

Tonga Power Ltd and JICA Partner to Strengthen Grid Operations

October 21, 2024



Tonga Power Limited (TPL) and the Japan International Cooperation Agency (JICA) have joined forces to enhance grid operations on Tongatapu Island. The project aims to strengthen the Kingdom of Tonga's renewable energy infrastructure and promote sustainability.

The collaboration will address challenges within the existing energy management system (EMS) and micro-grid systems (MGS), ensuring efficient integration of renewable energy sources. This initiative will provide critical upgrades to monitoring and control systems, contributing to the reduction of greenhouse gas emissions.

Key Activities:

- **Linking EMS and MGS:** JICA will support TPL in establishing effective coordination between existing micro-grid systems and energy management systems.
- **Capacity Building for Optical Fiber Maintenance:** JICA will provide on-site training to TPL staff on restoring and managing optical fiber communication lines.
- **Technology Transfer:** JICA experts will work closely with TPL to transfer knowledge and skills, ensuring long-term sustainability and capacity building.

This partnership builds upon JICA's previous support for Tonga's energy sector, including the installation of solar and wind power generation systems. By addressing both technical and infrastructure needs, this project will enable Tonga to increase its reliance on renewable energy and achieve its national goals of energy independence and climate resilience.

Mr. Finau Moa, CEO of Tonga Power Limited, stated: “This collaboration with JICA is a critical step forward in ensuring that Tonga’s energy infrastructure can support its ambitious renewable energy targets. We are excited to strengthen our grid operations and make substantial progress towards a sustainable future.”

Ms. Rika Uemura, JICA Resident Representative, stated: “We are proud to partner with TPL in this project, which demonstrates the strength of our commitment to improving energy security and resilience in the Pacific region.”

A Record of Discussion for the project was signed on March 11, 2024, with an implementation period of 24 months from October 2024 to September 2026.