

# Armenia's own power station generates electricity

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The Metsamor Nuclear Power Plant, pictured in Fig. 1, produces 34.5% of the nation's electricity alone. [1] Understanding the interplay between these components is crucial for evaluating Armenia's current ...

In 2023 Armenia had 4.3 GW of electricity installed generating capacity. Gross theoretical hydro-power capability, related to Armenia is 21.8 TWh/year. As of Jan 2021, Armenia registered 188 small-scale ...

Hydroelectric power plants accounted for 27.7% with a generation volume of 1,301.8 million kWh (a growth of 19%), while the Armenian Nuclear Power Plant accounted for 26.3% with a ...

Metsamor--the country's only nuclear power plant--had been halted in 1989 after the Spitak earthquake, leaving Armenia almost entirely dependent on hydropower. Blackouts became ...

Armenia lacks fossil energy source, and heavily relies on the production of electricity from a nuclear power plant and hydro power plants, and uses imported fossil fuels to operate thermal power plants.

Armenia's thermal power stations (which supply approximately 24% of its electricity) run on natural gas, making Armenia (at the present time) dependent on imported Russian gas.

Armenia's electricity mix includes 40% Gas, 33% Nuclear and 21% Hydropower. Low-carbon generation reached a record high in 2024.

Electricity in Armenia is generated primarily by the Armenian Nuclear Power Plant (ANPP), hydroelectric plants, and thermal plants. Solar energy provides less than two percent of ...

Armenia's electricity generation relies heavily on thermal and nuclear power, both dependent on imported fuels. In recent years, solar power has expanded significantly - supporting both the green ...



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Almost one-third of the country's electricity generation (30% in 2021) came from renewable sources. Forming the foundation of Armenia's renewable energy system as of 6 January 2022 were 189 small, ...

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