



# Liverpool Range Wind Farm

Newsletter  
Edition

2

May  
2020

A year has flown by, but a lot has been happening behind the scenes.

Tilt Renewables acquired the Liverpool Range Wind Farm project from Epuron in March 2019 to expand our portfolio of renewable energy projects in New South Wales.

After a brief period of review to better understand the project, we have commenced a range of technical assessments to optimise the design of the wind farm and kicked off discussions with key project stakeholders.

We continue to liaise closely with our wind farm landowners and regulators, regarding the current project planning activities.

Despite the complexities involved with the current COVID-19 restrictions, due to the ready access to electronic forms of communication (email and phone) the situation has had little to no impact on our ability to communicate with key stakeholders, and we continue to progress the development of the project. We encourage you to still get in touch with us via email or phone should you have questions about the project.

The following project update outlines the work underway in order to embark on a modification to the approved project, as well as a timeline for upcoming engagement. We will be reaching out closer to August to invite community members to attend project information sessions.

## Project Update

### Design review:

- Turbine layout optimisation review (ongoing)
- Electrical and civil design (commenced December 2019)

### Ecology gap analysis (completed January 2020)

**Offset sites** (strategic work underway to find suitable sites) (nearing completion)

### Agency consultation to-date:

- Department of Planning, Industry and Environment (DPIE): January 2020 – Modification assessment pathway confirmed
- Biodiversity Conservation Division (BCD): February 2020 – biodiversity assessment pathway confirmed

### Environmental impact assessments

(experienced consultancy team appointed):

- Aviation Impact Assessment
- Biodiversity Assessment
- Aboriginal Cultural Heritage Assessment
- Landscape and Visual Impact Assessment
- Noise Impact Assessment
- Traffic Impact Assessment and Over-dimensional (OD) Route Assessment
- Road Upgrade Assessment
- Electromagnetic Interference Assessment
- Shadow Flicker Assessment

## Proposed modification at a glance

At this stage, it is our intent to prepare a Modification Application. The above-mentioned assessments currently under preparation will inform the Modification Application, and therefore the exact changes to the approved project are not yet known.

Despite this, the modifications to the approved project are likely to involve the following:



**Reduction in the number of turbines**  
and an increase to turbine tip-height



**Review of road upgrades**



**Addition of Battery Energy Storage System (BESS)** at the connection substation



**Realignment of ancillary infrastructure**  
(e.g. access tracks, underground cabling etc.)

We are preparing a schedule of community consultation and engagement to discuss proposed modifications to the project. A proposed timeline is included further in this newsletter.

To help inform the detailed modifications to the approved project, in the coming months we will be looking to install two new meteorological monitoring masts ('met masts') that will gather wind speed data at higher elevations. Despite us having a good knowledge of the wind conditions of the area, this additional data will provide further certainty of the available wind resources, inform further environmental assessments, and assist with negotiations with banks to secure finance (if required) to construct the project.



## Project Snapshot

### Turbines

Up to 267

### Installed capacity

About 1000 MW

### Project investment

\$1.5 billion

### Project status

Planning and environmental approvals received, modification application yet to be lodged.

### Environmental benefits

The project will provide enough clean energy to power more than 500,000 homes and save 2.3 million tonnes of greenhouse gas emissions, the equivalent of removing 750,000 cars from our roads.

### Economic benefits

A Community Enhancement Fund will operate for the project, providing \$3000 per wind turbine per year for community investment. The project will also generate a massive increase in revenue for local businesses including (but not limited to) accommodation providers, hospitality businesses such as cafes and hotels, service stations and fencing contractors.

### Employment

Up to 800 direct jobs during construction and up to 47 full-time staff during the 25 plus years of operation.

## Community Consultative Committee

Community Consultative Committees (CCC) play an important role in ensuring proponents engage with the community and stakeholder groups on State Significant Development (SSD) Projects.

Members of the Tilt Renewables team were introduced to the Liverpool Range Wind Farm CCC during an informal meeting in April 2019. Since then, two more CCC meetings have been held – one in September 2019 and more recently via teleconference under social distancing requirements due to COVID-19, in March this year.

Meeting minutes can be found on the project's webpage: [www.liverpoolrangewindfarm.com.au](http://www.liverpoolrangewindfarm.com.au)

## Timeline for upcoming engagement:

Next CCC meeting	→ August 2020
Community information session - project update	→ Q3 2020
Modification Application pre-lodgement community consultation sessions	→ Q4 2020
CCC meeting	→ December 2020

## Sharing the benefits

Tilt Renewables is committed to open and honest dialogue with all stakeholders, with an aim to build and enhance community acceptance and trust in all projects and in the renewable energy industry as a whole. We are committed to being a positive community member and are proud of our record for providing support to local communities that makes a real difference.

### Voluntary Planning Agreement (VPA)

Tilt Renewables has entered into a VPA with Warrumbungle Shire and Upper Hunter Shire Councils for the Liverpool Range Wind Farm. The objective of the VPA is to assist with funding for community enhancement and road maintenance projects in the area surrounding the project site. The total amount of development contribution per annum to the host councils will be the greater of:

- \$3,000 (increased by CPI) per installed turbine per year, distributed to both Warrumbungle and Upper Hunter councils (77% for a Community Enhancement Fund (CEF) and 23% for a Road Maintenance Fund); or
- \$100,000 as a minimum should the above calculation be lower than this amount prior to all the turbines being constructed.

A committee, made up of independent community members from both shires and council members, will be established to assist with the administration of the CEF prior to the commencement of construction, which is when the payment of the development contributions will commence.

The CEF will be allocated to short-listed grant applications received from the community. All grant applications must be able to demonstrate the nature of the public purpose likely to accrue to the community within 20km of a turbine or 5 km of a new powerline.

### Benefit Sharing Plan

In addition to the VPA, Tilt Renewables is looking at other initiatives and contributions that would provide support for the local community as a result of the development.

We have started conversations with various community groups to cultivate an understanding of how Tilt Renewables can further contribute positively to projects in the community, with a particular focus on social inclusion, the arts, education, energy and health.

To help establish our presence in the community, we have already begun funding smaller initiatives. For instance, in late 2019, we sponsored the local theatre group, Octagon Players' production of Barbeque by Darryl Peebles. Contributions were also made to the Castlereagh Referee's Association and the Coolah Roos' Rugby Club.

We are all looking forward to discussing the project and associated community benefit opportunities over the coming months. In the meantime, we welcome your ideas and invite you to contact us by email: [liverpoolrangewindfarm@tiltrenewables.com](mailto:liverpoolrangewindfarm@tiltrenewables.com) or on 1800 WE TILT (938 458)

### Goods and Services Register

A wind farm brings many direct opportunities for employment to the region during both the construction phase and ongoing operations once the wind farm is commissioned. Flow-on employment benefits will also be created as the project brings demand for local business services and consumer goods.

A range of skills, materials, and services that may be required by the wind farm project include:

- Domestic scale electricians
- Transport operators
- Competent machine operators
- General labourers
- Quarries
- Concrete businesses

We're continuing to build a list of local businesses and capabilities for our Goods and Services Register. Should you wish to be included, please register your interest by completing the form on this page: <https://podio.com/webforms/11895570/1096976>





## AUSTRALIA AND NEW ZEALAND ASSET MAP

### Our projects in NSW:

- Crookwell Wind Farm (Operational): 10 MW (15 turbines) commissioned 2000
- Blayney Wind Farm (Operational): 5 MW (8 turbines) commissioned 1998
- Rye Park Wind Farm (In Development, consented): Development Consent granted (2017) for up to 92 turbines and 157m tip height. Modification Application submitted in April 2020 for 80 turbines with 200m tip height. Investment \$650 – 700M
- Liverpool Range Wind Farm (In Development, consented): Development Consent granted in 2018 for up to 267 turbines and 165m tip height. Plan to optimise. Investment potentially up to \$2B (1 GW plus project)
- Actively assessing further renewable energy and storage opportunities in NSW
- Renewable Energy Zones and the NSW Electricity Strategy present further development opportunities

### Other operating sites:

- Salt Creek Wind Farm: 54 MW (15 turbines) commissioned 2018
- Snowtown 1 Wind Farm: 101 MW (48 turbines) commissioned 2008
- Tararua 1 & 2 Wind Farm: 68 MW (103 turbines) stage 1 commissioned 1999 (now 20 years old!), stage 2 commissioned 2004
- Tararua 3 Wind Farm: 93 MW (31 turbines) commissioned 2007
- Mahinerangi Wind Farm: 36 MW (12 turbines) commissioned 2011

### ...elsewhere we have two major projects under construction:

- Dundonnell Wind Farm, south-west Victoria (80 turbines, 336 MW, 200 construction jobs)
- Waipipi Wind Farm, New Zealand (31 turbines, 133 MW, 150 construction jobs)

### Get in touch.

If you have any queries about the project, the benefit sharing program or possible business and employment opportunities, please do not hesitate to contact us.

**Web:** [www.liverpoolrangewindfarm.com.au](http://www.liverpoolrangewindfarm.com.au)

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

**Postal Address:** PO Box 16080 Collins St West, Melbourne Vic 8007

