

# Canberra Wind Solar and Energy Storage





## Overview

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How will battery storage affect Canberra's electricity grid?

Battery storage will play an increasing role in Canberra's electricity grid as we move towards electrifying our city and achieving net zero emissions by 2045. Renewable energy such as wind and solar energy make electricity that large-scale batteries can store. Batteries help support the electricity grid when the sun and wind can't.

Will a big battery power Canberra?

The government said the big battery project will be capable of responding rapidly to network constraints and will be able to store enough renewable energy to power one-third of Canberra for two hours during peak demand periods. The Williamsdale battery will be developed, built and operated by Macquarie Group offshoot Eku Energy.

What is the Big Canberra battery project?

The Big Canberra Battery project will deliver an ecosystem of batteries across the ACT to ensure that our electricity grid remains stable. The Big Canberra Battery project includes: The large-scale battery storage system in Williamsdale will deliver 250 megawatts (MW) of power, store renewable energy and support grid reliability.

What does Williamsdale's battery storage system mean for Canberra?

The large-scale battery storage system in Williamsdale will deliver 250 megawatts (MW) of power, store renewable energy and support grid reliability. This is enough energy to power one-third of Canberra for two hours during peak demand periods. Behind-the-meter batteries were installed to help power essential services across nine government sites.



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Canberra begins construction of battery energy storage system

Nov 27, 2024 · The Australian Capital Territory (Act) Government and global energy storage firm Eku Energy have begun construction on the Williamsdale Battery Energy Storage System ...

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Construction begins on ACT's 250 MW Williamsdale BESS

Feb 11, 2025 · The Australian Capital Territory (ACT) government and Eku Energy have commenced construction of the Williamsdale Battery Energy Storage System (BESS), a 250 ...

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Canberra Named Renewable Energy Capital ...

Sep 8, 2016 · It's not just the nation's capital - Canberra's efforts in renewables and energy storage have earned it the title of renewable ...

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SOLAR PV AND STORAGE TRAINING COURSES ...

Jul 17, 2023 · Qualification/course Accreditation type Organisation name Location PhoneACT (continued)

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Neoen , Global leader in renewable energy

2 days ago · With expertise in solar, onshore wind, and storage, Neoen accelerates the energy transition by delivering clean, ...

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Energy storage canberra

Energy storage is a technology that holds energy at one time so it can be used at another time. Building more energy storage allows renewable energy sources like wind and solar to power ...

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Canberra's green machines: ACT reaches ...

Oct 1, 2019 · Hornsdale 3 wind farm begins supply to ACT, taking national capital to its target of 100% renewable electricity, cutting emissions and ...

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Community batteries, community benefits ...

May 20, 2025 · Storage of surplus solar is critical as we transition to renewable energy because the sun doesn't always shine and the wind ...

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Integrated Wind, Solar, and Energy Storage: Designing Plants with ...

Apr 18, 2018 · Colocating wind and solar generation with battery energy storage is a concept garnering much attention lately. An integrated wind, solar, and energy storage (IWSES) plant ...

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Wind-solar-storage trade-offs in a decarbonizing electricity ...

Jan 1, 2024 · Exploring cost-effective wind-solar-storage combinations to replace conventional fossil-fuelled power generation without compromising grid reliability becomes increasingly ...

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Macquarie's Eku gets green light for 500 MWh Canberra big ...

Jul 23, 2024 · The way has been cleared for construction to begin on a 250 MW / 500 MWh battery energy storage system that will help "future proof" the Australian Capital Territory's ...

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CLEAN ENERGY AUSTRALIA

Jun 17, 2024 · We represent and work with hundreds of leading businesses operating in solar, wind, hydro, bioenergy, energy storage, hydrogen and emerging technologies along with more ...

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Canberra Energy Storage Reservoir Progress: Powering ...

Why the Canberra Energy Storage Project Is Making Headlines Australia's capital is stepping into the renewable energy spotlight with its ambitious Canberra energy storage reservoir project. ...

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Naturgy commissions its first battery storage ...

Feb 2, 2023 · Naturgy has successfully connected its first battery storage facility in the world to the grid, a historical milestone for the company in ...

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The Future of Energy Is Here - Inside Canberra's Bold ...

Nov 26, 2025 · With a goal to achieve 100% renewable electricity, Canberra is investing in solar and wind farms, EV infrastructure, and intelligent battery storage. The integration of microgrid ...

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The Big Canberra Battery , Williamsdale ...

1 day ago · Canberra Times: ground breaking ceremony, plugging in profits from a big battery. ITP Renewables was engaged by Eku Energy to ...

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Canberra begins construction of battery ...

Nov 27, 2024 · The Australian Capital Territory (Act) Government and global energy storage firm Eku Energy have begun construction on the ...

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Advancing Canberra's Energy Landscape with Community Battery Energy

Jan 13, 2025 · With a \$1.5 million investment and support from Evoenergy, Canberra's electricity distribution network service provider, the new project aims to bring energy storage closer to ...

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Macquarie's Eku gets green light for 500 ...

Jul 23, 2024 · The way has been cleared for construction to begin on a 250 MW / 500 MWh battery energy storage system that will help "future proof" ...

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Naturgy commissions its first battery storage facility ...

Feb 2, 2023 · Naturgy has successfully connected its first battery storage facility in the world to the grid, a historical milestone for the company in the renewables business. The ACT Battery ...

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ENERGY STORAGE IN THE ACT

Mar 18, 2025 · Energy Storage is critical for ACT's 100% renewables and net-zero target. Helps to put downward pressure on electricity price paid by ACT consumers. Reduces the need for ...

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The Big Canberra Battery , Williamsdale Energy Storage ...

1 day ago · Canberra Times: ground breaking ceremony, plugging in profits from a big battery. ITP Renewables was engaged by ECU Energy to provide expert planning support throughout the ...

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Advancing Canberra's Energy Landscape with ...

Jan 13, 2025 · With a \$1.5 million investment and support from Evoenergy, Canberra's electricity distribution network service provider, the new ...

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Big Canberra Battery

3 days ago · Battery storage will play an increasing role in Canberra's electricity grid as we move towards electrifying our city and achieving net zero emissions by 2045. Renewable energy ...

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