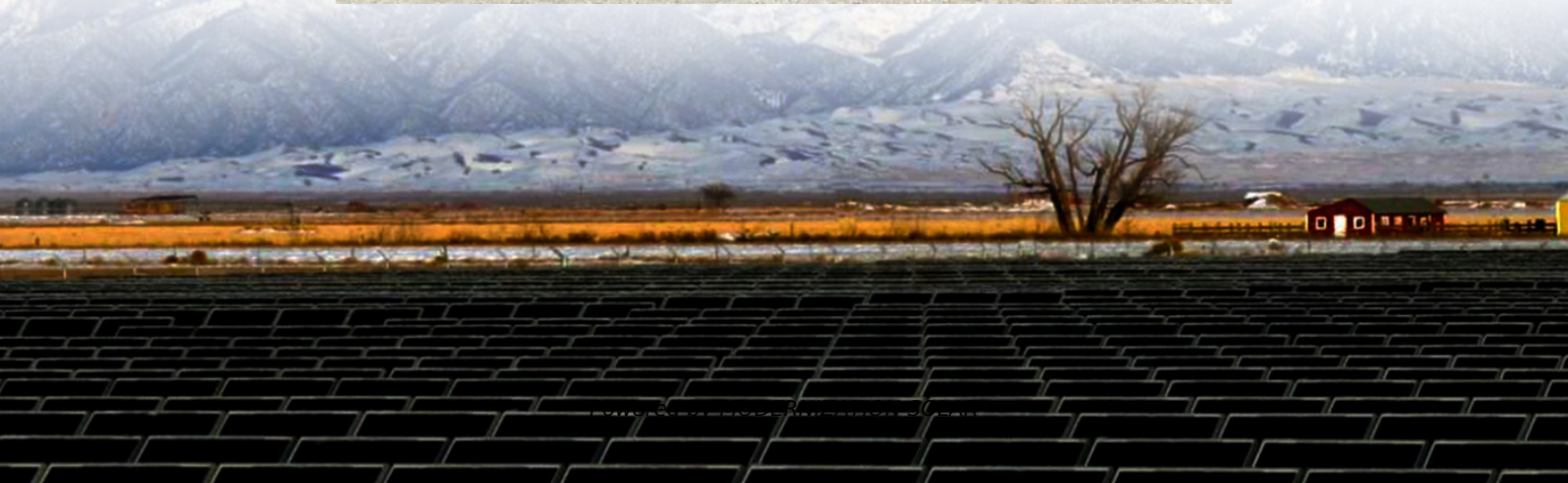


# **Does energy storage need to be connected to the regulation system**





## Overview

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Does energy storage need a regulatory framework?

Our review demonstrates that no jurisdiction currently provides a comprehensive regulatory framework for energy storage, with the majority of jurisdictions currently allowing storage to be defined as “generation” for the purposes of licensing and other regulatory requirements.

Do energy storage systems ensure a safe and stable energy supply?

As a consequence, to guarantee a safe and stable energy supply, faster and larger energy availability in the system is needed. This survey paper aims at providing an overview of the role of energy storage systems (ESS) to ensure the energy supply in future energy grids. On the opposite of existing reviews on the field that \* Corresponding author.

Why do we need energy storage systems?

and the electrification of transportation and heating systems. As a consequence, the electrical grid sees much higher power variability than in the past, challenging its frequency and voltage regulation. Energy storage systems will be fundamental for ensuring the energy supply and the voltage power quality to customers.

What is energy storage & how does it work?

These systems enable consumers to draw energy from the grid, and store it for later on-site use or to enable better use of any onsite generation, such as rooftop solar. Energy storage is not new – the scale of pumped hydro deployment across the globe is significant.



## Does energy storage need to be connected to the regulation system

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framework ...



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## **Energy storage regulation**

Why Energy Storage?Project  
TypesTechnologiesRegulatory  
ConsiderationsOther Legal ConsiderationsThe  
FutureHow We Can HelpOur review  
demonstrates that no jurisdiction currently  
provides a comprehensive regulatory framework  
for energy storage, with the majority of  
jurisdictions currently allowing storage to be  
defined as "generation" for the purposes of  
licensing and other regulatory requirements.  
However, many countries are increasingly aware  
of the need to address en See more on  
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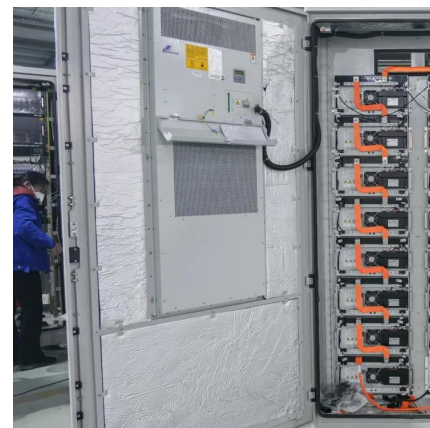


## [The Role of Energy Storage Systems for a Secure Energy ...](#)

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