

Connection of generators and transmission voltage loads



Connection to the South West Interconnected Network (SWIN) is governed by the Access Arrangement. All private generators and transmission voltage loads must apply to Western Power for connection to the SWIN.



Transmission voltage connection at Merredin Terminal.

Connecting either a generator or a transmission voltage load (such as a mine site) to the SWIN involves significant investigation by Western Power into:

- network capacity
- network impacts
- connection requirements

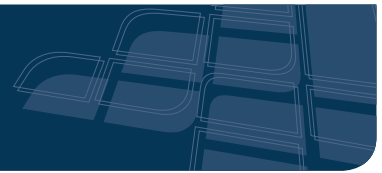
Customers seeking preliminary information about the network requirements for connection may submit a request in writing. Any requirements for studies, cost estimates and timeframes will be discussed with the customer upon receipt of the enquiry. An enquiry is not treated as an application, and is not placed in a queue for network capacity.

Application for connection to the transmission network is made using a Connection Application form. The application is then placed in an application queue. The Applications and Queuing Policy sets out Western Power's policy for processing applications, and explains the operation of the application queue.

It is important to note that a Connection Application will only be placed in the queue if all mandatory technical information required is provided in the application form.

Connection Applications are subject to various documentation, including but not limited to the:

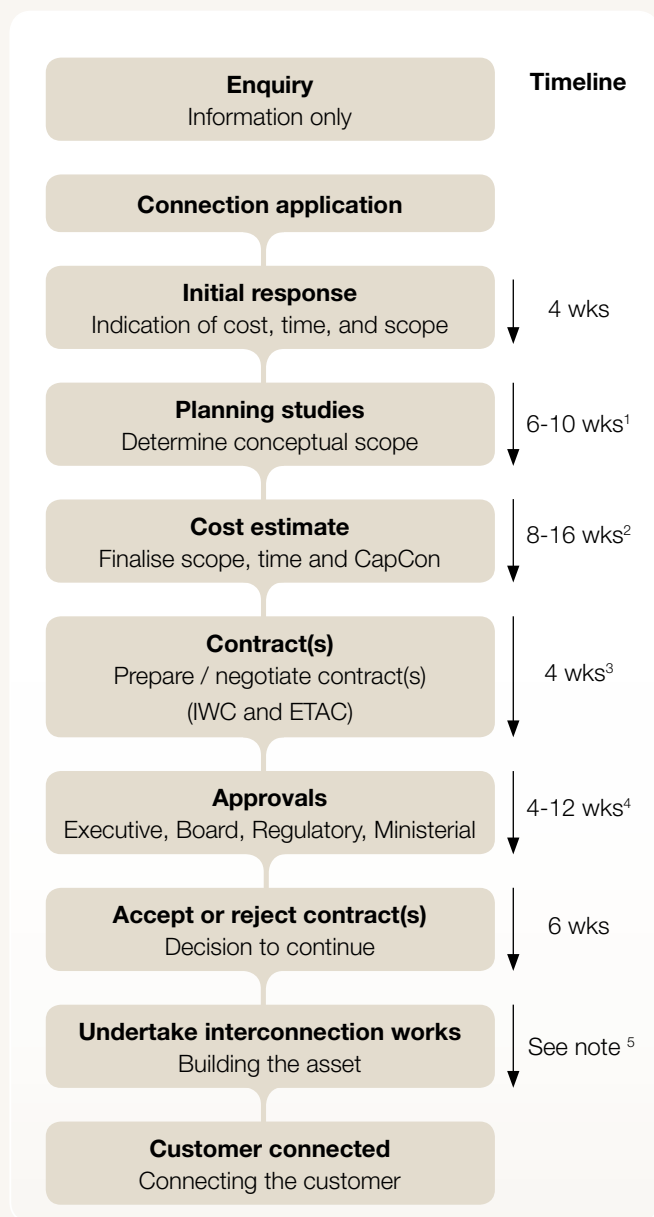
- Electricity Networks Access Code 2004
- Access Arrangement
 - Applications and Queuing Policy
 - Capital Contribution Policy
 - Price List
- Technical Rules



Applying for a network connection or upgrade

The following flowchart illustrates the typical process of applying for a network connection or upgrade for the following connection types:

- Generators at 6.6 kV to 33 kV (distribution)
- Generators and loads 66 kV and above (transmission)



Legend

CapCon - Capital Contribution

ETAC - Electricity Transfer Access Contract

IWC - Interconnection Works Contract

¹ Assuming all information has been provided

² Subject to the complexity of project

³ Subject to Applicant's legal requirements

⁴ Approvals may take longer for major or complex projects

⁵ Typical timeframes are:

- 2-3 yrs for substation

- 2-5 yrs for line route selection and approval

- 2-3 yrs for line construction (depending on length)

Documentation and further information

For all enquiries please call **13 10 87**.

For more information on the Electricity Networks Access Code 2004, the Access Arrangement, the Applications and Queuing Policy, or the Capital Contribution Policy please refer to the Western Power website at www.westernpower.com.au

Application forms are also available on the Western Power website.

Related fact sheets

- Applications and Queuing Policy
- Capital Contribution Policy

The information provided here is to be used as a guide only.