

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.

How much electricity does French Polynesia use?

Hydroelectricity accounts for 23% of the electricity mix in French Polynesia. It is the first renewable energy source in French Polynesia with an installed capacity of 49.3 MW. Solar water heaters produce hot water using solar energy. In 2019, the electricity consumption saved is approximately 22 GWh, i.e. 3% of electricity consumption.

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

What is PEC in French Polynesia?

In French Polynesia, mainly crude oil and its derivatives, hydraulic power and solar radiation PEC is expressed in tonnes of oil equivalent (toe), unit that allows the different energies to be compared in relation to their intrinsic characteristics. litres of hydrocarbons were imported in 2019 in French Polynesia. is the dependency rate.

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In a three-day event held from 19 to 21 March 2024, the Clean energy for EU islands secretariat convened stakeholders in Puna'auia, Tahiti, French Polynesia. The workshop aimed to address the pressing technical and legislative hurdles hindering the energy transition in French Overseas Territories.

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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%.

Global power leader Cummins is committed to net-zero emissions by 2050 through aggressively pursuing a broad portfolio of technologies. "Clean" diesel is still an important part of Cummins' product portfolio and will continue improving in the years ahead as decarbonisation increasingly gets traction across industries.

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]

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Combined energy generation or the use of power and heat or cold enables energy savings of up to 60 percent. Gas Solutions MWM gas engines efficiently convert various gas types to power, heat, and cold.

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