



MT FYANS
WIND FARM

Mt Fyans Wind Farm Transmission network

Mt Fyans Wind Farm is located in Victoria's South-West Renewable Energy Zone, a key region earmarked for the development of clean, renewable energy generation, transmission and decarbonisation projects to meet the needs of future generations.

If approved, the Mt Fyans Wind Farm will host up to 85 wind turbines and generate around 400 megawatts, enough energy to power an estimated 280,000 homes – more than the entire Barwon South West region.

The project is currently progressing through planning approvals. If approved, the wind farm is expected to operate for 25 years.

Connecting to the network

A key part of the project is the development of 18 kilometres of 220kV, and 500 metres of 500kV above-ground transmission line. These critical project elements will connect the wind farm to the electricity network and will ensure renewable energy can be readily supplied to customers across Victoria.

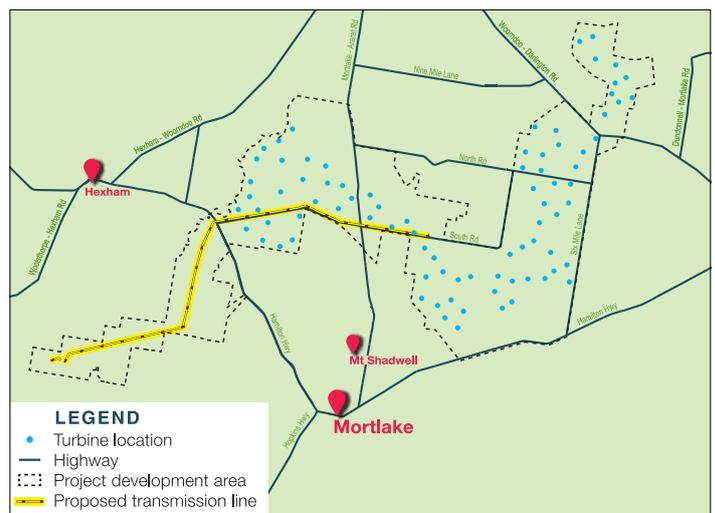
Woolnorth Renewables acknowledges the community's interest in reducing impacts associated with the development of transmission lines. We've heard through consultation with community and stakeholders that a common preference is for the transmission lines to be constructed underground.

Around 80km of Mt Fyans Wind Farm's transmission cable will be built underground to connect the wind turbines to the onsite substation.

Additionally, the project has established an in-principle agreement with AusNet and the nearby Dundonnell Wind Farm to make use of 15.5 kilometres of existing transmission lines avoiding the need to construct more high voltage transmission infrastructure.

You can see that sections of the Dundonnell Wind Farm transmission line along Castle Carey Road even have the outriggers on one side of the poles, to cater for stringing of the Mt Fyans Wind Farm lines. If the project is approved, work to confirm this agreement will continue.

Commercial discussions to implement this options will begin after planning approval, with our strong preference to utilise the existing poles and reduce community impacts.



What is a substation?

A substation converts electricity produced from the wind turbines so that it can be safely distributed via the electricity transmission network. A substation typically includes electricity transformers, a switchyard and an operations room.

Avoiding sensitive areas

We'll always seek to avoid sensitive areas regardless of how much transmission line is required. The location of the transmission line/s has been informed by extensive environmental surveys.



Why is all 18km of transmission network included in the planning application?

Mt Fyans Wind Farm's agreement with AusNet Services and Dundonnell Wind Farm to make use of 15.5km of existing overhead transmission poles is 'in-principle' - meaning it cannot be implemented until planning approval is achieved.

To comply with Victorian Government requirements, the Project's Planning Application must include a new transmission line – as evidence of how the project can connect to the grid. As a result, Woolnorth Renewables has developed detailed plans for a complete 18km transmission line as part of its Concept Plan – noting as a part of this, our preference is to use the existing Dundonnell Wind Farm transmission poles.

Will you use the existing Mortlake terminal station? Are any upgrades required?

Mt Fyans Wind Farm will connect to the energy grid via the Mortlake Terminal Substation. Some works at the Terminal Substation would be required to connect the transmission line to the substation. The Terminal Station has room to accommodate the power connection from Mt Fyans Wind Farm.

What type of poles will be used to build the transmission line?

An overhead 220kV electricity transmission line is proposed to transfer electricity from the Wind Farm to Mortlake Terminal Substation. Poles are generally between 24 – 38m high and spaced around 300m apart. These will look similar to the existing Dundonnell transmission line and will have a matte or non-shiny finish.

Will the transmission line be located on private land or road reserve?

The transmission line will be located on private land. The transmission line will follow the road along South Road, near the existing Dundonnell wind farm transmission line and connect to the Mortlake power station.



To find out more about Mt Fyans Wind Farm and register for project updates:

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