

# EnergyConnect

EnergyConnect is a new 900km transmission line which will connect the energy grids of New South Wales, Victoria and South Australia.

The 700km NSW section of the line is part of Transgrid's program to build the future grid and reliably transition to a clean energy future.





Transgrid is the operator of the high voltage electricity transmission network in NSW and ACT and is responsible for more than 13,000km of power lines.

EnergyConnect

EnergyConnect is Australia’s largest energy transmission project. It involves building a new 900km transmission line to connect the energy grids of New South Wales, Victoria and South Australia to help improve reliability and security of electricity supply and allow for future connections from renewable energy sources. This backbone infrastructure will connect customers with more renewable energy enabling a further 4950MW of generation capacity.

Transgrid and ElectraNet are partnering to deliver EnergyConnect. ElectraNet has completed the more than 200km component of the project in South Australia, from Robertstown to the South Australian border. Transgrid and our construction partner Elecnor Australia are delivering the 700km NSW section of this nation-critical infrastructure.

The first stage of EnergyConnect, connecting the power grids of NSW, SA and Victoria, from the SA border, to Buronga in NSW, and across the Murray River to Red Cliffs was integrated into the National Electricity Market in April 2025, unlocking the first 150mW of transfer capacity from the project.

About the Project

EnergyConnect is being built between Wagga Wagga in New South Wales and Robertstown in South Australia, with a connection to Red Cliffs in Victoria. The NSW component, which is being delivered by our construction partner Elecnor Australia, is split into two sections:

NSW – Western Section

- The NSW Government approved the EnergyConnect NSW – Western Section in September 2021.
- This section involves:
- Building around 135km of new 330kV transmission line (Line 1) between the SA border and Buronga substation
  - Replacing about 22km of existing 220kV transmission line (Line 4) between the Buronga substation to Red Cliffs
  - Expansion of existing Buronga substation to accommodate EnergyConnect infrastructure

EnergyConnect West was completed in late 2024 and was integrated in the National Electricity Market in April 2025, providing an additional 150mW of transfer capacity between NSW, SA and Victoria.

NSW – Eastern Section

- The NSW Government approved the NSW – Eastern Section in September 2022.
- This section involves:
- Upgrade and expansion of the existing 330kV substation at Wagga Wagga
  - Building a new 330kV Dinawan Substation (Bundure), near Coleambally
  - Building around 375km of new 300kV transmission line (Line 2) between Buronga and Dinawan Substation
  - Building of 500kV transmission line (Line 5) infrastructure between Dinawan and Wagga Wagga

Construction on the eastern section is expected to be completed by September quarter 2026 followed by a period of inter-network testing

Once completed, EnergyConnect will be Australia’s largest interconnector in the Australian National Electricity Market (NEM).

What is an interconnector?

An electricity interconnector is a connection that allows power to flow in both directions between regions in the National Electricity Market (NEM), providing access to a larger number of electricity generators and greater ability to meet varying demand where and when it is needed most.

Why is the project needed?

The Australian energy landscape is transitioning to a greater mix of low-emission renewable energy sources, such as wind and solar. Several factors are driving this transition, including:

- enabling access to new generation sources as coal-fired plants close
- the potential for renewable generation to lower energy prices
- government commitments to reduce carbon emissions
- demand for a more reliable energy supply.

At the same time, consumers are demanding lower power bills and more secure and reliable service.

EnergyConnect will deliver the infrastructure required to support this evolution by connecting the energy grids of NSW, SA and Victoria. These connections will expand the wholesale electricity market across the three states, meaning increased reliability and security of electricity supply, and lower power bills.

Operating at total capacity, EnergyConnect will be capable of supplying 8.5 per cent of the total average maximum daily demand in NSW.

Camps

EnergyConnect is providing six camps along the project alignment to accommodate up to 1,400 workers. The camps are managed by our construction partner Elecnor Australia.

Workers camps ease pressure on local rental markets and accommodation providers, reduce travel to and from construction sites and ensue staff are safe and comfortable while away from home. The camps feature a fully functional kitchen and dining hall, a gym, medical rooms, Wi-Fi, offices and areas for heavy vehicle equipment. Some camps also have a shuttle bus service to nearby towns so that workers can experience and enjoy the local area during their time on the project.

Transgrid Discovery Hub

Located at Wagga Wagga, the hub provides access to information about our energy vision, major projects employment and training opportunities, operations and community-based activities across the Riverina region. The Hub provides a visual and interactive space for visitors to explore power generation, electricity transmission, the transition to renewables and careers in the energy sector. Shared community spaces are available for use by not-for-profit organisations for meetings, workshops, and conferences.



27 Kincaid Street, Wagga Wagga.  
**Community open hours:** 10am - 3pm Monday to Friday  
**Open for appointments:** 9am - 5pm Monday to Friday  
**Weekends and public holidays:** Closed  
**Discovery Hub enquiries can be made to:** (02) 6922 0203 or [discovery.hub@transgrid.com.au](mailto:discovery.hub@transgrid.com.au)



## EnergyConnect in the Community



### Legacy 100

Transgrid and our construction partner Elecnor Australia, launched this training initiative to boost skills in the power transmission sector across regional NSW. Up to 100 candidates are completing qualifications in Transmission Line Construction, with the program now fully subscribed.



### CSU Scholarships

Transgrid has partnered with Charles Sturt University to help train the nation's next generation of engineers and address Australia's infrastructure skills shortage.



For more information visit  
[csu.edu.au/engineering/transgrid-scholarship](https://csu.edu.au/engineering/transgrid-scholarship)



### Community Partnerships Program

This program offers grants of up to \$5,000 for not-for-profit organisations that are local to our planning, operations, and major project areas. Applications are typically open in March and September each year. Some of the EnergyConnect recipients along the project alignment include so far include:

- Wentworth District Community Medical Centre
- Hay Plains Landcare
- Balranald Community Arts and Crafts Inc
- Lockhart Football and Netball Club
- The Rock Rural Fire Brigade



Visit our web page [www.transgrid.com.au/community/community-partnerships-program](http://www.transgrid.com.au/community/community-partnerships-program) to learn more.



### Regional Development Australia - Riverina partnership

Transgrid and Regional Development Australia (RDA) Riverina have formed Workforce Development Strategic Partnership to deliver jobs and skills boost as the region becomes a hub for the country's renewable energy transformation. The partnership will secure substantial economic, employment and education benefits and support RDA Riverina's key programs over the next three years.

EnergyConnect is creating up to 1,500 jobs, providing a significant economic boost to communities along the 700km alignment.

Our construction partner Elecnor Australia has so far invested more than \$235 million with local and First Nations businesses in the Riverina, Murray, and Sunraysia regions.



### Easement guidelines

Transgrid's Easement Guidelines contain information on activities you can and cannot undertake on our easements. All development activities that interact with any of Transgrid's easements require prior authorisation.

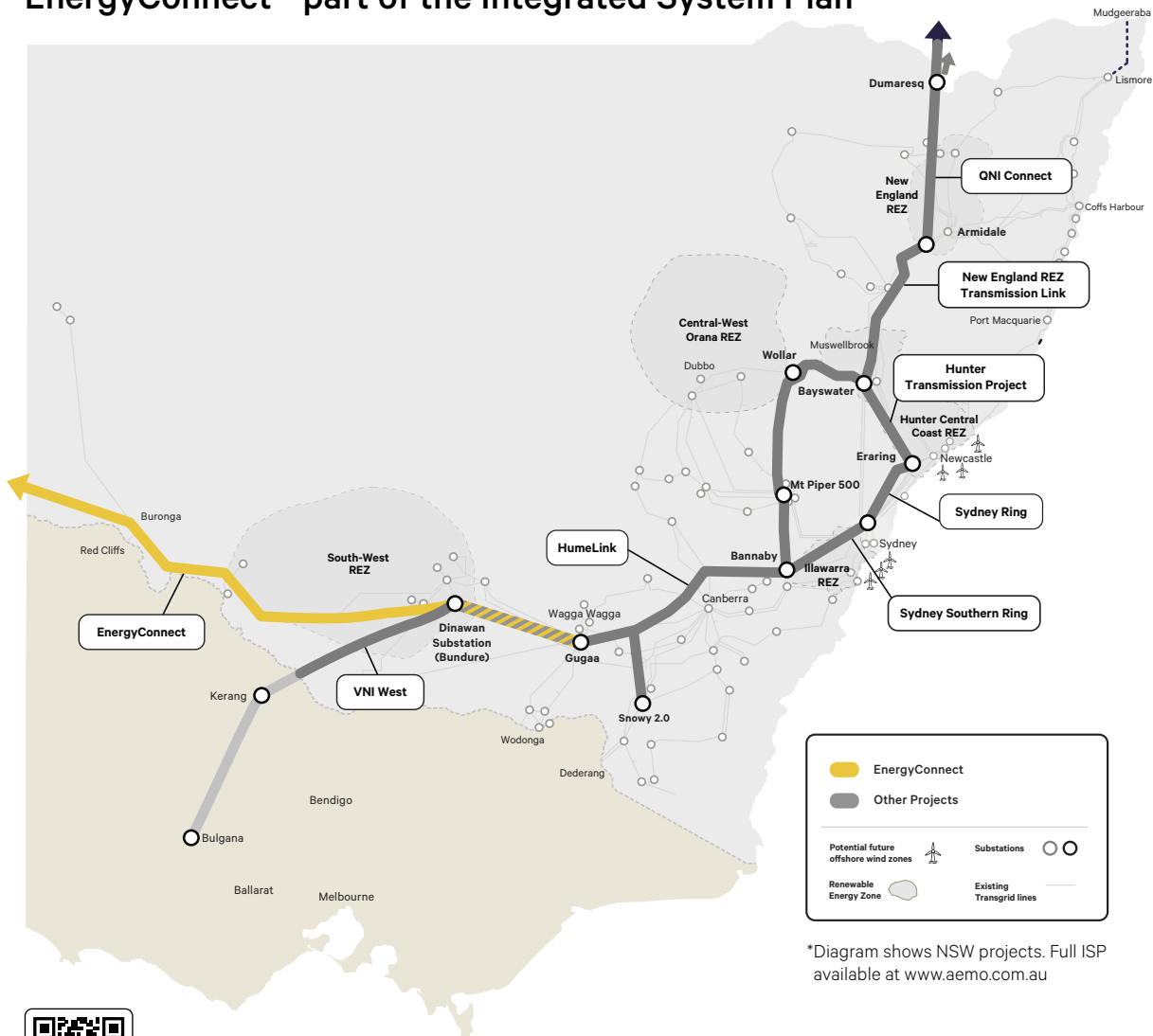


This document refers to relevant guidelines, regulations and codes of practice that must be followed if you plan to work on or near a Transgrid easement.

## Support services for landowners

We recognise our transmission projects may have increased the level of stress and anxiety experienced by landowners. We are committed to supporting landowners who are impacted by the project, and have engaged Assure Programs, an independent, confidential counselling service, to provide free short-term support to anyone who feels they need assistance or simply wants to talk. If you are a landowner and would like confidential support and counselling, we encourage you to book a free appointment by calling Assure Programs on **1800 808 374**, or requesting an appointment online at [assureprograms.com.au/book-an-appointment/](https://assureprograms.com.au/book-an-appointment/)

## EnergyConnect - part of the Integrated System Plan



Scan the QR code for the EnergyConnect interactive map

### Keep up to date on EnergyConnect



To learn more about Project EnergyConnect scan the QR code or visit EnergyConnect online [www.transgrid.com.au/energyconnect](http://www.transgrid.com.au/energyconnect)



Scan the QR code to subscribe for EnergyConnect project updates

### Connect with us

Transgrid is committed to working with landowners and communities through the development of EnergyConnect. Please connect with us for more information.



1800 49 06 66 (free call)  
[pec@transgrid.com.au](mailto:pec@transgrid.com.au)  
[transgrid.com.au/energyconnect](http://transgrid.com.au/energyconnect)

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