

Increased size of towers and blade lengths for Rye Park region due to approval of Mod1  
SSD 6693

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3rd June 2020

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To whom it may concern

Following on permission for DPIE to submit further submissions Mod 1 SSD 6693 TILT Renewables Rye Park wind farm I wish to submit an objection against Mod 1 SSD 6693 and future construction by TILT Renewables of Rye Park wind farm for the following reason, increased tip height to 200 meters meaning extra lengths in blades causing imbalance, therefore causing excessive vibrations (a very much larger form of an out of balance tyre on a motor vehicle-with a peripheral tip speed in excess of 300KPH) right through to the concrete footing for these towers of Rye Park wind farm:

As anyone of us realise an unbalanced tyre on a motor vehicle will ultimately stress not only the peripheral of the tyre but ultimately extends stresses further into the wheels bearing and steering components, meaning more maintenance, and costing money?

Whilst TILT Renewables spruik more efficiency from higher longer bladed towers the reverse is the case?

Australia is both the "Guinea Pig" and testing ground for wind towers to a tip height of 200 metres, with the world's first land based 200 meters towers being constructed by CWP at their Sapphire wind farm between Glen Innes and Inverell.

Essentially TILT Renewables by applying for a 200M tip height increase of 71% in RSA (Rotor Swing Area) are essentially setting themselves up for excessive ongoing maintance to blades, bearings, tercel/generator from shudder through the machine down the support structure into the footings impacted by a never ending "earthquake" affect meaning the concrete will ultimately be pulverised as earth, rocks and buildings are in a real earthquake, which is dimensional in time.

Thus, ultimately this massive increase in maintance will mean an equally massive increase in maintance staff visits to the site of the Rye park wind farm thus even more traffic through both Rye Park and Boorowa?

I suggest strongly before the people from the NSW DPIE making the decision on Mod 1 SSD 6693 TILT Renewables Rye Park wind farm, avail themselves of the time to investigate the findings of this website.

[https://www.sereema.com/solutions/windfit-rotor-balance-monitor?c=fglo5yd5&gclid=Cj0KCQjwuJz3BRDTARIsAMg-HxUbBjQxsxl8IjM9rz0u4sbCflbKL7FGD\\_p6o9q9q1ItYbuEShvbUI0aAmDLEALw\\_wcB](https://www.sereema.com/solutions/windfit-rotor-balance-monitor?c=fglo5yd5&gclid=Cj0KCQjwuJz3BRDTARIsAMg-HxUbBjQxsxl8IjM9rz0u4sbCflbKL7FGD_p6o9q9q1ItYbuEShvbUI0aAmDLEALw_wcB)

Regards John McGrath