

What is French Polynesia's energy transition plan?

French Polynesia's energy transition plan has three main objectives: Change the energy model, by gradually replacing the use of fossil fuels with renewable energies in all activities

Does French Polynesia rely on hydrocarbons?

French Polynesia, like most island territories, is highly dependent on hydrocarbon imports. In 2019, 93.8% of energy consumed in the archipelagos came from imports of various petroleum-based fuels. The renewable energy penetration rate in power generation stood at 28.78% in 2019. This figure has remained stable over the last five years.

Is biomass a source of electricity in French Polynesia?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important source in lower-income settings. French Polynesia: How much of the country's electricity comes from nuclear power? Nuclear power - alongside renewables - is a low-carbon source of electricity.

Approximately 6% of primary energy in French Polynesia is generated from renewable energy sources. [1]
Approximately 30% of electricity is generated renewably, primarily Hydroelectricity and solar power. [1]
Renewable generation is concentrated on Tahiti, with other parts of French Polynesia almost entirely reliant on fossil fuels. [2]

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes (for comparison).

1 University of French Polynesia, GEPASUD Laboratory 2 Direction Inter Régionale de Polynésie française, Météo France * Corresponding author: marania.hopuare@upf.pf. Abstract. This study focuses on the solar resource available at Faaa, Tahiti (17.5°S, 149.5°W) thanks to 10 year-long solar irradiance time series.

Solar energy assessment and forecasting in insular regions: the Tahiti case study Guillaume Tremoy More information on the tahitian power grid and all of our forecasting services ...

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AFD and the Polynesian authorities have jointly defined a support program to assist French Polynesia with its energy transition. By 2030, the renewable energy penetration rate in power generation will reach about 75%.

by the heliostats on its way to the solar receiver, with distances greater than 1500m for large solar plants will allow firstly, to perform an adequate selection of those sites with the best characteristics for the deployment of solar tower plants and to optimize the routine

So far, we have conducted calculations to evaluate the solar photovoltaic (PV) potential in 2 locations across French Polynesia. This analysis provides insights into each city/location's potential for harnessing solar energy through PV installations. Link: [Solar PV potential in French Polynesia by location](#)

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French Polynesia: 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.

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