

Macquarie substation project

Proposed substation in Macquarie Park

Ausgrid has started 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.

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.

Project so far

Earlier this year, Ausgrid conducted site investigations to assess the ground conditions and locate existing services in the area.

As a part of early remediation works, Ausgrid has also undertaken some construction work that involves the removal of fill in front of the existing substation.

Community engagement

Ausgrid has been in consultation with Ryde Council from June 2018 to discuss the proposal. Since our first newsletter in September, Ausgrid has got in touch with the surrounding community and businesses to talk about our plans to build a new substation and receive early feedback.

Following community engagement and subsequent planning, we now have a proposed design for the substation.

An environmental assessment (known as a Review of Environmental Factors or REF) for the proposed subtransmission substation has been prepared based on this design and is now on display.

This newsletter provides an update on the project and information on how you can view and make a submission on the REF.

View the environmental assessment

Ausgrid invites the community to review the proposed substation design, ask any questions and provide feedback as part of the environmental assessment process.

The REF is on public exhibition until 21 February 2019. You can submit your feedback via the form on our project web page or contact us and we can send you a form. There are a number of ways you can read the REF:

In person

Printed copies of the REF are available at:

North Ryde Library – 201 Coxs Road, North Ryde 2113

Ausgrid – 570 George Street – available at reception on Bathurst Street.

Web

ausgrid.com.au/macquarie



Key dates

To date

- Preliminary investigations
- Early consultation with Ryde Council and key stakeholders

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 excavation and removal of fill

January 2019

Environmental Assessment (REF)

- Now – REF on exhibition
- **21 February 2019** – REF exhibition closes. Last day for REF submissions

Early 2019

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

Project Approval

- Project approval obtained

2019 – 2021

Construction

- Building of substation
- Simultaneous works to install overhead power lines
- Ongoing liaison with the community to minimise impacts

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) has been prepared and is now on display.

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

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

Contacting us

You are welcome to contact us with any enquiries:

Call 1800 604 765

Email majorprojects@ausgrid.com.au

Visit ausgrid.com.au/macquarie

Interpreter service 131 450

Building design

Ausgrid has prepared plans for the proposed new substation structure. The proposed substation will accommodate key electrical equipment such as the transformers and associated switching equipment.

The building layout is predominantly controlled by the constraints of the site, electrical design requirements and Ausgrid's standards. The layout has been designed to minimise environmental impacts whilst meeting the needs of Ausgrid's electrical network. The design reflects the compact nature of the site whilst maintaining the architectural features of the surrounding properties.

An artist impression of the proposed substation building can be viewed overleaf. Please note that the building design is illustrative only and is subject to change.

Related cable work

The proposed overhead 132,000 volt connection will 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 and Crematorium.

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

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

After considering and addressing feedback from the community and further planning, Ausgrid will then confirm our plans and complete the environmental assessment.

Subject to finalisation of the REF and project construction approval, Ausgrid plans to start construction works on the substation from April 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.

