



Melbourne Renewable Energy Hub

The SEC has partnered with Equis to deliver one of the world’s biggest batteries in Melbourne’s west.

The Melbourne Renewable Energy Hub (MREH) will accelerate Victoria’s transition to renewable energy.

From late-2025, the Hub will provide 600 megawatts (MW) of capacity and 1.6 gigawatt hours (GWh) of storage. That’s enough to power 200,000 homes during the evening peak period.

The system will soak up surplus rooftop solar and energy from the grid. It will charge when renewable energy is most abundant and discharge when supplies tighten, putting downward pressure on power prices.

Its powerful battery units will strengthen the electricity network as ageing coal-fired power stations retire. As well as safeguarding Victoria’s power supply, this will unlock capacity for more renewable energy and help to achieve Victoria’s target of 95% renewable electricity by 2035.

The SEC’s \$245 million in the project helped fast track construction to begin in late 2023 and doubled the storage duration of one of the project’s three battery components to four hours.

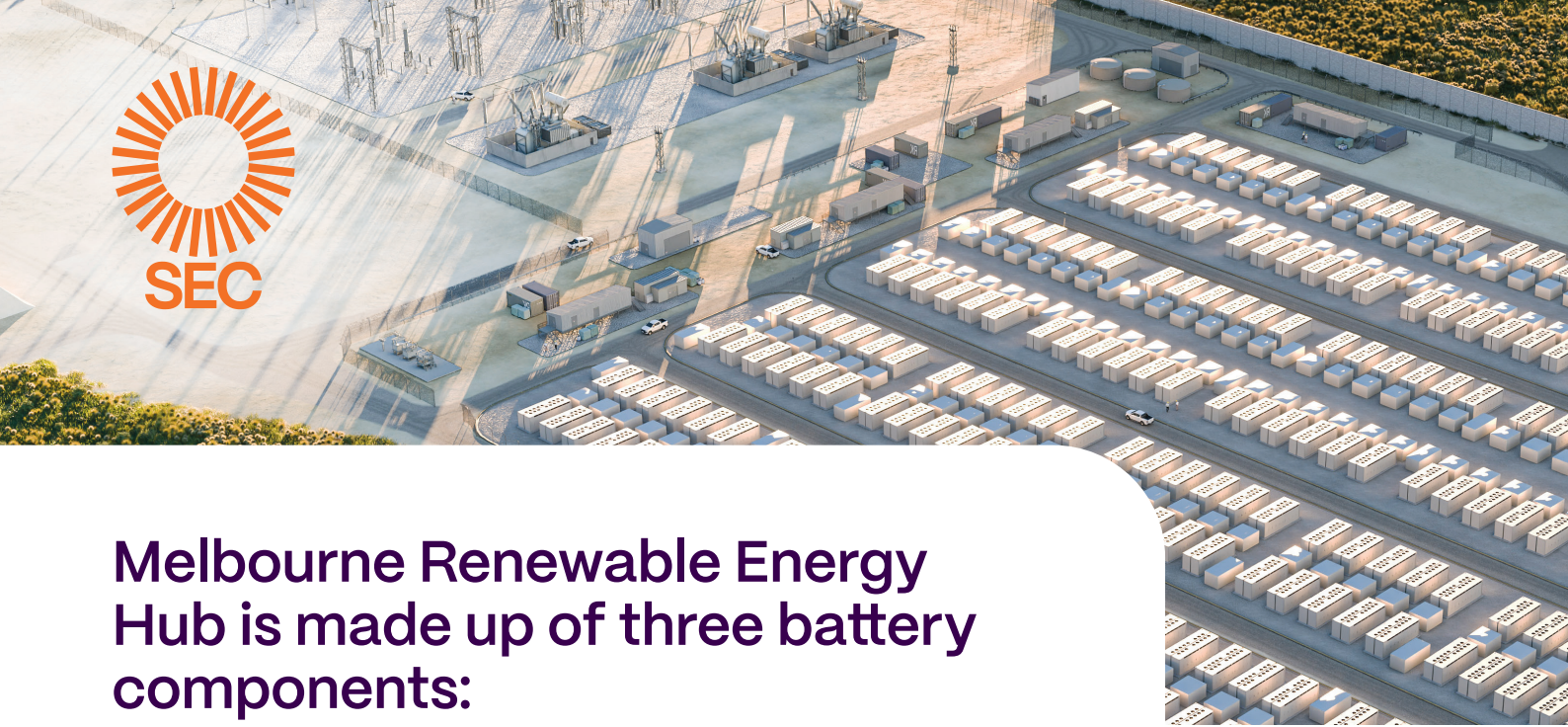
More than 530 workers contributed around 90,000 work hours to prepare the site for battery installation, including moving 15,000 tonnes of rock and pouring 672 concrete footings. The first of the Hub’s 444 Tesla Megapack battery units were installed in September 2024.

Highlights

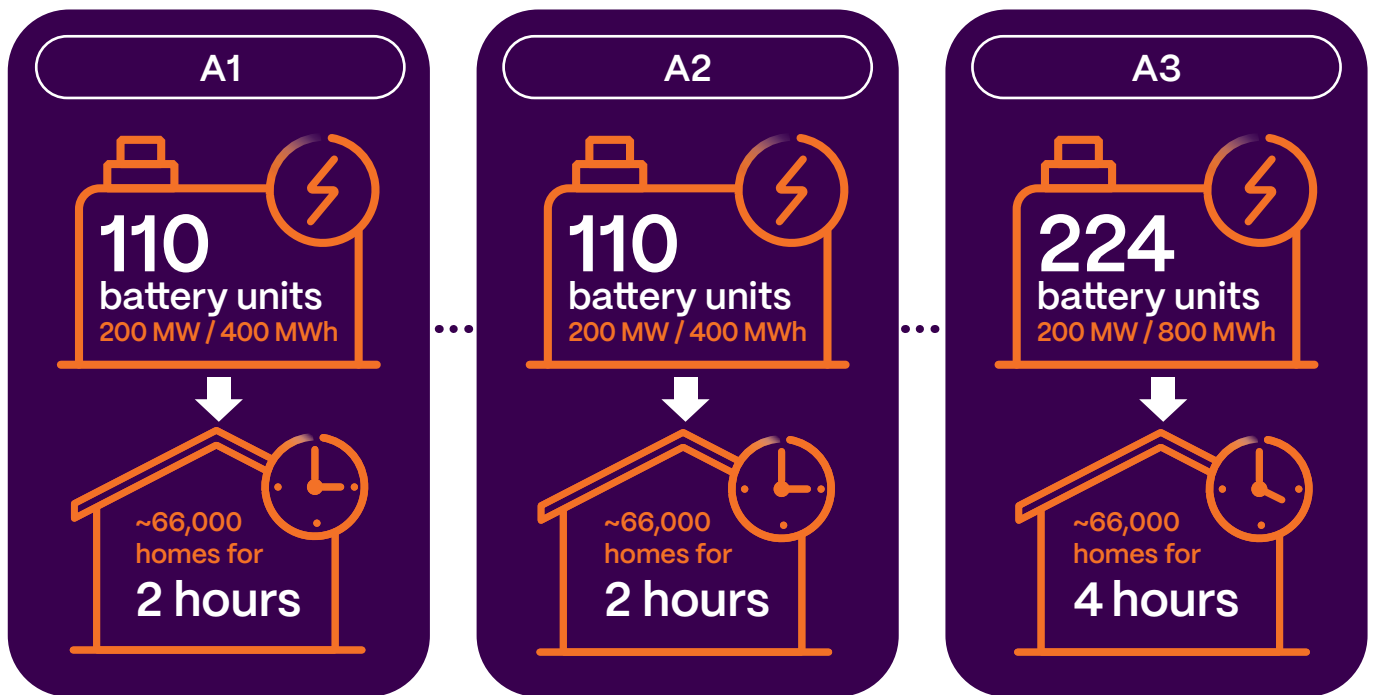
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Location
Plumpton, Victoria
- 
Battery technology
444 Tesla Megapacks
- 
Benefit
Powers 200,000 homes
- 
Storage
Capacity: 600MW.
Duration: 1.6GWh
- 
Project value
\$1.2 billion
- 
Completion
Late-2025
- 
SEC investment
\$245 million
- 
Project partner
Equis Australia
- 
Job creation
155 fulltime equivalent
- 
Three battery components:
A1, A2, A3

SEC Impact

- ✓ Upscaled third battery component (A3) to four hours
- ✓ Fast tracked construction
- ✓ Increased local content
- ✓ Enhanced local employment and training opportunities



Melbourne Renewable Energy Hub is made up of three battery components:



The SEC is Victoria's renewable energy company. Its investments in wind, solar and battery projects are accelerating Victoria's transition to renewable energy.

The SEC is putting power in the hands of Victorians, by:

- Reinvesting revenue in more renewable energy
- Supporting households to reduce bills by switching to all-electric
- Building Victoria's renewable energy workforce.



Equis Development Pte Ltd is Asia-Pacific's leading renewable energy investor, developer and operator with a successful track record of having developed over 240 projects across the region. In Australia, Equis is headquartered in Melbourne and employs over 50 staff located across Melbourne, Sydney and Brisbane. Equis' Australia portfolio includes 17 battery energy storage systems, 11 onshore wind projects and eight other projects across the country, totalling 9.6GW of renewable energy capacity for Australia.