



# Tonga: Renewable Energy Project

Project Name	Renewable Energy Project												
Project Number	49450-012												
Country	Tonga												
Project Status	Approved												
Project Type / Modality of Assistance	Grant												
Source of Funding / Amount	<table border="1"> <tr> <td>Grant 0640-TON: Pacific Renewable Energy Investment Facility</td> <td></td> </tr> <tr> <td>concessional ordinary capital resources lending / Asian Development Fund</td> <td>US\$ 12.20 million</td> </tr> <tr> <td>Grant 0641-TON: Pacific Renewable Energy Investment Facility</td> <td></td> </tr> <tr> <td>Green Climate Fund</td> <td>US\$ 29.90 million</td> </tr> <tr> <td>Grant 0642-TON: Pacific Renewable Energy Investment Facility</td> <td></td> </tr> <tr> <td>Government of Australia</td> <td>US\$ 2.50 million</td> </tr> </table>	Grant 0640-TON: Pacific Renewable Energy Investment Facility		concessional ordinary capital resources lending / Asian Development Fund	US\$ 12.20 million	Grant 0641-TON: Pacific Renewable Energy Investment Facility		Green Climate Fund	US\$ 29.90 million	Grant 0642-TON: Pacific Renewable Energy Investment Facility		Government of Australia	US\$ 2.50 million
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Strategic Agendas	Environmentally sustainable growth Inclusive economic growth												
Drivers of Change	Knowledge solutions Partnerships Private sector development												
Sector / Subsector	Energy - Electricity transmission and distribution - Renewable energy generation - solar												
Gender Equity and Mainstreaming	Effective gender mainstreaming												
Description	This proposed Tonga Renewable Energy Project (TREP) is the second project to be submitted under the Pacific Islands Renewable Energy Investment Program (PIREIP, FP036). PIREIP will help seven Pacific island countries transition to a renewable energy future. PIREIP's objective is to transform energy use and electricity production sectors across the Pacific to low carbon, climate resilient pathways. PIREIP's outcome will be expanded access to clean, resilient and affordable energy.												
Project Rationale and Linkage to Country/Regional Strategy	TREP will make a major contribution to Tonga's NDC target of generating 50% of electricity from renewables by 2020 and help Tonga builds momentum to reach 70% by 2030. TREP-financed generation technologies in the outer islands will directly generate about 3% of additional clean electricity. BESS to be installed under TREP will allow an increase in renewable energy generation by about 7.8 MW (4 MW solar PV and 3.8 MW wind power to be funded by the private sector), which will enable Tonga to increase their renewable energy penetration by 24% without negatively affecting the grid.												
Impact	Reduced Tonga's dependency on imported fossil fuel for power generation												

Project Outcome	
Description of Outcome	Expanded access to clean, resilient and affordable energy for the population in Tonga at a lower cost
Progress Toward Outcome	
Implementation Progress	
Description of Project Outputs	Battery Energy storage system (BESS) facilities on Tongatapu installed Grid-connected renewable energy generation on 'Eua and Vava'u installed Renewable-based hybrid systems and mini-grids on outer-Islands installed Strengthening of capacity building installed
Status of Implementation Progress (Outputs, Activities, and Issues)	
Geographical Location	Nation-wide

Safeguard Categories	
Environment	B
Involuntary Resettlement	B
Indigenous Peoples	C

Summary of Environmental and Social Aspects	
Environmental Aspects	
Involuntary Resettlement	
Indigenous Peoples	
Stakeholder Communication, Participation, and Consultation	
During Project Design	
During Project Implementation	

Responsible ADB Officer	Lee, Woo Yul
Responsible ADB Department	Pacific Department
Responsible ADB Division	PAEN
Executing Agencies	Ministry of Finance and National Planning Vuna Road Nuku'alofa Kingdom of Tonga Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change, and Communications (MEIDECC) OG Sanft Building Corner of Taufa'ahau Road and Wellington Road, Nuku'alofa, Tonga Tonga Power Limited P.O. Box 429, Nuku'alofa, Tonga

Timetable	
Concept Clearance	-
Fact Finding	30 Jul 2018 to 03 Aug 2018
MRM	22 Jan 2019
Approval	11 Mar 2019
Last Review Mission	-
Last PDS Update	14 Mar 2019

## Grant 0640-TON

Financing Plan		Grant Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	17.80	Cumulative Contract Awards			
ADB	12.20	-	0.00	0.00	%
Counterpart	5.60	Cumulative Disbursements			
Cofinancing	0.00	-	0.00	0.00	%

## Grant 0641-TON

Financing Plan		Grant Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	29.90	Cumulative Contract Awards			
ADB	0.00	-	0.00	0.00	%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	29.90	-	0.00	0.00	%

## Grant 0642-TON

Financing Plan		Grant Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	5.50	Cumulative Contract Awards			
ADB	0.00	-	0.00	0.00	%
Counterpart	3.00	Cumulative Disbursements			
Cofinancing	2.50	-	0.00	0.00	%

Project Page	<a href="https://www.adb.org/projects/49450-012/main">https://www.adb.org/projects/49450-012/main</a>
Request for Information	<a href="http://www.adb.org/forms/request-information-form?subject=49450-012">http://www.adb.org/forms/request-information-form?subject=49450-012</a>
Date Generated	16 March 2019

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