

Planning Services,

Department of Planning and Environment,

GPO Box 39 SYDNEY NSW 2001

Submission due 28 November 2016,

RE: BANGO WIND FARM PROJECT (SSD 6686): This letter is sent to advise total objection to the above project on the following grounds;

Background:

As a 50 acre, rural farm residents since 2000, we have struggled and worked extremely hard over these years, towards renewing the trees and environment and aesthetics of the property, which as a consequence has successfully developed its own Eco System that now houses and attracts many **endangered birds and species**, this includes noted numbers increasing **of the endangered superb parrot only familiar to this area**. To achieve this we have devoted many, many hard years manually carrying hand buckets watering trees all around and surrounding the property, through an incredibly tough drought.

The reason for this task has been working towards the development of a Yoga & Meditation Retreat that will encourage much business to the Yass District. Obviously, a major factor for a business such as this, is to draw corporate people, and all types of business professionals and people who are interested in their own health and wellbeing that may have very stressful lives , who would experience the most up to date research and practices in Yoga Therapy and Meditation and Gentle Backcare.

The most relevant and appealing factor/s for this location being a magnificent view from this farm across Kangiara, all the way back to Yass in a 360 degree view of the surrounding rural and natural horizon and the most obvious the peaceful quiet and tranquil environment where there are many endangered birds and wildlife. We believe that the local community do not clearly understand how very close these large complex (industrial type machinery) 122 of them...., 200 meter tall, with 70 meter x 3 wing spanned wind turbines will sit in this view? as yet, we estimate just between 8-10 kilometres???. Details also of the large transformer for electricity into the grid and impacts of this?

It is our understanding that a cluster known as the **Kangiara cluster**, as we are **only recently** informed, we have only heard mention of Rye Park or the Bango Wind Farm further north closer to Boorowa, why has this changed???. this has not been clearly consulted!! it is **TOO CLOSE** in proximity of the "village" area (which a group of community residences occupy) as I understand directly in front of this project of **122** x 200 meter high, 70 meter wing spanned complex industrial type wind turbine machinery will sit? With at least one whole 1/3rd of the W/Turbines, directly impacting this small residential community! no consideration been given to this in the planned proposal? We reside across the Lachlan Valley Road from this

village. Initial viewing on vague documents and poor consultation do not seem to indicate the exact proximity that can clearly show where we could have considered and researched and responded earlier to these serious impacts. The cluster known as **the Kangiara cluster** appears to disproportionate to the whole distribution of this massive wind farm. A map has recently been provided as attached which indicates only the closest WT.

It was only in **October 2016** that we became aware of such a major project which involves the installation of 122.... **200 meter high 70 meter wide winged spanned Wind Turbines** at the Bango Windfarm Project! We later learnt that this has been under discussion since **2011??**. When we received the *very broad and general brochure* left in the mail box which stated that the Wind farms would be 20 kilometres from Yass, Bango is not a very well known area, or one we are very familiar with, so I was most distressed to discover that this in fact will be only **3** kilometres from our farm? With confusing mapping as to the proximity and impacts, we can now see they also move closely to the village over a very small area given the massive industrial concept of them in this peaceful quiet community. Again, this was only notified within the last month?? This has not allowed proper analysis of the proposals and impacts clearly to residences.

So we now, list the highlighted and sincere concerns and *strong objections*, as we become more aware, in this short time...and continue our own informative ongoing research impacts to this *very poorly* consulted project. A project that should ethically apply current research and standards of practice into the current known risks to major health issues and issues for those that live nearby these massive industrial machines and the lack of consideration of ethics in the sense of the health and wellbeing, disruptive life impacts for our small country community and the risk to life of any endangered species by applying such narrow and lack of depth of research and outdated guidelines.

- 1 Ineffective consultation:** Administration of this project has been extremely weak/poor, and not meeting ethical standards, and as a professionally trained Consultant in Health & Safety, and consultation, only becoming aware of the final stages in October 2016 and needing to research and respond via submission by 28 November 2016, finding out that it has been under discussion since 2011? *Is totally unfair and unacceptable.*
 - Poor consultation not clear on the approximation of the wind turbines to the property only recently advised as **3 kilometres** to the house? It would appear that we will have impacts **from 122???** of these massive 200 meter high 70 meter wide winged spanned turbines , and **3** clusters of these directly positioned, so that they will have significant impact on residences including a group of residences at the "Village" at Kangiara, requests have been made for a clear map indicating their distances not currently available to **clearly to** describe this clearly to these residences? Like, us until recent we believe they do not clearly understand the impacts of this proposal, through lack of effective consultation. We cannot clearly understand how close these massive machines in context to their size and effects of infrasound, are to these properties

- There appears to be minimal guidelines and standards applied with a policy still in draft not being applied to this proposal? This proposal which be one of the largest in size in numbers in NSW! needs to apply the qualified report from Mr Steven Cooper of WWW.Accoustics.com.au Acoustics expert as already referred to in the Rye Park project.
- The following discussion/article is referenced in this next point:
Podcast/Discussion, Available expert knowledge and awareness:
<http://waubrafoundation.org.au/resources/podcast-zoomer-radio-am740-goldhawk-interviews-kevin-dooley/>
Article:
<http://waubrafoundation.org.au/2016/poor-sleep-health-may-contribute-inflammatory-disease-neuroscience-news-july-6-2016/>
The need to apply this research from qualified specialist's in sound and acoustics' to the health effects with reference to understanding that whilst studies have been undertaken, in this proposal, they are *weak in their analysis* and guidance and more analysis needed to consider health effects which are available through, experts such as Kevin Dooley Turbine Engineer, Fellow of Emerging Sound Technology /infrasound., which discusses in depth, serious health effects, papers and readings (from known acoustic experts in this field that are qualified!) that infrasound can be detected up to **125 kilometres** from turbines and our farm is just 3 kilometres away from 122 x 200meter high 3 winged 70meter spanned industrial turbines. The depth of the clusters was requested for clarification and was not provided. We estimate between just 8-10 kilometres??<http://waubrafoundation.org.au/>
- An understanding, that guidelines have been used based on *South Australian Guidelines* ? The Planning Department said NSW is in *Policy draft* and will NOT apply to this project? This is not acceptable? This places residence at health risk.
- Ineffective Guidelines and lack of application and analysis of serious health and impact reports and qualified standards not applied? This criteria is very weak in its analysis, and not transparent as to the important implications and wellbeing of those living in this area.
- Climate change: Was there no consideration of these huge sized wind turbines extended from 176m proposed to a massive 200m and what process consideration/consultative process examined recent weather events in S A effects from tornados on infrastructure as a risk to health and safety ?
- Bushfire impacts? What about fires in this area, where is the consultative analysis of this? And any affects of these Wind turbines? There is no proper consultative analysis. Who responds to emergencies what maintenance is carried out?



Reference: **Google wind turbine disasters**

- The perpetual... what is described as “annoyance” health effects of “infrasound” this is of deep concern: health effects as briefly described as, continued nausea like sea sickness and unable to sleep (disturbances) which leads to common more serious illness through inflammatory disease these are well proven factors for these causes.
- A well known understanding that this project WILL cause health impacts to our community and my elderly parents (middle 80’s whom I care for) and clientele and visitors to the farm. This is taken from reports from an existing meditation retreat living in close approximation to wind turbines, who are now unable to practice *meditation relaxation for stress release*.
- The health implications include a continuous disturbance of sleep due to the effects of **infrasound**, which can increase inflammatory diseases core of most serious disease.

2. Critically endangered species:

Effects on protected species from the 122 x 200 meter high, 70 meter wide wing spanned wind turbines, species such as the critically endangered superb parrot. Surely losing just one.... critically endangered superb parrot is of deep concern, this is one of the only areas they reside in, these wind turbines are a serious threat to their existence. What consultation with whom??

- Other species, such as, protected bats which we understand **heads explode** when approaching these wind turbines.
- What consideration of other countries who are applying much more effective solar power; India, Spain etc etc which leaves Australia looking ridiculous?

3. Visual impacts: A concern of visual impacts to the property and value/implications. Lack of any detail of how this will cause impact, due to “vague” mapping...?

4. Traffic: The ineffective consultation of traffic impacts the enormous disruption and project in moving some 122 x 3 x 70 meter wind turbine arms weighing up to 80 tonnes..... using out of date road data, that is based on old statistics, ignoring the impacts of some 80 tonne loads travelling for about **2 years damaging** an already well known dangerous and only two lanes, unsafe road, with one blade estimated at 70 meters long. How does this work what consultation has taken place to consider the enormity of moving these objects and 122 200 meters high, 70 meter wide wing spans, of them? Who has been consulted in your management plan? This is an already a very dangerous, unmaintained 2 laned road.

5 Lighting: Due to these massive industrial Wind Turbines (increased in size from 176 to 200 meters tall and 70 meter wing spanned wide), we understand will light up the surrounding night skies 24/7, to remain alight for aviation safety??? Surely height restrictions and cluster size is well above any realistic safe height?? Where is the consultation? Who with?

Finally and importantly I request a statement in writing as to who will be taking responsibility for and effects from these well known health effects when they occur, as a result of this project, as proven in current respected and qualified research, and how it will affect our community including, our family

and other clientele and our small village of friends, and visitors to our farm and we seek an approval that you will indemnify against these health effects as a result of this project and these large industrial wind turbines.

To also confirm who will be responsible for this? Will it be the Planning Department?, the Operator? or the Acoustic professionals? who has consulted to a level of information that does not even ethically seriously consider this community lacking an in depth impact with supported analysis and research for the protection and wellbeing of its community from serious life illnesses and disruption?

We have only had a very short time to review what is available due to poor and ineffective consultation, much more is available and we will continue this investigation to pursue this.

Please view the attached document of pictures as we leave you with this question....

Would you live here?? if this project is allowed to continue?. Would you like this in your own... backyard?

Submission via :

http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=6686

Reference:

Professionals advocating independent research:

<http://waubrafoundation.org.au/health/professionals-advocating-independent-research/>

Google wind turbine disasters

https://www.google.com.au/search?q=pictures+wind+turbine+disasters&client=firefox-b&tbm=isch&imgil=8nEb60rChmkkMM%253A%253BOnu48lnZZ9q9iM%253Bhttp%25253A%25252F%25252Fwww.voicesagainstturbines.co.uk%25252Fsafety-accidents%25252F&source=iu&pf=m&fir=8nEb60rChmkkMM%253A%252COnu48lnZZ9q9iM%252C &usg=__trV-xWZAAT6GqXNI9uGD3LEg-yA%3D&biw=1366&bih=657&ved=0ahUKewj80pfYzMPQAhXGnZQKHaj4CGIQyjcIKQ&ei=DAU4WPycDsa70gSo8aOQBg#imgrc=8nEb60rChmkkMM%3A

Google **search birds killed by turbines**

<https://savetheeagles.wordpress.com/birdkill-pictures/>

video

<https://www.youtube.com/watch?v=8NAAzBArYdw>

This submission is supported by **8** other concerned persons.

