



# Canberra neutral energy storage project

Why is Canberra launching a battery storage system?

The Australian Capital Territory government has firmed its commitment to deliver one of the largest battery storage systems in the Southern Hemisphere to support Canberra's energy grid and the continued uptake of renewables with funding allocated in the upcoming budget to progress the Big Canberra Battery project.

How will the Big Canberra battery project work?

Selection of the battery operator will be made in late 2024 following a procurement process. The Big Canberra Battery project will provide renewable energy security across the electricity grid, help the ACT grow its renewable energy sector, provide more local employment opportunities, and deliver a positive financial return for the Territory.

Why is the Big Canberra battery a significant milestone for Eku energy?

Quote attributable to Eku Energy CEO, Dan Burrows: "The Big Canberra Battery represents a significant milestone for Eku Energy as it marks our first GWh of projects in delivery in Australia. We are proud to be working in partnership with the ACT Government to deliver the development of the first stream of the Big Canberra Battery.

Will Canberra's energy supply be future-proof?

The ACT Government has reached a major milestone in its work to future-proof Canberra's energy supply. The development application has been approved to deliver Stream 1 of the project - a grid-scale battery in Williamsdale. This ACT Government has partnered with Eku Energy on this project. Construction will begin later this year.

What role does battery storage play in 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. 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.

How much power will the Big Canberra battery deliver?

The Big Canberra Battery will be capable of delivering 250 MW of power - more than a third of Canberra's peak electricity demand. It will be able to deliver this power for two hours. The Big Canberra Battery will have 500 MWh of capacity, which on a single charge could supply 23,400 households with their daily energy use.

Energy storage is becoming an increasingly important part of the national electricity market (NEM) and recent forecasts point to a greater role for storage in the future. ... Project Details . Reference: ERC0280. Proponent(s): AEMO Stage: Completed Date initiated: 20-Aug-2020 Commenced: 9-Dec-2021, Schedules 1 to 6 of the Rule commence on 3 ...

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As referenced above, the Act adds standalone energy storage projects as qualifying facilities eligible for the ITC. Storage is defined as (i) property (other than property primarily used in the transportation of goods or individuals and not for the production of electricity) which receives, stores, and delivers energy for conversion to ...

On August 16, 2022, President Biden signed into law the Inflation Reduction Act of 2022 (the IRA). Embedded in the IRA is \$369 billion in climate and energy-related provisions, which are designed to (1) incentivize and accelerate the buildout of renewable energy, (2) advance the adoption of EV technologies and (3) improve the energy efficiency of buildings and communities.

Under Section 48C of the Act, standalone storage projects and interconnection property placed in service after December 31, 2022 would count as qualifying facilities eligible for the tax credit. Energy storage projects would now qualify for the ITC whereas, under current law, standalone storage projects do not.

Although an announcement today from the office of ACT Chief Minister Andrew Barr did not disclose the amount of investment, various reports in local media said the state government will commit around A\$850,000 (US\$586,000) initial funding from the budget to get the project started.. The project was first revealed in a previous budget for 2020-2021, with the ...

The credits apply to facilities with net-zero greenhouse gas emissions and will succeed the IRA's existing production tax credit (PTC) and investment tax credit (ITC) for qualifying wind and solar projects. In addition, qualified energy storage facilities will be able to receive the new technology-neutral ITC if they enter service in 2025 or later.

For investment in renewable energy projects: ... solar, geothermal, small wind, energy storage, biogas, microgrid controllers, and combined heat and power properties : Credit Amount: 6% of qualified investment (basis); 30% if PWA requirements met: 1,4,5,6,8 : Clean Electricity Investment Tax Credit (§ 48E, 2025 onwards) Technology-neutral tax ...

Eku Energy has partnered with the Australian Capital Territory (ACT) Government to deliver a 250 megawatt (MW) / 500 megawatt-hour (MWh) battery energy storage system (BESS). Located at Williamsdale in the south of Canberra, the battery will store enough renewable energy to power one-third of Canberra for two hours 1 during peak demand periods ...

The solar project will be built in Pomeroy, Garfield County, near Puget Sound Energy's existing wind farm and will provide 142 megawatts of energy. The battery storage project will be located in ...

The clean-energy facility will be built in Mildura Street, Fyshwick, by ActewAGL with the support of renewable energy generator Neoen. During today's announcement of the hydrogen project, the ACT Government revealed it will add 20 new Hyundai hydrogen vehicles, funded by Neoen, to its fleet.

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Extends and modifies the Sec. 48 investment tax credit (ITC) for projects beginning construction before 2025, including expanding the definition of ITC-eligible property to include energy storage, qualified biogas property, and microgrid controllers, and adds new rules for certain solar and wind facilities placed in service in connection with ...

It's the second big Australian BESS project announcement in the past few weeks for Eku Energy covered by Energy-Storage.news: Macquarie's GIG and Shell Energy said in late March that they are working together on a 200MW/400MWh project in the state of Victoria, with GIG's equity stake in the project set to transfer to the developer.

AspiraDAC is an example of a demonstration direct air capture and storage project that will use renewable energy to power modular direct air capture units to capture 1 tCO<sub>2</sub> per day for at least one year (AspiraDAC, 2023). The captured CO<sub>2</sub> will be stored at a nearby CCS storage site in the Cooper Basin.

Like the Tech-Neutral PTC, the Tech-Neutral ITC also includes bonus amounts for facilities located in energy communities or facilities that meet the domestic content bonus requirements (each a separate incremental 10 percentage point increase to the base credit) and for facilities that are allocated a low-income community bonus amount by the ...

Energy Consumer Advocacy o ACT Energised Consumers Project o A dedicated voice for ACT energy consumers in policy and regulatory processes o A partnership of: - ACT Council of Social Service, - Care Financial Counselling Service, - Conservation Council ACT Region, - SEE-Change and - Small Business Taskforce of the Canberra ...

The Australian Capital Territory Government has signed a partnership agreement with Eku Energy to deliver a 250MW/500MWh battery energy storage system (BESS) facility as part of the Big Canberra Battery project.

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