

# Palmer Wind Farm

Newsletter  
Edition

5

September  
2023

**The Palmer Wind Farm would help reduce Australia's carbon footprint by generating up to 300MW of clean energy when constructed. That's enough to power up to 150,000 South Australian homes. The Project will also bring investment and benefits focused on the surrounding community.**

Recent advances in turbine technology mean we can significantly reduce the Project Area with fewer, taller turbines and bigger setbacks from existing dwellings. This change would more than halve the number of turbines required and reduce the Project area by over 5,000 hectares.

## Project Update

The varied design for the Palmer Wind Farm is progressing well. Following discussions with our neighbours we have moved some proposed turbines to further reduce the impacts on the surrounding community. We have provided these changes to our specialists who are now undertaking detailed assessments on the varied design.

### SIGN UP & STAY INFORMED

Make sure you are signed up to receive updates by hovering over the QR code. For further information on the Palmer Wind Farm please contact us at [info@tiltrenewables.com](mailto:info@tiltrenewables.com) or on 1800 WE TILT (938 458).



## Project Information

Indicative Capacity:  
Approximately 300MW

Construction Period:  
Approximately 18-24 months

### Project Status:

Seeking to vary approved design to:

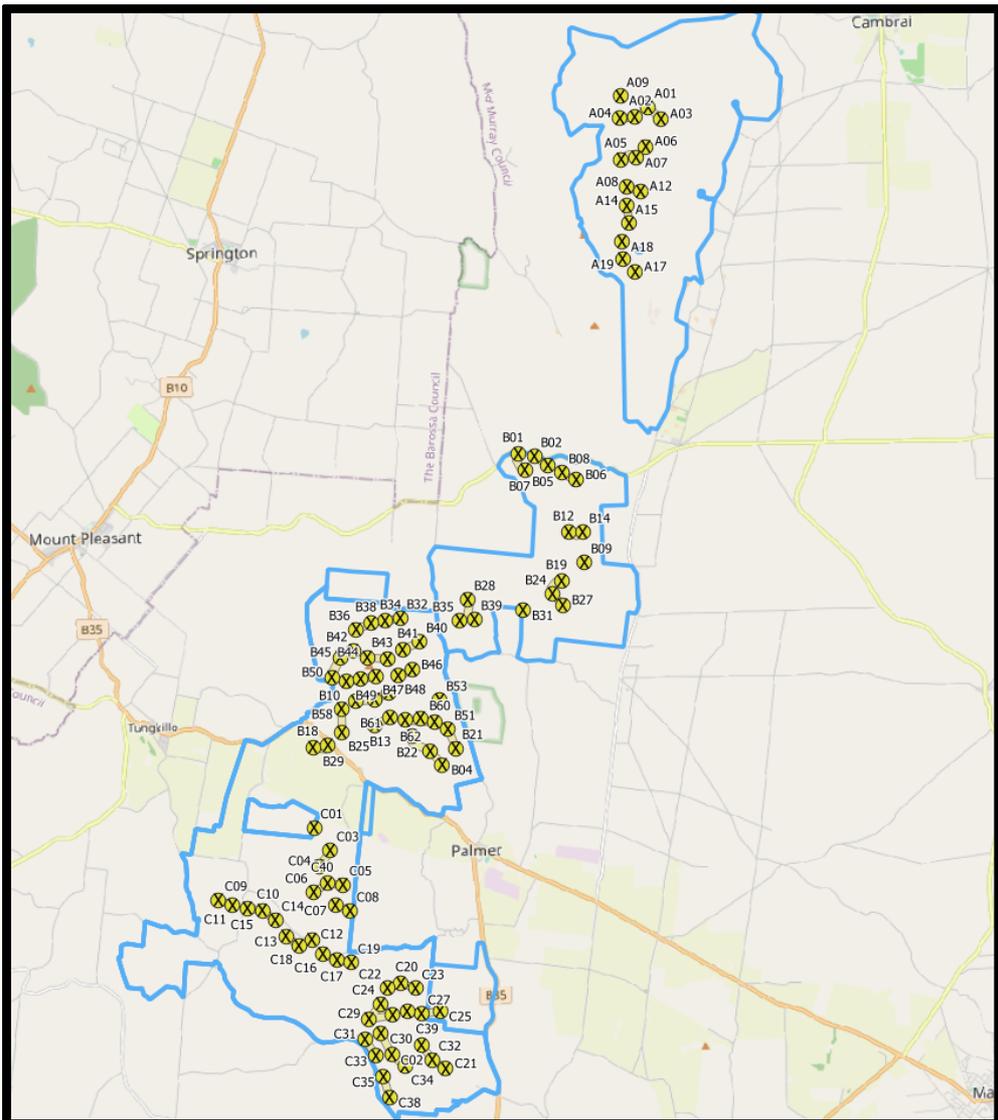
- Reduce footprint by 5,000 hectares
- Reduce turbines from 103 to 42
- Increase height up to 220 metres

## Summary of proposed design changes

We are proposing significant improvements to the approved design of the Palmer Wind Farm, including a reduction in the Project footprint of over 5,000 hectares (see map below). The table below summarises the other proposed changes to the Palmer Wind Farm.

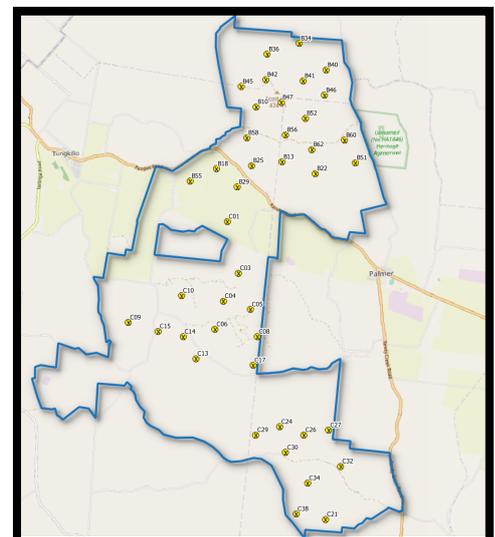
Item	Approved Design	Revised Design	Change
No. of Wind Turbines	Up to 103	Up to 42	58% reduction
Tip height	165 metres	Up to 220 metres	33% increase
Maximum turbine power output	3.6 MW	7.2 MW	100% increase
Indicative Project Capacity	300 MW	300 MW	No change
Greenhouse gas emissions avoided annually	305,000 tonnes	305,000 tonnes	No change

Table 1: Approved design compared to the varied design



**Approved Design:**  
103 Turbines

**Revised Design:**  
42 Turbines



## Consultation

We would like to thank everyone who has shared their feedback about the proposed changes to the design of the Palmer Wind Farm. Feedback has included support for:

- the reduction in the Project Area
- the reduction in the number of turbines
- moving turbines near Stoney Banks Road further south from property boundaries

However, the proposed revisions to the design will still have impacts and we've had a number of discussions with our neighbours and the broader community about these. The table below outlines some of the more common themes coming from these discussions as well as how we're proposing to address these.

Feedback theme	What we're doing
<b>Why reduce the Project footprint?</b>	New turbine technology presents an opportunity to achieve the same amount of generation with fewer turbines. This allows us to significantly reduce the Project Area by over 5000ha, which in turn, reduces the impact on the environment and the community.
<b>Impacts on birds during operations</b>	We've undertaken additional flora and fauna surveys to confirm nest locations and the presence of important species. As part of the revised design we're proposing to increase buffers in specific locations to avoid adverse impacts on these populations.
<b>Landscape and visual amenity at specific dwellings</b>	The Palmer Wind Farm will alter the landscape. While the revised design would reduce impacts to the north there will still be changes to the landscape and impacts on visual amenity at specific dwellings. To understand the extent of the impact we are undertaking a visual impact assessment and will share the results with the community, including photomontages. We are also looking at opportunities such as funding tree screening on neighbouring properties to help mitigate the changes.
<b>Noise impacts on dwellings</b>	The design allows greater setbacks from dwellings, with the nearest non associated dwelling a minimum of 1.5 kilometres away. We are also undertaking noise modelling to ensure our design complies with state requirements which are designed to protect the amenity of dwellings. The results will be made publicly available.
<b>Environmental impacts of construction</b>	Our design team are looking at ways to minimise the level of disturbance during construction. Already the turbine locations, access tracks and potential laydown areas have been sited to avoid important ecological sites. We will use construction methods that minimise disturbance and impacts on the environment, and progressively rehabilitate areas following construction.
<b>Engagement approach</b>	In discussions with our neighbours and the broader community, we received suggestions about important groups to engage and different methods we can use. The resulting discussions have been very valuable for the varied Project design and our understanding of what else can be done to improve our engagement.
<b>Fire and emergency services</b>	The Project would significantly improve emergency services access to the site through the provision of better access tracks. Recent experience on our other windfarms has shown that we can also quickly coordinate with emergency services to enable aerial access for firefighting as well.
<b>Benefit sharing</b>	We've received several valuable suggestions in relation to benefit sharing. These are helping inform the development of our benefit sharing plan for the Project which will commence in construction and carry through the life of the wind farm. Closer to construction we will engage more extensively on the benefit sharing plan to ensure it is tailored to the needs of the community.
<b>Life of the wind farm</b>	We expect the Project to operate for a minimum of 30 years and with careful maintenance we hope to extend this further.
<b>Decommissioning</b>	Rehabilitation and decommissioning is Tilt Renewables responsibility. When the time comes, we will remove the turbines and other infrastructure in consultation with the host landholders. The majority of the turbine is recyclable as it is largely composed of steel and other recyclable materials. We are also working with industry to develop new uses for the turbine blade materials once they reach their end of life.

## Investigations

You may have seen an increase in activity on site as our team continue the studies required to inform the varied Project design. Currently, we have the following assessments underway and will share the findings later this year:

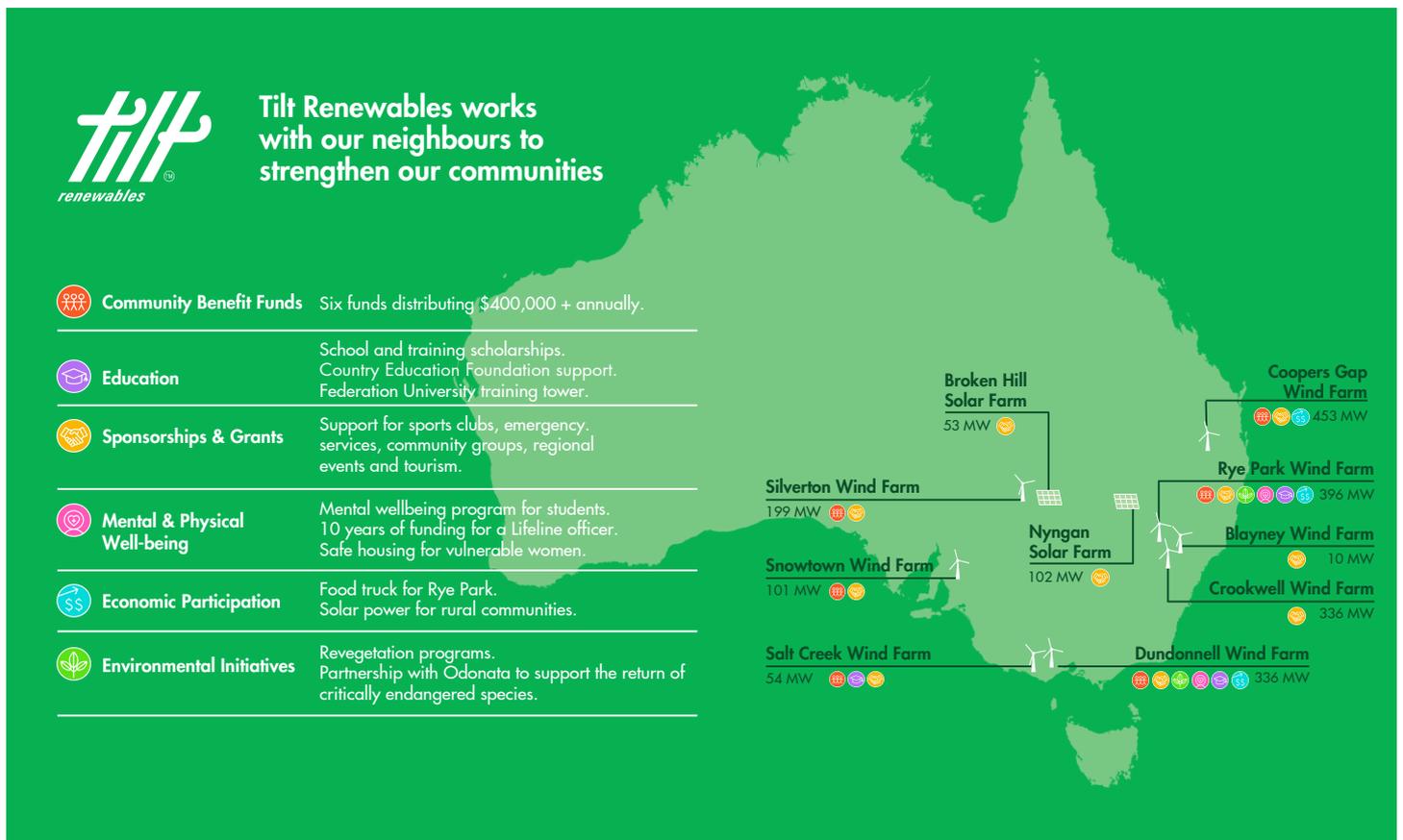
- Aviation
- Ecology
- EMI
- Heritage
- Landscape & Visual
- Noise
- Planning Report
- Shadow Flicker
- Transport

## Benefit Sharing

**We're proud to announce that we will be supporting both the Cambrai and Palmer Cricket Clubs for the upcoming season. We wish both clubs the best of luck and look forward to reporting back on how they go next season.**

Benefit sharing is central to how we deliver our Projects. To see an example of what we've been able to achieve in consultation with communities around our other wind and solar farms, see the map below.

Please reach out to us if there are groups or initiatives that should be considered as part of the benefit sharing plan for the Palmer Wind Farm.



For more information please visit the project website or contact us:

**Website:** [www.tiltrenewables.com/assets-and-projects/Palmer-Wind-Farm](http://www.tiltrenewables.com/assets-and-projects/Palmer-Wind-Farm)

**Email:** [info@tiltrenewables.com](mailto:info@tiltrenewables.com) | **Phone:** 1800 WE TILT (1800 938 458)