

EnergyConnect is Australia's largest energy transmission project. It involves building a new 900km transmission line to connect the energy grids in New South Wales (NSW), Victoria (VIC) and South Australia (SA). This will help improve reliability and security of electricity supply and allow for future connections from renewable energy sources.

This Critical State Significant Infrastructure (CSSI) project is a key element of the Australian Energy Market Operator's Integrated System Plan for a more sustainable energy future.

With planning approvals obtained, construction is underway.

Project Update

Construction started in 2022. The NSW component, which is being delivered by our construction partner Elecnor Australia, is split into two sections:

EnergyConnect West

EnergyConnect West EnergyConnect West between Buronga and the SA and VIC Borders, commenced in 2022 and has been progressing well. This section involves building around 135km of new 330kV transmission line infrastructure between the SA border and Buronga and upgrading about 22km of existing transmission between the Buronga substation and the NSW/Victoria border.

Most of the transmission towers have been erected and the Buronga substation is taking shape.

EnergyConnect East

EnergyConnect East has been underway since late 2023 and involves building around 375km of new 330kV and just over 160km of 500kV transmission line infrastructure between Burronga and Wagga Wagga. Works also include construction of a new substation at Dinawan (Coleambally), and upgrades to existing substations at Buronga and Wagga Wagga.

Early works including site clearing, creating access roads and preparing foundation is continuing, with the first transmission towers expected to go up in the coming months.

What to expect on your property

After all necessary permits and approvals are in place, the team will schedule work in consultation with you.

The main construction activities include:

- clearing vegetation and site establishment works
- ancillary activities to facilitate the construction of the interconnector (e.g. access tracks, laydown and staging areas)
- construction of the proposed transmission towers and lines
- demobilisation and remediation of construction areas.

The construction of the proposed transmission towers involves excavation works at each tower site. This work is required to install foundations, level the ground around them and install drainage. The transmission line towers will typically be assembled in sections on the ground and lifted into place using cranes.

Once a tower is erected and secured, the transmission line will be strung by either a ground-pulled draw-wire (with brake/winch sites) or a line-stringing drone. More detail on how the transmission lines are built is provided on the back page.

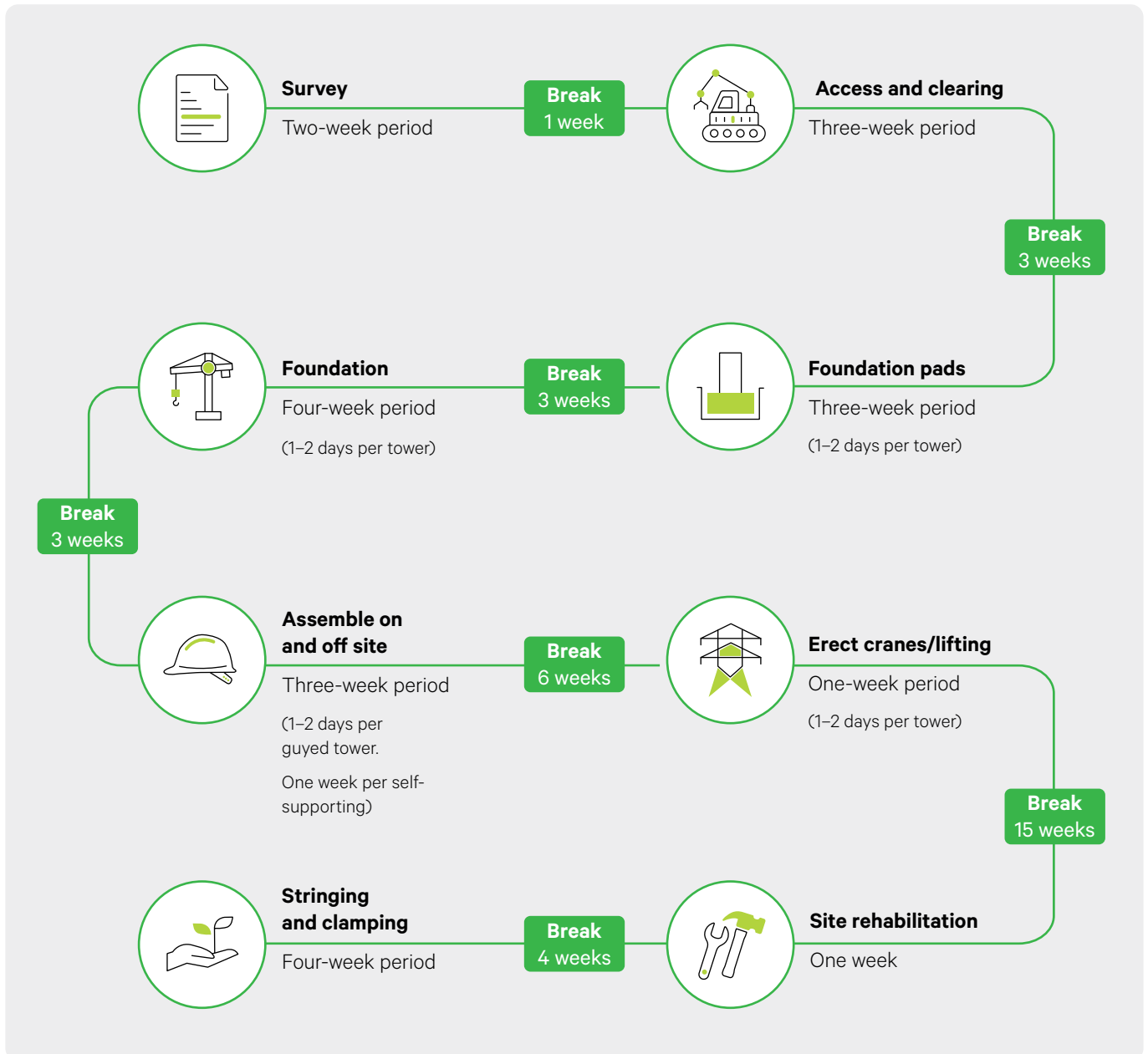
Construction workforce and hours

The workforce size varies depending on the stage of construction and associated activities. You can reasonably expect between 10 and 50 workers on your property at any one time.

Construction work will take place between 7am and 7pm, seven days per week. We will ensure you have full knowledge of the works schedule in advance and do our best to notify you of any changes.



How are transmission lines built?



* The sequencing and timeframes indicated allow crews to work efficiently along the construction line and are indicative

Connect with us

Transgrid is committed to working with landowners and communities through the construction of EnergyConnect. Please connect with us if you need any information.



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