

Transparency, lack of knowledge and misinformation of proponent Goldwind.

- Initially I was the person who informed both the Department of Planning and Goldwind the Transgrid designation for the Transgrid transmission line that Goldwind intended to connect their Coppabella wind farm to. The transmission line is known as the 99M

Since I informed both Goldwind and Department of Planning and Environment they both now freely refer to the line as the 99M.

- At the Coppabella CCC Thursday 8th November I asked Tom Nielsen, what was the mechanical protecting on their underground 33KV cables? He was unable to answer me that.

Yet Page 3 of Transcript to IPC Determination meeting 29-10-2018

Mr Nielsen has no issues with spruiking that Goldwind have ***“over 20 years of experience in the wind industry, one of the largest wind turbine manufacturers. Globally we have over 44 gigawatts of wind power installed with over 28,000 turbines installed worldwide.”***

Yet Mr Nielsen has no idea how Goldwind give mechanical protection to their underground 33KV cables?

- During the IPC Determination meeting 29-10-2018 according to the transcript page 4 Mr Nielsen is referring to Transgrid upgrading the 99M to take the full 280MW of power from the Coppabella wind farm. Yet **10 days** later Mr Nielsen announces at the Coppabella wind farm CCC that Transgrid are constructing a new line from the substation that TransGrid will build to accommodate power from the Coppabella Wind farm through to Yass 132KV busbar, entailing construction of another “bay” (Air Break Switches, Earth Switches, Current Transformers, Current Voltage Transformers for protection, Circuit Breaker etc) at Yass 132KV Yard.

My question is this is it possible that this new line has been known about for a much longer period?

Seemingly the miraculous appearance of a whole new Transgrid transmission line and associated “bay” at Yass 132KV yard would take longer than 10 days to bring to fruition?

Goldwind were never going to get their Coppabella wind farms rated 280MW into the 99M when according to Trans Grids figures.

- When asked how wide the access tracks for Coppabella wind farm on the 6th March Coppabella CCC meeting, response from Tom Nielsen was 5.5 meters.

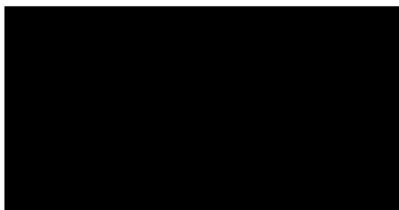
Yet when I was gleaning through the transcript of the IPC Goldwind Determination Meeting 29-10-2018 I see that under questioning by members of the IPC Mr Nielsen is quoting figures of 10.5 meters, based on a 5.5-meter track with 1.5 metre wide shoulder and 1 meter drains.

Thus, following the original claim by Mr Nielsen of a 5.5-meter road after reading the transcript, I proffered the question at the Coppabella CCC 8th November 2018 to Mr Nielsen why for Coppabella are you only cutting a 5 meter wide access track whereas at Gullen Range to get smaller components on site than you envisage for Coppabella you used a 14 meter wide access track? That’s when Mr Nielsen came clean to some extent, on access track widths.

- Decommissioning “no” NSW Wind farm Decommissioning Legislation-Recommendation from 1st March 2018 to Decommission. Goldwinds’ Project Manager repeatedly uses the term “Regulatory Commitment” in response to email to Mr Nielsen re Decommissioning in a written reply he replied “Such funding mechanism focus on allocating income from a project in the back end of that projects operational life”

Attention to requirement for Coppabella if a turbine has not been used for 12 months decommission that turbine.

John McGrath



Glady 2 May 2017

Coppabella Wind Farm
IPC Meeting 12th November
2018
John McGrath
Addressing;
Lack of Transparency and clarity of Proponent Goldwind
Possible Lack of Decommissioning of Coppabella Wind Farm and possible consequences
of approving
Yass Valley Wind Farm modification SSD 6698 Mod 1
including potential fire risk increase.

Qualifications and background.

- Born and have lived in the Yass District all my life
- Raised on property and still have property and livestock interests on Black Range Road Yass
- Qualified licenced electrician NSW and South Australia.
- I worked for TransGrid for 15 ½ years January 1981 to 19th July 1996
- Elected Deputy Captain Bowing Fire Brigade-46 years experience with fire control commencing December 1972

Lack of Transparency/Clarity by Goldwind

- Decommissioning
- Information on underground high voltage cabling
- Perceived delivery of generated power to TransGrid

Lack of wind farm decommissioning legislation in NSW

There's only Guidelines for wind farm decommissioning in NSW.

Wind Energy Guidelines
State significant wind energy development **December 2016**

Whole NSW wind farm industry runs on Guidelines and **variables.**

Only since 1st March 2018 recommendations that proponents self fund decommissioning expenses
Images from redundant overseas wind farms

Chris Ince

Lack of Transparency/Clarity of Proponent for Coppabella Wind Farm GOLDWIND

- Depth of 33KV underground cables and mechanical protection within the "footprint" of the Coppabella wind farm, whilst Tom Nielsen Coppabella Wind Farm Project Manager, appears to be correct with a minimum depth of 750MM AS/ANZ 3000 for a high voltage cable such as 33KV (33,000Volts) he is at a loss to verbally give me details of mechanical protection of these cables.
- Yet Mr Nielsen states page 3 Transcript of IPC Determination Meeting with Goldwind re Coppabella -*"over 20 years of experience in the wind industry, one of the largest wind turbine manufacturers. Globally we have over 44 gigawatts of wind power installed with over 28,000 turbines installed worldwide."*

Existing loading of 99M-

Specific response from TransGrid after supplying your query:
The ratings of the TL's are publicly available from AEMO
Therefore Goldwind where never going to be able to deliver 280MW

Season	Day / Night	Normal Rating (MVA)	Contingency Rating (MVA)
Summer	Day	125	137
	Night	125	138
Autumn / Spring	Day	125	143
	Night	125	141
Winter	Day	125	141
	Night	125	154

Wind Farm Subsidies

• **Every wind farm and solar farm is subsidised**

- Subsidises raised through the production and sale of Renewable Energy Certificates
- Federal legislation forces energy distributors to buy these RECs and then subsequently pass on those charges to consumers.

Thus higher cost of electricity accounts to consumer.

Goldwind Plan To Pay TransGrid annuities.

Thus is this extra costing also going to be passed down to the consumers?
 Obviously the proponent Goldwind will be able to say no it's not our wind farm it's the cost of the poles and wires?

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Blade Tip Speed.

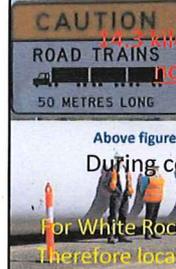
White Rock Wind Farm Blade
 blade, weighing 16.5 tonnes and 59.5 meters in length



Coppabella have asked for an increase of at least 36% from 60 to 70 metre blade lengths under SSD 6698 Modification !
 Comparison to Road Train Length
 2 trailer road train 36.5 M
 Triple and AB Quad road trains 53.5M



Blade, weighing 16.5 tonnes and 59.5 metres in length
 Goldwind for Coppabella requesting 70 Meter Blades.



CAUTION ROAD TRAINS 50 METRES LONG

14.3 kilometers 3960 tonnes for 80 turbines
 non-recyclable resin & fibreglass
 Per wind farm.

Above figures of tonnage and lengths work for White Rock
 During construction of White Rock wind farm
 For White Rock 500 oversized loads passed through Walcha.
 Therefore local roads and traffic are to be adversely affected



Potential for igniting fires-very real
 City or foreign based maintenance employees who have no understanding of for instance the implications of hot work on Very High Fire Danger Total Fire Ban Days



Images of Curandooley Fire Ignited within the footprint of Capital Wind Farm 17-01-2017
 20th 21st January 2018 I attended the Taralga Fire overnight ignited within the footprint of the Taralga Wind Farm

Thank you for your attention

Any questions?