the current and anticipated regulatory environment in relation to ADLS; and

(c) an assessment of whether, in the Company's view, it is reasonably practicable to install an ADLS at the Development.

(4) The Review may propose amendment of the Aviation Lighting Scheme. If the Review assesses that it is reasonably practicable to install ADLS, such review shall also include the Company's proposals for installation of ADLS together with a proposed timetable for installation. Any proposed amendment shall be compliant with the then current aviation lighting requirements of the Civil Aviation Authority and the Ministry of Defence.

(5) Any proposed amendment to the Aviation Lighting Scheme shall be subject to the written approval of the Planning Authority in consultation with the Civil Aviation Authority and the Ministry of Defence and shall thereafter be installed and operated in accordance with the approved details.

(6) The Aviation Lighting Scheme, or such alternative scheme as may be approved under part (5), shall thereafter be implemented throughout the operational life of the Development.

Reason: *In the interests of aviation safety and to minimise landscape and visual impacts.*