



Tall Tree Wind Farm Community Information Sessions

November 2024





Acciona Energía acknowledges the Traditional Custodians of country throughout Australia and their connections to land, sea and community.

We acknowledge the Wadawurrung People as the Traditional Custodians of the lands on which the Tall Tree Wind Farm is proposed to be located.

We pay our respect to Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples.

Session objectives and expectations

This session is being hosted to inform the community about updates to the proposed Tall Tree Wind farm and answer questions about the project.

The project team, will try to respond to all questions to the best of our current knowledge. Those questions that we are unable to answer today will be taken on notice.

We ask that all participants of this session to communicate any questions or feedback in a respectfully.

The Tall Tree Wind Farm Project team hopes to continue engaging with stakeholders through a range of channels as we develop this project.

The question and answers from today will be published on the Tall Tree Wind Farm Community Hub Page (www.community.acciona.com.au/talltree)



AGENDA

- 1 Welcome and introductions
- 2 Project Update
- 3 Environment and Shadow Flicker

- 4 Project benefits
- 5 Q and A



Project Update

About ACCIONA Energia,
updated map and project
timeline



About ACCIONA Energía



LEADER IN RENEWABLES

ACCIONA Energía is a **leading developer of renewable energy projects with over 13GW of capacity** in operation and under construction. Since 2015, ACCIONA has been ranked #1 in the Top 100 Green Utilities by Energy Intelligence, a consultancy that rates electricity companies for their CO2 emissions and installed capacity in renewables.

GLOBAL OPERATIONS WITH A STRONG PRESENCE IN AUSTRALIA

We currently have **renewable energy presence in 20 countries** and have been operating in Australia for over **20 years**. We have **five operational wind farms** across three states in Australia, with three in Victoria.

COMMUNITY FOCUSED

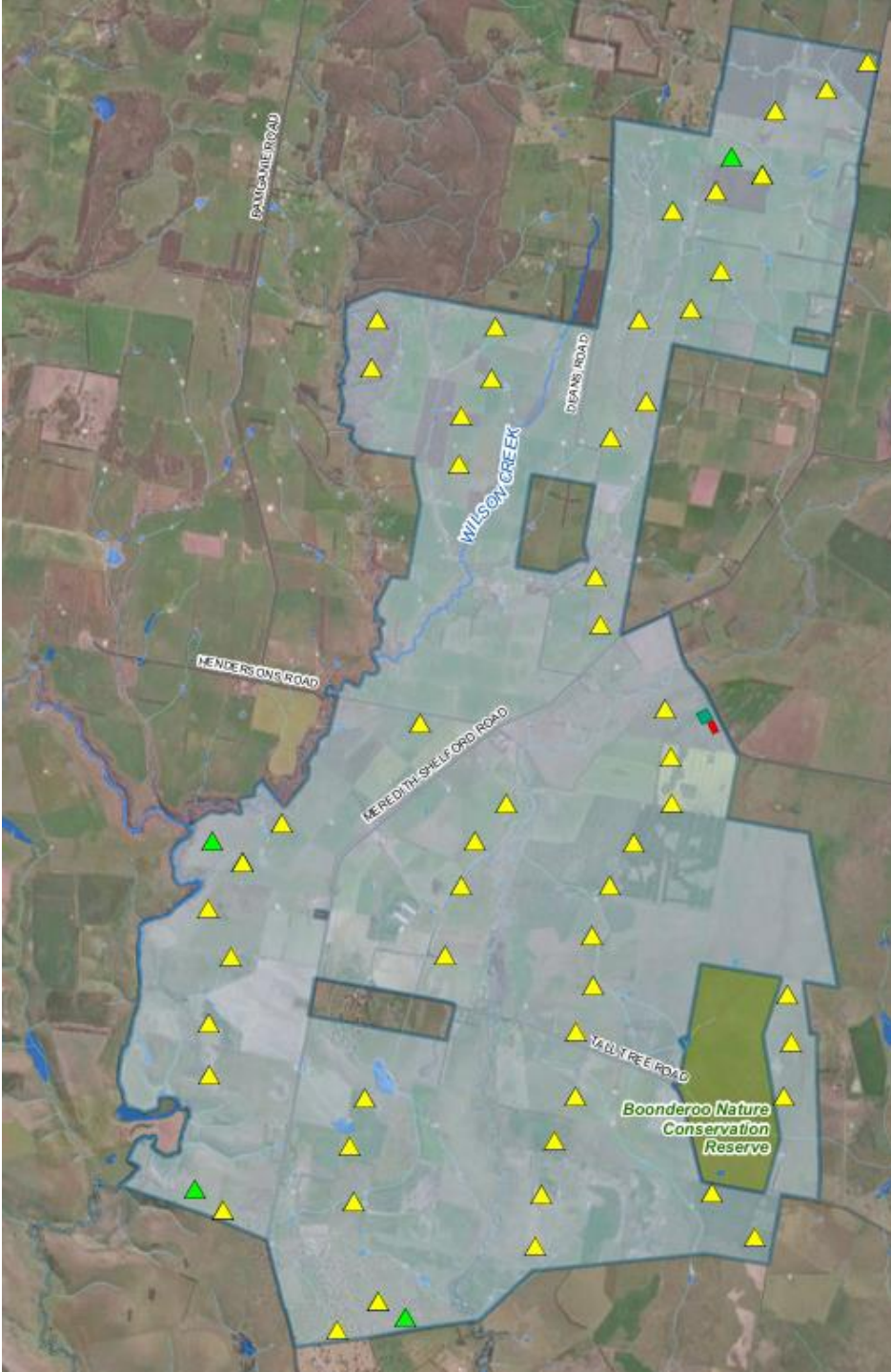
We are committed to understanding the needs of the community and **sharing the benefits of our projects with the communities** in which our projects are based.

LONG-TERM OPERATOR

We are a **long-term operator of renewable energy projects** – our focus is on **maximising reliability and operating performance** of our projects and working with the community throughout the entire project life cycle.

Updated map and key changes since June 2024

- Updated map released last week shows current layout with 53 proposed turbine locations (previously 60 turbines in March 2024 layout)
- Several turbines relocated due to:
 - Ecological constraints
 - Separation requirements from updated wind analysis
 - Landowner preferences
- 1km setback from non-involved residences maintained



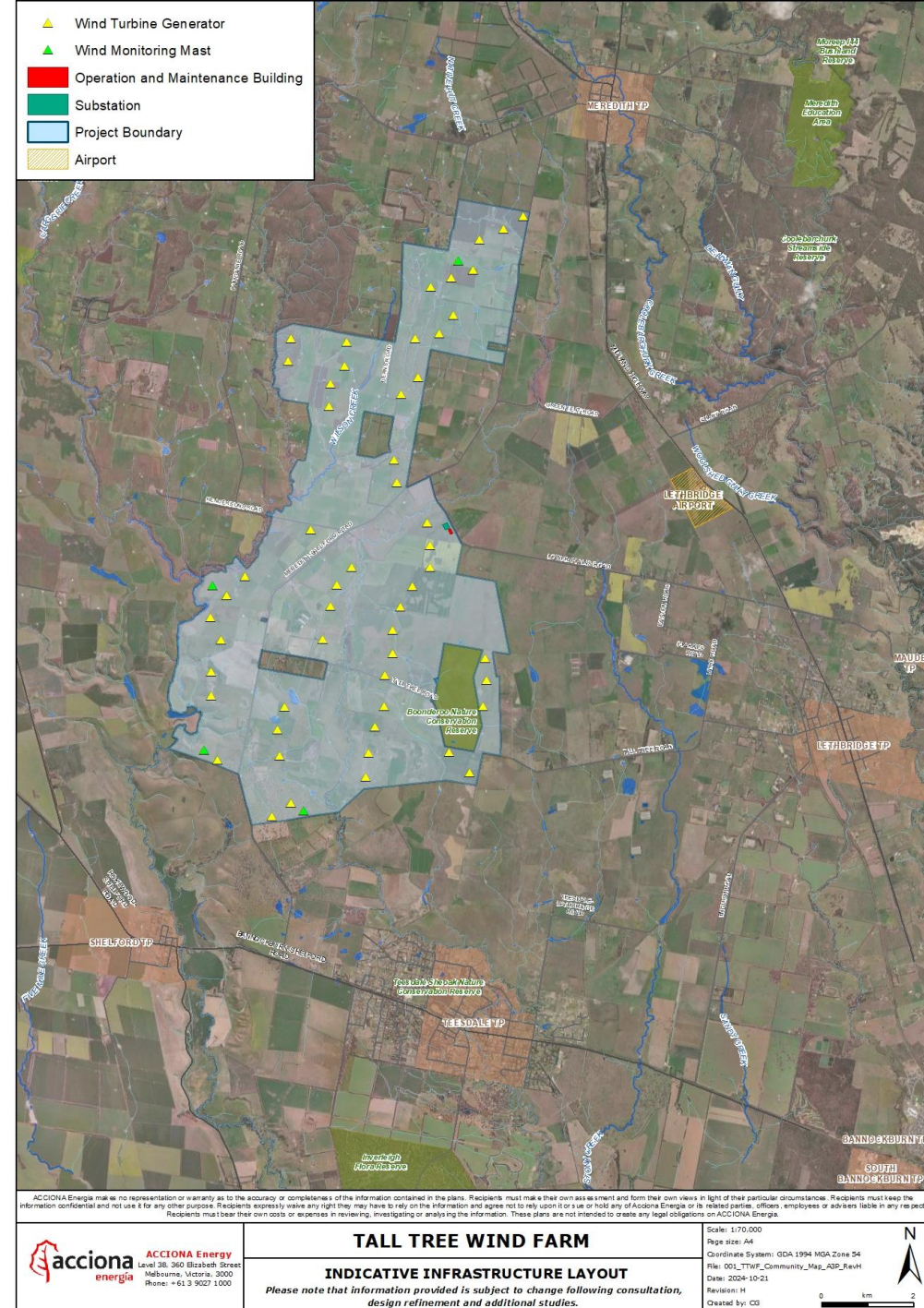
Indicative Project Timeline

(at 30 October 2024)

- | | |
|--|---------------|
| • EES* referral submission | Early 2025 |
| • Full EES** submission | Mid-late 2026 |
| • Construction commencement | Mid 2027 |
| • Project commissioning and operations | From 2029 |

*EES = Environment Effects Statement

**If directed by Victorian Planning Minister following referral



Environment



Environment - Ecology

- Preliminary Field Surveys commenced in mid-2022
- Targeted Biodiversity Field Surveys from August 2023 (ongoing)
- State and Federal listed species are surveyed:
 - Striped Legless Lizard
 - Golden Sun Moth
 - Growling Grass Frog
 - Bird and Bat (including migratory species)
 - Spiny Rice-Flower
 - Matted Flax-Lily
- Current turbine design has taken into account biodiversity results such as:
 - 200m no-go turbine buffer around Wedgetail Eagle nests
 - Turbines moved from areas of high value vegetation
 - Access tracks will be sensitively designed to protect threatened species habitat - Striped Legless Lizard and Golden Sun Moth



Wedgetail Eagle nest spotted



Wedgetail Eagle recorded



Striped Legless Lizard found in project area



Golden Sun Moth found in project area

Environment - Studies

Current studies being undertaken:

- Preliminary Pre-Construction Acoustic Assessment
- Preliminary Aviation Assessment
- Preliminary Ecological Assessment and surveys
- Preliminary Heritage Assessment
- Preliminary Landscape and Visual Impact Assessment

Assessments anticipated (subject to Minister's decision):

- Air Quality
- Bushfire Risk
- Cultural Heritage
- Electromagnetic interference
- Historical Heritage
- Shadow Flicker
- Soil and contamination
- Social Impact
- Traffic and Transport
- Water and Catchment values



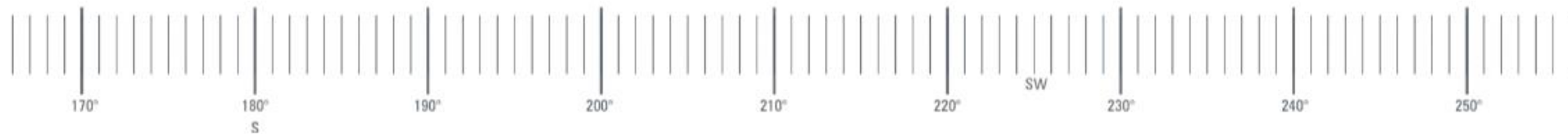


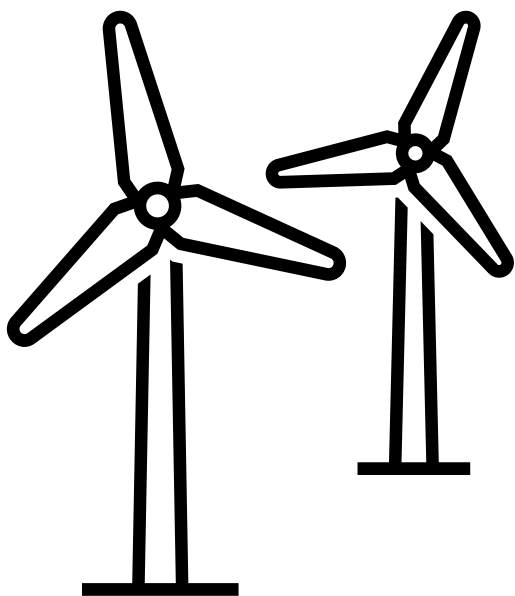
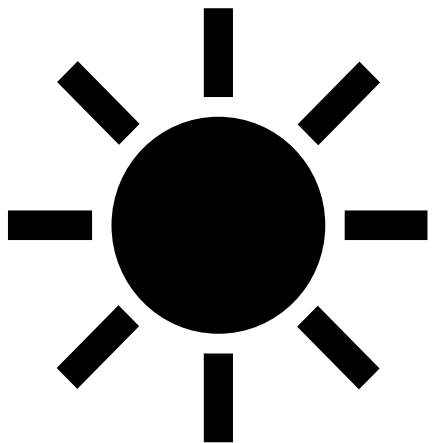
Visual Amenity

Tall Tree Wind Farm

Photomontage view of turbines (Meredith Cricket and Recreation Reserve)

Indicative, subject to change





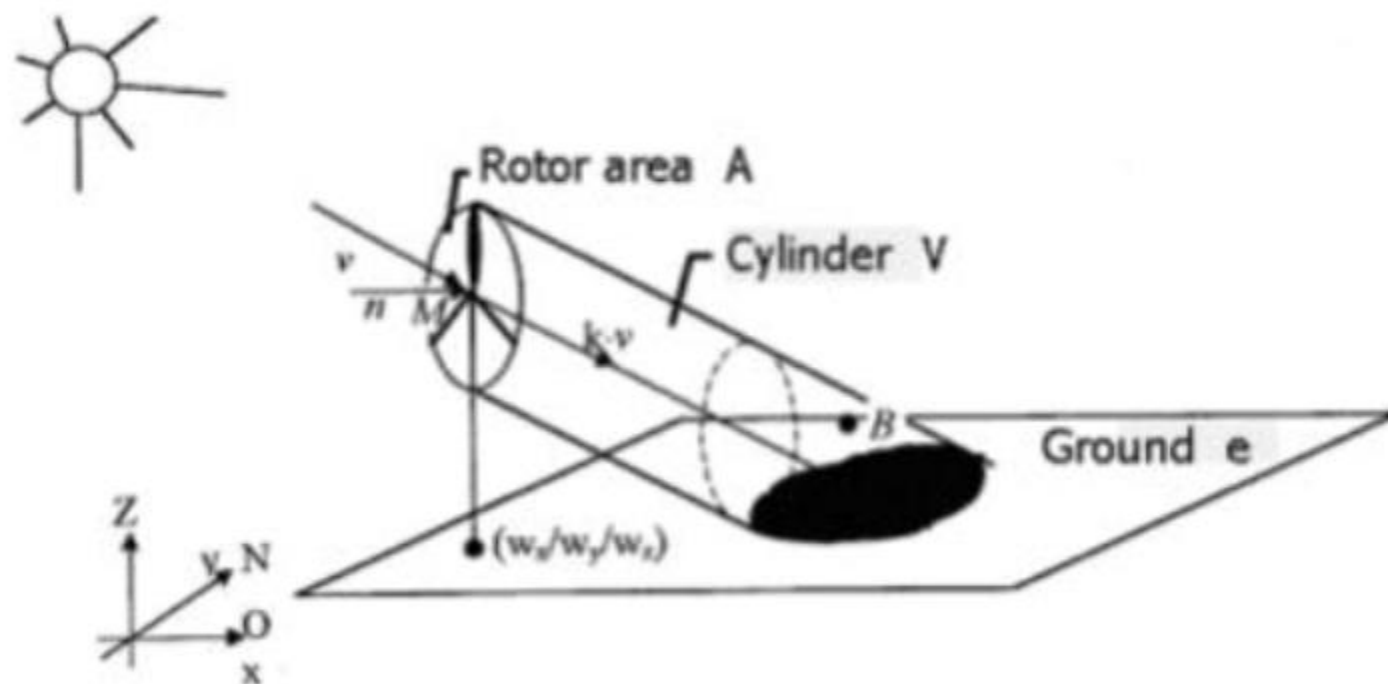
Shadow Flicker

- case study

Environment - Shadow Flicker

- Shadow Flicker can occur when rotating wind turbine blades pass between the sun and an observer's position, casting a moving shadow at that position.
- Victorian Guidelines - The shadow flicker experienced immediately surrounding the area of a dwelling (garden-fenced area) must not exceed 30 hours per year as a result of the operation of the wind energy facility

Where Shadow Flicker Falls



(from *Update of UK Shadow Flicker Evidence Base*)

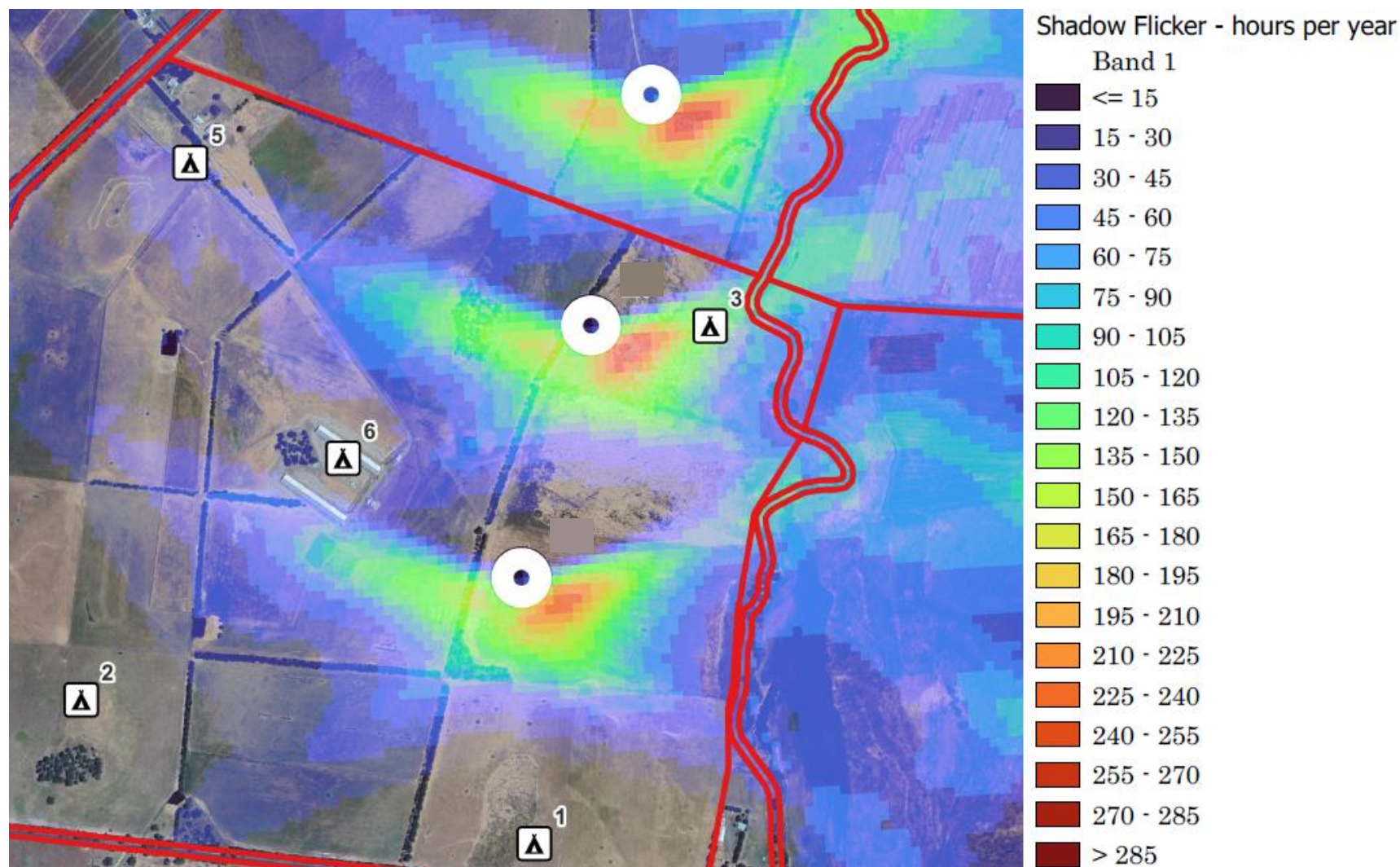
Environment - Shadow Flicker

- Shadow flicker is generally considered to be limited to within a certain radius of a wind turbine, determined by the width ('chord length') of the blade
- Shadow flicker is modelled by computer simulation which takes into account:
 - Turbine locations
 - Turbine dimensions
 - Topography
 - Changing angle of the sun over a year
- Several conservative assumptions are made:
 - There is never any cloud
 - Turbines are always operating
 - Turbine rotors 'follow' the sun (like a sunflower)



Environment - Shadow Flicker

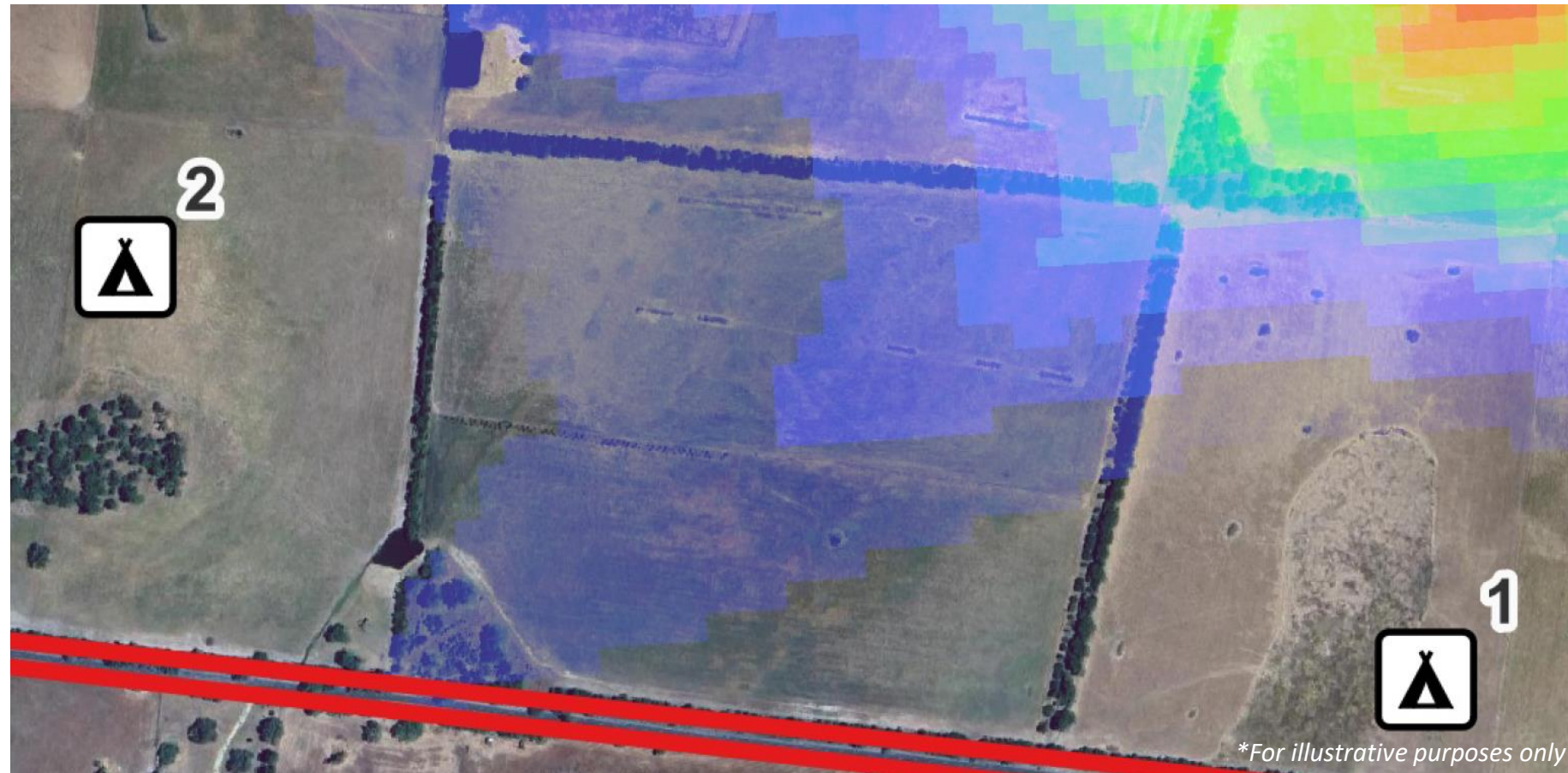
- Example output shown at left
- Note: this is based on superseded layout and turbine model
- Observation points shown in as 'tent' icons



**For illustrative purposes only*

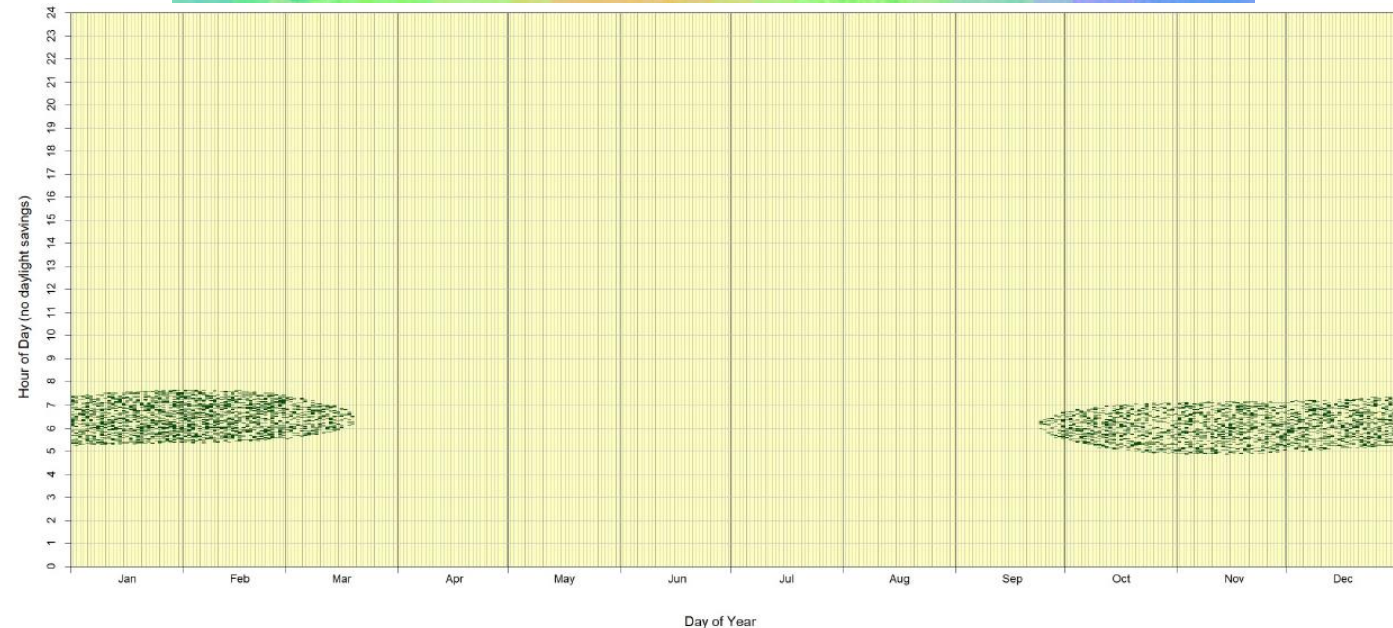
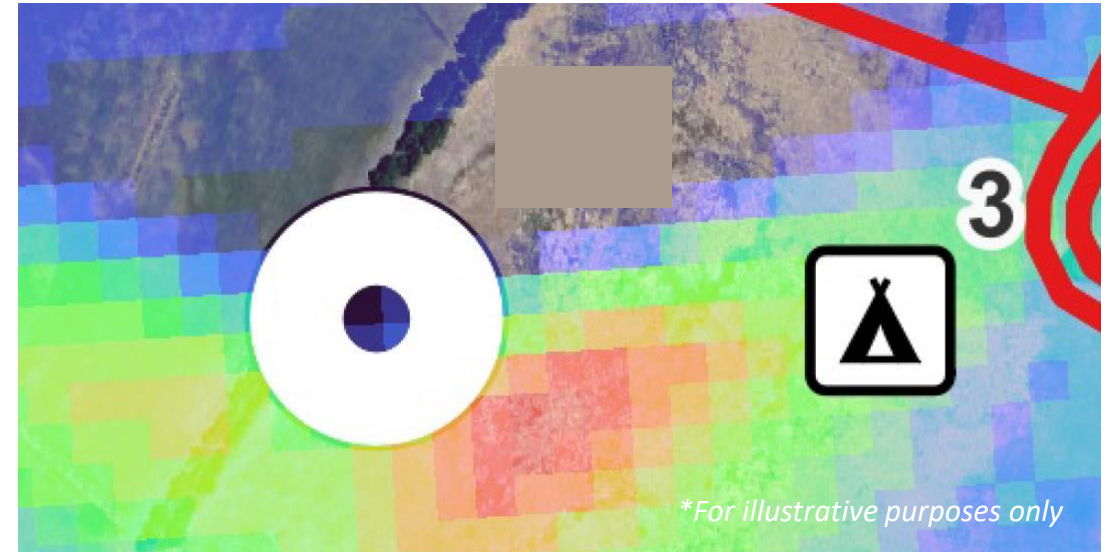
Environment - Shadow Flicker

- Example observation points:
 - point 1: approximately 560m due south of turbine
 - point 2: approximately 960m south-west of turbine
- Point 1 would experience no shadow flicker over the course of a year
- Point 2 may experience occasional shadow flicker in late evenings (up to 20 minutes either side of 9pm AEST) in late March, mid-September



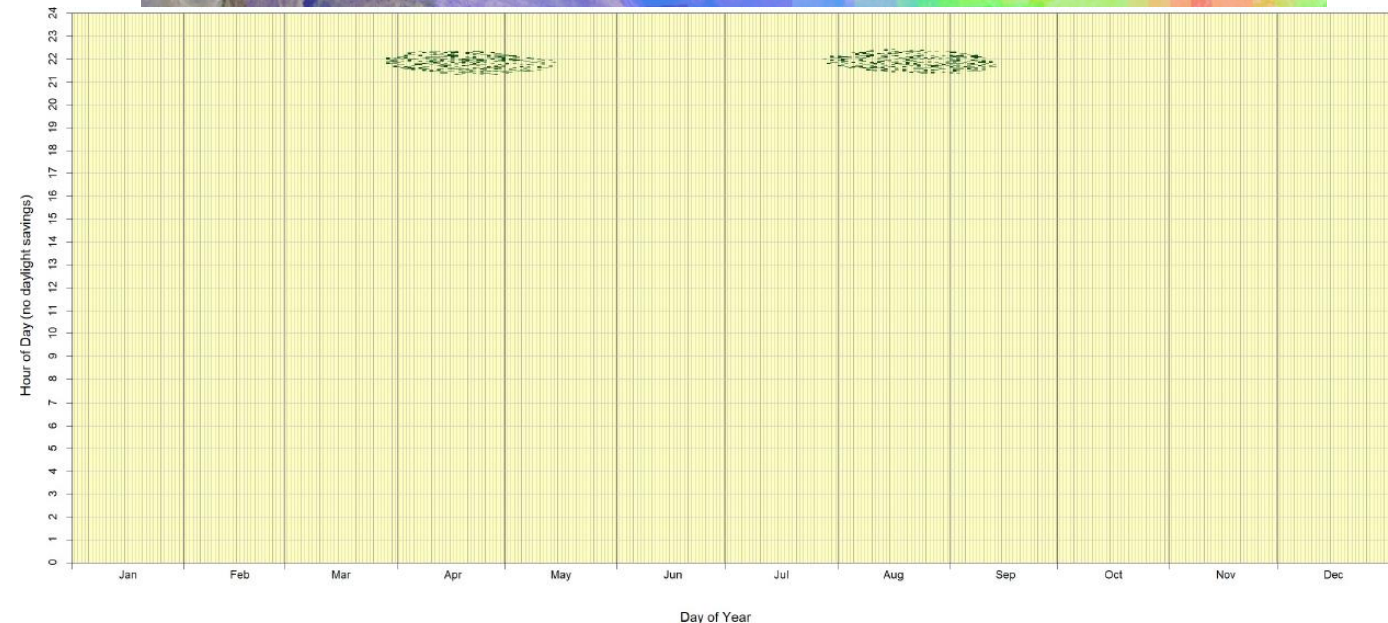
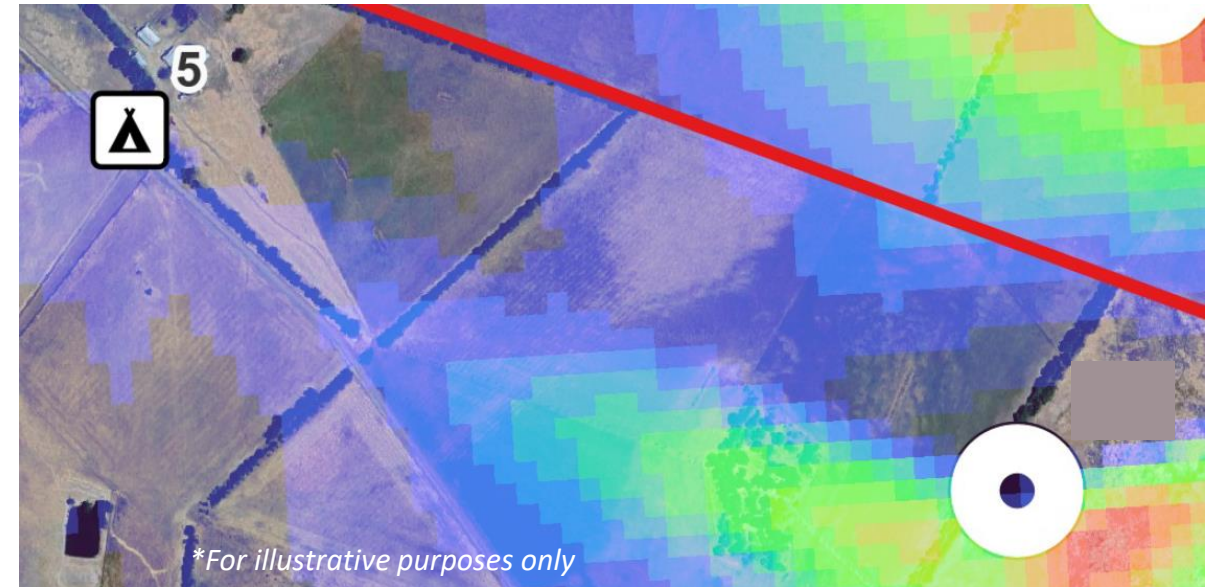
Environment - Shadow Flicker

- Observation point 3: approximately 250m due east of turbine
- Up to 150 hours total over the course of a year
- Timing chart below shows times confined to mornings (5am to 7:30am EST) from late September to mid-March
- Note: this observation point has been shown as a 'worst case' for the purposes of illustration only



Environment - Shadow Flicker

- Observation point 5: approximately 920m north-west of turbine
- Up to 30 hours per year (based on worst-case assumptions)
- Late evenings (10pm AEST) from end of March to mid-May, and end of July to mid-September





Project Benefits



Introduction to Project Benefits

- We invest in local community initiatives during development, construction and throughout operations i.e. through the lifetime of the project
- As the community, we want to hear what you would like to see supported
- While we have set out a broad framework as below, we welcome new ideas and program which can support the local area

Initiative	Detail	Construction	Operation
Small Grants Program	Program focused on supporting small, local initiatives that contribute to health, education, sustainability, conservation, and cultural development. Managed alongside a local community advisory committee.	x	x
Legacy Investment Program	Large, longer-term programs aimed at delivering a strategic benefit to the local community, delivered in partnership with local organisations.	x	x
Scholarship & Education Program	Legacy initiative focused on supporting local students to undertake tertiary studies.	x	x
Neighbourhood Benefits	Benefits paid annually, either in cash or through a gift card scheme, to neighbours within proximity of the project.	x	x

Community Benefits – Case studies

Investing in fire safety

Through the community-led Waubra Wind Farm Community Benefit Fund, which receives close to \$100,000 a year, the local Waubra Country Fire Authority part-funded the “Big Fill” unit - a high-capacity pump mounted on a Land Cruiser.

This equipment can fill several fire tankers at a time, supports firefighting across the region.

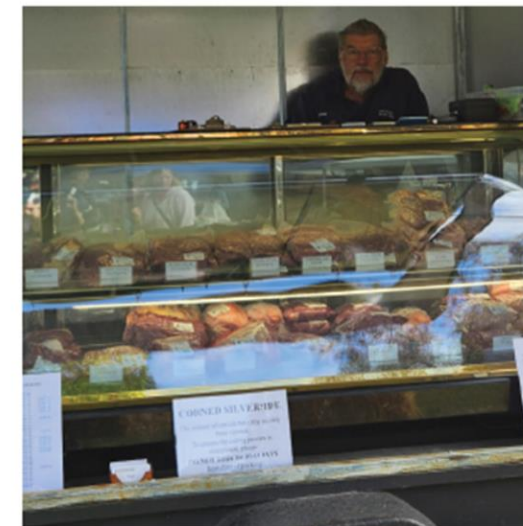


Mt Gellibrand Wind Farm

Near our Mt Gellibrand Wind Farm, we have provided support for local markets as part of a community-led grants program which has delivered over \$70,000 a year.

“The grant received from ACCIONA Energía for the Birregurra Sunday Markets 2023/24 season has enabled our Sunday markets to go to the next level. Over 70 stallholders attend our market.”

— Vicki Jeffrey, President,
Birregurra Community Group Inc.



Increasing connectivity

ACCIONA Energía is replacing the temporary telecommunications infrastructure installed for the construction of the MacIntyre Wind Farm with a permanent 4G Telstra tower.

The tower is expected to significantly enhance the local connectivity and phone reception for residents, especially during severe weather, making it easier for emergency services to reach and notify people.





QUESTIONS?

THANK YOU

