

Why does Armenia need a single energy supplier?

Armenia relies on imports of natural gas and oil for most of its energy needs, which exposes it to supply risks and dependence on a single supplier. As the government considers energy security and the development of indigenous sources to be of prime importance for the energy sector, renewables and efficiency measures are key areas.

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.

How can Armenia improve energy security?

Armenia is heavily promoting renewables not only to increase energy security, but also to meet greenhouse-gas reduction commitments. Further emphasis on energy efficiency could also help improve energy security, according to the IEA.

How has Armenia restructured its energy sector?

Prompted by a severe electricity supply crisis in the mid-1990s, Armenia has revamped its energy sector over the past 20 years. Parts of the sector have been privatised, some companies have been restructured, most households now have access to gas, and cost-reflective tariffs have been introduced.

How important is R&D in energy technology and innovation in Armenia?

Research and development (R&D) in energy technology and innovation in Armenia is not significant, though it is becoming more important. The government's plan to develop new renewable energy technologies will increase the need for technology and innovation funding, and for skilled human resources.

How much energy does Armenia need?

It has been an observer to the Energy Community since 2011 and a member of the Eastern Partnership since 2009. Although Armenia's energy demand averages more than 3 Mtoe (3.59 Mtoe in 2020) and the country does not produce any fossil fuels, it manages to cover 27% of energy demand with domestic energy production.

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Solar energy is clean and safe. It prevents environmental pollution, can be produced on a small scale by the users themselves, is considered a cheap but reliable source of energy. Solar energy will eventually occupy a dominant role in the energy supply process, both on an industrial and individual scale.

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This was the first major international debt-financing package in Armenia's power sector. The Vorotan complex is one of the country's main power-generating facilities, providing 12 percent of Armenia's electricity generation. That initiative led to additional private investment in the country's energy sector.

Thus, in 2006, Armenia's power plants on average generated 678.2 MW of power, while the country's electricity consumption rate on average was 635.5 MW. Armenia has a total of 11 power stations and 17 220 kV substations. A map of Armenia's National Electricity Transmission Grid can be found at the website of the Global Energy Network Institute ...

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Armenian Nuclear Power Plant "Yerevan TPP" CJSC ... Armenia Renewable Resources and Energy Efficiency Fund; Legal acts Laws RA President's decrees Decisions Minister's orders International treaties Technical regulations, categories, methodologies and rules Energy and Energy Savings Standards ...

Armenia has a great potential for solar energy--the average annual value of the flow of solar energy on a 1m² horizontal surface is 1,720 kWh/m², and a quarter of the territory of the country is ...

In 2021, several parallel efforts were under way to create a comprehensive policy framework for energy efficiency in Armenia.¹ The government's new National Programme on Energy Saving ...



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" Talin-1 is capable of sufficing energy demands of almost 400 families. With this we launch a procession of massive solar power plants in Armenia," mentions the General Director of Arpi Solar company Mr. Hayk Chobanyan also adding: "We will start working on another larger power plant of 55 MW capacity in Masrik [Gegharkunik region] very ...

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Energy System diversification, regional integration, and energy efficiency are the pillars of energy security for Armenia. ... On the roof of the museum was installed a 20.71 kW photovoltaic power station Read more "Solar energy for cultural ...

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