

Why Solar Energy Matters



From
the People of Japan




Reduce Household Energy Costs

Over 80% of the population in the Pacific lack access to reliable energy and rely on expensive diesel or kerosene.

Solar systems cut household energy spending by **up to 80%**, offering a cleaner, cheaper alternative*.



 * New report: Solar PV + Heat Pump combos saved Europeans up to 84% on household energy bills in 2022 - SolarPower Europe

Fight Climate Change



Many countries in the Pacific are **highly vulnerable to climate impacts** – sea level rise, extreme weather, and food insecurity.

Solar reduces CO₂ emissions and helps meet national climate goals.

Reliable Power for Remote Areas



Solar enables off-grid power for lighting, phone charging, and small appliances.

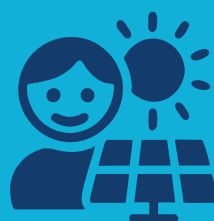
Mini-grids and solar home systems are transforming isolated villages.

Solarizing 1,000 households and 18 public institutions is increasing energy access in remote communities in Timor-Leste.

UNDP has helped install solar power in Innovation Hubs, health posts and schools across Papua New Guinea and Timor-Leste.

Keeps vaccines cold, powers equipment, and ensures safe childbirth and education continuity.

15 schools in Timor-Leste now benefit from solar power, giving students better spaces to learn and grow.



Reliable Power for Clinics and Schools

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Cost-Effective, Long-Term Investment

Solar is now cheaper
than diesel and grid extension
in remote regions.



Local Jobs and Innovation



Solar projects are creating jobs in
installation, maintenance, and training,
especially for women and youth.

Global Goals, Local Impact

Aligns with
Timor-Leste's and
PNG's NDC targets.

**Solar is clean,
reliable, and a
smart solution**
for energy access
in PNG and
Timor-Leste.



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