

 Early Warning System

ADB-49450-043

Grid Enhancement for Sustainable Energy Transition (formerly Grid
Strengthening Project)



Quick Facts

Countries	Tonga
Specific Location	Fualu
Financial Institutions	Asian Development Bank (ADB)
Status	Proposed
Bank Risk Rating	B
Borrower	Government of Tonga - Ministry of Finance
Sectors	Energy
Investment Type(s)	Grant
Investment Amount (USD)	\$ 1.00 million



Project Description

According to the Bank's website, the project will construct a new 12-kilometer of 33-kilovolt transmission line from Fualu to Popua power station, and installations of necessary substations and interconnections; install protection systems and control equipment to mitigate the risk of power system failures; and rehabilitate 7.5 kilometers of the existing 11-kilovolt medium-voltage transmission network feeder running to the western part of Tongatapu. The project will also provide capacity building and training for the staff of Tonga Power Limited (TPL).

To achieve the goal of 70% renewable energy by 2025, Tonga Power Limited (TPL), a government-owned public enterprise in Tonga responsible for electricity generation, transmission, and distribution, will enter a power purchase agreement with an independent power producer (IPP) to purchase electricity from a 20-megawatt (MW) solar photovoltaics and 20 MW / 50-megawatt hour (MWh) battery energy storage system to be built and located at Fualu. ADB is supporting the government of Tonga, particularly TPL, to evacuate energy from the IPP's 20 MW solar PV and 20 MW / 50 MWh BESS located in Fualu. The 12-kilometer of new 33-kilovolt transmission line constructed from Fualu to Popua power station will enhance scaling up renewable energy share in Tonga, while strengthening a portion of the existing 11-kilovolt transmission line will improve reliability and stability of clean electricity.



Early Warning System Project Analysis

Environment: B

Involuntary Resettlement: C

Indigenous Peoples: C



Investment Description

- Asian Development Bank (ADB)

Asian Development Fund: US\$ 1.00 million



Private Actors Description

Tonga Power Limited (TPL): a government-owned public enterprise in Tonga responsible for electricity generation, transmission, and distribution.



Contact Information

No contacts available at the time of disclosure.

ACCESS TO INFORMATION

You can submit an information request for project information at: <https://www.adb.org/forms/request-information-form>

ADB has a two-stage appeals process for requesters who believe that ADB has denied their request for information in violation of its Access to Information Policy. You can learn more about filing an appeal at: <https://www.adb.org/site/disclosure/appeals>

ACCOUNTABILITY MECHANISM OF ADB

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: <http://www.adb.org/site/accountability-mechanism/main>.



Bank Documents

- [Project Disclosure PDF](#)



Other Related Projects

- ADB-49450-001 Pacific Renewable Energy Investment Facility (formerly Pacific Renewable Energy Investment Program)
- ADB-49450-004 Pacific Renewable Energy Investment Facility (formerly Pacific Renewable Energy and Energy Efficiency)
- ADB-49450-008 Energy Access Project
- ADB-49450-005 Renewable Energy Sector Project - Additional Financing
- ADB-49450-010 Capacity Building and Sector Reform for Renewable Energy Investments in the Pacific
- ADB-49450-007 Majuro Power Network Strengthening Project
- ADB-49450-011 Energy Security Project
- ADB-49450-012 Renewable Energy Project
- ADB-49450-022 Preparing the Pacific Renewable Energy Investment Facility (Phase 2)
- ADB-49450-009 Solar Power Development Project
- ADB-49450-015 Increasing Access to Renewable Energy Project
- ADB-49450-023 Renewable Energy Development Project
- ADB-49450-021 South Tarawa Renewable Energy Project
- ADB-49450-028 Preparing Floating Solar Plus Projects under the Pacific Renewable Energy Investment Facility
- ADB-49450-035 Development of the Pacific Energy Regulators Alliance
- ADB-49450-027 Renewable Energy Development Project (additional financing)
- ADB-49450-026 Energy Security Project (additional financing)
- ADB-49450-036 Pacific Renewable Energy Investment Facility: Nuku'alofa Network Upgrade Project
- ADB-49450-038 Preparing the Pacific Renewable Energy Investment Facility, Phase 3
- ADB-49450-032 Increasing Access to Renewable Energy Project (Additional Financing) under PREIF
- ADB-49450-030 South Tarawa Renewable Energy Project (Phase 2)
- ADB-49450-042 Increasing Access to Renewable Energy Project - Second Additional Financing
- ADB-49450-037 Energy Transition Project (formerly Smart Grid Project)