



Dundonnell Wind Farm

Newsletter
Edition

20

December
2019

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

189m

Host landholders

12 wind farm host
landholders over
approximately 4500 hectares

Transmission connection

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

Project update

A lot can happen in a year!

Since starting work in January, our construction teams have overcome a wet winter and rocky site terrain to be more than half way through the planned construction period of the Dundonnell Wind Farm.

This year we have:

- Upgraded eight kilometres of the southern section of Woorndoo-Streatham Road.
- Constructed an access track network reaching more than 30 kilometres (only 20 kilometres to go).
- Poured over half (44/80) of the turbine foundations, with an additional nine excavated.
- Fixed around 3000 tonnes of steel in the turbine foundations and mixed 23,000 cubic metres of concrete on site.
- Laid around 15 kilometres (of a total of 68 kilometres) of internal cabling between turbines.
- Established an on-site quarry and produced a steady supply of gravel and rock products, resulting in saving around 250,000 tonnes or 7,500 trucks of material from having to be transported to site.
- Transported the first of many turbine components to site, some being made internationally, while others are being made in Victoria (in Portland and Geelong).
- Erected the first two turbines, which stand from ground to tip at 189 metres tall.

Over the coming months civil works will continue, however, there will also be a shift in focus as more turbine components arrive on site and turbines start to be erected.

You will notice the smaller cranes (300T) erect the first two of five turbine tower sections (total lift = ~150T), before a larger crane (750T) follows to install the remaining tower sections, nacelle, hub and three blades (total lift = ~520T). Turbine erection will continue until around mid-2020.



Turbine blades (approximately 73.5m long)

Transmission line and Blue Gums Substation

The Connection Assets team has poured 85 per cent of the foundations (116) and 70 per cent of transmission line poles have been erected (95).

The majority of works along Mortlake-Ararat Road and Castle-Carey Road have been complete, however, some traffic management will still be required during stringing activities and while road maintenance works are undertaken.

Lattice transmission line towers have been constructed to connect the Blue Gums Substation to the Mortlake Power Station terminal station.

Civil works are all but complete at the Blue Gums Substation, with the last layer of gravel and minor works remaining. The 500/220kV transformer has been delivered to site and installation has commenced.

About half of the primary electrical works are complete, including the installation of primary equipment such as circuit breakers, surge arrestors and disconnectors. Secondary cable pulling and termination has commenced and is ongoing.

Stringing works (including by helicopter) will occur over the coming months. The timing for this activity is weather dependent.

As the line is strung some sections will be installed with powerline markers, with the aim to make the line easier to see by birds, to avoid collision.



Stringing of transmission line along Castle-Carey Road



CFA site familiarisation visit



Assembled nacelle from the Vestas Renewable Energy Hub in Geelong

Fire safety

Fire safety is a key focus of the teams as we enter the fire season. We understand fire risk associated with our works and have implemented a variety of preventative and reactive controls across the site.

We regularly communicate with the local, group and district CFA organisations and have recently arranged proactive meetings to discuss the upcoming fire season, what will be occurring on our site and then preventative and reactive measures that will be employed.

Offsite Landscaping Program

In the new year we will be sending out letters to dwelling owners within five kilometres of a wind turbine, offering eligible dwellings participation in the landscape screening program.

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.

Wind Turbine Technician training

At Federation TAFE

Federation TAFE has launched a new scholarship program, with the first three scholarships offered for the Global Wind Organisation Basic Technical Training (GWO-BTT) course. Three scholarships will be offered annually for the next 10 years, funded by Tilt Renewables.

A shortage of qualified wind turbine technicians opens job opportunities for tradies looking to change career.

The course is offered at Federation TAFE's SMB Campus in Ballarat. It is supported by industry members and provides the entry level qualification required by the majority of turbine manufacturers. It provides training on basic understanding of a turbine and its maintenance requirements. Those with an existing trade qualified (i.e. an electrician, auto mechanic or mechanical fitter) are eligible for the course.

If you are looking to enter the renewable energy sector, to work as a wind turbine technician, we encourage you to contact Federation TAFE. The course costs \$3500 per student.

For information please contact Alana Cornwell on either 0353279015 or via email at a.cornwell@federation.edu.au.

More information on the scholarships provided by Tilt Renewables can be accessed from the Federation University Australia website at <https://federation.edu.au/connect/foundation/supporting-the-foundation/scholarships/foundation-tafe-scholarships/tilt-renewable-energy-scholarship>.



Lifeline's Suicide Prevention Services for the Great South Coast

Tilt Renewables is funding an employee for Lifeline's Great South Coast Suicide Prevention Services, a key initiative of the Dundonnell Wind Farm Benefit Sharing Program.

In this newsletter we chat to Linda Holland, Suicide Prevention Officer, from Lifeline South West Vic (SWVic).

Can you tell us a little bit about Lifeline South West Vic, and the Suicide Prevention Services for the Great South Coast?

Here at Lifeline we support our community across our five Local Government Areas by offering our National Crisis Line 13 11 14 which operates 24/7. Lifeline also has a text service 6pm-midnight on 0477 13 11 14 and a Crisis Support Chat Online via www.lifeline.org.au

Crisis support workers based at Lifeline SWVic are part of the national Lifeline network of support. It is so important for local people to know that a chat with someone can often allay problems they are having from reaching crisis point. We do encourage people to give us a buzz when things are getting tough in order to assist them, often a problem you have at 3pm in the afternoon can amplify in intensity at 3am when you are in the dark.

Know that we are always on the end of the phone and there to listen to and support you.

What services do you offer?

We deliver several training programs around suicide prevention, intervention and postvention to help local people build Suicide Safer Communities.

We can all learn suicide first aid skills and help save a life.

One of our programs, Mind Your Mates, is a free 45-minute presentation that we deliver to workplaces, sporting clubs, in fact, anywhere there is a group of interested people. Mind Your Mates has been a huge success across the district and we encourage anyone interested to invite us to come to you and your organisation/club etc.



We also have a three-and-a-half hour program called safeTALK and a two-day ASIST course that offers everyone over 15 the skills to "recognise the signs of suicide, ask the question and know how to assist the person with thoughts of suicide". These are such important life skills to attain that also have an OH&S benefit for businesses across the Great South Coast.

How can people access your services?

Our office phone number is 5559 0555 and we would love to hear from community members about how best Lifeline can support them. We look forward to supporting our local community as only Lifeline can.

Holiday Update

Construction works will slow down for the holiday period. Most site activities, including component deliveries, will stop for a well deserved break between 23/12/2019 and 2/1/2020, however a skeleton crew will keep some time critical activities moving at both the wind farm and Blue Gums sites.

The team at Tilt Renewables wishes you a happy, healthy and safe holiday season. We thank you for your support, acceptance and feedback through 2019 and look forward to a positive 2020.

MERRY
Christmas



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