

Underground power in your area

Over the coming months parts of your suburb will be switching from an overhead to an underground power supply. The following information will help you understand what's involved and how it will impact you.

Making the switch from overhead to underground

As part of our **Underground Power Program**, we're working with the State Government and the City of Cockburn to convert overhead distribution powerlines to underground power. This conversion will improve the reliability of your power supply and provide a safer environment for all.

Expect to see us very soon when we begin installing new underground cabling, primary equipment and new LED streetlights in your suburb.

How will underground power benefit me?

- ✓ **Improved public safety** – with improved streetlighting making neighbourhoods safer.
- ✓ **Improved reliability and security** – once the power is underground you're likely to experience fewer disruptions during significant storm events, which means fewer power outages.
- ✓ **Improved street appearance** – who doesn't want to live on a nice looking street? Removing powerlines create a more aesthetically pleasing neighbourhood.

- ✓ **Increased property value** – the absence of poles and wires and the inclusion of new streetlighting has a positive impact on property values.
- ✓ **Reduction in street tree pruning** – no need to worry about trees getting in the way of poles any more! The property owner and LGA will save on maintenance costs.
- ✓ **Lower life-cycle costs** – underground power has minimal maintenance and operating costs.
- ✓ **Support emerging technologies** – underground power helps pave the way for innovation and caters better to future power demand.

The next stage

Our contractor carrying out the work in your suburb will drop an advice notice in your mailbox notifying you of the following:

- contractor company name
- planned start dates
- contact details
- other key information.



Before

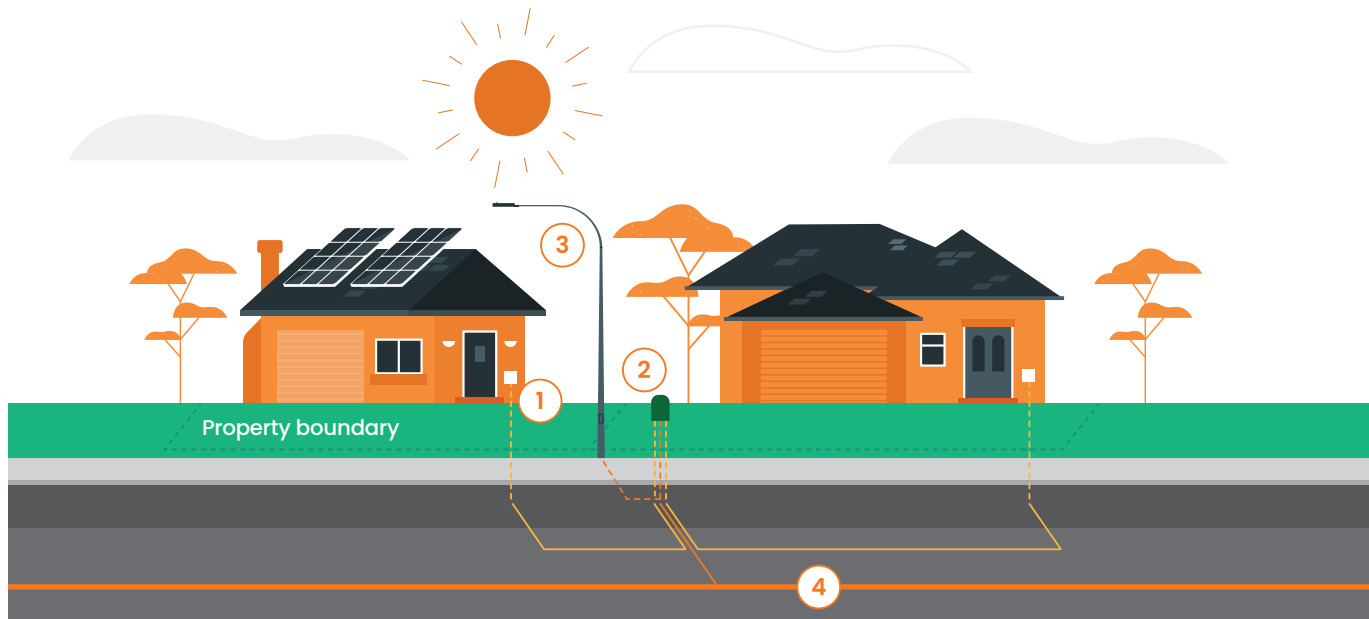


After

Before and after images for indicative purposes only. Location of equipment such as streetlights subject to final design.

What you can expect

The diagram below illustrates the new infrastructure that will directly impact you.



- 1 Consumer mains connection**
The cable connecting your house (meter box) to the pillar will be installed at a depth of 500 – 650mm. It becomes your property as the landowner.
- 2 Pillar (green dome)**
The connection point between your home and the network is installed on your property boundary. Typically one unit services two properties.
- 3 Streetlights**
New LED streetlights will be installed to Australian Standards. Compared to conventional streetlights, the new LED system provides enhanced illumination and may appear brighter.
- 4 Distribution network**
The network of high voltage/low voltage underground cables that provide power to your area.

Above ground transformers and **switchgear units** to manage the distribution of power are installed in parks, public spaces or along verges.

Overhead transmission lines in your area will not be underground due to the high cost of undergrounding transmission infrastructure.

Project updates

You'll be informed every step of the way with advice notifications dropped in your mailbox by the contractor, prior to delivering the work.

You can also view the latest updates at:
westernpower.com.au/underground-power-projects

We recommend you keep this flyer handy as a quick reference guide.

Not sure who to contact?

- **Project costs and funding** – City of Cockburn
- **Project works impacting you** – Contractor
- **Underground power general information** – Western Power.

Visit our FAQs page at westernpower.com.au/faqs/underground-power or contact City of Cockburn on **9411 3444** or customer@cockburn.wa.gov.au



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