

# Collie battery energy storage system Turks and Caicos Islands

What is the Collie battery project?

the Collie battery project will ensure the security and reliability of WA's energy system. Credit: Synergy. Synergy has begun the installation of the first battery units at its 500MW/2 gigawatt hours (GWh) Collie battery energy storage system (BESS) in Western Australia (WA). The initial 80 units are part of a larger plan for 640.

What is synergy's Collie battery energy system?

Synergy's \$1.6 billion Collie battery energy system will provide 500 megawatts of power with 2000 megawatt hours of storage when connected to the grid in 2025. That means the battery will be able to power 785,000 average homes for four hours - making it one of Australia's biggest battery systems.

What is Collie battery?

Once operational, Collie Battery will be able to provide short duration storage in peak times to ease pressure on the grid. It will have the ability to charge and discharge 20% of the average demand in Western Australia's South-West Interconnected System (SWIS).

What is the Collie battery energy storage system (cbess) project?

In line with the WA State Government's decarbonisation strategy to be delivered by 2030, our Collie Battery Energy Storage System (CBESS) Project forms part of Synergy's decarbonisation strategy. Coal-fired power generation is being replaced with renewable energy generation infrastructure and energy storage solutions.

Who owns Collie battery?

Neoen acknowledges the Wilmen Noongar people, Traditional Owners of the land on which Collie Battery will store energy. We pay our respects to their Elders past and present. Collie Battery is Neoen's first 4-hour long duration battery & its first major project in Western Australia. The project has development approval for 1 GW /4 GWh.

How will the Collie battery impact wa's future?

Comments attributed to Premier Roger Cook: "The energy transition is powering ahead under our Labor Government, setting up WA's economy for the future. "The Collie battery will be one of the biggest in Australia, and means we can deliver clean, affordable and reliable energy for WA for decades to come.

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The first batteries have been installed at state-owned Synergy's 500MW/2,000MWh Collie battery energy storage system (BESS) in Western Australia. In an update made today (8 October), the first 80 units have been installed as part of the wider 4-hour duration BESS, which will include 640 units when fully complete.

Construction has begun on Synergy's Collie battery energy storage system, which will be one of the biggest grid-scale batteries in Australia when complete and will provide significant security to Western Australia's main power system.

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The Collie Battery is a proposed one-gigawatt / four-gigawatt hour Battery Energy Storage System. The project, being developed by Neoen, is to be located near Collie, WA, approximately 150 kilometres south of Perth, and will connect to the Western Electricity Market via the existing Shotts substation.

French independent power producer Neoen confirmed today (29 October) that stage one of the 219MW/877MWh Collie battery energy storage system (BESS) in Western Australia has been completed.

Battery energy storage systems (BESS) can absorb excess energy generated by rooftop solar PV systems when the sun is shining and discharge when demand for electricity peaks usually in the evening. CBESS will be Synergy's third BESS and one of the biggest in the world, providing around 500 Megawatts (MW) or 2000 Megawatt hours (MWh) of power ...

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WA state energy company Synergy has broken ground on a new BESS in the town of Collie. Once completed, the system will have a capacity of 500MW/2,000 megawatt-hours, making it one of the largest grid-scale batteries in Australia. The project is funded by the WA state government as part of its plan to expand battery energy storage across the ...

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The battery energy storage system (BESS) project is in the South-West Interconnected System (SWIS) grid in Western Australia, and its first phase of construction, totalling 219MW/877MWh, is already underway. That portion is set to come online in Q4 this year, while phase two will be completed in Q4 2025.

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