

APPENDIX 18

TV Station Responses

Email from Emmajane Langridge, Property Coordinator, Broadcast Australia

Letter from Greg Williams, Broadcast Engineering Manager, NBN Television

From: Emmajane Langridge [Emmajane.Langridge@BroadcastAustralia.com.au]
Sent: Tuesday, 21 July 2009 9:48 AM
To: Adrian Maddocks
Subject: RE: Sapphire Wind Farm - Broadcast Australia Advice
Attachments: Proposed Sapphire Wind Farm - Approx. Location - 14 July 2009.pdf

Hi Adrian,

Broadcast Australia (BA) appreciates the opportunity to provide comment on the Sapphire Wind Farm 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.

The attached locality map indicates BA sites within the vicinity of the proposed development.

BA can provide the following advice.

The proposed wind farm is located in a remote area between Inverell and Glen Innes (24km and 16km respectively from the town to nearest edge of wind farm). This distance is pleasing from our point of view as the further the transmit antenna is from the wind farm, the less likely interference will occur. In general terms as long as the transmit antenna is further than 5km away then interference is unlikely.

The vast majority of people within the general vicinity reside in either of these two towns. These viewers are too far away from the wind farm for it to cause any interference into their TV viewing. However, there are a number of isolated residences in the vicinity of the wind farm which are at a greater risk - still quite low - of experiencing some interference than those people living in/near the towns. On the plus side, with the exception of one residence, all wind turbine locations appear to be at least 1km from any of the inhabited residences (refer pages 3 and 4 of the Wind Prospect CWP document).

All residences in the vicinity of the wind farm are well within the coverage of the Mt Dowe service south west of Inverell, so there are alternative options to the local translator services of Inverell and Glen Innes (Carpenters Hill). Another pleasing aspect is that ABC and SBS digital TV is available from all three of the abovementioned sites.

BA does not envisage any significant issues for ABC and SBS TV 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

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



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Dear Adrian,

Below is an excerpt from an email from Ron Roosmalen (Southern Cross Ten). This reflects the position of all three commercial broadcasters servicing Glen Innes and the surrounding area.

Wind Prospect CWP Pty Ltd proposes to build a wind farm in the Sapphire district between Inverell and Carpenters Hill which is the transmitter relay site for Glen Innes. Due to the proximity of the proposed wind turbines, there is potential for certain of these turbines to cause interference to existing TV services to viewers located in and around Glen Innes. The interference can manifest itself in 2 possible ways. The worst case is that the action of wind turbines could cause interference to the signal incoming to the Glen Innes TV translator from the parent site, Mt. Dowe. This being the case, the interference will be passed through the translator and affect all viewers of the Glen Innes TV services. The other case is where the action of wind turbines directly affect TV reception locally incoming to the viewer's TV receive system. This could cause degraded reception in parts of the coverage area. The potentially affected broadcasters (NBN, Southern Cross Ten & Prime, the Commercial Broadcasters) would be extremely concerned if either of these cases came about as a result of the proposed wind farm. Accordingly, for the Commercial Broadcasters to consent to the development of the Sapphire Wind Farm, the Commercial Broadcasters require an undertaking that in the event that unacceptable interference to Television is services received by viewers of the Glen Innes TV translator is caused by the erection of the Wind Turbine project, Wind Prospect CWP Pty Ltd will remedy such interference and will do so in a timely manner.

Best Regards,
Greg

Greg Williams

Broadcast Engineering Manager

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