Early Warning System

ADB-49450-005

Renewable Energy Sector Project - Additional Financing

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Quick Facts

Countries	Cook Islands
Specific Location	Cook Islands
Financial Institutions	Asian Development Bank (ADB), Green Climate Fund (GCF)
Status	Approved
Bank Risk Rating	B
Voting Date	2017-10-30
Borrower	Government of Cook Islands
Sectors	Energy
Project Cost (USD)	$ 12.00 million

Project Description

The proposed second additional financing will leverage battery storage to facilitate expansion of solar PV-based generation systems in Rarotonga, thereby helping reduce fossil fuel consumption and enhance the level of energy security on the island. The additional GCF grant, with the additional contribution from the government of $1.71 million, will increase the overall project investment from the current $29.85 million to $43.56 million.

The Project has two outputs: (i) two-phased construction of solar photovoltaic (PV) power and/or energy storage systems on Mangaia, Mitiaro, Mauke and Atiu (Phase 1), Rarotonga and Aitutaki (Phase 2); and (ii) to provide institutional strengthening to the Cook Islands Renewable Energy Development Division (REDD). The Phase 1 subprojects will install a total of 1,246 kW of solar PV systems with battery storage. The systems at Mitiaro and Mauke will include new high speed diesel generators whilst the more modern existing diesel power stations on Mangaia and Atiu will be retained. The upgrade of the electricity distribution system is also included for all but the Atiu subproject. The Phase 2 subprojects include the installation of an additional 1,000 kW solar PV system on Aitutaki together with a new 300 kW high speed diesel and battery storage. On Rarotonga, it is the initial installation of a 1 MW, 4 MWh Battery Energy Storage System (BESS) to be complemented by a second stage of additional battery storage (R-ESS-2) with a capacity of 3 MW / 12 MWh.

Investment Description

- Asian Development Bank (ADB)
- Green Climate Fund (GCF)

Funded by Green Climate Fund

Contact Information

Ministry of Finance & Economic Management
PO box 120
Cook Islands

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 [Original Source]
- Renewable Energy Sector Project (Additional Financing): Gender Action Plan [Original Source]
- Renewable Energy Sector Project (Additional Financing): Initial Environmental Examination [Original Source]
- Renewable Energy Sector Project (Additional Financing): Social Due Diligence Report [Original Source]

Other Related Projects

- ADB-49450-009 Solar Power Development Project
- ADB-49450-036 Pacific Renewable Energy Investment Facility: Nuku'alofa Network Upgrade Project
- ADB-49450-032 Increasing Access to Renewable Energy Project (Additional Financing) under PREIF
- ADB-49450-030 South Tarawa Renewable Energy Project (Phase 2)
- ADB-49450-043 Grid Enhancement for Sustainable Energy Transition (formerly Grid Strengthening Project)
- ADB-49450-042 Increasing Access to Renewable Energy Project - Second Additional Financing
- ADB-49450-037 Energy Transition Project (formerly Smart Grid Project)
- ADB-49450-041 Climate-Resilient Energy and Water Sector Project
- ADB-49450-040 Energy Transition Project