



Australian Government

Civil Aviation Safety Authority

AIRSPACE AND AERODROME REGULATION

File Ref: GI11/1630-1

6 May 2016

Ms Phillipa Duncan
Senior Planner
Resource Assessments
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

Dear Ms Duncan,

PROPOSED SAPPHIRE WIND FARM AMENDMENT

Additional to CASA's previous advice with regard to the Wind Farm development near Glen Innes, NSW, CASA has now received a formal response from the Glenn Innes Severn Shire Council in regard to the proposal.

The proposal seeks to increase the overall height of the 159 proposed Wind Turbines from 157 m to 200 m (AGL).

The proposal identifies that the 25 nm Minimum Sector Altitude for Glenn Innes Aerodrome will be penetrated by the proposed wind farm installation by 155 ft and will therefore have an impact on flight operations at Glen Innes Aerodrome. This is confirmed by Airservices who advised that the MSA could be raised by 200 ft subject to CASA and the Aerodrome Operators agreement.

The Council, as owners of the Glenn Innes Aerodrome, have now advised CASA that they will accept an amendment to the MSA for Glenn Innes Aerodrome. CASA has no objection to such a change.

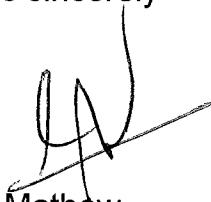
Given the height of the turbines and their proximity to Glenn Innes Aerodrome, CASA considers the proposal to be a hazard to aviation safety, but the risks to aircraft safety would be mitigated by the provision of approved lighting and an adjustment to the MSA by Airservices Australia.

CASA recommends that the wind farm is lit with steady red medium intensity lighting at night as per Section 9.4 of the CASA Manual of Standards Part 139. Characteristics for medium intensity are stated in subsection 9.4.7.

Any lighting installed should comply with the NASF 'Guideline D', Obstacle Lighting for wind turbines, paragraphs 35,36 and 37.

If you require further information, please call Matthew Windebank on 131757.

Yours sincerely

A handwritten signature in black ink, appearing to be 'DM' with a long horizontal stroke extending to the right.

Dilip Mathew
Manager Aerodromes