



Wembley Downs Substation Upgrade

INFORMATION SHEET

As part of our commitment to improve the quality and reliability of power and to cater for the future power needs in your area, Western Power is proposing to upgrade the Wembley Downs zone substation.

Proposed Project Timeline*	
Work commences	November 2007
Equipment installation	June 2008 – December 2009
Landscaping commences:	December 2009

* subject to change

Project overview

The proposed upgrade to the Wembley Downs zone substation on Empire Avenue will improve the quality and reliability of power and meet the growing need for power in the Wembley Downs area.

The work will involve the installation of new equipment, which is required to manage the future power requirements of the area. The existing transformers will be replaced with two new transformers and a new switch room will be built.

The new equipment will be assembled, constructed and installed within the boundaries of Western Power's existing property. To allow for the upgrade, a new fence will be extended to the northern boundary of the property.



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Informing the Community

Western Power is committed to keeping key stakeholders informed about the project's progress. Information will be provided through letters, brochures, and advertisements and at www.westernpower.com.au

Environmental Considerations

To allow for the upgrade works in the substation, some vegetation on the property will need to be removed or selectively pruned.

Western Power's commitment to protecting the environment ensures that the planning, design and construction of all its assets is in strict accordance with Commonwealth and State legislation.

Boundary and Screening

To maintain public safety and the security of the substation a three-meter high security fence will be constructed on the northern boundary of the property and will connect to the existing fences.



An example of substation fencing

Western Power will landscape and screen the substation using species common to the surrounding area and streetscape. This work will be carried out in consultation with the local government authorities.



Native vegetation used for screening substations

Questions and Answers

What is a zone substation?

A zone substation, like the one at Wembley Downs, 'steps down' the high voltage power of transmission lines to the lower voltage suitable for distribution to residences and businesses.

Why does the substation need upgrading?

An increased demand for power in the area in recent years has resulted in load increases at the Wembley Downs substation at approximately 5% a year. Population growth including infill housing developments in the area, combined with the increased use of appliances such as air conditioners, LCD/plasma TVs and pool pumps, is placing increased pressure on the power network and its operating equipment.

When will construction take place?

Construction will take place on weekdays and the occasional Saturday. Some out of hours work may be undertaken to manage safety requirements. Some noise and dust may be created during the construction phase. The planned construction work should not impact on residential power supplies.

Will the new transformers be noisy?

The new transformers will be substantially quieter than the existing transformers. Additionally, noise barriers will be erected within the substation to minimise any noise emissions.

Contact us

If you have further questions about this project please contact Lyall Murphy on 9326 4744 or email lyall.murphy@westernpower.com.au

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