

What is the energy supply of Kyrgyzstan?

Kyrgyzstan had a total primary energy supply (TPES) of 168 PJ in 2019, of which 37% from oil, 30% from hydropower and 26% from coal. [1] The total electricity generation was 13.9 TWh (50 PJ), of which 92% came from hydroelectricity, the only significant renewable source in the country. [1]

Does Kyrgyzstan have solar energy?

Kyrgyzstan's geographic location and climatic conditions are quite favourable for the broader development of solar energy, evident in solar radiation maps.

What is Kyrgyzstan's energy saving potential?

Kyrgyzstan's energy saving potential is significant: it is estimated that rehabilitation and modernisation can save up to 25% of electricity and 15% of heat.

Which sector consumes the most energy in Kyrgyzstan?

Residential sector is the largest energy consuming sector in the country, followed by transport and industry. Electricity consumption per capita, although sometimes limited by power outages, increased by more than 45% from 2010 to 2018. Renewables contribute to 27% (2018) of Kyrgyzstan's energy mix.

How much does Kyrgyz energy project cost?

The project has a multi-phase programmatic approach with a financing envelope of \$125.7 million over 10 years. The first phase of the project will focus on supporting the Kyrgyz Republic to increase hydropower generation and enable renewable energy integration by strengthening the country's transmission systems.

What are the main hydropower projects in Kyrgyzstan?

[2][3] The Kyrgyz government plans to expand the hydropower capacity by 4.6 GW with four main projects: Kambar-Ata-1, Upper Naryn cascade, Suusamyr-Kökömeren cascade and Kazarman cascade. [4][5]

Kyrgyzstan (up to 700 kWh) Tajikistan. Uzbekistan. Ukraine. Azerbaijan. Georgia. Belorussia. Kazakhstan. Armenia. Russia. USD/kWh. Electricity Tariff for households in 2019. Source: ADB, Kyrgyzstan Energy Sector 2020 (lower rates applied for country with ranges)

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Kyrgyzstan exploits coal and some oil and gas, but most hydrocarbons are imported. In fact, it relies on oil and gas imports for more than half of its energy needs, particularly during the winter months when hydropower production is low.

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Kyrgyzstan's geographic location and climatic conditions are quite favourable for the broader development of solar energy, evident in solar radiation maps. Annual specific power generation by photoelectrical equipment has a potential 300 kilowatt hours per square metre (kWh/m²), and annual specific productivity of solar hot water supply ...

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Kyrgyzstan's energy sector is characterised by aged infrastructure and significant losses. Energy policy aims to improve energy security by developing indigenous energy sources and rehabilitating and expanding transmission and distribution networks.

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