

# Connecting to the transmission network

## Information sheet

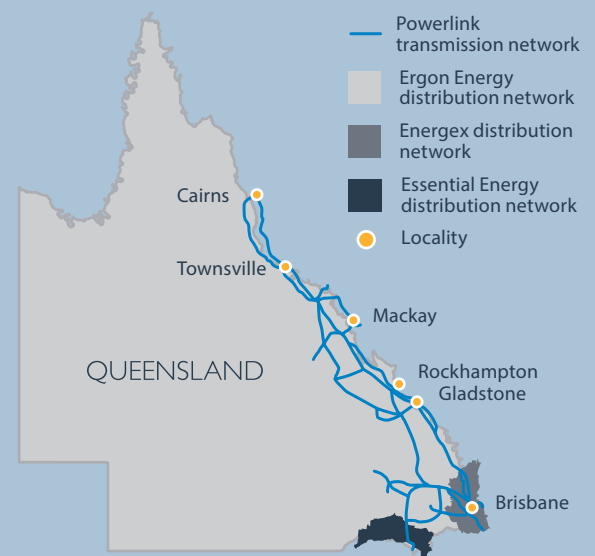
### About Powerlink

Powerlink is a leading Australian provider of high voltage electricity transmission services. We have a strong history of connecting customers and generators, providing electricity to more than five million Queenslanders and large energy users.

Our extensive experience has delivered more than 20 large and complex connections to support the renewable energy transition in the past six years. We combine innovation with insight to deliver safe, cost effective and reliable solutions.

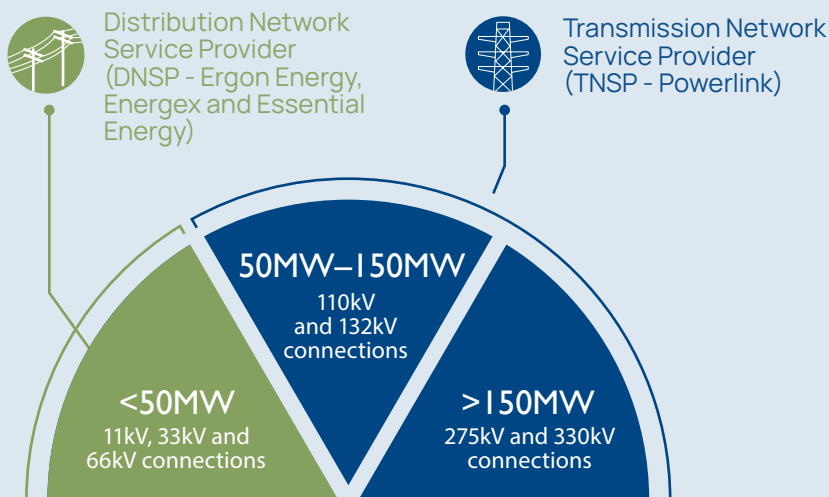
Our expert teams have experience connecting all types of generators, including solar, wind, thermal, gas and hydro electric, as well as large loads. Helping the energy system to transition is a key focus for Powerlink.

### Distribution and transmission networks in Queensland



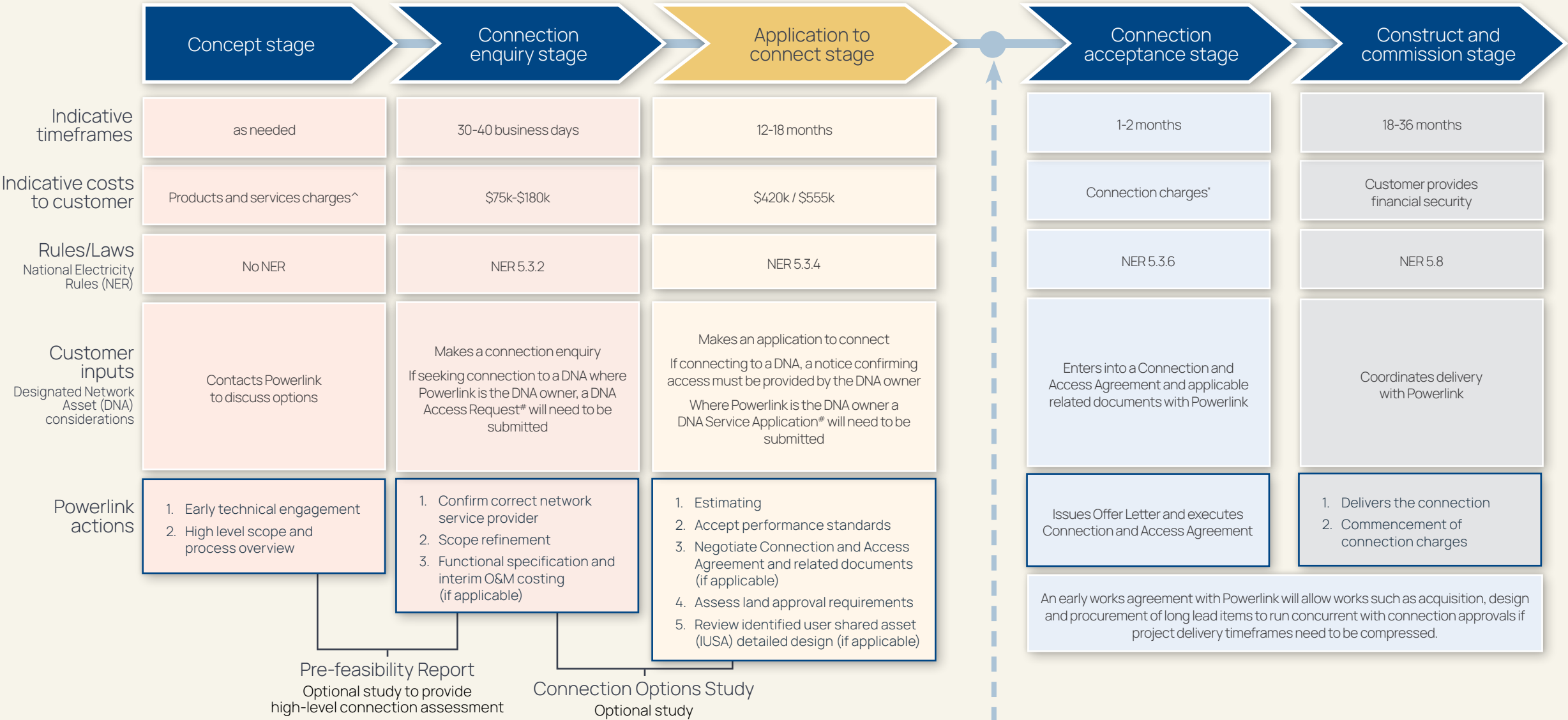
### Indicative connection voltages

Connection voltage level is guided by the intended scale of operation and network location. Specific sites may vary.

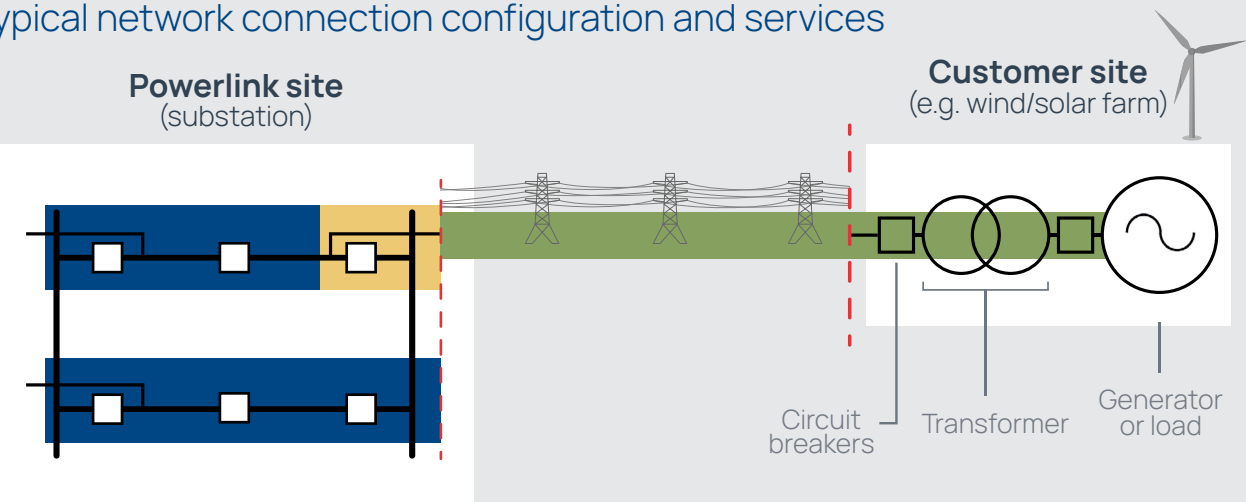


# Network connection process overview

The following flowchart provides an overview of the steps for progressing a potential network connection. Depending on location and the status of the project, it may take up to 36 months for a standard wind or solar farm to be connected from enquiry stage to final commissioning (not including any land acquisition).



## Typical network connection configuration and services



- Prescribed**  
Existing regulated network paid for by all consumers (excluding generators).
- Negotiated / non-regulated**
  - a. Asset is an IUSA for the customer connection and is supplied and installed by Powerlink. The customer pays this cost.
  - b. Subject to criteria, the IUSA can be supplied and installed by an independent third party on behalf of the customer.
- Non-regulated**  
The construction of the Dedicated Connection Asset between the substation fence and the facility is contestable and can be built by an appropriately qualified provider.

## Easement access and approval stage (if required)



Notes:

- <sup>^</sup> Please speak to a Business Development team member for further information.
- <sup>\*</sup> Includes repayment of capital, operation, maintenance and refurbishment of assets.
- <sup>#</sup> Additional fees for Powerlink owned DNA's will apply, refer to the 'DNA related fees terms and conditions' document.

## Connections expertise

Having delivered more network connections on a commercial basis than any other transmission company in Australia, we have the industry intelligence and business acumen to deliver strategic advice and practical connection solutions.

We provide our customers with advice early-on regarding potential connection options, to efficiently and confidently progress projects with certainty. Our expertise continues throughout all project phases to effectively manage and deliver design, construction, testing, commissioning and handover of high voltage transmission line, substation and telecommunications network assets. We provide:

- flexibility, certainty and solutions, delivered on time
- technical expertise at the right price.







## Confidentiality

Powerlink respects the confidentiality associated with prospective network connections, in accordance with the National Electricity Rules (NER 5.3.8).

## Delivering innovative solutions for our customers

In addition to network connection expertise, Powerlink has strong experience across the full spectrum of electricity transmission and associated services. This underpins our ability to efficiently and consistently deliver successful results for our customers.



Network connections



Telecommunications



Oil, insulation and SF6 testing



Asset management



Construction and project management



Easement acquisition



Ongoing maintenance and operations



Sale of high voltage equipment



Property services



Consulting services

## Relevant links

To further assist with your understanding of our connections process, please visit these websites:

- Network connection information:  
[powerlink.com.au](https://powerlink.com.au)
- Powerlink Transmission Annual Planning Report:  
[powerlink.com.au](https://powerlink.com.au)
- National Electricity Rules, via the Australian Energy Market Commission:  
[aemc.gov.au](https://aemc.gov.au)
- Registration information for the Australian Energy Market Operator (including guidelines, forms and the Performance Standards Template):  
[aemo.com.au](https://aemo.com.au)



## Contact Powerlink

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