

## A-Core Container

# Is Russia's energy storage project green



## Overview

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By optimizing storage capacity, Russia effectively reduces greenhouse gas emissions associated with traditional fossil fuel usage. Will Russia's renewables growth rate affect gas consumption?

The renewables growth rate in Russia's energy balance will be at its lowest and will not affect gas consumption. The existing Russian national programs on promoting renewable energy until 2024 may be reconsidered.

What energy sources does Russia use?

Email: [mario.pagliaro@cnr.it](mailto:mario.pagliaro@cnr.it) Partly explaining the low uptake of energy production from renewable energy sources, Russia accesses huge oil, natural gas, coal, and uranium resources and hosts advanced nuclear energy, oil, and natural gas industries.

How much renewable power will Russia have by 2035?

Renewable power (excluding large hydro) is just 6% by 2035. In January 2023, a Russian Ministry of Energy official announced plans to attain a 12.5% share of renewable power in the electricity sector by 2050 (again, excluding large hydro).<sup>57</sup> These levels are insignificant when compared to Russia's technical potential.

Will renewable power grow in Russia in 2021?

Renewable Scenarios for Medium- and Long-Term Development The International Energy Agency (IEA) estimates slow growth in the share of renewable power in Russia's electricity generation, from about 20% in 2021 to 30% in 2050. Hydro, solar, and wind power will drive this growth. FIGURE 2.

Is Russia ready for a Green U-turn?

With renewables now accounting for just 1.1% of electricity in Russia, the chances for a major green U-turn in the near future appear slim. "I have a feeling that no official in Russia has yet fully understood what energy

transition is.

What would happen if Russia restructured its energy industry?

Following this development path could lead to a further downturn of the national economy. It would significantly limit the scope for the Russian energy industry's development until 2030, making its modernization or securing new niches on the global market impossible.

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