

Banana Range Wind Farm Connection Project



About Powerlink

Powerlink is a Government Owned Corporation that owns, develops, operates and maintains the transmission network in Queensland. We connect Queenslanders to a world-class energy future, providing electricity to five million Queenslanders and 238,000 businesses.

We are also responsible for connecting large-scale renewable energy developments, including wind and solar, and providing electricity to large industrial customers in the rail, mining and LNG sectors.

Acknowledgement

Powerlink acknowledges the Traditional Owners and their custodianship of the lands and waters of Queensland and in particular, the lands on which we operate. We pay our respect to their Ancestors, Elders and knowledge holders and recognise their deep history and ongoing connection to Country.

Local investment and benefits

- ✓ The project offers significant employment opportunities – both locally and regionally.
- ✓ We will work with our principal contractor to ensure local businesses are given every opportunity to be involved.
- ✓ We want to contribute to the area as a partner for the long term and provide benefits via local investment.
- ✓ We know each community is different, so we will work with you to make sure we can make a positive and long lasting contribution as part of the project.
- ✓ We welcome your thoughts and ideas along the way on how we can better support the community.

About the project

Powerlink has been engaged by EDF Renewables to consider options to connect their proposed Banana Range Wind Farm, about 20km west of Biloela, to the electricity grid.

We have an existing transmission line that runs from Calvale Substation (near Callide Power Station), to just north of Biloela township, and on to our Moura Substation.

Based on the energy proposed to be generated at the wind farm, we would need to build a new, additional transmission line to connect the wind farm into the transmission network.

The transmission infrastructure proposed for the connection project includes one new substation on the wind farm site and a new 275kV transmission line to be located between our existing Calvale Substation and the wind farm site.

Our initial work includes engaging with landholders and the wider community to get their feedback and input to our planning. This is important information to help us in making decisions.

Why we are seeking your insights

In locations where we need to build new infrastructure, we engage with landholders, communities and other stakeholders such as Traditional Owners, local councils and business groups to gather local knowledge. Your input helps us identify environmental impacts, land use and management, and any other information that will be important to include in our planning. Your input helps us improve how we make decisions and make sure that local feedback is part of our process.

We are keen to gain insights and feedback from you throughout our planning. We hope to speak with you regularly in coming months.

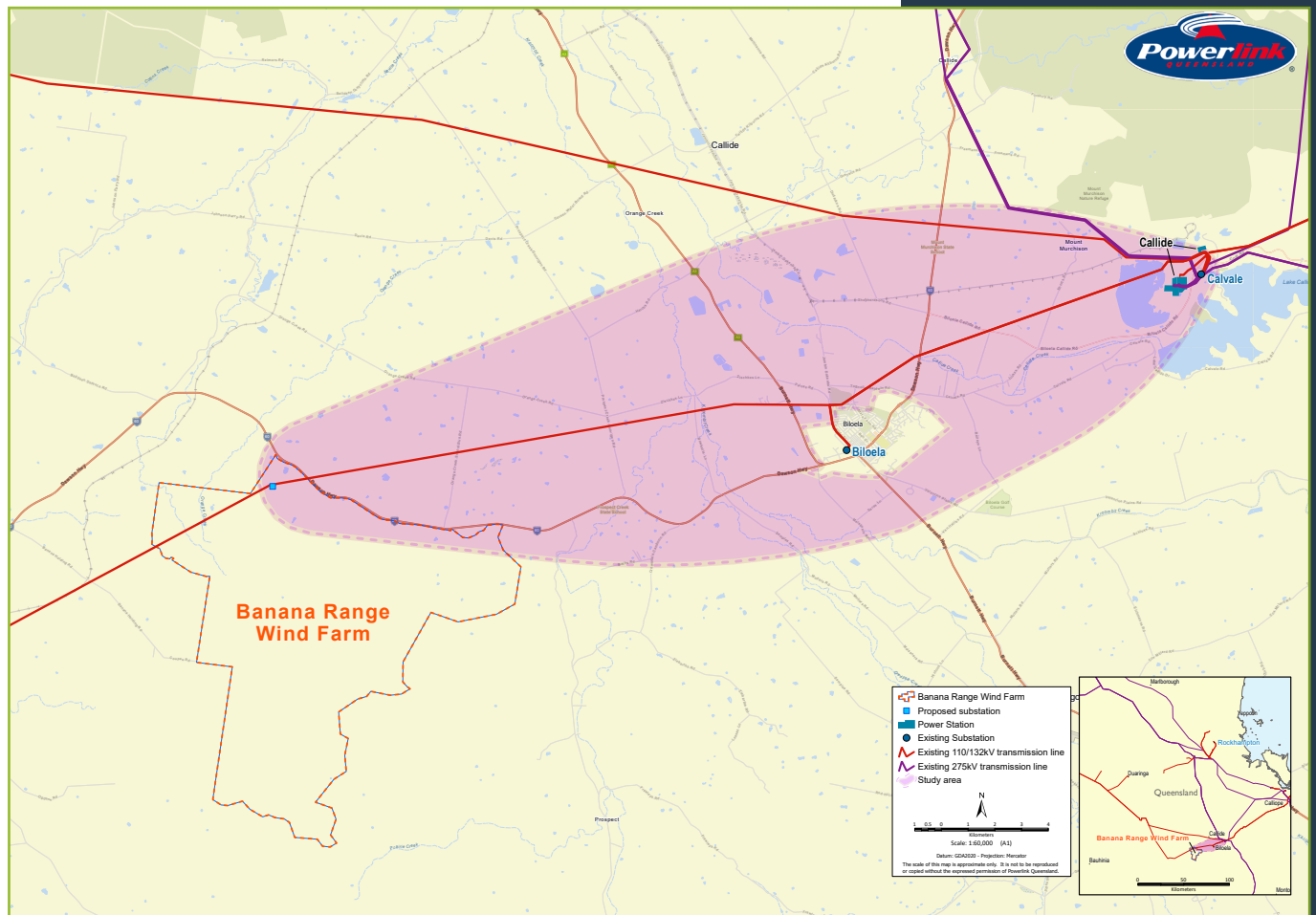
To share your views and local knowledge you can contact us by phone, email or leave your comments on an interactive map, which is available at www.powerlink.com.au/bananarange.

Factors affecting route selection

When selecting a corridor and developing a proposed route for a new transmission line, we consider a range of factors including:

- social impacts, including proximity to residential dwellings
- topography (features of the land, such as hills and creeks)
- important agricultural land and activities
- significant Aboriginal and non-Aboriginal Cultural Heritage
- environment and conservation areas
- constructability (where it can be built)
- location of towns and high population areas
- location of existing infrastructure
- economic cost.

Project map



What is a study area

A study area refers to a broad area within which the transmission infrastructure could be located.

For this connection project, the study area stretches between our Calvale Substation (near Callide Power Station) and the wind farm site. It's approximately 33km long, and varies in width from around 4km to 11km. Bibola township is excluded from the study area because it's densely populated.

Through extensive engagement with landholders and other stakeholders, and environmental investigations, a range of corridor options will be developed and considered within the study area. These will be reviewed and refined to a single study corridor down the track.

What is a study corridor

A study corridor defines the boundary of an area within which the final transmission infrastructure easement is proposed to be located.

It is typically much wider than the easements which will ultimately be required for the proposed infrastructure. This approach provides some flexibility in narrowing down and identifying the most suitable location for the infrastructure, with the aim of minimising its overall impact. Detailed on-site environmental, geotechnical, Cultural Heritage and other assessments are carried out in the study corridor.

What is an easement

Our transmission lines are typically located within easements. Easements provide us with a legal 'right of way' over a portion of land, so we can safely operate and maintain our transmission lines. The easement required for this project is 60m wide.



To learn more about the Banana Range Wind Farm Connection Project we encourage you to contact us.

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www.powerlink.com.au/banarange



Use the QR code to access our project webpage.