



# Dundonnell Wind Farm

Newsletter  
Edition

22

April 2020

## At a glance

**Project status**

Under construction

**Maximum capacity**

336MW

**Location**

23km north-east of  
Mortlake, Victoria

**Investment**

\$560m project

**Turbines**

80 turbines

**Blade tip height**

189 metres

**Host landholders**

12 wind farm host  
landholders over  
approximately 4500 hectares

**Transmission connection**

38km of 220kV overhead  
transmission line and a  
new substation

## The times they are a changin’

As we enter the second quarter of 2020, we have the time to take stock and reflect on how much has happened so far this year.

While construction and commissioning works continue at the Dundonnell Wind Farm site, we have implemented specific and diligent measures to reduce the risk of spread of COVID-19.

Tilt Renewables and contractors would like to take this opportunity to state that we are closely monitoring these measures and changes to the wider situation as they develop. The measures put in place will be frequently reviewed and amended as required.

Notwithstanding this, a huge project milestone was achieved on 11 March 2020, with the successful first generation of electricity from the Dundonnell Wind Farm. Electricity is officially being exported into the grid and sold into the National Electricity Market, contributing to Victoria’s legislated Renewable Energy Target (VRET) of 50 per cent renewables by 2030.

Tilt Renewables Chief Executive Deion Campbell said the company was thrilled with the achievement.

“Dundonnell Wind Farm is the largest project to gain support under the Victorian Government’s VRET Auction initiative and is proudly the first of those supported projects to begin generating renewable electricity for the people of Victoria,” he said.

Wind turbine commissioning and testing will continue over the coming months, with operations targeted for quarter three 2020.

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[dundonnellwindfarm@tiltrenewables.com](mailto:dundonnellwindfarm@tiltrenewables.com)



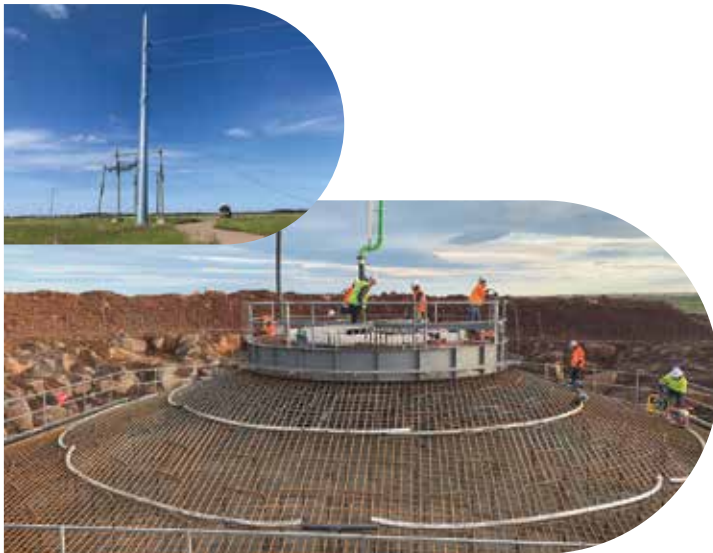
## Project Update

Turbine installation continues to progress with a total of 37 turbines installed and work underway on another 27 turbines.

While the wind farm continues to export electricity into the grid, tower sections and turbine component deliveries are ongoing from Portland and Geelong.

Another major civil milestone has been achieved with the final foundation poured. Across the 80 foundations, more than 60,000 cubic meters of concrete has been poured.

Civil works will continue to close out following the completion of access tracks, hardstands and foundation construction, with a handful of foundations to be backfilled. Trenching of the cable network has also been completed with a total of 67.7 kilometres of trenching dug and 45.7 kilometres of cable installed.



Clockwise from right: Assembling the wind turbine tower components with a LG1750 crane, foundation pour, transmission line (completed).

Construction of connection assets is complete and the team is now focussed on rehabilitation and project close out works.

During April there will be works to rehabilitate temporary construction areas along the transmission lines (e.g. revegetation around the base of each pole). AusNet Services will be managing these works. The team is nearing completion of the road maintenance program, after which traffic conditions will return to normal.



## Transmission line and Blue Gums Substation

AusNet Services have constructed 38 kilometres of 220kV transmission line and substation. A reminder that the line is now complete and therefore should be treated as live. Energisation allows for testing and commissioning of turbines at the wind farm site.

## AusNet Services

For information about the transmission line or Blue Gums Substation, please contact the AusNet Services project team at: [ddwf@ausnetservices.com.au](mailto:ddwf@ausnetservices.com.au) or on 0490 211 787.

## Blade event

More than 50 people attended our Tilt Renewables blade viewing event at the Woorndoo Recreation Reserve on Wednesday, 4 March.

One Vestas V150-4.2MW 73.7 metre turbine blade was parked and cordoned off on the edge of the road reserve. The display was a portion of what becomes part of a 150-metre diameter rotor, the largest rotors anywhere currently in Australia.

The afternoon saw a crowd of about 60 people gather to view the blade and find out more information about wind turbine technology and construction.

Seeing the technology up close is something the team at Tilt Renewables wants to share with the community.

Food and drink were available for a gold coin donation, with the proceeds going to the Woorndoo Land Protection Group, who will use the funds at their revegetation site next to the road reserve.

### Blade FAQs:

- How much does the blade weigh?  
The blade weighs in at 17 tonnes, with its widest point being 4.2 metres. Each set of three blades is balanced within 100 kilograms of each other, representing a 0.6 per cent margin of difference.
- How long is it?  
73.7 metres.
- How is it attached to the hub (centre point of rotor)?  
With 101 bolts internally attached which are 470 millimetres long.
- What are the spikes for?  
The spikes running the length of the blade are called serrations and are designed to reduce noise by disrupting vortices of air that form at the trailing edge of the blade as it rotates.
- Are they resistant to lightning-strike?  
Each of the blades has a lightning protection system internally installed, consisting of copper cap impregnated into a composite material at the tip and conductors that run through the length of the blade.
- Where is it made?  
A purpose-built factory in Yangzhou, China, which makes only that particular blade.
- How does it arrive?  
By escort from Portland in the early hours of the morning.



Tilt Renewables Project Manager Matt Glass with local kid, Mitchell Leske



The 73.7m blade parked at the Woorndoo Recreation Reserve

## 2020 Salt Creek Wind Farm Scholarship winner announced

Last month we attended the presentation event to announce the successful recipient of the Salt Creek Scholarship.

Ethan Lewis from Warrnambool impressed the jury with his positive attitude and drive. He will be undertaking a double degree of Science and Global Studies alongside a Diploma of Indonesian at Monash University.

Together with the Coy family (our host landowners at Salt Creek Wind Farm), we are pleased to be able to provide this scholarship.

The Salt Creek Wind Farm established the annual Scholarship of \$30,000 to a deserving local applicant who can illustrate the benefits the scholarship can offer him or her. The primary objective is to provide support to potential scholars, who might not otherwise be able to manage a tertiary education as a result of the associated costs they face due to living away from home.

Salt Creek Scholarship recipient Ethan Lewis with Peter Coy, host landowner at Salt Creek Wind Farm



View from the top of a turbine's nacelle



## Offsite Landscaping Program

Letters have been distributed to dwelling owners within five kilometres of a wind turbine, offering eligible dwellings participation in the landscape screening program.

Soon we will be offering eligible dwellings a site visit by Tilt Renewables and a qualified landscape architect to review turbine visibility from their dwelling. If appropriate, a landscape mitigation plan will be developed.

The program will remain open to eligible dwelling owners six months after the wind farm has commenced operating.

For enquiries about eligibility, please email: [dundonnellwindfarm@tiltrenewables.com](mailto:dundonnellwindfarm@tiltrenewables.com)

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