



# Victoria Grid Energy Storage Enterprise

What is Victoria's energy storage initiative?

The Victorian Government's energy storage initiative will be strategically located and will provide backup power and grid-stabilisation functions- vital to maintaining a reliable and affordable energy supply for Victoria - as the grid transitions.

How many energy storage projects are there in Victoria?

557 MW of commissioned energy storage capacity and 12 utility-scale storage projects with a combined capacity of 1,115 MW under construction or undergoing commissioning at 30 June 2024. Figure 4: Emissions from electricity generation in Victoria, 2013/14 to 2023/24

What are Victoria's energy storage goals?

It is worth noting that Victoria has several energy storage targets in place, including having at least 2.6GW of capacity by 2030, with this to be increased to at least 6.3GW by 2035. Eku Energy is an energy storage development platform that was launched through the Macquarie Asset Management-owned Green Investment Group (GIG) in late 2022.

Will Koorangie's battery energy storage project export power to the grid?

The 185 MW /370 MWh Koorangie battery energy storage project in Victoria has reached a major milestone with developer Edify Energy confirming the system has successfully exported power to the grid for the first time. Image: Sosteneo Infrastructure Partners

What is the Victorian big battery (VBB)?

The result is the Victorian Big Battery (VBB) - a world-leading grid-scale battery storage facility located at the Moorabool Terminal Station just outside Geelong, which can store enough energy to power over a million homes for a half-hour period.

Will Koorangie power supply be exported to the grid?

Image: Sosteneo Infrastructure Partners Edify Energy said the 185 MW /370 MWh Koorangie battery energy storage system in northwest Victoria has started exporting to the grid with hold point testing now underway as it works towards full generation.

Located adjacent to the Moorabool to Heywood 500kv transmission line, the power station also sits within Victoria's South-West Renewable Energy Zone (REZ). Western Victoria is already home to several operating renewable energy generators, and further new renewable energy developments are expected within the South-West REZ.

The SEC is working with developer OX2 to build the energy park in two stages. As reported by our sister site PV Tech, the first stage will involve a 119MW solar PV plant comprising more than 212,000 solar



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modules. The project will cost around AU\$370 million (US\$240 million) to fully develop. OX2 was acquired by investment firm EQT last year. It is hoped the SEC ...

The Gambit Energy Storage Park is an 81-unit, 100 MW system that provides the grid with renewable energy storage and greater outage protection during severe weather. ... The Victoria Big Battery--a 212-unit, 350 MW system--is one of the largest renewable energy storage parks in the world, providing backup protection to Victoria. ...

From enabling renewable energy adoption to providing resiliency for existing grid infrastructure, energy storage is a critical piece for keeping the lights on in a rapidly evolving energy landscape. Energy can be "stored" in a wide variety of ways. We keep gas in ...

The Victorian Government's energy storage initiative will be strategically located and will ...

In terms of renewable generation and storage capacity requirements, the modelling found that from 2025 to 2030 an additional 4,000 MW of large-scale capacity is required in Victoria. From 2031 to 2040, an additional 18,300 MW of large-scale capacity (including energy storage and large-scale renewable capacity) is required in Victoria.

Energy storage developer and system integrator Energy Vault has been tapped ...

Australia's biggest battery to futureproof the Victorian grid. The result is the Victorian Big Battery (VBB) - a world-leading grid-scale battery storage facility located at the Moorabool Terminal Station just outside Geelong, which can store enough energy to power over a million homes for a half-hour period.

The strong pipeline of renewable energy and energy storage projects under construction or ...

GRS has reached a new milestone in Australia, where the Longwarry (Victoria) energy storage project, the first of its kind built by the Gransolar company in the country, has been energized and connected to the ...

Designed for grid-scale operations, each battery pack offers a maximum energy storage capacity of 3MWh. The Victorian Big battery storage facility also houses two 180MVA 220/33kV power transformers that were energised in July 2021. Power transmission

A paper produced by Fluence to explain the aims of the Ballarat project shows that volatility of energy prices in the Australian National Electricity Market (NEM) caused an increase of around AU\$20 per MWh in average ...

The 200MW/400MWh Rangebank BESS, developed via a collaboration between energy storage developer Eku Energy and Shell Energy, an integrated energy services subsidiary of the fossil fuel major, is second in ...



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Victoria will reach a massive 2.6 gigawatts (GW) of renewable energy storage ...

Australia's biggest battery to futureproof the Victorian grid. The result is the Victorian Big Battery (VBB) - a world-leading grid-scale battery storage facility located at the Moorabool Terminal Station just outside Geelong, which can ...

The Australian Energy Market Commission (AEMC) is the expert energy policy adviser to Australian governments. ... Electricity generation in Victoria has traditionally been concentrated in the LaTrobe Valley, with large coal-fired power stations and some gas plants supplying the main load centre of Melbourne. ... Two utility-scale storage ...

We're working together to power Victoria's renewable energy future. We're a government-owned renewable energy company. We're working together to power Victoria's renewable energy future. ... The SEC has signed on a battery provider for its large-scale solar farm and renewable energy storage facility in Horsham. About; Investments ...

The takeoff of grid-side energy storage in 2018 injected new vitality into the whole market, not only bringing new points of growth, but also driving a reduction of costs for energy storage technologies and guiding ...

Energy Vault has been selected by the state government of Victoria to build Australia's first 100% publicly owned renewable energy project. The 100MW, two-hour battery energy storage system is a crucial part of the SEC Renewable Energy Park and is estimated to lower energy costs and generate job opportunities in Horsham.

That's more than any other state. Every gigawatt of battery storage built allows three gigawatts of renewable energy to be connected to the grid. This project will help meet Victoria's demand for storage, as well as our target of at least 2.6 ...

The 185 MW / 370 MWh Koorangie battery energy storage project in Victoria ...

Help shape Victoria's new approach to managing how renewable energy projects access Victoria's electricity transmission network. ... VicGrid is also considering how the assessment will ensure new renewable generation ...

Offshore Wind Energy Victoria Implementation Statement 3 DECEMBER 2023 Offshore Wind Energy Implementation Statement 3 Victorian Transmission InvestmentFramework FINAL DESIGN PAPER ... by 2035, and nation-leading storage targets of at least 2.6 gigawatts (GW) by 2030 and 6.3GW by 2035. Victoria has also legislated offshore wind

Draft strategy says batteries of all sizes - and deep storage - are critical to Victoria's future energy infrastructure. And it calls for all replacement appliances to be electric...



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The Andrews Labor Government will introduce the biggest energy storage targets in Australia - driving down power bills, creating thousands of jobs and boosting renewable energy investment across Victoria. Premier Daniel Andrews and Minister for Energy Lily D'Ambrosio today announced the nation-leading targets alongside a \$157 million package supporting ...

We acknowledge and respect Victorian Traditional Owners as the original custodians of Victoria's land and waters, their unique ability to care for Country and deep spiritual connection to it.

Australian solar and now storage developer, Maoneng, said on Wednesday that the \$190 million Mornington battery energy storage system (BESS) had received development approval and was on track for ...

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