

Why Pico Hydros Matter



From
the People of Japan



Clean & Reliable Power from Nature

Pico hydros use small rivers and mountain streams to generate electricity – No diesel, no pollution, and minimal environmental impact.

They provide **24/7 power**, consistently delivering electricity during both dry and wet seasons.

Perfectly suited for **remote islands** in country's such as Vanuatu, with abundant inland water sources.



Energy for Remote and Off-Grid Islands

Over 70% of rural Vanuatu lacks access to the grid connection

Pico hydros are ideal for remote island villages where grid expansion is costly, impractical or difficult to reach.

Enables **power for day-to-day** usage such as lighting, charging phones, connectivity, running appliances, economic activities, operating small tools, transforming daily life for residents.

Can be scaled up and maintained by the community, with support from URA, NGOs and the Government.

Crucially, they have **no ongoing fuel** costs, unlike expensive and polluting diesel generators.



Affordable Community-Led Solution

Skills & Local Job Creation



Promotes **valuable hands-on** technical training, especially for youth and women.

Local operators manage repairs and **water flow** – **boosting self-reliance and sustainability** within the communities.

Why Pico Hydros Matter



From
the People of Japan



Powering Essential Public Services

Keeps clinics running, ensuring vital services like vaccine fridges (cold chain) and **reliable lighting**.

Contributes to night-time learning for students, enables critical radio communication, and supports the growth of **rural businesses**.



Sustainable & Climate-Resilient

Helps Vanuatu reduce its reliance on fossil fuels and significantly cut carbon emissions.

Directly supports the National Energy Roadmap (NERM) and climate resilience targets contributing to the ambitious goal of achieving **100% electrification with Renewable Energy by 2030**.

Economic Empowerment

Creates income-generating activities for local people/entrepreneurs.

Lowers household costs by replacing expensive fossil fuel - kerosene and diesel.



Link to project website: **Pacific Green Transformation Project | United Nations Development Programme**