Hi there,

I refer to your request for an Airservices assessment of the proposed Dinawan Wind Farm.

Airspace Procedures
With respect to procedures designed by Airservices in accordance with ICAO PANS-OPS and Doc 9905, at a height of 392.9m (1290ft) AHD, the wind farm will not affect any sector or circling altitude, nor any instrument approach or departure procedure at Narrandera aerodrome.

The wind farm will affect the W419 air route. The W419 LSALT between VINOP and MAKIV will need to be increased to 2300ft. This change is not expected to adversely impact IFR operations.

The maximum height of the wind farm without affecting the W419 air route is 335.28m (1100ft) AHD.

Note: Procedures not designed by Airservices at Narrandera aerodrome were not considered in this assessment.

Grid lowest safe altitude (LSALT)
It is our view that the proposed wind farm will impact the published Grid LSALT.

The maximum height without affecting the published Grid LSALT is 365m (1199ft) AHD.

Communications/Navigation/Surveillance (CNS) Facilities
We have assessed the proposed activity to the above specified height for any impacts to Airservices Precision/Non-Precision Navigation Aids, Anemometers, HF/VHF/UHF Communications, A-SMGCS, Radar, PRM, ADS-B, WAM or Satellite/Links and have no objections to it proceeding.

Air Traffic Control (ATC) Operations
There are no additional instructions or concerns from our ATC.

Summary – W419 LSALT
It is our view that the proposed Dinawan Wind Farm impacts Airservices designed airspace procedures, CNS facilities or ATC operations.

The W419 LSALT between VINOP and MAKIV will need to be increased to 2300ft. All amendments to airspace procedures are on a commercial basis.

Summary – Grid LSALT
It is our view that the proposed Dinawan Wind Farm impacts Airservices designed Grid LSALT as currently presented.

The Grid LSALT will need to increase to 2300ft.

Please advise the Vertical Obstacle Data (VOD) team at VOD@airservicesaustralia.com of any need to increase **Grid LSALT** heights at least two (2) weeks before construction commencing by supplying the below information:

- Approved wind turbine locations
- Elevations at the top of the highest point of the turbine in metres AHD
- A copy of this email

Vertical Obstacle Notification
This proposed wind farm is more than 30m (99ft) AGL.

Please follow the below notification process:

1. Complete the Vertical Obstacle Notification Form: ATS-FORM-0085_Vertical_Obstruction_Data_Form.pdf (airservicesaustralia.com)
2. Submit completed form to: VOD@airservicesaustralia.com as soon as the development reaches the maximum height.

For further information regarding the reporting of tall structures, please contact the VOD team:

- Phone - (02) 6268 5622
- Email - VOD@airservicesaustralia.com

Or refer to: Civil Aviation Safety Regulation Part 175 — Airservices and You - Airservices (airservicesaustralia.com)

If you have any further queries, please let me know.

Kind regards,

Alex Blight
Airspace Development & Protection Coordinator

www.airservicesaustralia.com

We acknowledge the Traditional Owners of Country throughout Australia and recognise their continuing connection to land, waters and culture. We pay our respects to their Elders past, present and emerging.