

September 2021

Dear homeowner/tenant,



Ginninderry's First Community-Scale Battery Project

Notice of installation on Tredwell Street

CWP Storage is writing to inform you of the upcoming installation of a community-scale Battery Energy Storage System in your area – a first of its kind in Canberra! As part of Ginninderry's commitment to renewable energy and an all-electric suburb, CWP Storage has been working closely with Evoenergy and the Ginninderry team to trial community-scale energy storage solutions as a way to mitigate the need for traditional network upgrades that can be expensive.

In its early stages of operation, the battery will provide grid support to Evoenergy's distribution kiosk substation – the green boxes located in local neighbourhoods that contain important electrical equipment. The battery will help control power flow in and out of the neighbourhood by storing and releasing power at certain times of the day and night.

CWP Storage is also investigating suitable technology providers to enable virtual storage services for residents. This service would store excess residential solar power, ready for use when the sun goes down. We will notify you when this capability becomes available.

The size of the battery is equivalent to two Tesla car batteries and can store 275kWh of energy whilst sustaining 250kW of power for 1 hour. The battery, including all electrical and safety equipment, will be housed in purpose-built enclosures which have been designed to look like the adjacent kiosk substation.

The site selected for this battery project is **Block 20, Section 19, Strathnairn (near Tredwell Street opposite Blundell Place)**. This location is one of several specific areas allocated by the Ginninderry team to facilitate battery storage projects. These blocks were identified through the Ginninderry Estate Development Plan (the Development Plan) and in Block Disclosure Plans as 'future microgrid buildings'. As technology has progressed, the size and scale of these systems have decreased. The area needed for this battery project is 3m × 3m, compared to the 15m × 5.6m allowed for in the Development Plan.

CWP Storage plans to install the battery between 1 November and 30 December 2021 with the installation taking 7-10 days. A forklift or small crane will be used to unload the battery from a flatbed truck into position on Tredwell Street.

For more information, CWP Storage will be hosting a community Q&A night held in October. Please register your interest before September 30 by emailing Jeff.allen@cwprenewables.com

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Jeff Allen', written over a light blue horizontal line.

Jeff Allen
CWP Storage Pty Ltd

Who are we?

CWP Storage Pty. Ltd. is a subsidiary company to CWP Renewables Pty Ltd.

In 2016 CWP Renewables was awarded the ACT government’s wind energy auction, securing a 20-year contract for 100MW of capacity allowed CWP to go ahead and build the biggest wind farm in NSW.

CWP Renewables’ Sapphire Wind Farm has invested \$3.2 million in CWP Storage Pty. Ltd. which supports local renewable projects in the ACT.

CWP Storage has since launched operations and funded a \$1,000,000 loan towards the Community-owned solar farm “SolarShare” in the Majura Valley.

The Ginninderry Community-scale battery will be CWP’s first funded battery installed in Canberra.

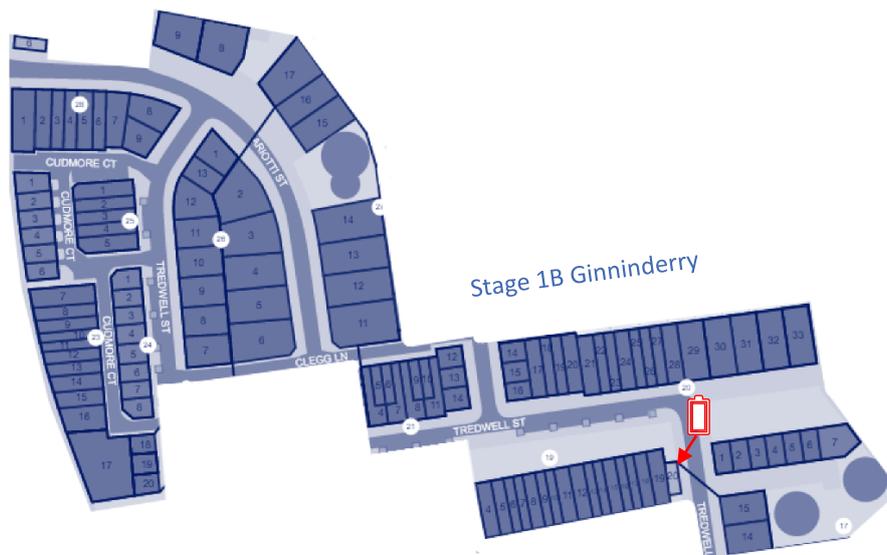
What are the benefits?

Community batteries could offer a flexible alternative to traditional poles and wires investment and can reduce peak demand helping distributors like Evoenergy place downward pressure on energy prices.

In its early stages, the battery will predominantly be providing services to the grid. We hope to develop a “storage as a service” model and offer connected homeowners the chance to trial virtual storage technology.

Where is the battery being installed?

The battery will be located on Block 20 Section 19 Strathnairn (see image below). It will be installed next to, and connected to, Evoenergy’s kiosk substation. A more detailed site plan has also been provided within this letter.



Are there other similar projects?

Yes, Community batteries are increasing in popularity across Australia. Ausgrid is trialling two community batteries in Blacktown and Beacon Hill, NSW, and Western Power have installed multiple community batteries in Perth, WA.

An identical battery used in this project has been installed at the Goulburn Budget Petrol Station NSW and Torquay VIC (as Ultra Rapid EV Charging Batteries).

The Federal Labor Party has announced that if they win the next election, they plan to install hundreds of “community batteries” across the country.

Can I still install a battery in my home?

Yes, you can install a traditional home energy storage system.

How big is the battery?



The battery consists of two main units - a battery enclosure and an inverter enclosure. The units sit on top of a 3m x 3m concrete slab and are approximately 2m tall.

What does it look like?

The battery will look just like other electricity network enclosures.

CWP Storage is working with the Ginninderry team on external design application to enhance its aesthetic. The battery will also be surrounded by additional landscape planting as approved by the ACT Government.

Is it safe?

Yes, Lithium-ion batteries are considered very safe to use. Battery manufacturers have carefully designed and tested their cells, modules, racks, and systems to prevent the emergence of fire.

CWP Storage will also conduct ongoing maintenance and monitoring of the community battery.

In addition to the battery system safety features, the battery cabinet uses a specific fire suppression system. In the unlikely event of a fire, the suppression system automatically detects and suppresses fire as soon as it begins.

As additional protection, two safety bollards will be installed to ensure the batteries are safe from a vehicle collision.

Will the battery be noisy?

Extensive noise modelling has been conducted on the system and internal noise suppression measures have been put in place to limit any noise from the fan unit within the system.

How can I sign-up to hear more about the Storage as a Service offer?

Register your interest at battery@ginninderry.com or by scanning the QR code on the battery.

Will the battery impact my solar Feed-in Tariff (FIT)?

No, your home solar PV system measures any surplus energy through your retailer's energy meter, and this will remain the case.

I have some more questions, who can I contact?

Please register your interest in the upcoming Q&A session with CWP Storage by email - Jeff.allen@cwprenewables.com

You can also register your interest in the Storage as a Service trial at battery@ginniderry.com

Battery & Inverter enclosure



Battery Site



Fire Suppression System

