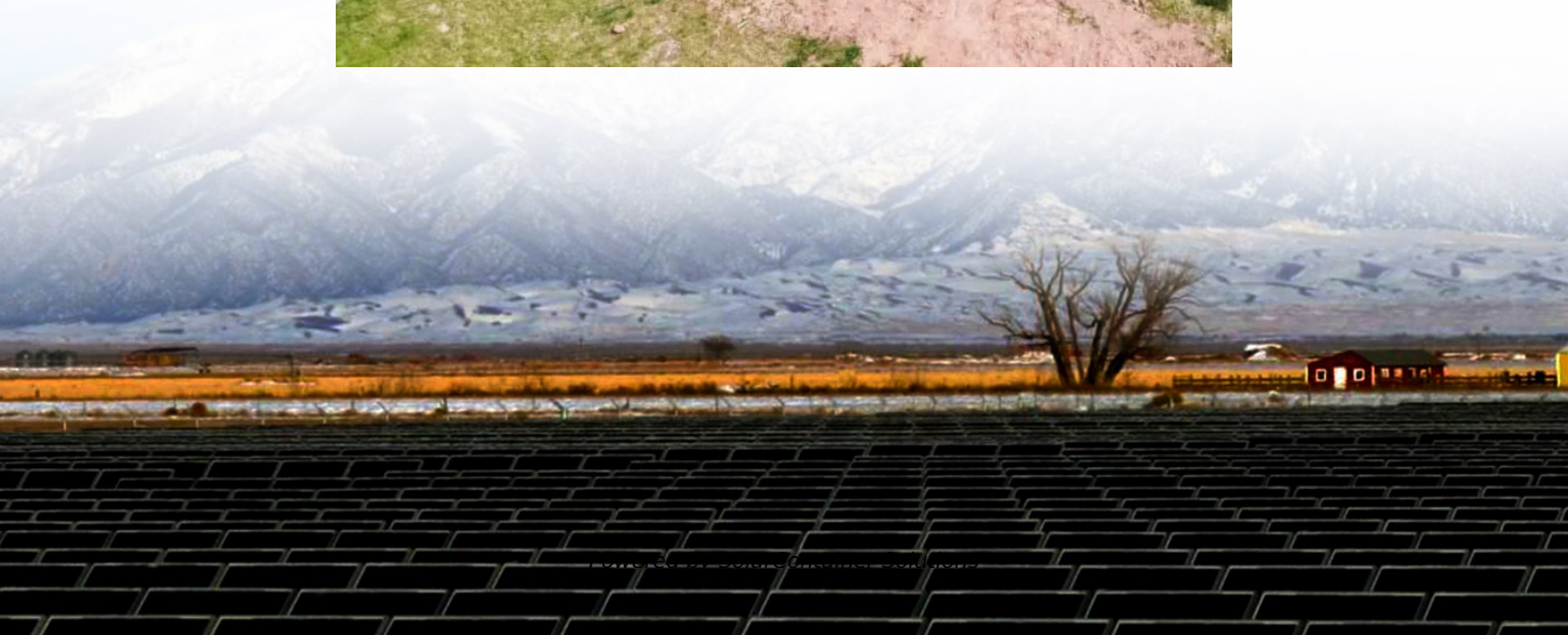


Australian energy storage power station investment





Overview

The Clean Energy Council's Q1 2025 report revealed that six major BESS projects secured funding, totaling AUD 2.4 billion and adding 1,510 MW (1.5 GW) of new storage capacity. This reflects rising confidence from both the public and private sectors. Are Australia's large-scale battery energy storage projects attracting federal support?

The volume of large-scale battery energy storage projects under construction in Australia passed that of solar and wind projects combined in 2023 and the trend has intensified this year, with batteries attracting federal support. As coal-fired power plants are shuttered, developers and suppliers are enjoying a battery bonanza.

Why do we need energy storage systems in Australia?

Clean Energy Council chief policy and impact officer Arron Wood said: "Energy storage systems, such as big batteries, are a critical part of Australia's future energy mix and act as a reliable back-up system allowing us to store renewable energy for when it is needed most and keep the lights on under all conditions.

How much is battery storage worth in Australia?

Credit: Phonlamai Photo / Shutterstock. The first quarter (Q1) of 2025 has seen a surge in investment for large-scale battery storage in Australia, with six projects worth a total of A\$2.4bn (\$1.5bn) reaching the financial commitment stage, according to the latest Clean Energy Australia Report 2025.

What is EnergyAustralia's energy storage project?

The energy storage project will provide EnergyAustralia with a natural hedge against such market fluctuations and help stabilise energy prices and ensure a more resilient energy supply. "At EnergyAustralia, our purpose is to lead and accelerate the clean energy transformation for all," said EnergyAustralia Managing Director, Mark Collette.



Why is battery storage important in Australia?

Battery storage is now key to Australia's clean energy transition. It stabilizes supply by storing extra renewable energy and delivering it on demand, even when solar or wind output drops. This helps prevent blackouts and ensures steady green energy flow. BESS installations are expected to double by 2027.

How many energy projects are there in Australia?

There were also 69 committed storage projects, equivalent to 12.5GW in capacity and 32.1GWh in energy output. Renewables provided 40% of Australia's electricity last year, with fossil fuels still accounting for the majority at 60%, according to the report.



Australian energy storage power station investment



[HISTORIC MOMENT IN AUSTRALIA'S ENERGY ...](#)

Hazelwood is Australia's first retired coal-fired power station to host a utility-scale battery
Melbourne, AUSTRALIA - 14 June 2023 - ENGIE and project partners Eku Energy and ...

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Australian government supports six new battery storage projects

The Australian Capacity Investment Scheme (CIS) is set to bolster energy storage capabilities in Victoria and South Australia with support for six new large-scale battery projects.

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[Australia: 2GWh of energy storage reaches financial ...](#)

The Clean Energy Council (CEC) of Australia has revealed that six large-scale energy storage projects totalling 573MW/2,047MWh reached ...

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[What energy storage technologies will Australia need as ...](#)

Increasing gap between maximum and minimum operational demand in Australia call for urgent



need of balancing storage technologies. Fast response hybrid battery ...

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Large-scale battery storage investment in Australia reached ...

The first quarter (Q1) of 2025 has seen a surge in investment for large-scale battery storage in Australia, with six projects worth a total of A\$2.4bn (\$1.5bn) reaching the ...

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Wärtsilä will provide a 350 MW / 1474 MWh energy storage ...

"The Wooreen Energy Storage System is the largest single project investment made by EnergyAustralia. Wooreen will provide capacity to meet demand peaks while ...

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EnergyAustralia and EDF power solutions Australia partner on ...

EnergyAustralia today announced it had formed a strategic partnership with EDF power solutions Australia, to co-develop and deliver the Lake Lyell Pumped Hydro Energy ...

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[Australia: The State of Battery Energy Storage in the NEM](#)

Since then, investment in grid-scale battery energy storage in Australia's National Electricity Market - or NEM - has continued. 25 projects are now commercially operational in the NEM, ...

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Australia Sets Record in Clean Energy Investment and Battery Storage ...

With policy support and investor confidence, Australia is set to lead the global clean energy transition. Ongoing investment in battery energy storage, new ideas, and strong ...

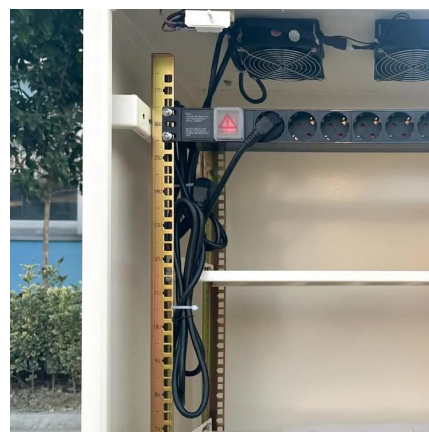
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[Mt Piper Battery Energy Storage System project receives ...](#)

EnergyAustralia's proposed Mt Piper Battery Energy Storage System (BESS) project, near Lithgow in New South Wales (NSW), has received development approval from ...

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Origin stage two battery approval elevates Eraring's storage ...

Origin Energy has approved a \$450 million investment to construct the second-stage 240 MW / 1,030 MWh four-hour duration grid-forming battery at Eraring Power Station in ...

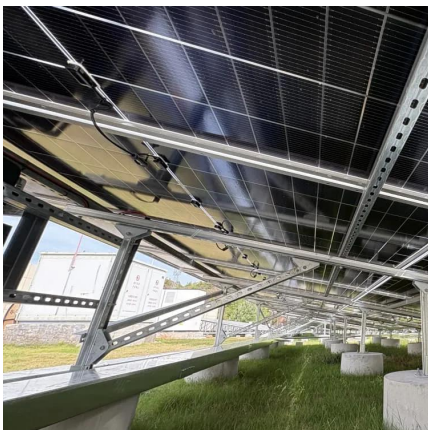
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Clean Energy Australia

The Clean Energy Council is the peak body for the renewable energy and energy storage industry in Australia. We represent and work with hundreds of leading businesses operating in solar, ...

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[Pumped storage hydropower a key focus in Australia's ...](#)

Australia is ramping up efforts to secure a reliable, low-carbon energy system, with pumped storage hydropower taking center stage. At the ...

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Australia: 2GWh of energy storage reaches financial commitment

The Clean Energy Council (CEC) of Australia has revealed that six large-scale energy storage projects totalling 573MW/2,047MWh reached financial commitment in the ...

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AGL snaps up 720MWh long-duration electro-thermal energy storage ...

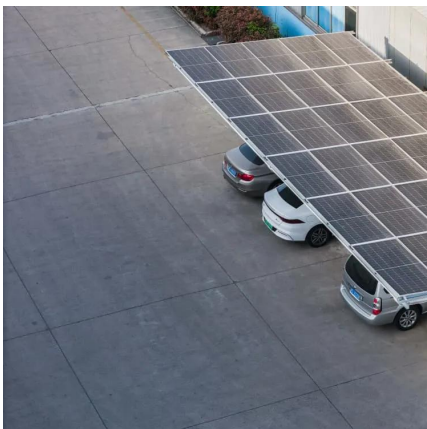
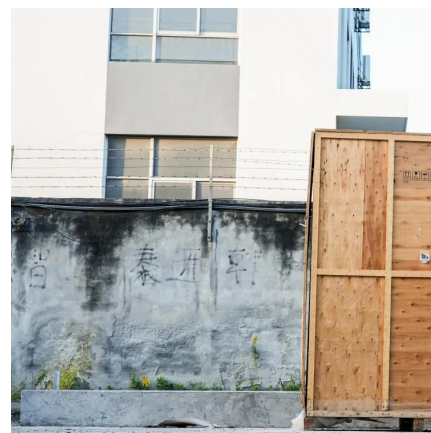
Image: RayGen Australian energy major AGL Energy has acquired the Yadnarie solar thermal project in South Australia from Photon Energy, featuring 720MWh of long ...

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[EnergyAustralia breaks ground on its largest project ...](#)

Construction will now commence on the four-hour, 350 MW Wooreen energy storage system. Once completed in 2027, the system will be ...

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Wärtsilä will provide a 350 MW / 1474 MWh energy storage ...

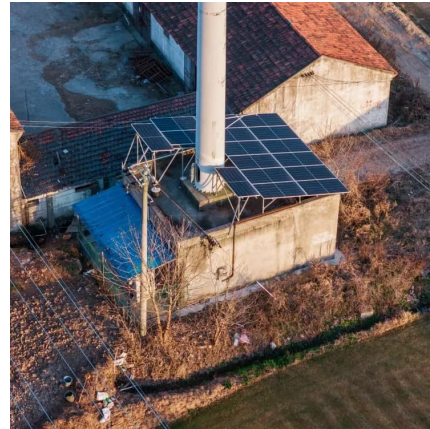
Technology group Wärtsilä has been contracted by EnergyAustralia to deliver 350 MW / 1474 MWh of capacity to the Wooreen Energy Storage System (WESS) in Victoria, ...

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[Australia: Country's biggest battery project enters ...](#)

The report, 'Clean Energy Australia 2023', recapped project activities including construction and investment commitments across wind, ...

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[CHARGING FORWARD: POLICY AND REGULATORY ...](#)

EXECUTIVE SUMMARY Electricity markets are rapidly changing. The increasing prevalence of renewable energy is redefining the Australian energy market. As the National Electricity ...

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Eraring battery to further expand, becoming largest in the ...

Origin Energy (Origin) has approved the third stage of its large-scale battery at Eraring Power Station, adding further storage capacity to the project already underway and ...

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[Australian government supports six new battery ...](#)

The Australian Capacity Investment Scheme (CIS) is set to bolster energy storage capabilities in Victoria and South Australia with support for six ...

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Energy projects

Wooreen Energy Storage System The Wooreen Energy Storage System project will provide an economic boost for the Gippsland region and help transition to renewable energy. It's early ...

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[World's largest next-generation long duration energy ...](#)

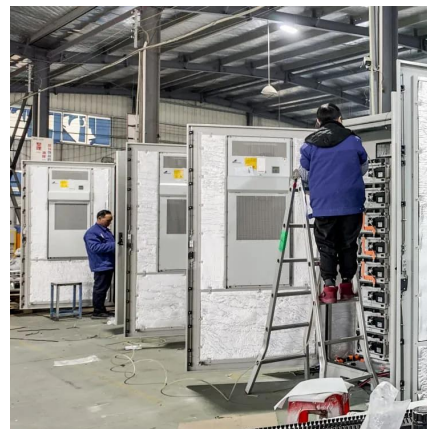
In just four years, RayGen has progressed from 'whiteboard' concept to leader in the LDES category. August 31, 2023 - Australian solar ...

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Australia has 7.8 GW of utility-scale batteries under construction

Business intelligence company Rystad Energy has said that almost 4 GW of utility-scale battery energy storage systems (BESS) entered construction in the first nine months of ...

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Storage across the NEM

Converting decommissioned power stations into large-scale battery storage is proving an efficient way to capitalise on existing electrical infrastructure (e.g. switchyards). The ...

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Big Battery Investment Charges Up in Q1 2025: \$2.4 Billion ...

Australia's energy storage sector is off to a strong start in 2025, with the Clean Energy Council reporting \$2.4 billion in financial commitments to large-scale Battery Energy ...

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[Australia: The State of Battery Energy Storage in the ...](#)

Since then, investment in grid-scale battery energy storage in Australia's National Electricity Market - or NEM - has continued. 25 projects are now commercially ...

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EnergyAustralia breaks ground on its largest project investment ...

Construction will now commence on the four-hour, 350 MW Wooreen energy storage system. Once completed in 2027, the system will be capable of powering 230,000 ...

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