



From: admin@aaaa.org.au
Sent: Wednesday, 14 November 2018 10:00 AM
To: Greg Tischljar
Subject: RE: Collector Wind Farm

Categories: Collector

Greg

I am unsure if you received a response to your email in request in October. Please disregard if you have already received AAAA's windfarm development opinion below :

AAAA is opposed to all windfarm developments – including related infrastructure such as wind monitoring towers – in agricultural areas. They represent a direct threat to aviation safety and a direct economic impact on our industry and the farmers we service.

AAAA does not have the resources to provide detailed responses to windfarm development proposals.

The windfarm issue is covered in some detail in our policy on windfarms that you can find at www.aerialag.com.au – under resources / policies.

From that policy you will see we are opposed to all wind towers in agricultural areas and their associated infrastructure. In particular, we have identified wind monitoring towers as a safety threat to legitimate low level aviation. I also refer you to my evidence to the Senate Windfarm inquiry and the death of an agricultural pilot in the US from hitting an unmarked, un-notified tower.

<http://www.aph.gov.au/hansard/senate/commttee/S13670.pdf>

In terms of windfarm and related infrastructure safety, AAAA fully supports the whole of government approach encapsulated in the NASAG National Guidelines and particularly Guideline D that relates to windfarms and wind monitoring towers. You can find more information on the NASAG approach at http://www.infrastructure.gov.au/aviation/environmental/airport_safeguarding/nasf/

If the windfarm comes into operation, I suggest a positive way forward is to engage with local aerial applicators in accordance with our National Windfarm Operating Protocols which are also available on our website – <https://aaaa.org.au/policies/>

Phil Hurst
CEO - Aerial Application Association of Australia



Web: www.aerialag.com.au

Professionalism = aerial application

FACT: Aerial application pilots have a commercial pilots licence, hold a chemical distribution licence and undertake ongoing training throughout their careers

Your sincerely
Jenni Lemmetty
Office Manager / Membership Services



From: Greg Tischljar
Sent: Monday, 22 October 2018 11:43 AM
To: 'admin@aaaa.org.au'
Cc: 'amid@aerialag.com.au'
Subject: Collector Wind Farm

Good Morning Phil,

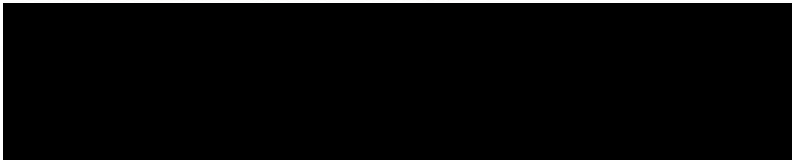
I'm writing to you on behalf of Ratch Australia who is developing the Collector Wind Farm project, located approximately 55 km north-east of Canberra and 35 km south-west of Goulburn, NSW. We are seeking consultation with the Aerial Application Association of Australia in regards to our Development Approval Condition of Consent.

Please refer to the attached letter for more information on the project and an Aviation Risk Assessment undertaken by Rehbein Airport Consulting.

Please don't hesitate to contact me for further clarifications.

Warm regards,
Greg Tischljar
Project Development Engineer

RATCH-Australia Corporation Pty Ltd



This email has been checked for viruses by AVG antivirus software.
www.avg.com

22nd October 2018

John Ferrara
Goulburn Airport
59 Airport Rd
Brisbane Grove NSW 2580

Level 7, 111 Pacific Highway
North Sydney NSW 2060
PO Box 1058
North Sydney NSW 2059
Telephone: +61 2 8913 9400
www.collectorwindfarm.com.au

Dear John,

Collector Wind Farm Aviation Information

RATCH-Australia (Ratch) is developing the Collector Wind Farm project, located approximately 55 km north-east of Canberra and 35 km south-west of Goulburn, NSW (refer attachment 1). The project received development consent from the NSW Department of Planning & Environment (DoPE) in December 2013, and Ratch is currently progressing all required activities to enable construction to commence in early 2019. This includes completing all pre-construction consent conditions, and hence this consultation with Goulburn Airport with condition B12:

Prior to the commencement of construction, the Proponent shall consult with:

- a) aerodrome operators that have an aerodrome located within 30 kilometres of the boundaries of the site, to determine any impact on Obstacle Limitation Surfaces at such aerodromes;*
- b) AirServices Australia, to determine potential impacts on instrument approach procedures at aerodromes, navigational aids, communications and surveillance facilities; and*
- c) Aerial Agriculture Association Australia, to determine potential hazards to aerial application and related operations.*

Feasible and reasonable mitigation measures for each of the potential impacts and hazards identified, shall be determined in consultation with the respective groups identified in this condition, prior to the commencement of construction.

Relevant aviation information

In response to this condition, Ratch engaged Rebhein Airport Consulting to undertake an aviation risk assessment for the proposed project and advise of any mitigation measures to be implemented. The report is enclosed for your information and review, with conclusions highlighted:

- The proposed wind farm will not impact upon aircraft operations to and from Canberra or Goulburn airports, nor Gundaroo ALA.
- It will not interfere with airborne radio or navigation aid performance, and analysis indicates that there will be no impact upon IFR traffic transiting the area on routes W122, W138 and W423.



- Traffic operating under the VFR should not be affected by the proposed wind farm as the structures will be sufficiently conspicuous by day, and en route LSALTs will provide adequate clearance from the turbines for Night VFR operations.
- Investigation undertaken by REHBEIN Airport Consulting suggests the impact, if any, on the Mt Majura Primary Surveillance Radar (PSR) will not be of operational significance.
- Airservices Australia subsequently confirmed that the wind farm proposal would not affect any instrument approach or departure procedure at Canberra or Goulburn aerodromes, nor would the wind farm adversely impact the performance of Airservices' communication, navigation and surveillance aids.
- Analysis suggests that there will be no adverse impact upon aerial agricultural operations in the vicinity of the wind farm and that hang gliding activities near Collector are unlikely to be adversely affected because these operations are conducted during daylight hours when the turbines are clearly visible and the prevailing winds in the area are from the north west which are unsuitable for hang gliding.

The turbines proposed for the project will have a maximum tip height of 150m to be installed in the layout shown in the attached map, and given the conclusions summarised above, are considered unlikely to pose a hazard to aviation.

Further information

I note that additional project information, including project planning and consent documents, is available on the Collector wind farm website, <http://www.collectorwindfarm.com.au>. In addition, I would be happy to provide any further information that may be required by CASA in regards to the project, and welcome the opportunity to discuss directly as necessary.

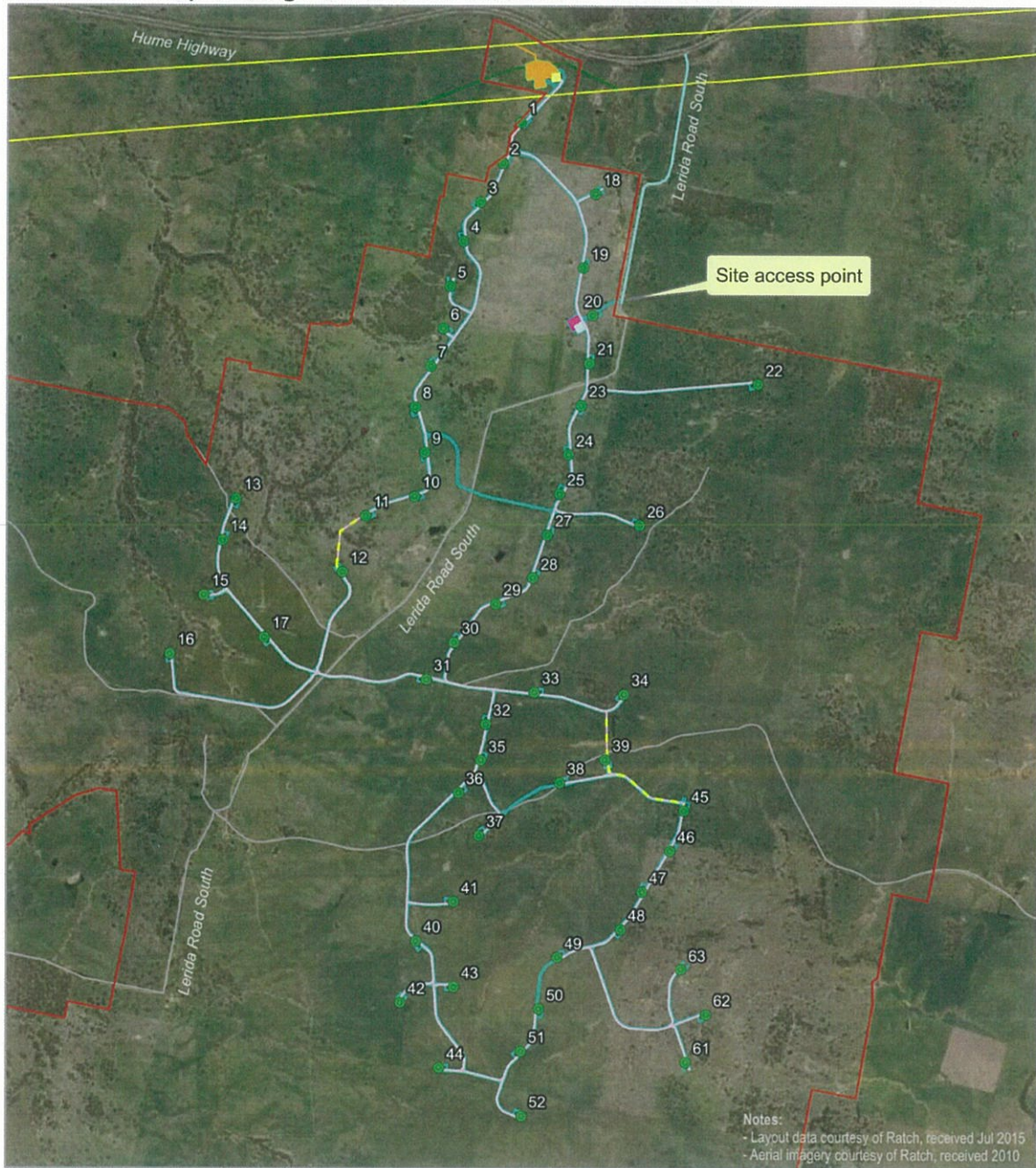
Please do not hesitate to contact me on [REDACTED]

Yours sincerely,

Greg Tischljar















Project Development Engineer

Attachment 1 Map showing the location of the Collector Wind Farm



MODIFIED PROJECT LAYOUT

Collector Wind Farm Modification Application

- | | |
|--|--|
|  Site Boundary |  Modified components |
|  Existing transmission lines |  Modified road layout |
|  Existing roads |  Modified cabling trench |
| Approved components |  New coms cable trench |
|  Approved turbine locations |  New HV line |
|  Approved Switching room/Substation |  Potential overhead line |
| |  Modified Transgrid laydown area |
| |  Modified O&M building & compound |
| |  Modified temporary construction compound |

0 0.25 0.5 1 Kilometres

A4 @ 1:40000
 Ref: 5541-7
 Author: DM





22nd October 2018

DSI
Gundaroo Airport

Level 7, 111 Pacific Highway
North Sydney NSW 2060
PO Box 1058
North Sydney NSW 2059
Telephone: +61 2 8913 9400
www.collectorwindfarm.com.au

Dear Ben,

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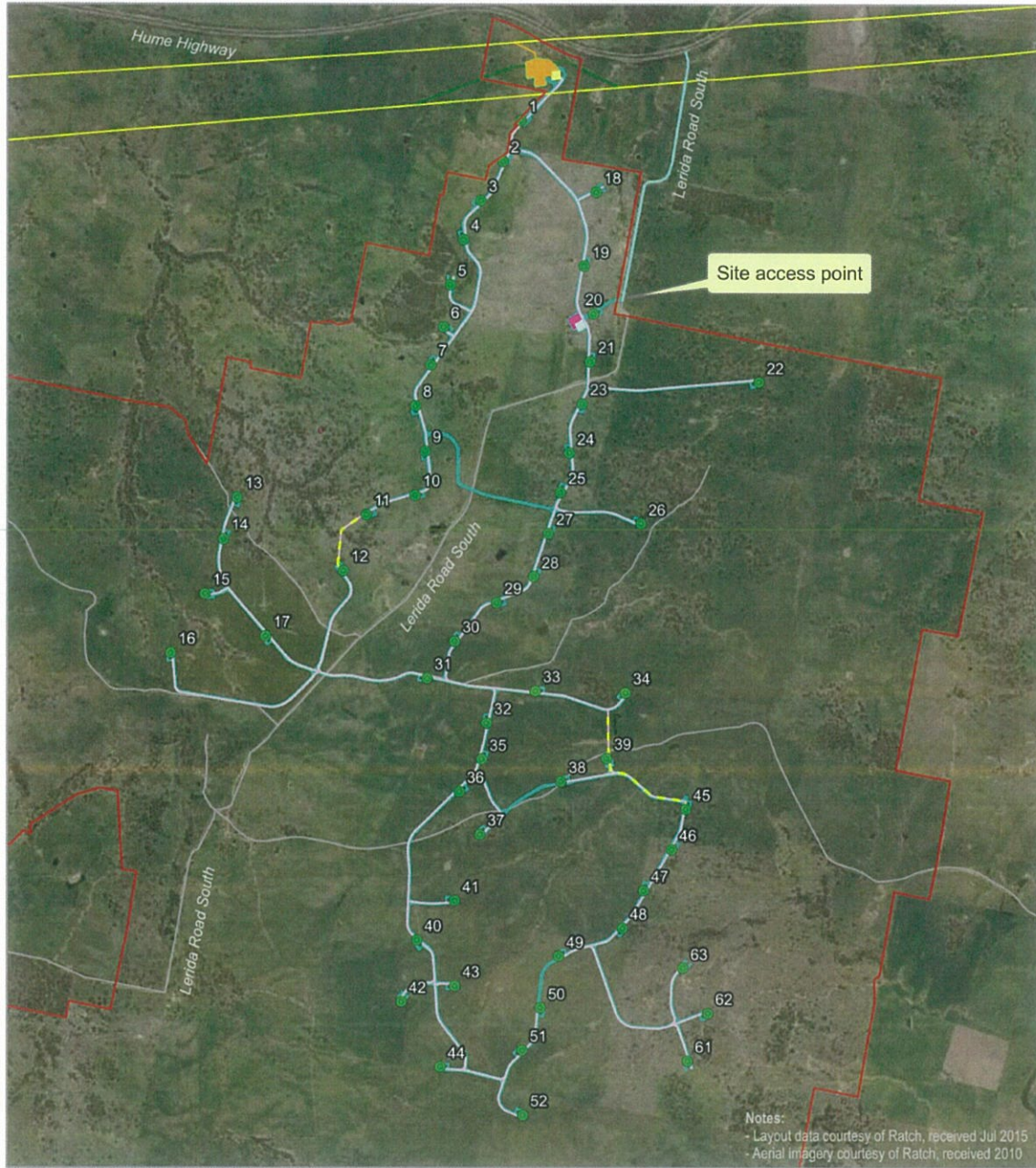
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Project Development Engineer

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