

John McGrath  
"Yowerweena"  
Black Range Road  
Yass NSW 2582  
Ph. 0408268173  
kiamba1953@gmail.com  
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To whom it may concern

I wish to submit an objection against modification and future construction of the Flyers Creek Wind Farm, State Significant Development Application Number Mod 4 for the following reason;

Increase in blade length, RSA area and machine output in MW when the proponent claims to have a much more efficient machine available?

Why is it that when a wind farm proponent discovers that they have a much more efficient generator/turbine that they have then in turn to apply for an upgrade to a larger turbine, also an application for a turbine blade length increase, thus increase in RSA as well as MW?

My question to the NSW Department of Planning and Environment is;

Why allow automatic increases in turbine blade length, thus increase in RSA as well as MW upgrade to a larger turbine, as applied for by the proponent, **if the proponent alleges that the newer turbine is more efficient?**

Surely the proponent Infigen has electrical engineers in their employ that can do the Mega Watt output figures for any given turbine the proponent required well in advance.

My limited electrical understanding (worked in the electrical industry since 1973 including over a decade with Transgrid) of electrical machinery is that efficient increases means decreases in size, for instance the size of a 3HP single phase electric motor from 3 or 4 decades ago is now surpassed by the same output from a physically much smaller machine.

Thus, more efficiency equates to a smaller machine for the same output?

As opposed to Infigen's **request for more efficiency** which equates to a 40% increase in turbine output from 3MW to 4.2MW

Therefore, I implore the NSW Department of Planning and Environment to hold firm against any wind farm proponent that has had an original plan approved, indicating then that the NSW Department of Planning and Environment should require that proponent to stay stum, **especially since they the proponent have not shown the ability to complete correct electrical calculations for their initial application.**

Looking forward to your positive consideration of my submission

Your sincerely

John McGrath