

SolarInnovate Energy Solutions

Samoa Base Station Energy Storage Project



Overview

MANILA, PHILIPPINES (10 December 2024) — The Asian Development Bank (ADB) has signed a transaction advisory services agreement with Samoa's Electric Power Corporation (EPC) to support the development of a solar photovoltaic and battery energy storage systems with installations planned for the country's two largest islands, Upolu and Savai'i. How does Samoa's energy system work?

ed integration of innovative distributed energy solutions across its service territory. Currently, Samoa's energy portion of the tariff sees its highest cost kWhs coming from energy supplied through its diesel resources. The Samoan Government has an established goal of 70% renewable energy generation.

What is Samoa's energy mandate?

The mandate also includes addressing critical environmental, social, and gender considerations to ensure the project's sustainability and inclusiveness. Samoa currently relies on imported fossil fuels for approximately 69% of its electricity generation, leaving the country vulnerable to volatile oil prices.

Why are Tesla specialists assisting Samoa's Electric Power Corporation engineers?

Tesla specialists are on the ground assisting Samoa's electric power corporation engineers to ensure its battery energy storage systems are operating to support Samoa's energy needs during the current power crisis. Image: Electric Power Corporation, Samoa.

Which land is available for solar energy in Samoa?

For power, spaces in front near and the rear end of the thermal station is available for RE. Total land area from Samoa Land Corporation is 15.5 acres. Land was designated for Solar Energy. Lease Property is legally leased to EPC from Samoa La.

Who owns ADB in Samoa?

Established in 1966, it is owned by 69 members—49 from the region. ADB has signed a transaction advisory services agreement with Samoa's Electric Power Corporation (EPC) to support the development of a solar photovoltaic and battery energy storage systems with installations planned for the country's two largest islands, Upolu and Savai'i.

How has the power crisis impacted Samoa?

The crisis has led to up to 16 hours of daily power interruptions across Upolu requiring extensive power rationing coordinated by the Electric Power Corporation (EPC). Samoan Prime Minister Fiame Naomi Mata'afa said the economic impact of the crisis is estimated to cost up to 16% of Samoa's GDP.

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