

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

Will Hydrostor provide back-up power to Broken Hill in 2027?

BROKEN HILL, AUSTRALIA - December 08, 2023 - Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement with Transgrid, which will see the 200MW/1600MWh Silver City Energy Storage Project (Silver City) provide back-up power to Broken Hill as early as 2027.

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.

Will Hydrostor build a 200 megawatt power plant in Broken Hill?

Canadian-based Hydrostor has struck a deal with the operator of the Broken Hill's fabled zinc, lead and silver mine to build its proposed 200 megawatt plant - with eight hours of storage at full power - in a disused cavity near the historic mining town.

What is Hydrostor's proposed energy storage centre?

A concept design of Hydrostor's proposed Broken Hill Energy Storage Centre. (Supplied: Hydrostor) A planned compressed-air energy storage (A-CAES) project for Broken Hill has been identified as the city's best back-up power supply option.

Will Hydrostor be better than diesel generators in Broken Hill?

(Supplied: Hydrostor) The Transgrid report highlighted that Hydrostor's project was expected to deliver \$286 million in net benefits over a 27-year assessment period, just under 6 per cent more than the diesel generators. Ms Jordan said it would have broader impacts in Broken Hill than the generators.

Located 1,140 kilometres northwest of Sydney, the New South Wales (NSW) city of Broken Hill will have its large-scale back-up diesel generator superseded by a mini-grid system supplied by Canadian-headquartered long ...

Broken Hill has moved another step closer to becoming one of the world's largest renewable mini-grids,

following the publication of Transgrid's Project Assessment Conclusions Report (PACR) into securing the area's back-up power supply.. Transgrid executive general manager of network Marie Jordan said the preferred long-term solution put forward by Canadian firm Hydrostor ...

Hydrostor has signed a 65-year Crown Lands lease that brings the Silver City Energy Storage Center one step closer to fruition. The project includes advanced compressed air long-duration energy storage and a minigrid that will improve energy stability in Broken Hill, a remote outback mining community in the Far West region of New South Wales.

Discover how the new energy storage facility in Broken Hill will enhance energy security, create employment opportunities, and position the region as a pivotal player in Australia's energy transition. Find out more about the Silver City Energy Storage Facility.

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Goldman Sachs has shown interest in the A-CAES technology investing USD\$250 million in Hydrostor to be paid out in tranches based on the progress of projects in development in Australia (Broken Hill) and California - the proposed 500MW Willow Rock Energy Storage Center and the Pecho Project.

Broken Hill is currently supplied by one transmission line that runs 260km from Buronga, NSW near the Victorian border. Hydrostor's Silver City Energy Storage Project would support electricity supply for the town and ongoing mining demand when the transmission line is temporarily out of service for activities like repairs and maintenance.

Land deal signed for deep storage to create Broken Hill mini grid, but network rules still stand in the way NSW energy minister Penny Sharpe, Hydrostor's Martin Becker and Jon Norman, and Lands ...

The pair announced the binding agreement to "leverage the existing mining assets at Perilya's Potosi Mine in Broken Hill to support the construction of the Silver City Energy Storage (SCES) Project" last week (28 ...

Hydrostor will repurpose a disused mine for its fuel-free underground air-storage facility, which will be connected to Transgrid's Broken Hill substation via a 16 km transmission line. Climate Change and Energy Minister Chris Bowen said the project would be Australia's largest medium duration storage project, besides pumped hydro, and will ...

BROKEN HILL, AUSTRALIA, Dec. 07, 2023 (GLOBE NEWSWIRE) -- Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement with Transgrid, which will see the 200MW/1600MWh Silver City Energy Storage Project (Silver City) provide back-up power to Broken Hill as early as 2027. A first of its kind energy storage ...

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.

The Silver City Energy Storage Centre is set to be housed near the Potosi mine site on the Northeast outskirts of Broken Hill. The technology, backed by NSW grants relating to the closure of the Liddell coal-fired power plant in 2023, will support Broken Hill's energy grid by incorporating the increased generation of reliable, renewable energy and provide a reliable backup power ...

The historic mining town of Broken Hill in NSW is set to become home to an innovative energy storage solution. The Silver City Energy Storage Project will provide back-up power supply to the remote community of ...

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.

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.

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