

Liverpool Range Wind Farm

Newsletter
Edition

6

June
2021

We are pleased to confirm that pre-lodgement consultation activities regarding our proposed Modification Application to the Liverpool Range Wind Farm Development Consent have now been scheduled.

MARK YOUR CALENDAR

We are planning for consultation activities to take place during the week of Monday 5 July to Friday 9 July 2021.



Drop-in consultation sessions will be held Tuesday to Thursday however we will also be in the area on Monday and Friday for one-on-one catchups on those days, subject to availability. The purpose of pre-lodgement consultation is to get feedback on the proposed modifications to the Development Consent, prior to lodgement of an application with the NSW Department of Planning, Industry and Environment (DPIE).

While consultation on the proposed modifications will take place during this week, we are always available to take your calls or respond to your emails. Alternatively, the Liverpool Range Wind Farm Project webpage (www.liverpoolrangewindfarm.com.au) is your go-to source for up-to-date project information.

During the week commencing 28 June 2021 we will upload and make available on the Project webpage a suite of consultation material relating to the Modified Project, such as but not limited to, printable fact sheets, maps and photographic depictions of the Approved and Modified projects. If the spread of COVID-19 impacts on travel to conduct face-to-face consultation, we will be in touch to propose alternative consultation dates.

Below is the general schedule for the drop-in consultation sessions planned for 6 - 8 July 2021.

TUESDAY, 6 JULY

Coolah Sporting Club

10.30am – 12.30pm
Drop-in information session

12.30 – 1.30pm
Technical specialist presentation
in-person + webinar:

Noise: Sonus Pty Ltd

1.30 – 7pm
Drop-in information session

WEDNESDAY, 7 JULY

Coolah Sporting Club

10.30am – 12.30pm
Drop-in information session

12.30 – 1.30pm
Technical specialist presentation
in-person + webinar:

**Visual impact: Moir Landscape
Architects Pty Ltd**

1.30 – 7pm
Drop-in information session

THURSDAY, 8 JULY

Cassilis Bowling Club

10.30am – 12.30pm
Drop-in information session

12.30 – 1.30pm
Project Information Session - General
In-person + webinar:

Tilt Renewables

1.30 – 7pm
Drop-in information session

Hard copy feedback forms will be available at each session, as well as an online feedback form that can be completed on the Project webpage. We will keep it open for the two weeks following 9 July. We will collate all feedback received and report back to the community on what we learned prior to lodgement of the Modification Application.

Technical Specialist Presentations – Noise and Visual Impact

We asked the community in our September 2020 newsletter what technical specialist presentations would be desired during consultation. We received few responses, however those we did receive indicated noise and visual impact as of specific interest. We have taken this feedback on board, and have invited the technical specialists in noise and visual impact who have been working on the Project to present their findings and answer any questions.

You do not need to book into the technical specialist presentations, however if you know you're not going to be able to attend in person we encourage you to register on the Project webpage from 28 June for the livestream (webinars), so you can be sent a link to tune in from your own computer or device. The webinars will be recorded so if you miss out, they will become available to watch on our website.

We encourage you to read through the information material before attending the information sessions, however we will have a suite of material on display and available to takeaway should you not get a chance to.



BOOK A WEBINAR

Scan the QR code to book to watch the presentations online.

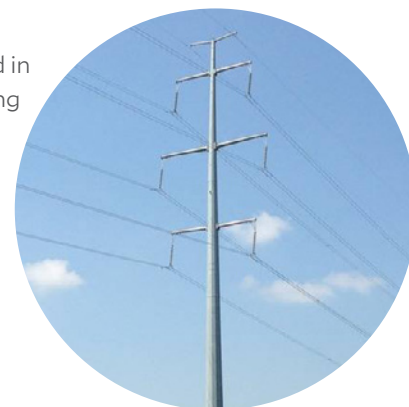
Or, register at: www.liverpoolrangewindfarm.com.au



Liverpool Range Wind Farm Transmission Line Information

We understand there could be some confusion around the transmission lines proposed in the area. As part of the Liverpool Range Wind Farm project, Tilt Renewables is proposing to build approximately 100 km of overhead 330 kV transmission line from within the wind farm site to the network connection at Ulan, generally parallel to Ulan Road. Some works will be required to upgrade some of TransGrid's existing assets, such as tower strengthening works required at the point of connection at Ulan.

The preferred design for the proposed Liverpool Range Wind Farm transmission line, external to the wind farm site connecting at Ulan, is galvanised steel poles that can accommodate a dual circuit 330kV powerline (see example at right).















Central-West Orana REZ Transmission Line (TransGrid)

We are aware of the Central-West Orana Renewable Energy Zone (REZ) Transmission Line proposed by TransGrid south of the Golden Highway. The Liverpool Range Wind Farm is being developed separately and is at a more advanced development stage, and therefore does not depend on the TransGrid proposal to connect into the national grid.

Environmental Impact Assessments – Fact Sheets

We are preparing fact sheets on the following environmental impact assessments to inform you of the key changes proposed by the Modified Project, the assessment methodologies that were implemented, the key findings compared to the Approved Project and the proposed mitigation measures. You will be able to find these fact sheets on the Project webpage from 28 June 2021. You can also request for us to post you an information pack.

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|---|---|
|  Summary of Proposed Modifications |  Visual Impact Assessment |
|  Aboriginal Cultural Heritage Assessment |  Noise Impact Assessment |
|  Aviation Impact Assessment |  Over-dimensional Vehicle Route Assessment |
|  Biodiversity (Vegetation) Assessment |  Traffic Impact Assessment |
|  Biodiversity (Bird & Bat) Assessment |  Shadow Flicker Assessment |
|  Electromagnetic Interference Assessment |  Transmission Line Information |

Why are we proposing changes to the Approved Project?

The Liverpool Range Wind Farm project received planning approval for up to 267 turbines in March 2018, and since then there have been advancements in wind turbine technology. The latest turbines, while larger, are more efficient, meaning the Project could be built with fewer turbines while powering more homes with clean energy.

Work is underway to progress the Project towards construction, including more accurate estimates of ground disturbance and vegetation clearing for the wind farm, transmission line and public road upgrades. The optimisation work undertaken since late 2019 has identified changes to the Approved Project that would allow the Project to be built and operated more efficiently.

So, what are changes being proposed to the Approved Project and what do they mean?



A **reduction in maximum number of turbines** where we are currently considering a reduction of up to 44 turbines from 267 to 223 (subject to final design optimisation studies). **Increase in maximum blade tip height** from 165 metres to 250 metres above ground level (AGL) (increase of 85 m).



Refinements to the turbine layout, access tracks and supporting infrastructure, to provide greater certainty about potential impacts and how the Project will look and operate.



Minor adjustments to the **Transmission Line** alignment.



Addition of a **Battery Energy Storage System (BESS)** either at the proposed network connection at Ulan or within the wind farm site.



Modification of the **Over-dimensional (OD) vehicle route**, including road and intersection upgrades, between the Port of Newcastle and the Project site to enable the transport of longer blades and other larger wind farm components.



Updates to **native vegetation clearance** thresholds to account for road upgrades and optimised design/layout.



More clean energy for Australian homes and businesses resulting from an increase in generation capacity from approximately 1,000 MW to a potential capacity of approximately 1,300 MW at full build. This could power around 670,000 homes - a potential increase of approximately 170,000 compared to the Approved Project.



Producing more clean energy means more **carbon emission savings** - up from 2.3 million tonnes to over 2.9 million tonnes per year. That's equivalent to taking approximately 946,000 cars off the road each year.



Energy security as part of the energy transition - at full development, the Liverpool Range Wind Farm will make a significant contribution to replacing generation capacity that will need to be filled from retiring coal-fired power stations.

Project Snapshot Approved Project

Location

East of Coolah and north of Cassilis, NSW

Turbines

Up to 267 (Approved Project)

Installed capacity

About 1000 MW

Project investment

\$1.5 billion

Project status

Planning and environmental approvals received
Modification Application being prepared.

Environmental benefits

The Approved 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 the life of the Project for community investment. The Project will also generate a boost for local businesses such as accommodation providers, hospitality businesses, 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.



1-ON-1 APPOINTMENTS

We will endeavour to facilitate one-on-one appointments with community members upon request. Please contact us by phone or email, should you wish to make an appointment for either Monday 5 July or Friday 9 July. We are more than happy to meet with groups too.

Employment

A wind farm project brings many direct and indirect opportunities for employment to the region during both the construction phase and ongoing operations. Construction provides an economic boost for regional communities by increasing demand for local goods and services, such as accommodation, hotels, restaurants and cafes. We are committed to employing local people and buying local wherever possible.

Most regions have a range of businesses that may provide services to the construction of a wind farm. These include:

- Domestic scale electricians
- Transport operators
- Machine operators
- General labourers
- Quarries
- Concrete suppliers



Community Consultative Committee

The Community Consultative Committee (CCC) plays an important role in engaging with the community and stakeholder groups and providing feedback from the community for consideration as part of the development.

The Project team has been sharing information and receiving valuable feedback at the CCC meetings held roughly every 3-4 months. Meeting minutes can be found on the Project's webpage: www.liverpoolrangewindfarm.com.au

BENEFIT SHARING

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 project. The objective of the VPA is to assist with funding for community enhancement and road maintenance projects in the area surrounding the Project site.

A development contribution of \$3,000 (increased by CPI) per installed turbine per year (or a minimum of \$100,000) will be distributed to both Warrumbungle and Upper Hunter councils (77% for a Community Enhancement Fund and 23% for a Road Maintenance Fund).

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, with a particular focus on social inclusion, the arts, education, energy, the environment and health.

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
or on 1800 WE TILT (938 458).



GOODS AND SERVICES REGISTER

To register interest in providing goods or services for the Project, please visit www.liverpoolrangewindfarm.com.au and complete the linked form under the Employment section.



SIGN UP & STAY INFORMED

If you haven't already, please subscribe to our newsletter to ensure you receive all Project updates and information. We understand that not everyone uses email, so we will be working with local businesses to host Project information packs such as the newsletter, fact sheets and maps. Subscribe to receive the newsletter by email or post, by contacting us at: liverpoolrangewindfarm@tiltrenewables.com

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

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

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