# Armenia undertakes energy storage project

Is Armenia developing a battery 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 tendered in the coming years.

What is the energy security ensuring concept of Armenia?
On 23 October 2013,the President adopted the Energy Security Ensuring Concept of the Republic of Armenia,according to which Armenia would continue use of the existing nuclear unit until commissioning of a new one. On 31 July 2014,the Government Decree No. 836-N,Measures of the Concept of the Energy Security Schedule for 2014-2020,was adopted.

What are the options for development of the energy sector in Armenia?
During the study,two options for the development of the energy sector of Armenia were considered: The use of both TPPs and NPPs. It was decided that the second option for development of the energy sector was preferable,taking into account the criteria of energy safety and energy independence,as well as environmental and social considerations.

What is Armenia's energy-saving potential?
As Armenia's largest energy-consuming sector,buildings account for nearly 40% of the country's total electricity demand and more than 25% of its gas demand. Estimated energy-saving potential ranges from 40% to 60%across residential,public and commercial buildings,depending on interventions.

Can Armenia reduce its reliance on energy imports?
Additionally,a second gas pipeline from Iran provides another import route,primarily utilized through a barter agreement where Armenia exchanges electricity for natural gas,only partially using the imported volumes for domestic consumption. Presently,Armenia is actively seeking ways to diminish its reliance on energy imports.

Does Armenia have a gird stability?
Although Armenia's energy program for 2022-2030 includes plans to evaluate wind energy potential, tangible projects not yet on the pipeline, and the installed wind capacity remains negligible at 8.2 MW. As solar capacity continues to rapidly expand in the country, concerns regarding gird stability have commenced to rise.

Armenia"s push toward renewable energy has accelerated in recent years, with solar power playing a pivotal role. However, the intermittent nature of solar energy demands robust storage ...

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ABSTRACT As the share of variable renewable energy generation increases, Armenia might need to install battery storage systems to ensure the reliable and smooth operation of its power ...

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