

A-Core Container

Armenia container power station power generation



Overview

What percentage of Armenia's Energy is renewable?

Renewable energy resources, including hydro, represented 7.1% of Armenia's energy mix in 2020. 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, private HPPs (under 30 MW), mostly constructed since 2007.

What is Armenia's electricity mix?

Armenia's electricity mix includes 40% Gas, 30% Nuclear and 20% Hydropower. Low-carbon generation peaked in 2022.

How many HPPs are there in Armenia?

Forming the foundation of Armenia's renewable energy system as of 6 January 2022 were 189 small, private HPPs (under 30 MW), mostly constructed since 2007. Installed capacity is approximately 389 MW for annual generation of 943 GWh, covering 14% of domestic supply.

Does Armenia have solar energy?

Armenia has significant solar energy potential: average annual solar energy flow per square metre of horizontal surface is 1 720 kWh (the European average is 1 000 kWh), and one-quarter of the country's territory is endowed with solar energy resources of 1 850 kWh/m² per year. Solar thermal energy is therefore developing rapidly in Armenia.

What percentage of Armenia's energy comes from natural gas?

In 2021, 62 percent of Armenia's total energy supply came from natural gas, followed by oil (16 percent), nuclear (14 percent), and hydro (5 percent), whereas the share of nontraditional renewable energy sources (wind and solar) was only about 1 percent.

How much electricity does Armenia consume per person?

Examining current trends in electricity consumption in Armenia reveals a rather disheartening picture. The latest per-person consumption is 3029 kWh, marking a decrease of more than 11% compared to the peak in 2022. Similarly, low-carbon electricity generation per person has dropped by about 12.5% since 2022.

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