



**Australian Government**  
**Civil Aviation Safety Authority**

AIRSAPCE AND AERODROME REGULATION  
File Ref: G110/1252

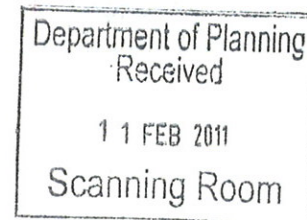
#11

7 February 2011



PCU019431

Ms Dinuka McKenzie  
Senior Planner - Water & Energy  
Infrastructure Projects  
NSW Government Planning  
GPO Box 39  
SYDNEY NSW 2001



Dear Ms McKenzie

Thank you for your letter 10/09150-2 dated 9 December 2010, and the attached CD of the Environmental Assessment, concerning the proposed Capital II Wind Farm, Bungendore.

At this time, CASA has no specific authority to require action for the obstacle marking and lighting of tall structures, including Wind Farms, located away from aerodromes.

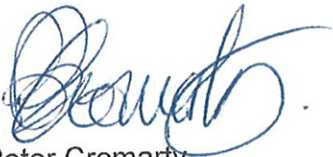
Notwithstanding CASA's regulatory authority, owners of structures which could be hazardous to aviation have a duty of care to aviators. The Environmental Assessment states that the maximum height of the turbine blades will reach 157 m above ground level. Bearing in mind that aircraft are permitted to fly as low as 500 ft (152 m) under normal circumstances, and certain operations are permitted to fly below this height, the proposed turbines are likely to be a hazard to aircraft traversing the area. The fact that this wind farm is adjacent to two other wind farms, the resultant cumulative effect could make the execution of evasive manoeuvres by an aircraft more difficult, thus increasing the hazard. Due to the height reached by the turbines, and the cumulative impact of other adjacent wind farms, it is recommended that the proponent consider their duty of care in deciding whether or not the wind farm should be obstacle lit or other wise marked.

If the proponent should chose to provide obstacle lighting to indicate the presence of this Wind Farm at night, to ensure consistency and avoid any confusion to pilots, the obstacle lighting installation should conform with our Manual Of Standards Part 139, paragraph 9.4.3.4A. Our Manual of Standards is available on our Web Site, [http://casa.gov.au/wcmswr/\\_assets/main/rules/1998casr/139/139mfull.pdf](http://casa.gov.au/wcmswr/_assets/main/rules/1998casr/139/139mfull.pdf)

Any requirements placed on developers by planning authorities, insurers, or financiers, are beyond CASA's control.

Thank you for the opportunity to comment on this proposal.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Peter Cromarty', with a stylized flourish at the end.

Peter Cromarty  
Executive Manager  
Airspace and Aerodromes Regulation