

# Mauritania collie bess project

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.

How much will Collie Bess cost in 2025?

The initial 80 units are part of a larger plan for 640. The A\$1.6bn(\$1.07bn) Collie BESS,WA's largest grid-connected facility,is scheduled to become operational in 2025 and will be able to supply electricity to 785,000 homes for four hours. It will complement Synergy's existing battery systems located in Kwinana.

How much did synergy pay for the Collie Bess?

Synergy has awarded SCEE Electrical a \$160 millioncontract for the main works of the Collie BESS,including civil,electrical and major equipment installation works. The WA Government announced that construction had commenced on the project,which is scheduled for completion by the end of 2025.

How much does a Bess project cost?

Kwinana Battery Stage Two is another one of its BESS projects. The latter is at the moment under construction and is due to be completed in late 2024. Collie BESS on the other hand is set for delivery in 2025 at a cost of roughly \$1 billion.

Could the Collie battery be expanded?

SynergyRED says the Collie Battery could be expandedto 1GW/4GWh down the track if required. Synergy has received planning approval for its 500MW/2GWh Collie Battery project in Western Australia. Read more.

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.

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. Collie Battery is currently being built in stages, two of which are currently under construction:

The project intends to establish up to 1 GW battery energy storage system to provide greater reserve capacity to the South West Interconnected System (SWIS) and will comprise of an orderly array of battery cabinets, inverters and control systems

The project, being developed by Neoen, is to be located near Collie, WA, approximately 150 kilometres south



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of Perth, and will connect to the Western Electricity Market via the existing Shotts substation. The project is expected to be delivered across five stages, including: Stage One: 219-megawatt (MW) / 877-megawatt hours (MWh), and

Located at the site of Collie Power Station, a coal-fired power plant scheduled for decommissioning in 2027, the battery storage project is one of two being funded with AU\$2.3 billion (US\$1.52 billion) from the Western Australia State Budget 2023-2024.

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 ...

Synergy, a WA Government State-Owned Corporation, is developing a 500 megawatt (MW) / 2,000-megawatt hour (MWh) battery at a site in Collie. The project is separate to the 219 MW / 877 MWh Collie Battery, also being delivered in Collie.

In 2023 the company was awarded a contract to supply 650 EnerC Plus containerized liquid-cooling battery systems for the Collie BESS project. In the same year, Synergy also contracted Power Electronics to supply 160 inverters for the project.

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Located at the soon-to-be-decommissioned coal-fired Collie Power Station, the battery is one of two being funded by the Western Australian Government at a cost of \$2.3 billion. The state's Regional Joint Development Assessment Panel (JDAP) recommended at the end of November that the project application be approved, subject to conditions.

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