

Title: Swiss Energy Storage Construction

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How does electricity storage work in Switzerland?

Electricity storage is not separately defined in the Swiss legislative framework. The biggest obstacle for electricity companies is to obtain a construction permit and a concession for the operation of a pumped storage plant, which is granted for a maximum of 80 years.

Does Switzerland support pumped storage operators?

Despite the government's objectives defined in the Energy Strategy 2050, there is currently no direct support via subsidy for pumped storage operators in Switzerland.

How does a cost-covering fee affect electricity production in Switzerland?

Further, the introduction of a cost-covering fee for feed-in to the electricity grid, in order to subsidise new renewable energy sources in Switzerland, disadvantaged traditional hydro electricity producers. As a result, high prices during peak load times dropped, which substantially lowered the revenue stream of pumped storage plants.

How many pumped hydro storage plants are there in Switzerland?

In the past, a total of 14, mostly small sized pumped hydro storage plants, were built, the last of which was commissioned in 1990. However, the combined capacity of these plants only amounts to 1380 MW contributing to approximately 4.4% of the total electricity produced in Switzerland.

Energy storage is rapidly become more and more relevant due to the increasing renewable energy fraction in the grid, the rise of photovoltaics and the increase in electric cars.

How can excess electricity produced by the sun and wind be prevented from being lost? A gravity battery developed in Switzerland stores renewable energy in heavy blocks of material.

Flexbase Group has begun construction on what could become one of Europe's largest flow battery storage installations, breaking ground on an 800 MW/1.6 GWh redox flow system in ...

Conclusions will be drawn with regards to the feasibility and value proposition of a deployment of energy storage technologies at scale, of their potential role in the future of the Swiss energy system as well ...

Are you looking for information on energy storage regulation in Switzerland? This CMS Expert Guide provides you with everything you need to know.

The \$4.1 million energy storage project is being developed in a tunnel north of Biasca, Switzerland. In the dark tunnel, in which the researchers have not made any changes, two high tech ...

Storage systems also play a key role in decarbonising Switzerland's energy supply. The ewz white paper "Energy storage systems for properties" provides investors and property owners with a ...

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