

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.

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.

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

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. ergies in the electricity mix, thanks in particular to the production of hydroelectricity and electricity from photovoltaic sources.

May Weather in Papeete 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 of ...

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 ...

The climate in French Polynesia is hot, oppressive, windy, and partly cloudy. Over the course of the year, the temperature typically varies from 72°F to 88°F and is rarely below 68°F or above 90°F. ... This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full ...

Summer Weather in Tahiti French Polynesia. Daily high temperatures are around 87°F, rarely falling below 83°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 ...

The average daily incident shortwave solar energy in French Polynesia is essentially constant during February, remaining within 0.1 kWh of 5.5 kWh throughout. Average Daily Incident Shortwave Solar Energy in February in French Polynesia Summer Link. Download. Compare. Averages: J Feb M A M J J A S O N D.

Summer Weather in Bora-Bora French Polynesia. Daily high temperatures are around 86°F, rarely falling below 84°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 ...

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%.

In French Polynesia during August average daily high temperatures are level around 83°F and it is overcast or mostly cloudy about 23% of the time. ... The average daily incident shortwave solar energy in French Polynesia is gradually increasing during August, rising by 0.8 kWh, from 5.0 kWh to 5.8 kWh, ...

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 ...

In order to achieve France's goal of carbon neutrality by 2050, the French Polynesian administration has set the objective of producing 100% of the local electricity requirements from renewable energy resources. To this end, we present the wind characteristics at six selected locations in Tahiti. Surface wind observations from 2008 to 2020 obtained from ...

The average daily incident shortwave solar energy in French Polynesia is essentially constant during January, remaining within 0.1 kWh of 5.7 kWh throughout. Average Daily Incident Shortwave Solar Energy in January in French Polynesia Summer Link. Download. Compare. Averages: Jan F M A M J J A S O N D.

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 ...

August Weather in Tahiti French Polynesia. Daily high temperatures are around 83°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 ...

Primary energy trade 2015 2020 Imports (TJ) 12 270 11 917 Exports (TJ) 0 0 Net trade (TJ) - 12 270 - 11 917 Imports (% of supply) 96 95 Exports (% of production) 0 0 Energy self-sufficiency (%) 7 5 French Polynesia COUNTRY INDICATORS AND SDGS TOTAL ENERGY SUPPLY (TES) Total energy supply in 2020 Renewable energy supply in 2020 95% 5% Oil Gas ...

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 delivered there for >6 years can be found on the following poster: THANK YOU THANK YOU There is still room for improvement: Data assimilation in WRF, ensemble ...

March Weather in Tahiti 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 ...

Web: <https://www.solar-system.co.za>

