

Does Bulgaria have a good energy sector?

Bulgaria's energy sector is at a critical juncture, with two main objectives shaping its direction: decarbonization and reducing reliance on Russian energy. Over the past year, Bulgaria has made considerable progress in expanding its renewable energy capacity, particularly in solar power.

What is the main source of electricity in Bulgaria in 2022?

Coal energy was the main source of electricity production in Bulgaria in 2022. It accounted for over 45 percent of total electricity generation. Nuclear energy ranked second, making up 35 percent of total production.

Is Bulgaria a energy-intensive country?

Bulgaria remains the most energy-intensive economy in the EU by a wide margin. The structure of Bulgaria's final energy consumption is like that of the EU. Bulgaria's economy consumes 3.5 times more energy resources per unit of its GDP than the EU average. That may not sound alarming, but Bulgaria is highly dependent on coal and nuclear power.

What is the main energy source in Bulgaria?

The main local energy source in Bulgaria is lignite coal. Another local energy source is nuclear energy, which significantly contributes to energy independence. In 2022, the share of nuclear energy production is 32.6% of total electricity production in Bulgaria. The share is expected to remain above 40% until 2030.

Why is the energy sector a key driver of the Bulgarian economy?

A key driver of the Bulgarian economy, the energy sector is strongly affected by geopolitical, economic, and regulatory pressures. The Bulgarian electricity market is in transition, but nuclear power is expected to retain its large share of generation capacities.

What is Bulgaria's energy strategy?

Despite being a net electricity exporter, with major buyers like Romania, Greece, and North Macedonia, Bulgaria's energy strategy remains fossil-fuel dependent. The 2019 National Energy and Climate Plan indicated a long-term reliance on coal and nuclear, with no immediate phase-out in sight. 4. Future prospects

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In the context of Bulgaria's energy landscape, energy storage solutions present a diverse array of benefits to various stakeholders stemming from its unique ability to time-shift energy and ...

This report aims to raise awareness of the state-of-the-art energy storage technologies that exist today and fill

an important gap in the debate for the climate neutral transformation of the ...

OverviewEnergy sourcesHeatingEnergy transitEnergy TransitionSee alsoCitationsEnergy in Bulgaria is among the most important sectors of the national economy and encompasses energy and electricity production, consumption and transportation in Bulgaria. The national energy policy is implemented by the National Assembly and the Government of Bulgaria, conducted by the Ministry of Energy and regulated by the Energy and Water Regulatory Commission. The ...

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Research in the field of hydrogen energy systems - the development and improvement of technologies for electrochemical production, storage and transformation into "green" hydrogen, development of fuel and reversible cells; ...

PP-DB renewed its coalition agreement at the beginning of September. The liberal alliance brings together the party led by Kiril Petkov with Democratic Bulgaria, which includes Hristo Ivano's Yes, Bulgaria! and the ...

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