

# Astana renewable electricity



## Overview

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ASTANA - Kazakhstan continues to strengthen its transition to sustainable energy, with the share of clean electricity generation rising to 7% in 2025, up from 6.43% in 2024, reflecting steady progress in renewable energy development. During the year, nine new renewable energy facilities with a . Additionally, it aims to provide potential investors with insights into financing renewable energy (RE) projects, including the issuance of green bonds on the Astana International Financial Centre (AIFC) platform, supported by the AIFC Green Finance Centre (GFC). Why is this also an economic issue?

. 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 . Kazakhstan is positioning itself as a regional hub for green energy, with hydrogen emerging as a central focus. This direction was highlighted at the Second Central Asian and European Forum on Decarbonization Diplomacy, where hydrogen featured prominently on the agenda. In 2022, The World Bank estimated a 1.0% GDP increase in Kazakhstan, but the final figure reached .

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### [Just energy transition: Kazakhstan sets the investment direction for](#)

QAZAQ GREEN. In two weeks, Astana will host the Regional Ecological Summit, with a key session organized by the Ministry of Energy titled "Just Energy Transition: Policy, Investment

### **TotalEnergies in Kazakhstan , TotalEnergies**

We operate two solar power plants in Kazakhstan, in the Zhambyl and Kyzylorda regions, with a total capacity of 128 MW. We are also developing the Mirny project, an onshore wind farm with



### **Green Energy Information Portal**

Kazakhstan is modernising its energy sector. Why is this also an economic issue?

### **Renewable energy in Kazakhstan**

Having more renewable energy in the energy balance of Kazakhstan is one of the most effective mechanisms to reduce harmful effects of the energy sector and to diversify the national power



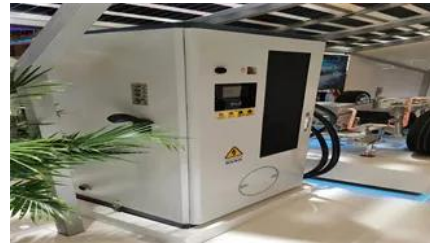
### [Renewables in Kazakhstan: Current State, Potential and Financing](#)

The Government of Kazakhstan actively supports RE projects by implementing a single electricity

purchase system for renewables, offering tax and customs incentives, and providing state

### **Kazakhstan Expands Renewable Energy Capacity as Clean**

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### [Far East: Kazakhstan's Geopolitically Contested Energy Transition](#)

By 2030, the government aims to increase the total share of RE generation to 11%. Within the next 26 years, the government wants to reach its alternative energy balance to 50%. The

### **Empowering the Future of Kazakhstan's Energy Sector**

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.



### **Renewable Energy Lab**

Through the development of strategic solutions, the lab aims to advance these technologies and expand their real-world applications. Its vision is to drive scientific progress in renewable energy and

### **Astana Forum Signals Growing Momentum for Green Projects**

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for green energy, with hydrogen emerging as a central focus. This direction was highlighted at the Second Central Asian and



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