

# **Czech Valley Power Storage Equipment Transformation**





## Overview

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Is the Czech Republic ready for pumped-storage hydroelectric power plants?

Bulk energy storage is currently dominated by hydroelectric dams, both conventional as well as pumped. There are six localities considered for new pumped-storage hydroelectric power plants in the Czech Republic but public acceptance presents a challenge. Front-of-meter installations in the Czech Republic are mired in regulations.

What is the future energy mix in Czechoslovakia?

As described in the State Energy Policy, the future Czech energy mix will be primarily based on nuclear power with a goal of reaching 50% of the energy supply with nuclear. Bulk energy storage is currently dominated by hydroelectric dams, both conventional as well as pumped.

What will the Czech electricity storage scheme do in 2025?

In an announcement released on March 7, 2025, the executive arm of the European Union said that the Czech scheme will support the installation of at least 1.5 GWh of new electricity storage facilities. The measure will be open to all storage technologies directly connected to the transmission network or distribution network.

What is the Czech energy mix?

While the goal of EU funds is to support a sustainable low-carbon-emission economy and ensure energy security by utilizing alternative energies, the Czech approach is different. As described in the State Energy Policy, the future Czech energy mix will be primarily based on nuclear power with a goal of reaching 50% of the energy supply with nuclear.



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The storage system will support the transformation of the Czech power sector by providing power balance services and contributing to the stabilisation of the power grid.

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