



Australian Government

Civil Aviation Safety Authority

AIRSPACE AND AERODROME REGULATION

File Ref: EF11/1146-57

21 July 2017

Mr RA Gower
Consulting Engineer
PO Box 149
COLDSTREAM VIC 3770

Dear Mr Gower,

NAROGHID WIND FARM, VICTORIA

CASA has reviewed the aviation impact statement as prepared for the proposed Naroghid Wind Farm as received by CASA on 9 June 2017.

CASA's assessment was conducted in accordance with the National Airports Safeguarding Framework (Guideline D) as developed by the Department of Infrastructure and Regional Development as developed to provide planning advice to State and Local Planning Authorities to aid in safeguarding Australian Airports from inappropriate development.

The wind farm proposal was originally for 22 turbines however this number is to be reduced to 12 and the proposed turbine heights are to be increased from 125 m to 180 m AGL.

With regard to Visual Flight Rules (VFR) operations, pilots are permitted to fly as low as 500 ft AGL. The turbines will reach to a height of 590 ft AGL, and therefore the turbine blades will marginally infringe navigable airspace by 90 ft (27.5 m).

The location of the wind farm is remote of any certified or registered aerodromes, there are no identified VFR air routes in the area and the wind farm is wholly enclosed within class G airspace.

In assessing CASA's duty of care, we consider the proposal in its proposed format unlikely to be a hazard to aviation safety given the current levels of limited civilian air activity in the area. Therefore CASA will not recommend aviation hazard lighting in this case.

However, as military aircraft operate to lower heights than civilian aircraft, the Department of Defence should be contacted to confirm that they do not have concerns with the wind farm not being lit.

Should the planning authority or the military require lighting, CASA would recommend that the wind farm be lit with steady red low intensity lighting at night as per Section 9.4 of the CASA Manual of Standards Part 139. Characteristics for low intensity are stated in subsection 9.4.6.

Naroghid Wind Farm Pty Ltd (the proponent) is reminded that despite CASA comment, the proponent has a duty of care to consider with regard to ensuring the Wind Turbines do not present a hazard to aircraft operators. Should aircraft operations in the vicinity of the wind farm change, the proponent must reconsider their duty of care to aircraft operators and the travelling public.

Once completed, the coordinates and survey heights of each turbine must be reported to the Airservices Australia email below for inclusion in the ERSA publication:
vod@airservicesaustralia.com

CASA would be pleased to answer any questions on 131 757.

Yours sincerely

A handwritten signature in black ink, appearing to read 'M. Windebank', written in a cursive style.

Matthew Windebank
Aerodrome Engineer