

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.

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.

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

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.

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.

What is energy production in Tahiti?

is the production of electricity of net thermal origin related to the combustion of fuel oil for Tahiti and diesel in the islands. energies in the electricity mix, thanks in particular to the production of hydroelectricity and electricity from photovoltaic sources.

The average daily incident shortwave solar energy in Tahiti is increasing during the winter, rising by 1.4 kWh, from 4.4 kWh to 5.8 kWh, over the course of the season. The lowest average daily incident shortwave solar energy during the winter is 4.4 kWh on June 18.

July Weather in Tahiti French Polynesia. Daily high temperatures are around 84°F, rarely falling below 81°F or exceeding 86°F. ... This section discusses the total daily incident shortwave solar energy

reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation of ...

April Weather in Papeete French Polynesia. Daily high temperatures are around 87°F, rarely falling below 84°F or exceeding 90°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation of ...

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%.

The average daily incident shortwave solar energy in French Polynesia is essentially constant during May, remaining within 0.1 kWh of 4.5 kWh throughout. Average Daily Incident Shortwave Solar Energy in May in French Polynesia Fall Link. Download. Compare. Averages: J ...

In French Polynesia during July average daily high temperatures are level around 84°F and it is overcast or mostly cloudy about 26% of the time. Weather Spark. Map. ... The average daily incident shortwave solar energy in French Polynesia is gradually increasing during July, rising by 0.5 kWh, from 4.4 kWh to 5.0 kWh, ...

As of 2022, the electricity consumption in French Polynesia predominantly relies on fossil fuels, accounting for over two-thirds or approximately 67% of the total electricity generation. The remaining portion, nearly a third, comes from low-carbon or clean sources. Specifically, around 26% of the electricity is generated from hydropower, while about 7% comes from solar energy.

December Weather in Tahiti French Polynesia. Daily high temperatures are around 86°F, rarely falling below 83°F or exceeding 89°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation ...

February Weather in Bora-Bora French Polynesia. Daily high temperatures are around 87°F, rarely falling below 85°F or exceeding 89°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the ...

ENERGY PROFILE Total Energy Supply (TES) 2015 2020 Non-renewable (TJ) 11 908 11 926 ... French Polynesia COUNTRY INDICATORS AND SDGS TOTAL ENERGY SUPPLY (TES) Total energy supply in 2020 ... Solar PV: Solar resource potential has been divided into seven classes,

The month of June in French Polynesia experiences rapidly decreasing cloud cover, with the percentage of time that the sky is overcast or mostly cloudy decreasing from 41% to 28%. The clearest day of the month is

June 30, with clear, mostly clear, or partly cloudy conditions 72% of the time.. For reference, on December 29, the cloudiest day of the year, the chance of ...

March Weather in Papeete French Polynesia. Daily high temperatures are around 88°F, rarely falling below 85°F or exceeding 90°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation of ...

November Weather in Tahiti French Polynesia. Daily high temperatures are around 86°F, rarely falling below 83°F or exceeding 88°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation ...

Papeete, French Polynesia - sunrise, sunset, dawn and dusk times for the whole year in a graph, day length and changes in lengths in a table. Basic information, like local time and the location on a world map, are also featured. ... Papeete, French Polynesia - Solar energy and surface meteorology. Variable I II III IV V VI VII VIII IX X XI XII ...

February Weather in Papeete French Polynesia. Daily high temperatures are around 87°F, rarely falling below 84°F or exceeding 90°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation ...

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 ...

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