

Macquarie substation project

Proposed new substation for Macquarie Park

Ausgrid has started early planning for the development of a new subtransmission substation (STS) at Macquarie Park. This is required to meet a significant increase in demand for electricity in the area.

The new substation would be built on Ausgrid's property at 17-21 Waterloo Road, Macquarie Park on the vacant land in front of the existing Macquarie Park zone substation. It is proposed to be an indoor style substation. Please refer to the map below for the proposed substation site.

The project will also involve installing new overhead 132,000 volt powerlines to supply the substation as well as 33,000 volt underground cables exiting the substation to provide electricity to customers in the area. Some excavation in the local area would be required to install the 33,000 volt cables.

You have received this newsletter because you live or work near the proposed Macquarie sub-transmission substation site.

Current status of project

Since June 2018, Ausgrid has been in consultation with Ryde Council to discuss the proposal and receive early feedback. Ausgrid has also conducted site investigations to assess the ground conditions and locate existing services in the area.

This has helped in considering a number of route options to connect power to the proposed substation, and identify routes for cables exiting the substation.

Proposed cable routes

Ausgrid is in the process of investigating potential alignments for the cable routes to ensure that all technical, environmental, community, safety and economic factors are addressed.

The proposed overhead 132,000 volt connection will likely exit the site from Waterloo Road to the south-east and connect to an existing tower line that passes along the eastern edge of Macquarie Park cemetery.

Alignments for the proposed 33,000 volt underground cables are still being investigated.

Early remediation works

In order to meet immediate short term demand, Ausgrid needs to undertake some construction works at the substation site.

This will involve the removal of fill in front of the substation and the construction of a retaining wall. These works are independent of the planned new substation, however will be incorporated in the overall design. Refer to map (overleaf) for the proposed location of the fill removal and retaining wall works.



Key dates

To date

- Preliminary investigations
- Early consultation with key stakeholders

September 2018

Community Engagement

- Introduce project and receive input from the community
- Feedback used by Ausgrid to refine plans

Early Works

- Ausgrid commences site remediation works consisting of fill removal and construction of a retaining wall

October – November 2018

Environmental Assessment

- Ausgrid publishes a draft environmental assessment known as a Review of Environmental Factors or REF for community consideration and submissions

Late 2018

Project Design

- Community feedback included as a part of the project review and REF finalised
- Ausgrid and its contractors develop detailed design for the substation and cable routes
- Ausgrid customers begin related works for new underground connections to the existing substation

Early 2019

Project Approval

- Project approval obtained

2019 – 2021

Construction

- Building of substation and trenching to lay underground cables
- Simultaneous works to install overhead powerlines
- Ongoing liaison with the community to minimise impacts

Related works

Some of our major customers will also work in the vicinity of the existing substation to connect their cables to our electricity network.

Project assessment and approval

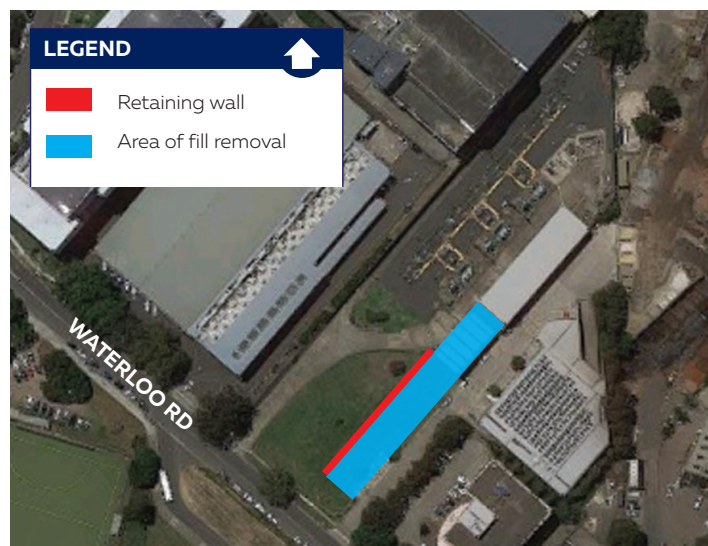
Under the *Environmental Planning and Assessment Act 1979*, Ausgrid is the determining authority for this project. As part of this process, an environmental assessment (known as a Review of Environmental Factors or REF) will be prepared.

The REF investigates the potential environmental impacts associated with the construction, operation and maintenance of the proposed substation.

The REF will be displayed and community feedback will be considered prior to the project being assessed for construction approval.

The associated overhead 132,000 volt and underground 33,000 volt cables will be subject to a separate environmental assessment.

Early remediation works



Have your say

Community feedback will help Ausgrid plan this project to minimise impacts during construction. As a part of the planning process, Ausgrid will review and consider all feedback received.

The latest project information will also be available on the project web page (see contact details). If you would like to receive project updates electronically, please email us with your details.

Next steps

Following initial feedback from the community, Ausgrid will prepare the detailed design and further consult with the community about the plans. Subject to project approval, Ausgrid plans to start construction works on the substation in early 2019.

Keeping you informed

Pending approval, properties near the proposed site and along the cable route will receive further updates as the project progresses, including details on what to expect during construction.

Contacting us

You are welcome to contact us with any enquiries:

Call 1800 604 765 (free call from fixed phones)

Email majorprojects@ausgrid.com.au

Visit ausgrid.com.au/macquarie

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