



# Storage as transmission El Salvador

Does liquefied natural gas support power generation in El Salvador?

A project utilizing liquefied natural gas (LNG) is supporting power generation in El Salvador and playing a major role in the country's energy transformation. An energy project in El Salvador has been called transformative for the Central American country, which has long relied on hydro and geothermal resources to support its power generation.

Why is the El Salvador power project important?

The power project, which began taking shape in 2013, is important for El Salvador because it offers cleaner energy production, replacing heavy fuel oil for power generation while offering flexibility the country needs to support the addition of more renewable energy resources to the national power grid.

Does El Salvador's power plant use LNG?

Energy officials said the use of LNG at the power plant has reduced emissions of carbon dioxide by 600,000 tons annually compared to burning fuel oil. The power plant also has reduced El Salvador's dependency on energy imports from neighboring countries.

Why is El Salvador a big importer of electricity?

El Salvador currently imports about one-quarter of the country's total electricity, making it the largest importer of electricity in Central America. Government officials have said the heavy reliance on imported power creates energy security risks, along with providing an economic challenge.

How much money is invested in El Salvador?

In total, the project represents an approximately \$1 billion investment in El Salvador. At least \$10 million will be invested in economic and social works during the term of the power purchase agreements, strengthening local communities with a more than \$500,000 investment per year.

When did El Salvador's EDP power plant start operating?

Despite the enormous challenges, including supply-chain disruptions, travel restrictions, airport closures, global financial volatility, and Salvadoran COVID-19 mitigation measures and regulations, the power plant began commercial operation in October 2022. EDP is a transformative investment in El Salvador's clean energy future.

As such, the 5MWh flow battery will combine with a 50MWh lithium-ion battery energy storage system (BESS) to operate as a single energy storage asset, with the lithium-ion component activated in June.

The president of El Salvador's transmission company Etesal, Edwin Nolasco, 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 project is comprised of a 380-megawatt (MW) natural gas-fired power plant, a permanently moored floating storage regasification unit (FSRU), a 1.8-km subsea pipeline that connects the power plant to the FSRU, and two 230-kV electric transmission lines, one of which connects to the Central American Electrical Interconnection System ...

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Energy investment in El Salvador strengthens the power grid. DELSUR has made an energy investment in El Salvador of US \$50 million in the last five years. This year alone (2022), the company's investments in the power grid will exceed US \$14 million. Additionally, DELSUR expects to add another US \$50 million between 2023 and 2026.

A years-long energy project in El Salvador recently reached a milestone, as technology company W&#228;rtsil&#228;; in November announced the installation and successful operation of a floating storage...

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BW Tatiana is Central America's first floating storage and regasification unit (FSRU), lynchpin of liquefied natural gas (LNG)-to-power project that will meet 30% of El Salvador's energy demand

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