

How can Tajikistan improve its energy system resilience?

Tajikistan seeks to enhance its energy system resilience by reconnecting to the United Energy System of Central Asia. This effort is supported by large infrastructure projects of common interests, such as CASA-1000 and the Rogun Hydropower Plant Project.

Can Tajikistan's solar power be harnessed to meet energy-policy goals?

In addition to hydropower, Tajikistan's significant solar power potential could be harnessed to meet several energy-policy goals simultaneously, and the government has recently set a target for renewable energy to provide 10% of generating capacity by 2030.

Why should Tajikistan invest in hydropower?

In addition to its vast hydropower export potential, Tajikistan's hydrogen production potential and reserves of critical raw materials, such as manganese, lead, aluminum and zinc, should be leveraged to enable Tajikistan's energy transition and to generate novel export revenue streams.

Does Tajikistan have a mining industry?

Despite its vast mineral resources, many are not mined or are mined primitively. However, as future demand for critical raw materials increases amidst developments in the global energy transition, Tajikistan's mining industry holds much untapped potential. Coal currently significantly contributes to Tajikistan's energy mix.

Will hydropower slow down Tajikistan's demand for coal?

Nevertheless, recent hydropower developments, notably the Rogun HPP project, would slow down Tajikistan's demand for coal. Thus, to ensure a just transition in energy and safeguard the livelihoods of those involved in Tajikistan's coal industry, alternative livelihood avenues must be established.

Will Tajikistan scale up its electricity capacity by 2030?

The Tajikistan Development Strategy by 2030 aims to scale up its electricity capacity from 5.1 GW in 2021 to 10 GW, to enable 10 TWh of annual electricity export.

Why the Dushanbe Project Matters to Energy Enthusiasts a mountainous nation where 93% of electricity comes from hydropower, yet faces seasonal shortages due to glacial melt patterns. ...

In a statement delivered at the conference, the Minister of Energy and Water Resources, Daler Juma, revealed yesterday that 36 investment projects (their total worth is ...

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However, for wind farms, solar PV power generation field, and other new energy-producing areas, the majority of new energy power plants do not have the conditions to establish a pumped ...

Tajikistan's geographic proximity to some of the world's fastest-growing energy markets means that investing in developing its hydropower potential can contribute to regional energy security ...

Chinese developer Eging PV Technology says it will build a 200 MW solar power station in southwestern Tajikistan. The nation will also construct its first production plant for solar ...

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