

Moora-Chittering Landowner Information Guide

Connecting renewable generation sources
to the network in the Wheatbelt

February 2026



Project overview

Western Power is delivering the network infrastructure needed to achieve the State Government's vision for WA as a world-leading renewable energy powerhouse. Clean Energy Link – Moora-Chittering will be a key part of this journey.

Western Power's network plays an important part in safely and reliably transferring clean energy generated from wind and solar farms in regional areas to homes and businesses.

Clean Energy Link – Moora-Chittering is a proposed project to expand and strengthen the transmission network in the Wheatbelt region to support renewable generation and future energy demand. It will help WA reach net-zero by 2050.

This project is currently in the planning phase to guide design development and support a business case for investment. The project will require approvals, including environmental assessments, and government funding allocation to move forward.

We're currently planning and scoping for this expansion enabling us to manage connections for projects already well-progressed, while supporting a smooth and efficient integration for future energy needs.

Perth Metro to Chittering

To support WA's commitment to retire state-owned coal generation by 2030, Western Power is upgrading the network by delivering:

- a new terminal north-east of Perth
- a new 330kV transmission line between this new terminal and the existing Neerabup Terminal
- a 330kV connection between the existing Neerabup Terminal and existing 330kV line
- a rebuild of the 132kV transmission line between Henley Brook and Landsdale
- an expansion of the Landsdale 132kV substation
- upgrades to other parts of the existing network.

We have commenced engaging with landowners and other stakeholders to identify viable options for terminal location and potential line routes. Ongoing investigations and engagement with landowners is required to further scope transmission line route.

Community and stakeholder feedback and insights are important in determining project design and will help inform industry and government decisions.

Chittering to Moora

- two new terminals – one south of Moora townsite and the other north-east of Perth with new 330kV transmission lines between them
- additional 330kV lines between Mid West line and the new terminal south of Moora
- a new 132kV transmission line connecting existing infrastructure in Moora and the new terminal south of Moora
- removal of 132kV transmission line to replace with a 330kV transmission line.

To inform these long-term investigations, continued stakeholder and community engagement will be undertaken.

Connecting these energy sources has the potential to:

- expand access to renewable energy
- enhance the security of the state's future electricity supply
- support the achievement of renewable energy targets and broader decarbonisation goals.



Working with you

Engagement with landowners within the transmission study corridor is essential to ensure needs and concerns are identified early, addressed in project development, and clearly communicated. We are committed to working with you in a respectful and responsive way that reflects your role as a key stakeholder.

As a landowner on the proposed Clean Energy Link – Moora-Chittering transmission study corridor, you will have a designated person as your primary point of contact. They will provide information and updates, facilitate engagement with you, address questions and concerns and gain your insights and feedback where possible. They will communicate your views, concerns and inputs back to help inform decisions made.

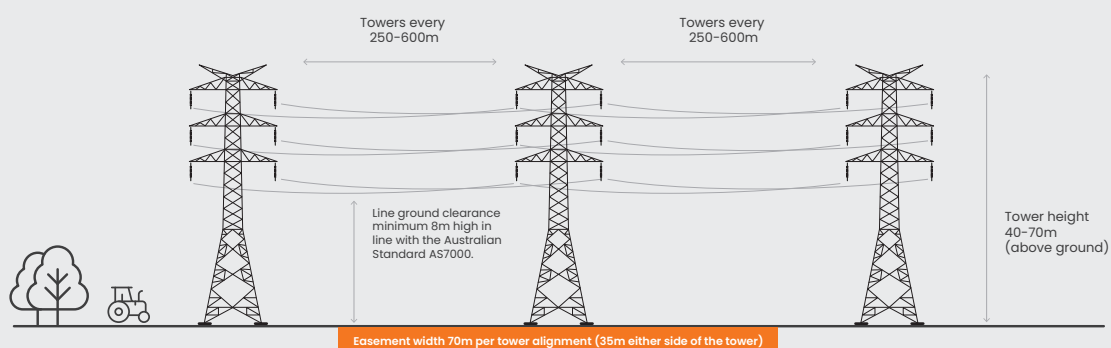
Enhancing the network

The proposed Clean Energy Link – Moora-Chittering will expand and strengthen the electricity network in the Wheatbelt. It will help connect new wind and solar farms to support future growth for local industries and communities. New terminals and transmission assets will be required in addition to upgrading existing infrastructure. It is proposed these new transmission assets will be located somewhere within the transmission study corridor we are currently investigating. This can be seen on the maps enclosed.

Transmission line design considerations

To ensure the most suitable design solution for the local area, terrain, and land use, we would consider a mix of different 330kV poles or towers, ranging from 40–70 metres in height and placed every 250–600 metres. Each transmission line requires a 70 metre easement (35 metres either side of the transmission tower). In instances, where they run parallel, the accumulative easement could be up to 140 metres. While the Australian Standard (AS7000) requires each line to have minimum ground clearance of 8 metres high, our line design would consider a higher ground clearance of 11.3 metres to ensure we are minimising disruption of current land use practices.

Example double circuit 330kV transmission line with towers



High voltage overhead transmission infrastructure are typically 4–10 times less expensive compared to underground cable infrastructure



There are safety rules regarding what you can and can't do on land with a Western Power easement. These rules are in place to keep you and the community safe. Before starting any work in or near an easement, it's important to check and follow the conditions available on the Western Power website.



Crews present for relatively short time during construction and fault maintenance

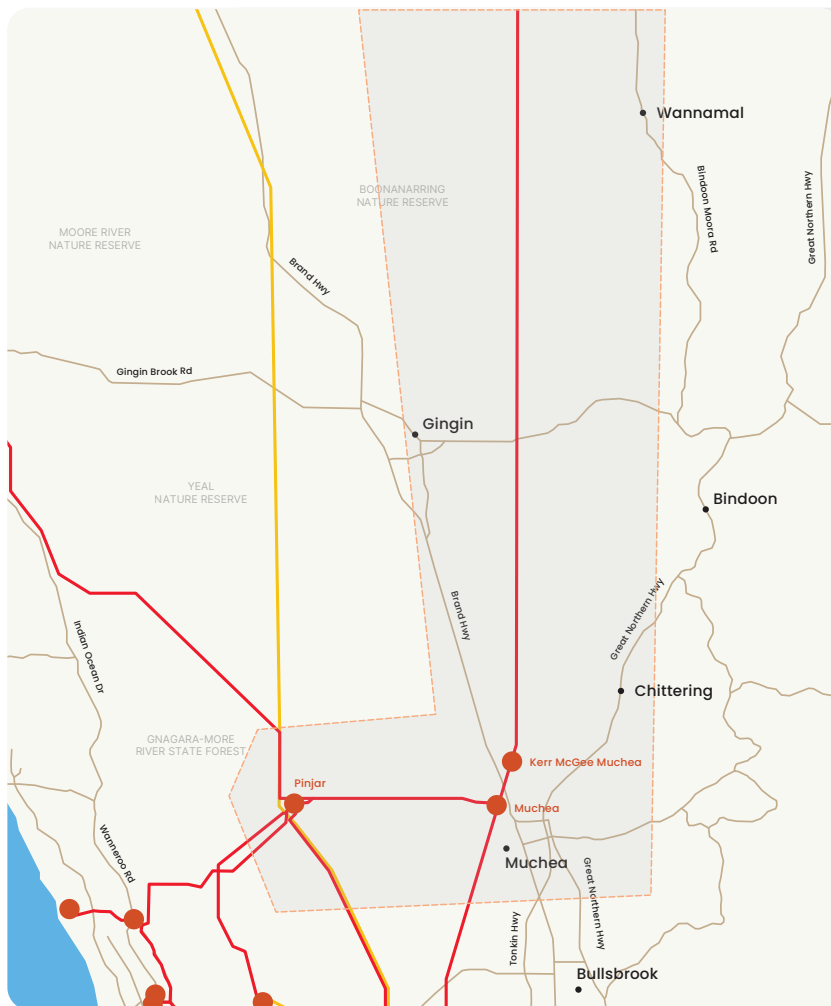


Height restrictions on trees and other vegetation under the conductor, no restrictions on deep roots



Impacts on geology, soils, natural drainage are mostly limited to tower footing areas

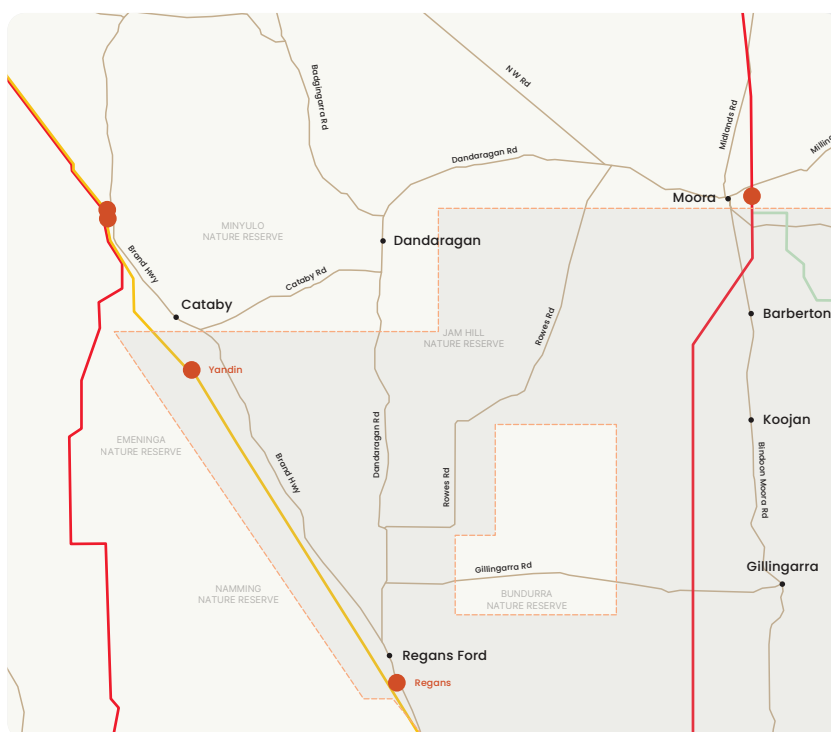
Clean Energy Link – Moora-Chittering



Perth Metro to Chittering

Legend

- Existing Terminal Substation
- Investigation Area for Future Potential Expansion
- Main Roads
- Existing Overhead Transmission Lines 330kV
- Existing Overhead Transmission Lines 132kV



Chittering to Moora

Legend

- Existing Terminal Substation
- Investigation Area for Future Potential Expansion
- Main Roads
- Existing Overhead Transmission Lines 330kV
- Existing Overhead Transmission Lines 132kV
- Existing Overhead Transmission Lines 33kV

Could the line be placed outside the study corridor area?

We will consider all feedback regarding the design and will work with you to balance these with technical, environmental and other considerations.

Will transmission upgrades improve reliability in my area?

While expanding the transmission network will not directly improve reliability on the distribution network, the overall benefits stemming from a clean energy network for the whole community will be momentous. Western Power is doing everything we can to improve distribution network resilience in the face of increasing climate change weather impacts to minimise the frequency and duration of power outages, with a number of initiatives already underway.

How close can the transmission lines be to existing trees, nature, waterways, etc.?

Vegetation clearance distances for overhead transmission lines depend on the type of transmission line and its location.

A 'clearance zone' is space required for safety, and an 'easement' is the designated corridor for the powerlines. Where possible, low-lying vegetation can remain and continue to exist around the structure. We will need space for the towers and maintenance access. Access tracks are planned around the structure to reduce impact.

How close can transmission lines be built to my property or other existing community infrastructure?

Where possible, we aim to locate transmission lines at least 500 metres away from dwellings and structures. This may be assessed on a case-by-case basis. All Western Power transmission line infrastructure complies with safety regulations.

How will you manage noise from the transmission infrastructure?

When a location is determined and the transmission lines are built, Western Power will commission acoustic specialists to model and assess current and future noise levels to ensure State noise regulations are met and identify measures to reduce noise where required.

We take proactive steps to monitor and manage noise emissions coming from the operation and maintenance of transmission lines. Low level audible noise commonly described as 'humming' or 'buzzing' is a normal part of the way electricity is transported through transmission lines.

Why do we use overhead transmission lines?

Transmission lines 66kV and above in WA are built as overhead lines as a default for several reasons:

- **Maintenance and flexibility:** Overhead lines are easily accessible, which makes maintenance and repairs more straightforward. It's easier to detect and repair faults in the system, resulting in faster power restoration during power outages and reduced community impact. They can also be modified or re-arranged more easily than underground cables, allowing for future expansions and changes in power distribution.
- **More economical:** For equal lengths, the cost to build and maintain overhead power lines are comparatively lower than underground cables, making them a preferred choice for long-distance power transmission.
- **Faster and less disruptive construction:** Overall, overhead construction takes roughly half the time of underground cables and causes fewer land disturbances in both urban and rural environments. The complexity and frequency of underground cable joints bays make the installation process longer, more costly and more disruptive for landowners.
- **Land use restrictions:** Buried cables occupy a significant amount of land and, like overhead lines, also require access for maintenance and repair for the duration of their life, along with easement restrictions. In urban areas the land taken for direct buried cables exceeds that required for an equivalent rated overhead line.
- **Terrain considerations:** In many cases, the terrain of the proposed line route precludes underground infrastructure. In particular, if the route needs to cross hilly or mountainous terrain, overhead transmission lines are often the best option.

Easements

Should the proposed Clean Energy Link – Moora-Chittering project proceed, an easement will be placed on the properties where the assets are located. A transmission line easement is a property right that provides for Western Power’s employees and contractors to enter land to undertake maintenance and other works on the transmission line and other associated electricity assets.

For your and the community’s safety, there are some restrictions on certain land uses and activities within an easement. However, there are many activities, such as grazing and cropping, which are allowed, or may be permitted after an assessment is completed by Western Power.

What are the permitted activities and restrictions within the easement?

While there are some activity restrictions within an easement for your and the wider community’s safety, there are a number of things that can still occur. Landowners with an easement on their property need to be aware of restrictions, which can be found on the Western Power website. We can also provide a copy to you on request.

In addition to referring to the terms of the specific easement registered on the relevant land, landowners should always contact Western Power prior to planning any work within or adjacent to the easement land.

How will Western Power access the easement and will I be notified?

Our infrastructure, including poles and conductors, need to be inspected regularly to make sure they are safe and do not pose a risk to individuals and communities.

With our network spread far and wide, our assets are often located on customers’ properties, so from time to time, our teams may need to access your property to assess the condition of our infrastructure. We realise this may be an inconvenience to landowners but it is a necessity to keep yourself, your family, your property and your community safe.

To minimise disruption, you can submit a property access form, so we can:

- contact you prior to accessing your property
- take into account property entry considerations prior to accessing your land

Please note that you don’t have to provide this information. If you do, we’ll only use it to organise access to the property and we will not give it to any third parties without your consent.

Western Power has statutory land entry powers prescribed under the Energy Operators (Powers) Act 1979 (WA). Where practicable, we will adhere to any property entry requirements.

How can I access the easement?

You will continue to have ownership of and use of the easement land, subject to the easement terms.

Who will be responsible for maintenance in the easement?

You are responsible for general maintenance of the land within the easement in the same way you are responsible for maintenance of any property owned. You are not responsible for maintaining vegetation in the easement for electrical safety, or for maintaining any electrical or other infrastructure belonging to Western Power.

If an easement is placed on my property, will I be compensated?

Yes, landowners will receive compensation as determined by an independent valuer (engaged by Western Power at its cost), for transmission infrastructure greater than 200kV. The valuer will determine the amount of the compensation with reference to all applicable written laws including the Land Administration Act 1997, the Energy Operators (Power) Act 1979 and applicable valuation principles. If an easement is required on your property, a member of the landowner engagement team will contact you to discuss the process.

For more information on landowner obligations, please visit our Transmission line easement: landowner obligations page.

How does this affect my land title?

An easement is registered on the title of the land to record the easement and ensure it is accurately shown in searches of the land title. When construction is complete, a licensed surveyor will survey the easement to ensure it is accurately recorded. The easement will then be registered on the property title.

General information

What is the Clean Energy Link Program?

First announced by the State Government in 2023, Clean Energy Link Program is aimed at preparing the electricity network to support industry and the community as WA progresses towards net zero emissions by 2050.

As part of this program Western Power will plan, build and manage new transmissions lines and new terminals across the South West Interconnected System (SWIS). Learn more about the Clean Energy Link Program on our website.

What factors are being considered during planning and scoping?

The planning and scoping process carefully evaluates several key factors, including:

- the location of proposed renewable projects
- minimising community impact
- landscape and environmental values
- constructability
- proximity to existing infrastructure
- cost benefits for Western Australians

Who will make the final decision, and when?

After engaging with landowners and stakeholders and gathering feedback on the proposed transmission line route, the information will be provided to Government for industry consultation and funding investment decisions.

The timeline for Clean Energy Link – Moora-Chittering is still to be confirmed. The project is in the early planning stages and, once completed, planning can be coordinated to coincide with the availability of renewable generation.

Who would manage connections from the renewable generators to the new terminal?

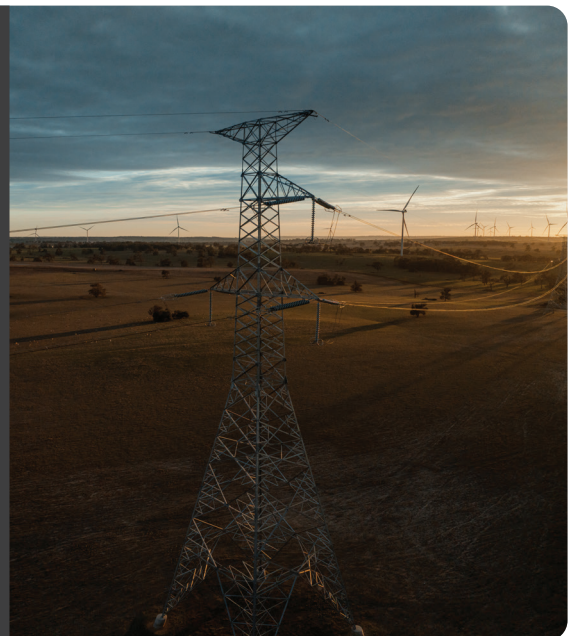
Renewable generators are responsible for connections from their projects to the network. Western Power will work closely with the renewable generators to ensure they meet our requirements and expectations.

Stay informed

We're committed to keeping you informed. We'll share an indicative timeline in advance and work to minimise any disruption as we complete these investigations. Restoring any affected areas to their previous condition is also a priority for us.

To find out more about Clean Energy Link – Moora-Chittering or sign up for our project updates, visit:

westernpower.com.au/cleanenergylinkmoorachittering





More information

Western Power is committed to providing regular project updates. To stay informed and to sign up to receive project news visit westernpower.com.au/cleanenergylinkmoorachittering or email cleanenergylink@westernpower.com.au

Alternatively, call our Customer Service Centre on 13 10 87 between 8.30am and 5pm, Monday to Friday (except public holidays)

Scan to
learn more



westernpower.com.au/cleanenergylinkmoorachittering