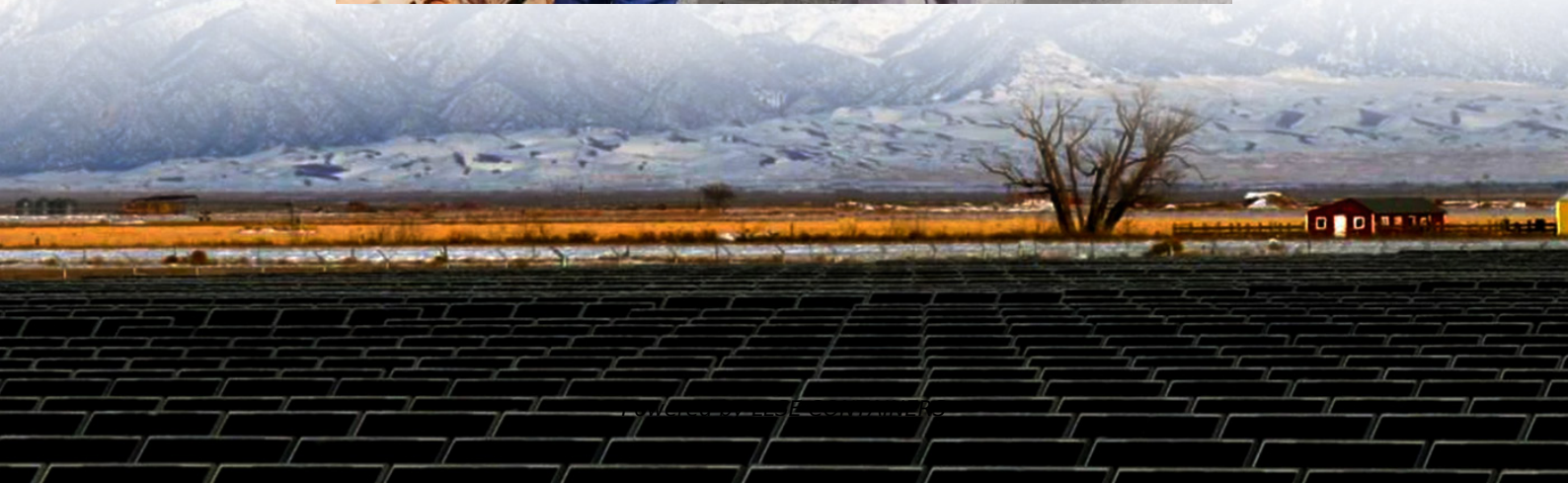


# Swiss Zurich Northwestern Power Construction Energy Storage Project





## Overview

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Which energy storage projects have been commissioned in Switzerland?

Axpo commissioned its BESS in February this year while utility Thurplus commissioned a 3MW system in September last year. But Switzerland was the location for one of the largest energy storage projects commissioned in recent years, a 20GWh pumped hydro energy storage (PHES) unit which started operations in June 2022 in the Canton of Valais.

Where did pumped storage hydroelectric power come from?

PSPP Shi Shan Ling, China The technology was first applied in Zurich, Switzerland, in the early 1890s, when a local river was hydraulically connected with a nearby lake via a small pumped storage plant. Pumped storage hydroelectric projects have been commercially providing energy storage capacity and grid stabilizing benefits since the 1920s.

How much energy did Swiss nuclear power plants import in 2016/17?

In the winter 2016/17, when the generation of the Swiss nuclear power plants was pronouncedly below average, the net import of 10 TWh represented even 39% of the domestic net generation in the winter half year (SFOE, 2019b).

What role does hydropower play in the Swiss electricity system?

Thanks to its flexibility and storage options at multiple scales, from milliseconds to seasons, hydropower is the backbone of the Swiss electricity system. Keeping its central role would foster the integration of volatile renewable energy resources like photovoltaics and wind.



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