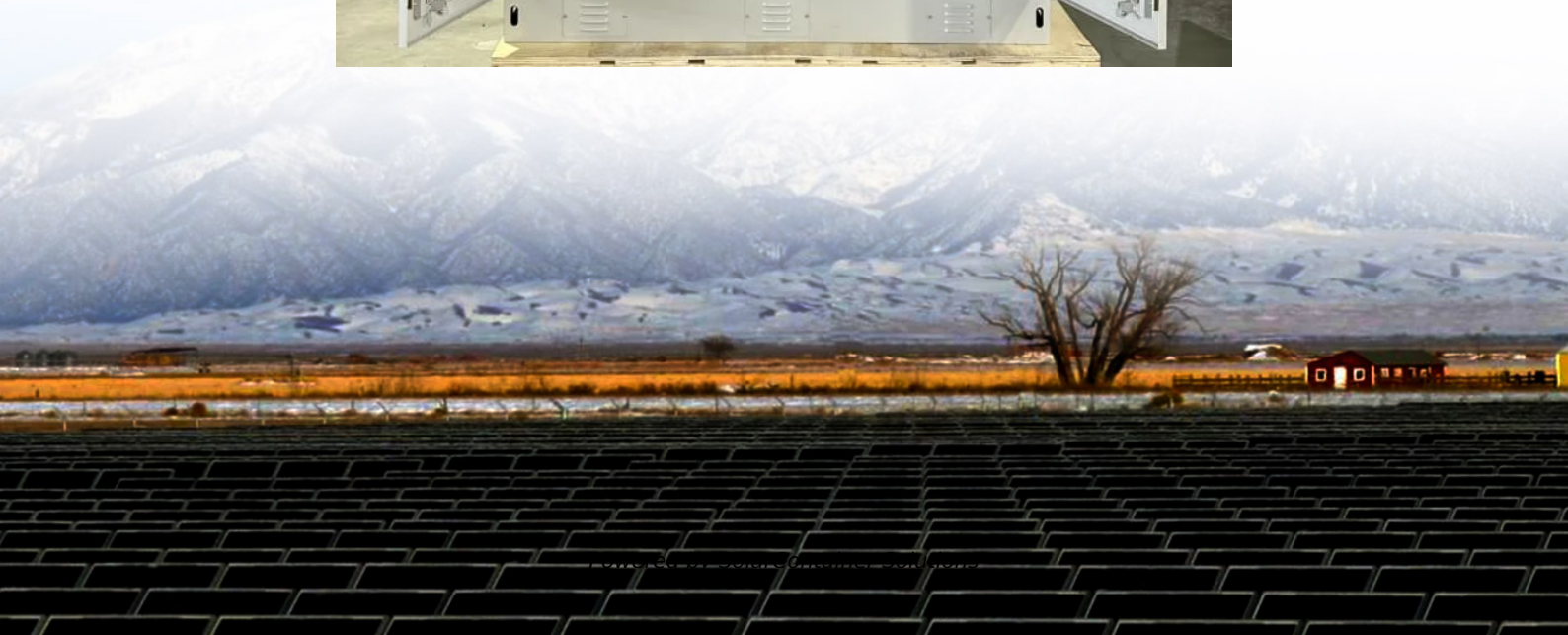


# **Armenia container power generation**





## Overview

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Installed capacity is approximately 389 MW for annual generation of 943 GWh, covering 14% of domestic supply. Several small plants also produce wind power (4.23 MW), bioenergy (0.835 MW) and solar power (56 MW), with limited impact on system supplies. How is electricity generated in Armenia?

Armenia's generation mix is diversified, with gas contributing 42%, nuclear 32%, and hydro 22%. Since 2015, electricity generation from natural gas has increased by 38%, while hydro generation has declined by 15%. The total generation capacity stands at 4 GW, which exceeds peak demand needs (~1.3 GW).

How many thermal power plants are there in Armenia?

There are four large thermal power plants in Armenia. "Yerevan TPP" CJSC, which although is combined cycle production unit, operated in condensation mode during 2022 and produced 1761.7 mln. kWh of electricity. The "Hrazdan TPP" OJSC condensing power unit, owned by "Gazprom Armenia" CJSC, produced 890 mln. kWh of electricity in 2022.

What is the share of energy production in Armenia in 2022?

For comparison, note that if in 2021 the share of energy production using solar technologies was 4.7%, then in 2022 it increased up to 5.7%. Armenia remains a country with great dependence on the imports of the energy resources. In 2022, imported energy resources in the total primary supply of energy were 80.3%.

Why is Armenia a reliance on energy resources?

Armenia remains a country with great dependence on the imports of the energy resources. In 2022, imported energy resources in the total primary supply of energy were 80.3%. In 2022, energy imports increased by 5.0% compared to 2021. This is mainly due to an increase in imports of oil products and natural gas.



## 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.

## 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.



## Armenia container power generation

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### Containerised Power Plant

A containerised power plant housing a gas engines can be installed within an internal and external infrastructure to support the power application.

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### Energy industry in Armenia

Armenia produces almost as much electricity from nuclear power as from hydroelectricity. According to the U.S. Energy Information Administration data, gross electricity ...

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Since 2015, electricity generation from natural gas has increased by 38%, while hydro generation has declined by 15%. The total generation capacity stands at ...

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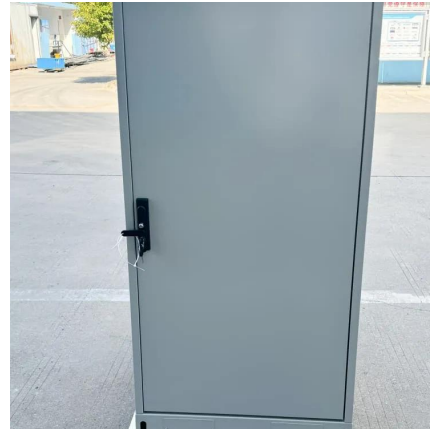
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[Electricity generation in Armenia  
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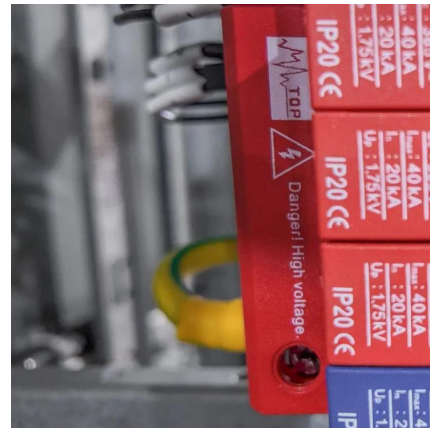
In January-May 2025, Armenia generated 3,992.9 million kWh of electricity, which is 3.6% more than in January-May 2024. This is evidenced ...

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## Electricity sector in Armenia

Armenia electricity production by source  
According to International Energy Agency in  
2015 electricity generation in Armenia increased  
since 2009 to nearly 8000 GWh, but still remains  
...

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[Armenia Electricity Production, 2008 -  
2025 , CEIC Data](#)

What was Armenia's Electricity Production in Jan 2025? Electricity Production in Armenia reached 918,600,000 kWh in Jan 2025, compared with 926,400,000 kWh in the previous month. See ...

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Installed capacity is approximately 389 MW for annual generation of 943 GWh, covering 14% of domestic supply. Several small plants also produce wind power (4.23 MW), bioenergy (0.835 ...

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## [Armenia Hydroelectric Power Generation Market \(2025-2031\)](#)

6Wresearch actively monitors the Armenia Hydroelectric Power Generation Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue ...

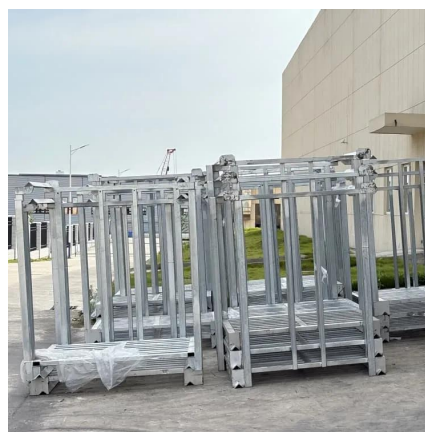
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## Renewable Energy: Armenia's Opportunities and Limits

The country has a single biomass power plant, opened in 2008, with a capacity of 0.8 MW and generation of 2.3 GWh. Located in Lusakert (Argel), it is powered by chicken ...

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## **Armenia**

CO2 emissions from power generation Power generation, which includes electricity and heat, is one of the largest sources of CO2 emissions globally, primarily from the burning of fossil fuels ...

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## **Armenia Electricity Generation Mix 2024 , Low-Carbon Power Data**

To ensure Armenia is on track to meet burgeoning future demands and environmental goals, reversing this trend is crucial, especially by augmenting low-carbon electricity generation.

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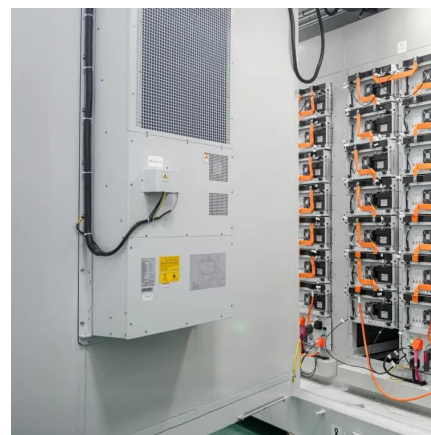
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With aging infrastructure and growing energy demands, Armenian power plant energy storage isn't just tech jargon--it's become the nation's electricity survival kit.

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### **ARMENIA ENERGY FACTSHEET 2022**

Although Armenia does not produce any fossil fuels, the country manages to cover 27.0% of its energy demand with domestic energy production: nuclear energy, hydro energy, as well as ...

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### [SRIE-Explanatory Notes on Compilation of Energy Balance ...](#)

The "Hrazdan TPP" OJSC condensing power unit, owned by "Gazprom Armenia" CJSC, produced 890 mln. kWh of electricity in 2022. "Hrazdan-5" condensing power unit owned by "Gazprom ...

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### Armenia's Energy Security and Regional Cooperation

Along with the increase in electric power supplies imported from Iran and Georgia, the thermal power stations could utilize the imported Iranian gas less and less, partially ...

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### Renewable Energy: Armenia's Opportunities and Limits

The country has a single biomass power plant, opened in 2008, with a capacity of 0.8 MW and generation of 2.3 GWh. Located in Lusakert ...

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## **Armenia**

Armenia could reap sizable economic benefits from improved energy efficiency. The electric power system of Armenia is considered to have significant potential for ...

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## **Electricity generation in Armenia increased by 3.6% to almost 4 ...**

In January-May 2025, Armenia generated 3,992.9 million kWh of electricity, which is 3.6% more than in January-May 2024. This is evidenced by data published by the National ...

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## [Energy security - Armenia energy profile - Analysis](#)

Armenia's electricity market operates under the single-buyer model and includes six large generation companies (private and state-owned), more than 205 ...

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