

# 5 Ways Pacific Countries Are Adopting Renewable Energy Practices



From the People of Japan



## Prioritizing Solar Energy in Papua New Guinea

Solar systems installed at three Innovation Hubs allowing people access to reliable and constant power supply, and Internet connectivity.

Total power production by solar farm for 25 years:  
**38,912.4 MWh = 38,912,400.0 KWh**

These hubs support entrepreneurship, especially among women, youth and marginalized groups to establish a viable business entity including Micro Small and Medium Enterprises (MSME).

Local communities are being trained in system use and maintenance.



### Key impact

Affordable off-grid power, increased access to electricity, and local economic growth.

Aims to reach **30,000 direct beneficiaries** and 300,000 indirect beneficiaries

Deliver electricity at 8 cents per kilowatt-hour; **92% cost reduction from the current diesel** in Papua New Guinea

## Promoting Electric Transportation in Samoa

**National strategies support low-carbon transport:** updated its laws and policies to support low-carbon transportation development, including initiatives like the Transport Sector Decarbonization Strategy and Sustainable Land Use and Mobility Plan.

Electric vehicle **charging stations being installed.**

Electric vehicles include public service cars, fire trucks, and oxygen delivery trucks: **76 electric vehicles already on the roads.**

**Education:** New electric vehicle mechanics curriculum now in three schools.

**Sea transport improvements:** developing a national Vessel Registry System and exploring ways to make sea transport more environmentally friendly by incorporating traditional boat design.

### Key impact

Cleaner, safer transport options and long-term technical education to benefit the entire country.



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## Powering Health and Schools in Timor-Leste



Launched the **solarization** of the National Medical Warehouse at the Institute of Pharmacy and Medical Products (INFPM).

Solar systems provided for schools, health facilities, and households.

Improved **cooking stoves** distributed to **1,000 rural households** across three municipalities in

**15 secondary and vocational school ICT labs** equipped with solar-powered information technology labs.

**Key impact** Better healthcare, enhanced learning environments, and household energy solutions. Over 750,000 people benefit from improved medical services.

## Installing Pico-hydro Energy in Vanuatu

**Three small-scale hydro power stations** being built in remote areas.

**Technical training** provided to local communities.

**Supports national goal of 100%** renewable energy access by 2030.

**Key impact** Reliable, locally managed power for remote areas. Over 2,000 people directly benefit, with 6,000 indirectly supported.



## Learning and Collaborating Across Countries

Workshops in Fiji, Singapore, Timor-Leste, and Okinawa **enabled knowledge-sharing**.

**Topics include gender and energy access**, grid integration, fair pricing, and energy efficiency.

Experts from Papua New Guinea, Samoa, Timor-Leste, and Vanuatu **exchanged practical solutions**.

**Key impact** Shared **regional expertise** strengthens each country's just energy transition.



## Project Background

These interventions are being supported through the Pacific Green Transformation Project. The Pacific Green Transformation Project, funded by the Government of Japan and implemented by the United Nations Development Programme, is helping communities in Papua New Guinea, Samoa, Timor-Leste, and Vanuatu switch to renewable energy, reduce fossil fuel dependence, and create sustainable, green solutions for future generations.



Link to project website: [Pacific Green Transformation Project | United Nations Development Programme](#)