

# Armenia energy storage battery foreign trade order



## Overview

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Building on the results of an earlier report that analyzed the economic and financial viability of battery storage solutions in Armenia, this report focuses on assessing the country's legal and regulatory framework to identify challenges to the deployment of energy . Building on the results of an earlier report that analyzed the economic and financial viability of battery storage solutions in Armenia, this report focuses on assessing the country's legal and regulatory framework to identify challenges to the deployment of energy . As Armenia works towards the Government's ambitious renewable energy targets and the share of variable renewable generation increases, the country might need to install battery storage systems to ensure the reliable and smooth operation of its power system While the need for battery storage is . A 25-35 MW-4h BESS offers a cost-effective solution to enhance system resilience Armenia imports 81% of its primary energy supply and 100% of its fossil and nuclear fuels. These imports stem mainly from Russia and to a lesser extent also from Iran Expansion in cross-border transmission capacity is . The Government of Armenia is looking to launch an energy storage program leading to the development of the first pilot storage projects in the country. Trade of goods by groups of goods- monthly 21. Export average (Average value) price . The United States imposes export controls to protect national security interests and promote foreign policy objectives related to dual-use items and less-sensitive military items through the Export Administration Regulations (EAR) (15 CFR Parts 730 - 774). NPV and IRR were used to assess the economic depends on Armenian interconnections with neighbours. Battery storages play a more important role in less flexible nvironment and in a more constrained system operation.

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### Accelerating Market Integration of Renewables

Armenia lacks explicit legal definitions and frameworks for these entities. Without legal standing, small-scale distributed flexibility cannot be aggregated or participate commercially in the new markets.

### ARMENIA RENEWABLE RESOURCES AND ENERGY

Expected Outcome: The Government of Armenia will have access to technical and economic information to decide whether and how to move ahead with an energy storage Projects.



### Armenia

BIS officials rely on EUCs to safeguard items subject to the EAR from diversion to unauthorized end uses/users and destinations. The verification of a foreign party's reliability

### EU trade relations with Armenia

Current EU-Armenia bilateral trade relations are regulated by a Comprehensive and Enhanced Partnership Agreement (CEPA). This agreement has been provisionally applied since



### Armenia Energy Storage Legal and Regulatory Review Report



## ARMENIA ENERGY STORAGE PROGRAM

In the case where battery storage is investor-owned, a 30MW/120MWh battery would also be financially viable for all analyzed scenarios and cases. This battery variant could be considered also for the



### [Foreign trade / Statistical Committee of the Republic of Armenia](#)

Trade of goods by groups of goods- monthly. 21.3. Import of energy resources - monthly. 21.4. Foreign investments- quarterly. 21.5. Import average price indexes (Average value) - monthly. 21.6. Export



This study stems from the acknowledgment that to enable pilot investments in battery energy storage, Armenia must develop in a timely manner a sound legal and regulatory framework that establishes



## Overview - Armenia energy profile - Analysis

Armenia is a net exporter of electricity, although most of it is exchanged for natural gas from Iran. Armenia relies on imports of natural gas and oil for most of its energy needs, which exposes it to



## NEW MARKET ARMENIA ENERGY STORAGE PROJECT

Currently, Armenia is in the initial stages of developing a pilot project on battery storage, with plans for a utility-scale project with an estimated installed storage capacity of 1,200

MWh to be a?,

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