

Mt Barker Redevelopment New 66kV Line and Substation

What is a substation?



A substation is a crucial element of the electricity network.

Substations generally have switching, protection and control equipment, as well as transformers. Other devices such as capacitors and voltage regulators may also be located at a substation.

Substations are not power stations – they do not generate electricity.



Inside an SA Power Networks substation

The key role of a substation is to help regulate supply in the network, including:

- converting high voltage electricity down to a lower voltage that can be delivered to homes and businesses
- helping manage voltage fluctuations
- providing crucial network protection from electrical faults or equipment failure
- assisting with network management through switches, circuit breakers and other devices
- allowing control of the network for maintenance and other work.