

## Jorge Van Den Brande

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**From:** Tom Nielsen <TomNielsen@goldwindaustralia.com>  
**Sent:** Wednesday, 14 November 2018 5:46 PM  
**To:** Jorge Van Den Brande  
**Cc:** Jeff Bembrick; Medard Boutry  
**Subject:** [WARNING: UNSCANNABLE EXTRACTION FAILED]Post IPC Site Visit - Supplementary Information  
**Attachments:** Yass Valley WInd Farm\_Whitefields Rd Design\_Cardno\_9Nov18.pdf; Coppabella - IPC Site Visit (Nov 18).kmz

Hi Jorge,

Several questions raised by the IPC panel during the site visit were taken on notice or required further information to be provided. These responses are provided below:

1. The supply of a Google Earth (.KMZ) was committed to that displays the route taken during the site visit as well as all vegetation mapping across the indicative construction layout (which is also included for reference). I would recommend turning on the terrain on Google Earth.
2. Question about the Whitefield Rd design which would only require the removal of four hollow bearing trees as required by the Recommended Condition of Consent (Schedule 3, Condition 19(b)). Coppabella Wind Farm Pty Ltd has engaged the engineering firm, Cardno, to develop the optimized design for Whitefield Road which is suitable for the delivery of all oversize loads including the trucks carrying the 71m blades. The design includes a number of roadside pullover areas and limits the removal of hollow bearing trees to four. The road design is attached for the IPC's information.
3. Question regarding the frequency of carcass surveys associated with the Bird and Bat Adaptive Management Plan (BBAMP). The BBAMP required for Coppabella Wind Farm (Schedule 3, Condition 22) is yet to be finalized however experience from a similar sized project recently completed by Goldwind (White Rock Wind Farm), it is expected that formal carcass surveys undertaken by a bird and bat specialist would occur on a monthly basis for the initial two years of the project operation after which the ongoing frequency of formal surveys would be reviewed in consultation with OEH, and to the satisfaction of the Secretary. The White Rock Wind Farm BBAMP can be viewed from the following link as an example of a BBAMP that is expected to be similar in nature to that required for Coppabella Wind Farm: <http://www.whiterockwindfarm.com/wp-content/uploads/2017/07/BBAMP-Report-15009-2.7.pdf>. The 'adaptive' nature of the BBAMP is intended to enable the monitoring and management measures to be adjusted based on the findings from the carcass (and other) surveys. In addition to the formal surveys, the operational staff would be trained to collect and report all incidental bird or bat finds encountered during their work activities with the records incorporated into the bird and bat specialist statistical analyses and reports.
4. Discussion regarding Goldwind Australia's experience with wind farms on complex terrain, as well as the progressive rehabilitation along the disturbance footprint during construction. Photographic examples are provided from the White Rock Wind Farm and Gullen Range Wind Farm showing the impact footprint of various areas during construction compared with the same areas that have been rehabilitated post-construction. Site works including rehabilitation would be required to comply with the following Recommended Conditions of Consent:
  - a. Schedule 3, Condition 18
  - b. Schedule 3, Condition 44
  - c. Schedule 3, Condition 45
  - d. Schedule 4, Condition 1: the project Environmental Management Strategy and associated subplans would detail methods proposed for the progressive rehabilitation across the site.

### Gullen Range Wind Farm

Footprint during construction:



Footprint after rehabilitation:



Note that even on relatively flat ground a larger construction footprint is required to build the roads and hardstands. This is then rehabilitated. Note also the underground cable runs.

### White Rock Wind Farm

Example of construction footprint required on a complex terrain section (prior to rehabilitation).



Aerial photo of the same area midway through rehabilitation works:



Example of another ridgeline at White Rock showing rehabilitation:



If you have any further queries please feel free to get in touch.

Regards,  
Tom

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