

TILT MOD-1 Submission

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I am strongly opposed to the proposed TILT wind power project modification.

Key Points:

1. Approximately 10km North and upstream of us. Approved 165m turbines would not be overtly visible.
2. TILT powerline route to Ulan-Wellington 330kV line acceptable, in fact we signed a powerline easement option with Epuron several years ago. The easement affects the back corner of one of our properties.
3. This was the only wind turbine project in the area, which we could accept.
4. The adjacent proposed ACEN 148x250m turbine project - a second project - together they are too much.
5. Due to the second large project and the undemocratically imposed CW REZ, transmission infrastructure has also grown and become more problematic, and affects mainly non-host landowners, including us.
6. The cumulative negative effects of ALL the projects, including the transmission infrastructure and future REZ growth plans per AEMO, need to be considered now, not this modification in isolation.
7. The cumulative impact on one small town and community is too great, and is inequitable when, for example, the coastal 'TEAL' electorates face no such projects.
8. TILT MOD-1 has a massive 52% increase in turbine tip height.
9. 250m turbines are visible to many more people, and in greater quantity, despite the modest reduction in numbers. The number we will see has almost tripled.
10. Infrasound noise impact is also greater from larger turbines - more current and relevant noise/pressure wave analysis should be undertaken, as it is likely all of Coolah township will now be affected, as well as rural neighbours.
11. 'micro-siting' of the 250m turbines has resulted in them being moved OUTSIDE the prior Approved project footprint.
12. The amount of earthworks needed on steep black country will be an insurmountable erosion problem during any heavy rain. ~260km of roads and assembly pads plus excavation for

turbine bases WILL result in massive erosion during every heavy rainfall event.

13. If approved, a condition of the Modification should be that 'pier' rather than massive 'gravity' type turbine foundations be used. These would use less concrete and require less excavation, and thus reduce the erosion risk.
14. Water use of 621ML during construction, aimed to be sourced from local bores, will negatively affect neighbouring agricultural stock and domestic water supply. Water is essential to life and cannot be substituted. TILT must guarantee water supply to all existing landowners and make good any resulting reduction without legal haggling or foot-dragging at the time.
15. Turbine blades erode and shed epoxy particles containing Bisphenol-A, an endocrine disrupter. The EU recommends less than 0.00001 grams per kg bodyweight per day, and these Bisphenol-A particles contaminate adjacent water and land creating a toxic hazard to life forever. Disposing of old blades in landfill is another source of contamination. Clean food production in our region will be jeopardised as well as the health of residents.
16. The project has many unsatisfactory issues, but the increase in turbine size, growth outside of the approved footprint and greater box woodland and critical species impact, means that this modification should not be approved. It should be listed as a New Development and assessed against the latest knowledge and as a whole with the other REZ projects.