



KAIT MANCHIP	OBJECT	Submission No: 165486
Organisation:	Key issues: <i>Biodiversity, Visual impacts, Noise and vibration, Heritage, Agricultural impacts and land use, Physiological - infrasound noise / electromagnetic interference / shadow flicker / blade glint</i>	
Location: <i>New South Wales 2354</i>		
Submitter Type: <i>I am a member of the community with a view about the proposed development</i>		
Attachment:		

Submission date: 3/24/2024 5:32:24 PM

Date 22/3/24

Submission to

NSW Independent Planning Commission

Suite 15.02 135 King St , Sydney NSW 2000

Re Proposed Thunderbolt Wind Farm SSD-18087896

I oppose this proposal on following grounds :

1) *Noise pollution is inadequately addressed in this proposal. Noise mitigation turbine designs have not been specified. Why? Noise data provided is not relevant to the specific model (size/height/ blade shape) or geographic terrain of this specific plan. Given that there is readily available information on noise mitigation blade design and tower design, I request the blade design be specified before approval. I request best practice noise pollution reduction design should be mandated for the project.*

Sound minimizing modifications such as "gearbox damping to reduce resonant vibration from drivetrain and gearbox, Blade trailing edge serrated design or trail edge brushes, porous blade surface, Blade tip pointed shape rather than blunt, air foil design, "angle of attack" control systems for minimum noise/maximize performance.

Reference: Article by Hansen and Hanson 2020 "Recent Advances in Wind Turbine Noise Research" School of Mechanical Engineering University of Adelaide and College of Science and Engineering Flinders University

I request a compliant noise assessment of the project, using specific turbines to be used, before approval.

2) *Lack of a definite plan for compensation to nearby residents for noise stress, land devaluation, possible effects on stock. I request Neoen publish a detailed compensation plan of immediate and surrounding neighbours to the site, and any effected properties, before approval is granted.*

3) *Currently occupied residential farming blocks could become uninhabitable due to noise pollution, in direct opposition to current government housing initiatives, during a national housing crisis.*

4) *Lack of End of life decommissioning funding or plan for removal.*

5) *Ecological aspects, where bird life mortality & displacement can result in isolated population overgrowth of certain insects, resulting loses to grazing land.*

6) *I propose Voluntary Planning Agreement and Community Benefit Fund should be administered by a local organization and funding should be allocated to directly benefit the impacted communities namely Kentucky, South Kentucky, Wollum, Bendemeer, Balala.*



New South Wales Government
Independent Planning Commission

I request the following conditions of consent be added:

Noise reduction technology be applied to the design for this project.

To include an end of life decommissioning plan for removal and funding for such.

I support "Green Energy", done right. I believe projects should be driven primarily by environmental concerns, not driven purely by profit. I am in favour of Solar farms in New England, as a preference.

Yours Sincerely

Katherine (Kait) Manchip

Resident [REDACTED]
