



Liverpool Range Wind Farm

Newsletter
Edition

12

October
2023

The Liverpool Range Wind Farm will reduce Australia's carbon footprint by approximately 2.5 million tonnes every year while supplying enough power for up to 570,000 dwellings across NSW. With more clean, renewable energy powering the state, the Project will help reduce Australia's carbon footprint and drive down the cost of electricity, while bringing jobs and economic development to the region.

We have now formally lodged the Response to Submissions (RTS) Report, the Amendment Report and updated environmental impact assessments for the Liverpool Range Wind Farm (the RTS Project) with the Department of Planning and Environment (DPE). In response to submissions received and engagement undertaken on the Project, we have made a number of demonstrable changes that are detailed in the documentation, which is now available to view on the [NSW Major Projects portal](https://www.planningportal.nsw.gov.au/major-projects).

www.planningportal.nsw.gov.au/major-projects

The reports contain information about how the RTS Project is different from the design and layout that was placed on public exhibition during September-October 2022 (the Mod-1 Project) as well as the Approved Project. The reports also detail how these changes would affect the environment and how they can be managed. We have prepared substantial supporting information to help with understanding the lengthy RTS Report and associated reports. On our website and in the Coolah Shopfront (50 Binnia Street), you can find large-scale maps, photomontages, and updated environmental impact assessment fact sheets, which distil technical detail from the assessments and pull out the key changes, impacts and mitigation measures.

This newsletter covers:

- Key changes to the Project
- Biodiversity offsets
- Project benefits, including benefit sharing
- Upcoming consultation on proposed temporary workforce accommodation (TWA) and quarry
- Community updates

Key changes to the Project



The key changes proposed by the RTS Project (compared to what was proposed by the Mod-1 Project) are:

- A further reduction in the number of proposed wind turbines from 220 to 185.
- A reduction in the maximum blade tip height from 250 m to 215 m above ground level (AGL).
- We have now selected the Vestas V172 7.2 MW turbine, which has a blade length of 85 m. This equates to a rotor diameter of 172 m.
- Removal of five turbines that were proposed by the Mod-1 Project in the north-east of the site near Coolah Tops National Park, to minimise visibility from Pinnacle Lookout and reduce potential noise impacts within the National Park.
- Amendment to the External Transmission Line alignment to completely avoid a portion of Durrigere State Conservation Area, near Turill.
- Shifted three turbines (D40, D43 and E31) to avoid impacts to a communications link proposed by the NSW Telecommunications Authority (NSW Telco).
- Reduced area of Development Corridor from 12,601.6 ha to 8,718.2 ha due to design changes, including removal of turbines and associated access tracks, and implementing steeper cut and fill batters where feasible.
- Removal of Coolah Road from the Project such that no light, heavy or over-size/over-mass (OSOM) vehicles would be permitted to use Coolah Road during construction.
- Reduction in total number of site access points from 90 to 74.
- Removed optional locations for various infrastructure, such as alternate access track site entrances and associated access track alignments, and substation locations.

The proposed modifications also reflect the outcomes of substantial design optimisation work and constructability assessments carried out to prepare the Project for construction.

Biodiversity offsets



We have made significant progress on securing a range of land-based biodiversity offsets and are on-track to meet the RTS Project's biodiversity offset credit obligation prior to commencement of construction. One of the offset sites is located in one of two Mapped Important Habitat Areas for Regent Honeyeater (RHE) in NSW and once established, will create a new 18 km long continuous habitat corridor for a range of species, including the RHE, that will be secured into perpetuity.

We are working closely with DPE and landholders to prepare all of the application documentation required to register these new sites to offset the unavoidable impacts associated with the Project. Notwithstanding this, we will continue to look for opportunities to reduce the Project's disturbance footprint as we progress through the detailed design process and into construction.

Hover over the QR code to explore the interactive map of the RTS project.



Project Benefits

We are committed to being a valued and active community member. It is important to us that we demonstrate the benefits a renewable energy project can bring to a region by way of supporting jobs, businesses, community investment and long-term resilience and the environment.

The Project will inject more than \$6 million each year to the local economy through payments to permanent staff, landholders and benefit sharing contributions. These funds, combined with the construction and the operation of the wind farm, will go on to support a further \$95.47 million of regional economic activity during construction and \$33.8 million every year during operations, further supporting local economic prosperity and resilience.

The Project would also upgrade impacted local and regional roads during construction benefiting all road users well beyond completion of construction. Wind farm access tracks will create additional fire breaks and provide improved access for firefighting.

Project component	Approved Project (2018)	Mod-1 Project (2022)	RTS Project (2023)	Change: Approved Project vs RTS Project
Generation capacity MW	Approx. 962 MW	Approx. 1,320 MW	Approx. 1,332 MW	38% increase
Households powered per year	Approx. 477,000 households	Approx. 662,000 households	Approx. 570,000 households	185,000 more households
Greenhouse gas reduction per year	Approx. 2.1 million tonnes of CO2	Approx. 2.9 million tonnes of CO2	Approx 2.5 million tonnes of CO2	400,000 tonnes of additional reductions in CO2 emissions
Equivalent number of cars	Approx. 672,000 cars off the road	Approx. 933,000 cars off the road	Approx. 814,000 cars off the road	142,000 more cars off the road

Benefit Sharing

Tilt Renewables has provided funding and sponsorships to the local community since 2019 and has several existing arrangements in place designed to directly fund infrastructure and initiatives in the region.

As part of the Modification Application we have significantly increased our funding commitment for benefit sharing programs, on top of the prescribed Community and Employment Benefit Access Fees that are required throughout the operational phase of the Project under the Central-West Orana Renewable Energy Zone (CWO REZ) Access Scheme.

We have proposed to commit to \$1.2 million per year during the construction period and another \$1.2 million for the first 5 years of operations (including commitments under the existing Voluntary Planning Agreement [VPA]), and then \$800,000 per year (including VPA) over the entire operational lifetime of the Project.

We are still proposing to conduct a series of co-design workshops with community stakeholders and representatives surrounding the Project to work out how these funds could be allocated during construction and operational phases to deliver real benefits to the local communities close to the Project. The plan is to share more information on this series in early-2024, following the CWO REZ Access Tender process.

Upcoming consultation



We will be undertaking community consultation drop-in sessions in late October 2023 in both Coolah and Cassilis to discuss our plans to construct and operate a temporary workforce accommodation (TWA) facility and temporary quarry during the construction phase of the Project (see details below). We want to hear any feedback or concerns you may have with the proposed TWA and quarry so that we can seek to address those concerns and help inform the final siting, design, operation, and environmental management of the proposed facilities. We are particularly interested to learn about your views from an environmental, economic or social perspective that are relevant to the assessment of the proposed TWA and quarry.

When and Where:

- **Tuesday 24 and Thursday 26 October: Coolah Shopfront**, 50 Binnia Street, 10am – 7pm
- **Wednesday 25 October: Cassilis Bowling Club**, Cassilis Road, 10am – 7pm



Temporary Workforce Accommodation

Following a review of submissions received during public exhibition and further technical investigations, we are aware that there is a substantial shortage of short- and long-term rental accommodation in the local area that could be used by the construction workforce. The peak construction workforce for the Project is expected to reach around 550 workers and construction is expected to occur over a 4-year period. To reduce pressure on existing rental accommodation we are proposing to construct and operate a temporary workforce accommodation (TWA) facility close to the Project site.

We investigated a large number of potential locations for a TWA in and around Coolah and Cassilis townships, however many of the sites had significant environmental or social constraints and did not warrant further consideration. We have now short-listed two potential TWA sites, one located within the Project site approximately 3 km east of Coolah township off Vinegaroy Road, and another near on the southern side of Cassilis township off Cassilis Road (refer to Figures 3 and 4 on page 6).

Tilt Renewables is currently undertaking a range of technical assessments to identify potential impacts associated with the TWA and develop appropriate mitigation measures. Some of the potential impacts related to TWAs include:

- Possible disturbances to the nearby community in terms of noise or increased traffic
- Potential impacts on the environment of the chosen site and its surroundings
- Social impacts associated with community wellbeing, access to essential services, health and safety, and security.

WE ARE SEEKING YOUR FEEDBACK



The following feedback form has been created to gather feedback on the proposed TWA sites. Hover over the QR code or use the link below to access the feedback form.

<https://www.research.net/r/HV2T6KF>





Quarry

As part of the RTS Project, we are proposing a temporary Project-specific quarry located within the Project site approximately 10 km northwest of Cassilis township, off Rotherwood Road (refer to Figure 5 on page 7). Detailed site geological investigations confirm that the proposed site is able to produce a range of suitable quarry product required for construction of the internal road network, hardstand areas, turbine foundations and other associated civil works required to construct the wind farm project and associated public road upgrades/repairs.

Sourcing suitable materials from within the Project site would avoid the need for large numbers of heavy vehicles to transport quarry products from significantly greater distances from existing quarries elsewhere in the broader region. Reducing the number and length of heavy vehicle trips on the broader road network is expected to result in less congestion and delays, improved safety outcomes, and reduced construction costs.

The quarry extraction pit within the operations area would be excavated up to around 25 m deep into a flat top hill that has an elevation approximately 190 m higher than the surrounding valley floor (refer to Figures 1 & 2 below). This elevation difference, combined with the retention of the vegetated flanking hillslopes and significant distance from nearest residences, will obscure views of the quarry from the nearest residences not associated with the quarry.

It is important to note that the proposed extraction pit will be located on a flat elevated area of land and will be wholly enclosed on all sides by the excavated quarry walls. The proposed design of the quarry will therefore not materially change the shape and form of the hillsides where it is located.

Detailed information about the proposed quarry site and the findings of detailed environmental impact assessments, including possible mitigation measures, will be available at the community drop-in sessions mentioned on the previous page.

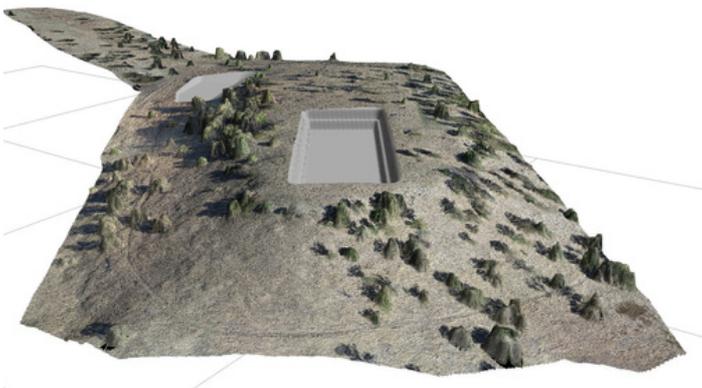


Figure 1: Quarry visualisation (viewed from northwest)

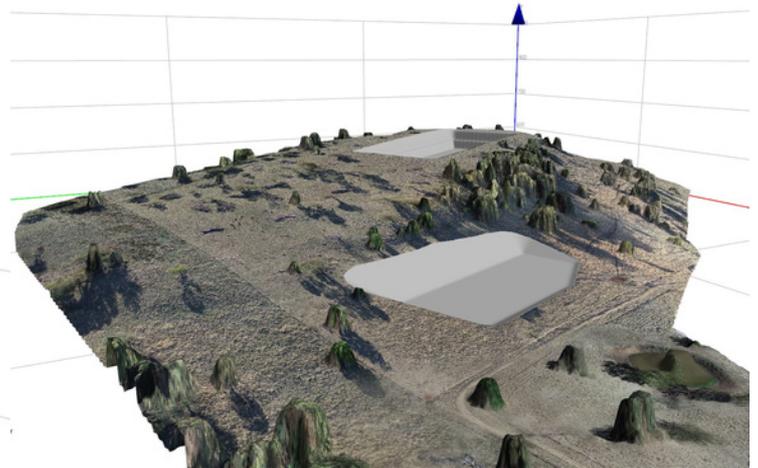
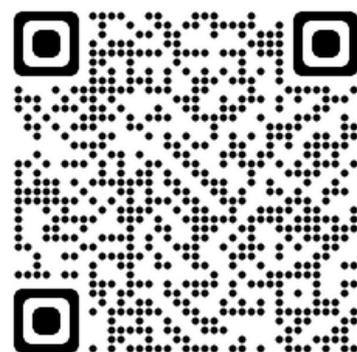


Figure 2: Quarry visualisation (viewed from east)

WE ARE SEEKING YOUR FEEDBACK

The following feedback form has been created to gather feedback on the proposed quarry. Hover over the QR code or use the link below to access the feedback form.

<https://www.research.net/r/QSWXNMH>



Temporary Workforce Accommodation - preliminary concept designs

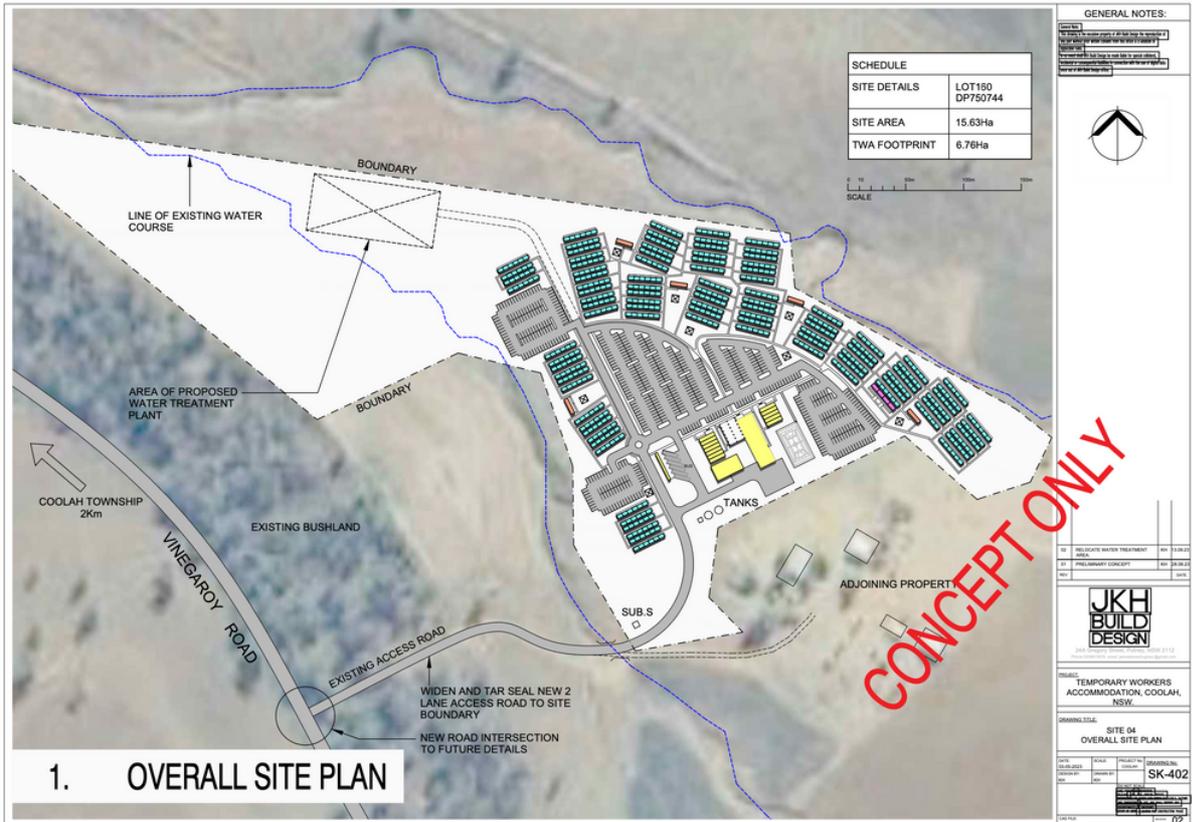


Figure 3: Concept Design - Coolah Site

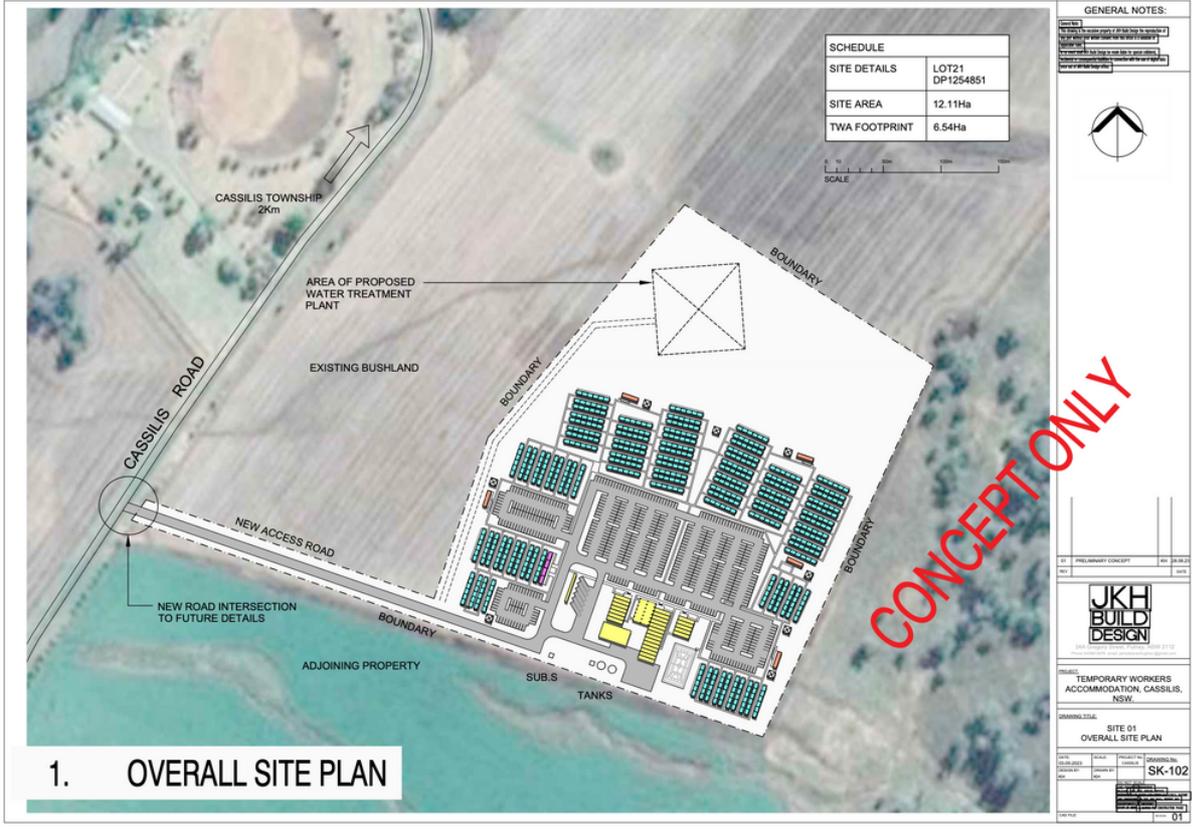


Figure 4: Concept Design - Cassilis Site

Proposed quarry location



Figure 5: Proposed quarry location

Community updates

Upcoming events we're supporting

Cassilis Campfire Country Music Weekend – 29 September - 1 October

Annual Coolah Veterans Touch Football Carnival 2023 – 4 - 5 November

Tunes on the Turf 2023 – 10 - 11 November

Coolah Christmas Carnival and Parade 2023 – 9 December

Take care on the roads

Sadly, roadkill is a common sight along many roads in Australia and with the current dry conditions and green pick along the roadside, kangaroos are frequently getting hit and dying, many carrying young or with at-foot joeys.

Watch your speed. Driving slower than prescribed speed limits, particularly at dawn and dusk when animals and humans are more active, will not only reduce accident or collision risk but also reduce mortality risk to humans and wildlife.

If you come across an injured animal, call your local wildlife rescue and save that number to your phone.

Wildlife Carers Network Central West Inc.: 0408 966 228

WIRES (Wildlife Rescue & Information Service): 1300 094 737

You can also find your local wildlife provider on the go by downloading the International Fund for Animal Welfare (IFAW) wildlife rescue app.

SIGN UP & STAY INFORMED

Hover over the QR code to view the Project on our website, read the last newsletter and to subscribe to receive future newsletters. Or email us and we'll add you to the list: liverpoolrangewindfarm@tiltrenewables.com or on 1800 WE TILT (938 458).



To stay up to date on progress of key Project approvals, visit:

Modification Application:

www.planningportal.nsw.gov.au/major-projects/projects/mod-1-turbine-and-infrastructure-changes

EPBC Referral:

epbcpublicportal.awe.gov.au/all-referrals/project-referral-summary/?id=dc3fd301-9a6b-ed11-81ac-00224818aa21

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.

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