

Where does Armenia get its energy from?

Lacking indigenous resources, Armenia imports natural gas and oil for most of its energy needs (78.6% of total energy supply in 2020), mainly from the Russian Federation (hereafter, "Russia").

Does Armenia use natural gas?

Natural gas represents a large portion of total energy consumption in Armenia, accounting for 50% and is the primary means of winter heating in the country.

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 much energy does Armenia produce in 2021?

In 2021, Armenia produced 7.7 TWh of electricity, of which natural gas covered 44% (3.4 TWh), hydro and other renewables 30% (2.3 TWh) and nuclear 26% (2.0 TWh). In the Caucasus region, Armenia is the only country producing nuclear energy. Armenia's energy demand averages more than 3 Mtoe (3.59 Mtoe in 2020).

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.

How much solar power will Armenia have in 2024?

The government expects solar PV capacity to reach 100 MW by 2024 and 1,000 MW by 2030. According to the Ministry of Territorial Administration and Infrastructure, which oversees the energy sector, wind energy potential in Armenia is approximately 450 MW of total installed capacity.

National Energy Grid ... The national electricity transmission system of Armenia is operated by the state-owned firm ArmEnergo, and consists of 164 kilometers of 330 kilovolt (kV) lines, 1,320 kilometers of 220 kV lines, and 3,146 kilometers ...

N2 - Armenia has few proven reserves of natural energy and is dependent on long, unreliable transport lines for oil and gas. Preliminary studies indicate that the wind energy potential in Armenia is more than 500 megawatts (MW), assuming a reasonable fraction of 10% of the land area in the high-wind zones.

Armenia: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across ...

Armenia: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

This will pave a clear path from the current state of Armenia to energy independence, including the necessary changes for making Armenia an energy-efficient country. The roadmap will integrate multiple recent reports and papers to extend the analysis further on what has already been done by local and international organizations and experts.

In 2021, 77.1% of Armenia's energy demand was provided by imported resources. According to official data, in 2017-2021 Armenia was able to meet a maximum of 33.7% of its energy demand (primary energy resources: gas, electricity, oil, oil products) with domestic energy production.

OverviewHistory and geopoliticsRankingsPrimary energy supplyNatural reservesOilNatural gasSee alsoEnergy in Armenia is mostly from natural gas. Armenia has no proven reserves of oil or natural gas and currently imports most of its gas from Russia. The Iran-Armenia Natural Gas Pipeline has the capacity to equal imports from Russia. Despite a lack of fossil fuel, there are significant domestic resources to generate electricity in Armenia. The Armenian electrical energy sector has had a surplus...

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 and Renewable Energy for 2021-2030 (adopted 24 March 2022) includes Armenia's main energy efficiency policies and targets to 2030, based on analysis of ...

Armenia: Energy Efficiency Roadmaps Astghine Pasoyan Foundation to Save Energy Yerevan 2017. ... o1st National Energy Efficiency Action Plan targeting 2013 o2nd NEEAP (targeting 2017-2018-2020) o2012-2025 Long-Term Strategic Development ...

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 below 1990 levels. Also, in 2015 Armenia consumed more than twice as much natural gas than in 2009. [30]Armenia lacks fossil energy source, and heavily relies on the production of electricity ...

o Armenia's National Development Strategy o National Energy Security Concept o National Strategy on Sustainable Energy Sector Dev't o Energy Sector Development Strategy Program until 2040 (pending approval) Legal Framework o Law on Energy, introducing principles of Renewable Energy Promotion o Law "On Energy Saving and RES ...

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Armenia has sufficient electricity-generating capacity to meet current domestic needs, but electricity demand is projected to grow by up to three percent annually. Electricity in Armenia is generated primarily by the Armenian Nuclear Power Plant (ANPP), hydroelectric plants, and thermal plants.

Imports of oil and gas cover 75% of Armenia's energy needs. The 2015 National Energy Efficiency Action Plan focuses on developing indigenous energy sources, mainly renewable, and on replacing the country's main nuclear reactor. It also gives a particular

Armenia's energy system depends primarily on natural gas, nuclear and hydroelectricity. Natural gas is by far the largest contributor to total energy supply (TES), as well as the main energy carrier in total final consumption (TFC). ... A ...

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