Tuvalu solar power home system

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 systemthat is intended to provide about 5% of Funafuti 's peak demand,and 3% of the Tuvalu Electricity Corporation's annual household consumption.

How much energy does Tuvalu use a year?
Like many Small Island Developing States (SIDS), Tuvalu has been heavily reliant on imported fuel for its diesel-based power generation system. Through this new FSPV system 174.2 megawatts per hour of electricity will be generated each year, meeting two percent of Funafuti's annual energy demand.

How TEC is powering Tuvalu with renewable resources?
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%. The outer islands are powered by hybrid solar PV system with diesel generator on standby.

Where does Tuvalu electricity come from?
Tuvalu's power has come from electricity generation facilities that use imported dieselbrought in by ships. The Tuvalu Electricity Corporation (TEC) on the main island of Funafuti operates the large power station (2000 kW).

What was the first large scale solar system in Tuvalu?
The first large scale system in Tuvalu was a 40 kW solar panel installationon the roof of Tuvalu Sports Ground. This grid-connected 40 kW solar system was established in 2008 by the E8 and Japan Government through Kansai Electric Company (Japan) and contributes 1% of electricity production on Funafuti.

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Funafuti, Tuvalu: The installation of Tuvalu"s inaugural Floating Solar Photovoltaic (FSPV) system has been

successfully completed, with this cutting-edge system seeing 184 solar panels positioned on Tafua Pond in Funafuti.

The project will install stand-alone photovoltaic solar home systems that will provide reliable, high quality, cost-effective and environmentally friendly 24-hours power supply. The expected short-term development change is household and community access to ...

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Through this new FSPV system 174.2MWh of electricity will be generated each year, meeting two percent of Funafuti"s annual energy demand. The project aims to facilitate the development and utilisation of feasible renewable energy resources and applications of energy efficient technologies in Tuvalu.

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