



El Salvador energy storage home

Who owns El Salvador's electricity?

CEL is an independent, public electric utility in charge of developing, conserving, managing, and using the energy resources of El Salvador. Clean energy is generated in four hydropower plants located at different points in the Lempa River basin. ETESAL is El Salvador's transmission system owner.

What is the energy supply in El Salvador?

In 2019, total energy supply in El Salvador reached around 156 600 TJ (see Figure 5). That year, the renewable energy source with the largest share as part of the primary energy supply was bioenergy (19.6%), followed by hydropower (3.5%), geothermal energy (3.4%), and solar energy (1.1%) (CNE, 2020).

Where does El Salvador's energy come from?

Energy context The bulk of El Salvador's primary energy comes from fossil fuels. As shown in Figure 4, the total energy supply sources since 2010 have mainly been oil derivatives, such as gasoline, diesel, liquid petroleum gas (LPG), kerosene and bunker fuel (CNE, 2020).

What is El Salvador's Energy Cabinet?

The Energy Cabinet is composed by the Presidential Commissioner for Operations and Government Cabinet, MINEC, CNE, CEL, SIGET and the DC. Until the 1990s, El Salvador maintained a vertically integrated structure in its power sector, with CEL as the country's only state-owned generator.

How much electricity is produced in El Salvador?

The institution currently has a total installed capacity of 204.4 MW and a net production equivalent to 21.8% of the electrical energy produced in El Salvador. CECSA, a CEL subsidiary, is a company dedicated to the generation of electrical energy through small hydropower plants.

Does El Salvador have a national energy policy?

Institutional structure of energy sector El Salvador's National Energy Policy 2020-2050 was still being developed by CNE at the time of this report's release, with a publishing date of later in 2020. At time of writing, the existing national energy policy was thus still the one published by the Council in 2010 (CNE, 2010).

The president of El Salvador's transmission company Etesal, Edwin Núñez, announced plans to install energy storage systems at substations managed by the company. This initiative, mandated by President Nayib Bukele, aims to address energy fluctuations, particularly in solar power, which can destabilize the distribution network.

The solar PV plus storage facility, Capella Solar, has been officially opened providing electricity and power reserve to El Salvador's grid. The Capella Solar operation located in the Usulután department in El



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Salvador's southeast - about 100km to the southeast of the capital San Salvador - is noteworthy for several reasons.

Since adopting the Paris agreement, El Salvador has prioritized clean energy sources and system-wide improvements in energy efficiency. Bioenergy, geothermal, hydropower, solar, wind, and ocean energy are the key renewable sectors receiving funding. [1]

The new National Energy Policy 2020-2050 aims to diversify El Salvador's energy mix and take advantage of the country's significant renewable energy resource potential. At the same time, the policy highlights the need to reduce dependence on fossil fuels and mitigate the impact of climate change. This means adopting energy storage, efficiency

AES' Meanguera del Golfo solar plant--the first of its kind in Latin America--relies on enhanced solar-plus-battery storage technology to deliver uninterrupted, carbon-free electricity to isolated island communities and support economic growth in the Gulf of Fonseca region of El Salvador.

Storage systems allow for off-grid energy supply, shift excess energy to other sectors, act as backup power systems, control voltage and optimize self-consumption, among other features.

The AES Energy Storage platform provides a high-speed response to deliver energy to your system the moment it is required. This platform counts on advanced control structures that help improve the security and reliability of your supply, optimizing operation, increasing their useful life and reducing costs.

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El Salvador's First State-Owned Solar Plant Nears Completion. The Salvadoran Government is making significant strides in the construction of Talnique Solar, a solar power plant set to commence operations by the end of 2023, providing clean energy to approximately 25,000 households.

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