

How TEC is powering Tuvalu with renewable resources?

TEC has set a vision of "Powering Tuvalu with Renewable Resources" and this aligns well with the Tuvalu Government's target of 100% renewable energy by 2025. All the islands of Tuvalu are on 24/7 power supply and the access rate is 100%. The outer islands are powered by hybrid solar PV system with diesel generator on standby.

What is the Tuvalu solar power project?

The Government of Tuvalu worked with the e8 group to develop the Tuvalu Solar Power Project, which is a 40 kW grid-connected solar system that is intended to provide about 5% of Funafuti's peak demand, and 3% of the Tuvalu Electricity Corporation's annual household consumption.

How can TEC help Tuvalu move towards a low-emissions future?

Helping Tuvalu move towards a low-emissions future by powering with Renewable Energy. Leadership ensures everything outlined in TEC's plan comes to fruition, that all activity is aligned to the company's strategic pillars and that the company is on track to achieve its goals.

What are the characteristics of Tuvalu's energy consumption?

Analysis of Tuvalu's energy consumption reveals the following characteristics: o Tuvalu's economy is almost totally dependant on oil. Only around 18% comes from local biomass resources, which is not accounted for in official statistics and is not the object of any active policy.

How does Tuvalu's environment affect development & economy?

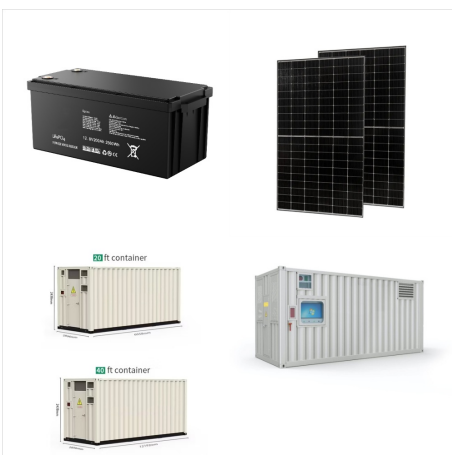
Tuvalu's environment is under pressure: sea-water rise contaminating the soil with salt, direct impact on waste and sewage systems from rising human density contributing to further damage. The 1987 UN Brundlandt report has definitely shown the existing link between environment/ecology and development /economy.



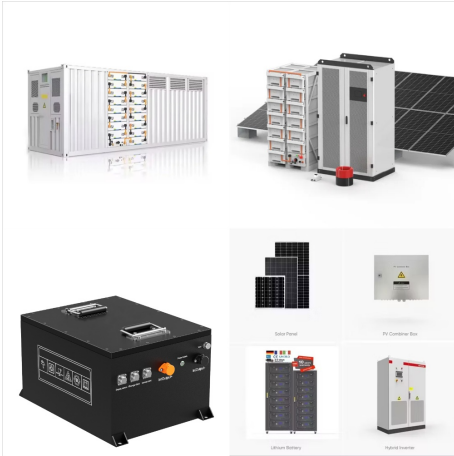
By 2020, the Pacific island state of Tuvalu aims to become the first country in the world to generate 100 percent of its electricity from renewable sources such as solar, wind, and biofuel. ???



This Renewable Energy Master Plan is the outcome of the Government of Tuvalu vision made in 2008 for Tuvalu to become 100% renewable energy for all its power generation by the end of 2020. The local name "Enetise Tutumau" is firmly embedded in the Tuvalu's Energy Strategy with the goal to convert Tuvalu's electricity generation from 100



A sole provider of electricity services to the rest of the Tuvalu. TEC has set a vision of "Powering Tuvalu with Renewable Resources" and this align well with the Tuvalu Government set target of 100% renewable energy by 2025. All the islands of Tuvalu are on 24/7 power supply and the access rate is 100%.



Under the Majuro Declaration, which was signed on 5 September 2013, Tuvalu has commitment to implement power generation of 100% renewable energy (between 2013 and 2020), which is proposed to be implemented using Solar PV (95% of demand) and biodiesel (5% of demand).



Tuvalu Electricity Profile. 8 Power Stations. Main Power Station ??? Funafuti. 3 x 600kW ??? 1,800kW. Peak Load ??? 1,362kW. Outer Islands ??? all have solar PV's with storage and 1 x Standby Genset of 164kW total capacity. Peak Load ??? during night time, varies from island to island and ranges from 20kW ??? 70kW



The National Energy Policy includes a mechanism which is analogous to a Renewable Portfolio Standard, which relies on most projects being funded by external development assistance, on a bilateral basis with the ???



emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries and



The current study concerning renewable energy potential and implementation in Tuvalu is at the crossroad of 2 issues, each with major strategic implications: climate change threats and worldwide oil crises. Given this context, what can renewable energy contribute to Tuvalu's benefit?



OverviewTuvalu's carbon footprintTuvalu Energy Sector Development Project (ESDP)Commitment under the Majuro Declaration 2013Commitment under the United Nations Framework Convention on Climate Change (UNFCCC) 1994Solar energyWind energyFilmography





The National Energy Policy includes a mechanism which is analogous to a Renewable Portfolio Standard, which relies on most projects being funded by external development assistance, on a bilateral basis with the Tuvalu Electric Company. Action began with a 40 kw rooftop solar system that supplies 5% of the capital city of Funafuti's power.



By 2020, the Pacific island state of Tuvalu aims to become the first country in the world to generate 100 percent of its electricity from renewable sources such as solar, wind, and biofuel. At present, some 77 percent of the country's installed capacity comes from a power station on the island of Funafuti.



innovative solutions like floating solar panels (a first for the PICs) and raised solar installations are being embraced in Tuvalu as the Pacific grapples with addressing the challenge of limited land space.