

Upgraded version of El Salvador's hybrid energy system



Overview

El Salvador has taken a significant step towards modernizing and expanding its energy sector by inaugurating the country's first hybrid power plants. These plants are located in the departments of La Libertad and Santa Ana, and aim to provide clean and constant energy to over 14,000 families. The Total energy supply (TES) includes all the energy produced in or imported to a country, minus that which is exported or stored. Some of these energy sources are used directly while most are transformed into fuels or. CECSA, a subsidiary of the National Electrical Transmission Entity (ENTE), has unveiled the first two hybrid power plants in El Salvador, integrating hydroelectric and photovoltaic generation. Situated in San Matías and San Luis, these plants collectively supply 5. Specifically, the country generates more than 60% of its electricity from clean energy technologies, with geothermal and hydropower each contributing around 17%, while solar power provides. The Republic of El Salvador has emerged as Central America's most dynamic renewable energy market following a cascade of legislative breakthroughs that took full effect in early 2026. With solar photovoltaic (PV) now accounting for 21. The four hydroelectric plants in El Salvador are: 5 de Noviembre (81.4 MW), Guajoyo (15MW), Cerrón Grande (135 MW), and 15 de Septiembre MW Ahuachapan, and the 66 MW Berlin plant. Majority state-owned power company La eo, formerly Gesal, operates the two.



Article Content

Feb 14, 2026

El Salvador

The National Energy Policy to 2024 of El Salvador guides the national actions on energy, following main principles: ensure high quality level and continuous and affordable energy access, decrease fossil

Oct 02, 2025

Hydropower and LNG Propel El Salvador's Energy Growth in 2024.

In 2024, El Salvador's electricity demand rose 4.3% to 7,145.2 GWh, primarily driven by LNG and hydroelectric power amid effects from the El Niño phenomenon.

Jun 05, 2026

EL SALVADOR HYBRID POWER GENERATION SYSTEM Wha

The Wartsila plant will bring important benefits to El Salvador by enabling clean, efficient, and flexible power generation that will, because of its fast-starting capability, complement and facilitate increasing

Apr 11, 2026

Hybrid learning in El Salvador: what did we learn from

In this blog, we summarise what we learnt about hybrid learning in El Salvador and relevant lessons from global experiences of blended and hybrid

Oct 06, 2025

Integrating Energy Transition into El Salvador's Nationally ...

El Salvador's new National Energy Policy 2020-2050 and the ongoing efforts towards the Nationally Determined Contribution (NDC) revision are creating an opportunity for the Salvadorian energy

Aug 06, 2025

Hybrid Regimes in Latin America: El Salvador and Mexico

In fact, two countries are currently moving from imperfect democracies to hybrid regimes: Mexico and El Salvador. Hybrid regimes,

Nov 09, 2025

Energy Sector Guide 2023

Furthermore, the country has implemented incentive programs for the installation of solar systems for businesses, promoting the adoption of photovoltaic solar energy. These efforts have helped reduce

Mar 31, 2026

New Report Highlights Renewables Development in El Salvador

A new report highlights key actions that could improve conditions for renewable energy development in El Salvador. Released in December 2020, Renewables Readiness Assessment: El

Apr 17, 2026

El Salvador Sees 160-Fold Increase in Solar Energy Capacity

El Salvador's solar energy capacity has surged 160-fold from 2015 to 2023, driven by over 60 solar farms, significant investments, and improved technology facilitating growth in renewable

Jun 25, 2026

El Salvador

Energy production includes any fossil fuels drilled and mined, which can be burned to produce electricity or used as fuels, as well as energy produced by nuclear fission and renewable power sources such

Oct 13, 2025

IRENA Offers Recommendations to Accelerate El Salvador's Energy

Enhancing long-term planning for the renewable energy sector, fostering project development and establishing clear institutional frameworks are among the key action areas that can

Jul 02, 2025

El Salvador Goes for \$236 Million Upgrade to Power Grid

El Salvador unveiled a US\$236 million investment plan to upgrade its electrical grid. The Salvadoran State-run energy company, AES El Salvador, will

Oct 27, 2025

El Salvador Solar Hybrid Systems | EMFULENI SOLUTIONS

This robust system is expertly engineered to offer. At EK Solar Solutions, we are at the forefront of the solar. . In today's fast-evolving energy landscape, businesses and communities in Maseru are turning

Sep 17, 2025

Renewable Energy Growth in El Salvador Powers

El Salvador's renewable energy sector generated 4,626 GWh in 2024, largely from hydroelectric and geothermal sources, promoting sustainability.

Aug 23, 2025

El Salvador Emerges as Regional Leader in Renewable Energy.

El Salvador's renewable energy sector is booming with 10% growth, reaching 70% energy demand coverage, and \$3 billion in investments, positioning the country as a regional leader.

Oct 17, 2025

El Salvador Inaugurates First Hybrid Power Plants,

El Salvador has taken a significant step towards modernizing and expanding its energy sector by inaugurating the country's first hybrid power

Jan 05, 2026

IRENA supports El Salvador's shift to renewable energy

IRENA analysis has presented 14 concrete actions that can significantly accelerate the country's uptake of renewable energy. Enhancing long-term planning for the renewable energy

Aug 16, 2025

Hybrid renewables boost El Salvador's energy sector

As a project manager in solar development who started out in distributed generation, I'm excited to see hybrid renewables finally taking center stage in El Salvador.

Apr 07, 2026

El Salvador Promotes Renewable Energy with New Geothermal Energy

El Salvador's new Geothermal Energy Law aims to enhance renewable energy, attract investment, ensure electricity reliability, and promote economic growth.

Apr 22, 2026

El Salvador Electricity Generation Mix 2025

To bolster its low-carbon electricity generation, El Salvador can capitalize on its existing solar infrastructure. By expanding solar electricity, the country can

Oct 30, 2025

El salvador wind and solar hybrid power system

Discover how new solar and wind projects are transforming El Salvador's energy landscape, reducing fossil fuel dependency and boosting renewable capacity by 2025.

Feb 03, 2026

Hybrid renewables boost El Salvador's energy sector

Hybrid Renewables in El Salvador: Turning Adversity Into Opportunity ☐☐ Being deeply connected to my Salvadoran roots, I've always admired the country's resilience and determination to keep ...

Mar 16, 2026

El Salvador Hybrid System Market (2025-2031) | Trends, Outlook

The hybrid system market in El Salvador is witnessing expansion as industries seek to optimize their energy consumption by integrating renewable and conventional energy sources.

Oct 13, 2025

El Salvador Passes Renewable Energy Law Reshaping Storage Market

As the market matures, MateSolar stands ready as a comprehensive one-stop photovoltaic and energy storage solution provider, offering fully integrated systems designed

Apr 08, 2026

Hybrid Power Plants

CECSA, a subsidiary of the National Electrical Transmission Entity (ENTE), has unveiled the first two hybrid power plants in El Salvador, integrating hydroelectric and photovoltaic generation.

Dec 25, 2025

El Salvador Advances Toward a Green Future with New Renewable

The new framework establishes a series of tax incentives and rights for end-users, making renewable energy more accessible for households and businesses. For a period of 10 years,

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