

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 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.

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.

Can Hydrostor be flexibly sited?

Hydrostor's technology is less affected by these limitations and can be flexibly sited due to a variety of air storage cavern methods, including a greenfield basis utilizing purpose built hard-rock caverns, salt caverns, in addition to repurposing existing assets such as mines as in the case in Broken Hill at "Silver City".

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 ...

Hundreds of jobs on horizon after green light from Transgrid for Hydrostor's compressed-air energy storage in Broken Hill. By Oliver Brown. By Andrew Schmidt. ABC Broken Hill. Topic: Alternative ...

Hydrostor has reached an agreement with New South Wales (NSW) transmission network operator Transgrid that will see the proposed 200 MW/1,600 MWh Silver City Energy Storage Project support the reliability of ...

Being deployed at Silver City. BROKEN HILL, AUSTRALIA, Dec. 07, 2023 (GLOBE NEWSWIRE) -- Hydrostor, a global long duration energy storage (LDES) developer and operator, has reached an Agreement ...

This week, Hydrostor's senior vice president in origination and development Martin Becker visited Broken Hill to meet with key stakeholders. In a statement provided to the ABC, Mr Becker said a ...

The Broken Hill big battery has finally been charged up, helping to bring stability to the local electricity supply and create a more resilient local micro-grid - but the question remains about ...

At the time of its proposal, the Silver City project at Broken Hill was the biggest compressed air storage proposal in the world, but that has been superseded by another Hydrostor project in ...

Hydrostor is pleased to formally announce our 200MW Broken Hill A-CAES Project located in New South Wales (NSW), Australia, which will contribute more than AUS\$500 million to the economy and ...

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 ...

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.

SCESC will provide crucial long duration energy storage capacity and stability to the Broken Hill region, with a total capacity of 200 MW and 1,600 MWh (8 hours of storage duration at full ...

Hydrostor announced this week that it has secured \$250 million from Goldman Sachs to progress development and construction of its worldwide A-CAES projects, including the one in Broken Hill.

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 is located in the far west of New South Wales and is part of Transgrid's south western

transmission network. It is currently supplied by a single 220 kV transmission line, "Line X2", from Buronga which spans approximately 260 km. ... followed by network support provided by the Hydrostor compressed air storage solution (Option 1A(4 ...

The flexible site selection allows Hydrostor's A-CAES technology to target specific problems and capture new value streams, including fringe-of-grid applications such as at Broken Hill, Renewable Energy Zones (REZs), and off-grid applications.

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