

## APPENDIX 18

---

Email correspondence with Emmajane Langridge, Property Coordinator,  
Broadcast Australia

Email correspondence with David Searle, Network Engineering Manager,  
Prime Television

**From:** Emmajane Langridge [Emmajane.Langridge@BroadcastAustralia.com.au]  
**Sent:** Thursday, 7 May 2009 12:50 PM  
**To:** Ed Mounsey; Samantha Wilderbeek  
**Cc:** Anna Saunders  
**Subject:** Proposed Wind Farm (Cooma-Monaro, NSW) - Broadcast Australia Advice

**Attachments:** 090316\_Boco Rock Wind Farm\_TV Broadcasters\_127WTGs\_109WTGs.xlsx

Hi Ed & Samantha,

I refer to Anna Saunders' email to various TV broadcasters regarding the potential Cooma-Monaro wind farm development near Nimmitabel (16 March 2009 18:10). Broadcast Australia (BA) appreciates the opportunity to provide comment on this proposal.

Wind farms have been known to cause interference known as 'ghosting', particularly to analogue television reception. This is caused by the turbine blades reflecting the television signal in the reception area.

BA has considered the coverage areas of the following sites, located within the vicinity of the proposed development.

BA Site No.	BA Site Name	Area Served
2016	Brown Mountain	Bega/Cooma
2048	Jinderboine Hill	Jindabyne
2225	Mt Roberts	Cooma/Monaro
2086	Nanny Goat Hill	Cooma
2025	Radio Hill RT	Cooma

An assessment of the proposed development has now been completed and BA can provide the following advice.

Out of these transmission facilities, the services from Brown Mountain were the ones most likely to be affected by the introduction of WTGs. The impact of WTGs can create interference into analogue television depending on various factors such as proximity of transmit/receive antennas to the wind farm. This interference which manifests itself as an annoying flickering "ghosting" effect on the TV screen can be caused by reflections off the WTG support structure and/ or the actual rotation of the blades.

The sector under consideration shows that no major population centres fall within the affected area and that it is unlikely that large scale interference will arise. The same cannot be said for the small but not insignificant amount of remote residences which are situated in and around the vicinity of the proposed wind farm (approximately 50 households).

Depending on the timeframe for the wind farm's construction, if it is built in a post-analogue television environment then the operation of the proposed wind farm should not be an issue.

BA does not envisage any significant issues for ABC and SBS television services associated with the proposed wind farm but strongly suggest that Wind Prospect CWP engage an appropriate engineering consultancy to undertake a detailed study as a part of any environmental impact investigations.

Kind Regards,  
Emmajane

---

**Emmajane Langridge**  
**Property Coordinator**  
**Broadcast Australia**

t: (02) 8113 4718

m: 0422 008 393

f: (02) 8113 4646

e: [emmajane.langridge@broadcastaustralia.com.au](mailto:emmajane.langridge@broadcastaustralia.com.au)

 **From little things, big things grow.**

**From:** David.Searle@primetv.com.au  
**Sent:** Wednesday, 19 August 2009 4:36 PM  
**To:** Ed Mounsey  
**Cc:** rroosmalen@scbnetwork.com.au; lederhoseg@wincorp.com.au  
**Subject:** RE: FW: Boco Rock Wind Farm

Good afternoon Ed

My apologies for the delay in responding.

To formalise our response, yes we're happy with the modifications you've proposed below as they would appear to address our concerns appropriately.

However, this mitigation design work has been based on computer modelling with inputs to the best of our knowledge. The impact of any unforeseen signal degradation could potentially impact television viewing for a few thousand people if our signal path is affected.

Therefore, we would like to ensure broadcasters will be afforded an opportunity to review this issue with the wind farm operator should we experience interference to our service once the wind farm is built and/or operational. Should this unlikely situation eventuate we would seek to suitably address and overcome the negative impact on our service that is attributable to the wind farm at the operator's cost.

Ed, I hope this response satisfies your requirement. Please feel free to send back any questions or comments you may have, also copying the other recipients of this email.

Thanks very much.

Regards

David

David Searle | Network Engineering Manager  
Prime Television  
P.O. Box 878  
Dickson ACT 2602  
P: (02) 6242 3700 | F: (02) 6242 3824 | E: david.searle@primetv.com.au | W:  
www.primetv.com.au