

The pacific island nation of Tuvalu is on track to achieving its goal of 100% renewables by 2030, with the recent commissioning of a 500 kW rooftop solar project and 2 MWh battery energy storage system in it's capital Funafuti.

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Tuvalu Renewable Energy Project has updated its roadmap for Funafati to achieve 100% electricity generation through renewable energy by 2025.⁷ Tuvalu receives high levels of solar irradiation (GHI) of 5.3 kWh/m²/day and specific yield 4.3 kWh/kWp/day indicating a high technical feasibility for solar in the country.⁸

In Funafuti, a small pond bordered by pig pens is now home to an innovative renewable energy pilot program, floating solar panels. Tuvalu Energy Corporation General Manager, Mafalu Lotolua says the project is a response to the struggle to find space to install solar panels on the atoll.

The installation of Tuvalu's inaugural 100.28kWp Floating Solar Photovoltaic System (FSPV) consists of a total of 184 x 545W Sunergy solar panels with a solar floating mounting system. Through this new FSPV system 174.2MWh of electricity will be generated each year, meeting two percent of Funafuti's annual energy demand.

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Funafuti, Tuvalu: The installation of Tuvalu's inaugural 100.8kW Floating Solar Photovoltaic (FSPV) system has been successfully completed, with this cutting-edge system seeing 184 solar panels positioned on Tafua Pond in Funafuti.

Web: <https://gennergyps.co.za>