

What is Hydrostor doing in Broken Hill?

Canadian firm Hydrostor has struck a deal to provide back-up power to the remote New South Wales outback town of Broken Hill using a compressed air energy storage plant that will be built in an underground cavern at one of the region's closed mines. An artist's impression of the 200 MW/1,600 MWh Silver City Energy Storage Project. Image: Hydrostor

How long will Hydrostor lease Broken Hill?

Hydrostor will employ an advanced compressed air energy storage system near Broken Hill. An agreement between Hydrostor and Crown Lands, part of the NSW department of planning, housing and infrastructure (DPHI), will see Hydrostor lease the land for a period of 65 years, with construction expected to begin in 2025, following development approval.

Where is Hydrostor putting a compressed air storage facility?

Canadian-headquartered developer and operator of long-duration storage systems Hydrostor is set to install an advanced compressed air energy storage facility at a minesite near the New South Wales outback city of Broken Hill.

Can Canada's Hydrostor provide backup power to a remote Australian town?

Canada's Hydrostor has struck a deal to provide backup power to a remote town in the Australian state of New South Wales by using a compressed air energy storage plant that will be built in an underground cavern at one of the region's closed mines.

What is Hydrostor doing with Perilya's Potosi mine?

Canadian company Hydrostor has signed a binding agreement with base metals and exploration company Perilya for access to Perilya's Potosi mine, on the outskirts of the city. The facility will store compressed air underground and is expected to generate 200 megawatts of power that would be used as a back-up supply for Broken Hill.

Why is Hydrostor more expensive than other projects in Australia?

Hydrostor's other projects in Australia will be more costly because they are larger and will be built on greenfield sites. A 500 MW/eight-hour project on a greenfield site north of Los Angeles, California, is budgeted at more than \$US1 billion (\$1.56 billion) and will take four to five years to complete.

Long duration energy storage (LDES) developer and operator Hydrostor and the New South Wales (NSW) government have signed a Crown Lands agreement to enable the construction of the Silver City Energy Storage Centre designed to provide backup power to Broken Hill.

Hydrostor has developed, deployed, tested, and demonstrated that its patented Advanced Compressed Air

Energy Storage ("A-CAES") technology can provide long-duration energy storage and enable the renewable energy transition.

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The project has been assessed through a comprehensive regulatory process for long-term energy supply at Broken Hill and was identified as the most cost-effective and technically appropriate solution against alternatives that include diesel and battery solutions.

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Silver City is a 200MW long duration energy storage infrastructure project in Broken Hill, NSW, that provides unmatched benefits to consumers in a remote region with extensive renewable infrastructure and resources.

The New South Wales Government has signed a 65-year lease with Hydrostor to enable the construction of an advanced compressed air energy storage site in Broken Hill to support the development of a mini grid and bolster energy security in the region.

"This Silver City Energy Storage Facility is a solution that will make Broken Hill a renewable energy leader. The city will be generating, storing and distributing cleaner and more affordable energy to the Far West region and the rest of the state.

A new agreement has fast-tracked the construction of a project that could inject hundreds of millions of dollars into Broken Hill's economy and create 780 full-time jobs.

The Silver City project is expected to bring significant economic benefits to the Broken Hill region, with Hydrostor estimating it will contribute approximately \$1 billion (USD 660 million)...

Web: <https://gennergyps.co.za>