



From
the People of Japan



PROJECT FACT SHEET
2024

Pacific Green Transformation

Papua New Guinea

Location	Donor	Technology	Duration
Bougainville (North, Central and South)	The Government of Japan	Micro solar farms Total capacity of 1MW	February 2023 to February 2025

Renewable solar system for communities in Bougainville

INTRODUCTION

PNG aims to achieve 70% electrification by 2030, which is central to achieving Papua New Guinea's NDC. Renewable energy presents a practical solution to PNG's topography and demographic challenge.

BACKGROUND

Small Island Developing States (SIDS) are on the frontlines of the climate crisis. SIDS in the Pacific relying on fossil fuels for 97% of their energy needs. PNG is highly vulnerable due to its dependence on imports of goods, services, and energy supply and a lack of diversification of economies. In Papua New Guinea, most communities are in rugged, remote and mountainous terrain where primary grid connections would be complicated and expensive.

METHODOLOGY

The project will follow these six steps to achieve its aims.

- Widen community engagement during the design phase
- Pilot solar energy facilities in each of the three regions of Bougainville
- Strengthen legal structures and platform to expand renewable energy adoption
- Operations and maintenance for the solar farms
- Upskill the community and workforce
- Monitoring, Communication and Coordination

SUMMARY

This project aims to promote green transformation in the Pacific Region towards Net-zero and climate-resilient development. It will build resilience of Bougainville through expansion of renewable energy access

RESULTS

- Access to more affordable forms of off-grid renewable energy will significantly improve the livelihoods of communities and people, especially women and youth.
- By pursuing greener income generation options, PNG would leapfrog outdated fossil fuel technologies and accelerate reductions in emissions to meet its NDC target.
- It will drive sustainable, inclusive, and peaceful development for communities while opening private sector opportunity