

Does Kazakhstan need more energy?

As Kazakhstan expands renewables, more investment will be needed in flexible capacity such as gas-fired and hydro power plants to accommodate the variability of solar and wind output, the report says. Kazakhstan's system currently relies significantly on electricity imports from Russia to cover imbalances and maintain frequency stability.

Will Kazakhstan build its first nuclear power plant?

The government is considering constructing its first commercial nuclear power plant, building on its role as one of the world's largest sources of uranium. The IEA review commends Kazakhstan for the successful auctions it has conducted to help lower tariffs for new renewable and gas-fired electricity capacity.

Are energy prices a social concern in Kazakhstan?

The report recognises that energy prices are a significant social concern in Kazakhstan. A rise in prices for liquefied gas used in vehicles contributed to the unrest that gripped the country in January 2022. However, low prices have made it difficult to diversify the types of energy used for the domestic market and to promote energy efficiency.

How much electricity does Kazakhstan produce?

Kazakhstan generates more than 70% of its electricity from its abundant resources of coal but aims for other sources to supply half its power by 2050.

Should Kazakhstan adopt an energy security strategy?

Global trend of tightening carbon regulation presents yet another impetus for broader modernization and systemic reforms of energy sector in Kazakhstan. Kazakhstan should articulate and adopt an official Energy Security Strategy document, guided by these general observations.

Is Kazakhstan at a crossroads in its energy sector?

Kazakhstan, a vast and resource-rich nation in Central Asia, is at a crossroads in its energy sector. With a growing emphasis on sustainability and a need to align with global decarbonization efforts, the country is embarking on a transformative initiative that aims to ensure the security and reliability of its energy supply.

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2023; The roundtable was organized by the Qazaq Green association with the support of the Kazakh Ministry of Energy and Huawei Technologies Kazakhstan. "In the first 10 months of the current year, energy generation from renewable energy sources in Kazakhstan amounted to 5.6 billion kilowatts per hour, which is

10% more compared to 2023.

Kazakhstan has successfully attracted major international investors to its oil and gas sector and is currently the largest oil producer in Central Asia. Around 80% of Kazakhstan's oil is exported, with almost all of it passing through Russia via pipeline.

The Global Energy Transition. Nala Renewables was founded in 2020 and to date we have grown our operational, in-construction and development portfolio of renewable energy projects to around 3GW of cumulative capacity. Our vision ...

Until now, renewable energy development in Kazakhstan has taken place largely as an add-on to the existing fossil-based energy system. Moving forward, there are many difficult political choices to be made.

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The Nala team has extensive expertise across the entire renewable energy value chain, from development and construction to operations. Together with our global partners, we are committed to reducing carbon emissions and meeting the increasing demand for clean power.

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This energy subsidy reform initiative represents a pivotal milestone for Kazakhstan in working towards a more secure, sustainable, and reliable energy supply. As the country takes bold steps toward a cleaner and greener energy future, these proposed reforms will also help incentivize private sector participation in developing renewable energy.

The plant, set to begin operations by late 2025, will produce essential components such as nacelles, hubs, and towers for wind power plants. The project is a key initiative in Kazakhstan's strategy to boost renewable energy production and reduce reliance on traditional energy sources.

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