



Pacific Resilience Program (P154840)

EAST ASIA AND PACIFIC | Tonga | Urban, Resilience and Land Global Practice |
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 16 | ARCHIVED on 28-Apr-2023 | ISR55640 |

Implementing Agencies: Kingdom of Tonga, Ministry of Environment, Energy, Climate Change, Disaster Mgmt, Meteorology, Information and Comms

Key Dates**Key Project Dates**

Bank Approval Date: 19-Jun-2015

Effectiveness Date: 18-Sep-2015

Planned Mid Term Review Date: 29-Mar-2019

Actual Mid-Term Review Date: 25-Mar-2019

Original Closing Date: 30-Nov-2020

Revised Closing Date: 30-Apr-2025

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the Project is to strengthen early warning, resilient investments and financial protection of Tonga.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name

Component 1: Strengthening Early Warning and Preparedness:(Cost \$15.74 M)

Component 2: Risk Reduction and Resilient Investments:(Cost \$15.50 M)

Component 3: Disaster Risk Financing:(Cost \$5.40 M)

Component 4: Project Management:(Cost \$2.25 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

The project is making progress towards strengthening early warning systems, with an AM transmitter tower now commissioned, and works complete at the two Emergency Operation Centers (EOCs) in Ha'apai and Vava'u (Component 1). All works in schools, including classrooms and WASH are now complete (Component 2).

**Risks****Systematic Operations Risk-rating Tool**

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	☐ Moderate	☐ Low
Macroeconomic	☐ Moderate	☐ Moderate	☐ Moderate
Sector Strategies and Policies	☐ Substantial	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Substantial	☐ Moderate	☐ Substantial
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Substantial	☐ Moderate	☐ Moderate
Environment and Social	☐ Moderate	☐ Moderate	☐ Moderate
Stakeholders	☐ Moderate	☐ Moderate	☐ Low
Other	--	☐ Substantial	☐ Moderate
Overall	☐ Substantial	☐ Moderate	☐ Moderate

Results**PDO Indicators by Objectives / Outcomes**

Strengthen early warning				
▶ Direct Beneficiaries of enhanced Multi-Hazard Early Warning System (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	24,000.00	25,000.00	25,000.00	73,500.00
Date	19-Jun-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
Comments:	With the additional strengthening of Early Warning Systems under Component 1, the next step will be developing clearer/improved warning messages and training the public on how to understand and act on them. The end target - with the virtual meetings, and continued knowledge sharing using virtual platforms - remains achievable.			
☐ Female beneficiaries of enhanced Multi-Hazard Early Warning System (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	9,600.00	12,765.00	12,765.00	29,400.00
Date	19-Jun-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
Strengthen resilient investments				



► School children to benefit from increased resilience to their school (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	9,026.00	9,026.00	9,000.00
Date	12-Feb-2018	27-Jul-2022	21-Apr-2023	31-Oct-2023
Comments:	A total of 9,026 students have benefited from the completed works across 27 schools (25 with rebuilt/repared/retrofitted classrooms and two schools with only WASH facilities).			

Strengthen financial protection of Tonga				
► Government of Tonga received payment within a month of the occurrence of a covered (insurance) event. (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	19-Jun-2015	27-Jul-2022	21-Apr-2023	31-Oct-2023
Comments:	Two payments have been made under the scheme, both of which were issued within one month of the event.			
► Time taken to trigger the contingency emergency response component (CERC) for an eligible emergency (Weeks, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	6.00
Date	19-Jun-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
Comments:	The CERC has been triggered once during the life of the project thus far (following Tropical Cyclone Gita in February 2018). The target of six weeks was met.			

Intermediate Results Indicators by Components

Component 1: Strengthening Early Warning and Preparedness				
► Number of TMD/NEMO/NRD staff trained to support the MHEWS (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	28.00	35.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
► MHEWS Policy developed and adopted (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes



Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
► Number of Early Warning dissemination systems developed and operational (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	06-Aug-2015	27-Apr-2022	21-Apr-2023	30-Apr-2025
► Number of climate and disaster resilient emergency operations centres are established to support warning and emergency operations on Tongatapu and Outer Islands (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	3.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
Comments:	Climate and disaster resilient emergency operations centers have been completed in Ha'apai and Vava'u. Bidding documents for the center on Tongatapu were submitted for No Objection on April 19, 2023.			
► Number of seismic and volcano observation stations established to support MHEWS (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
► Number of Impact-based forecasting and warning systems products established and delivered to users (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
► Number of people who have received IBFWs Products and Services Awareness programs (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5,000.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
► Number of participants in annual emergency drills (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10,000.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025

Component 2: Risk Reduction and Resilient Investments



▶ Number of school buildings rebuilt to improved resilience standards (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	54.00	54.00	50.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	31-Oct-2023
Comments:	The project has exceeded the target with 33 classroom buildings (88 classrooms) completed and 21 WASH facilities completed.			
▶ Number of school buildings repaired or retrofitted to improved resilience standards (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10.00	10.00	10.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	31-Oct-2023
Comments:	The target of 10 schools building repaired and strengthened to improved resilience standards has been met. The 10 buildings include 37 upgraded classrooms			
▶ Schools with gender appropriate resilient WASH facilities (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	12-Feb-2018	27-Jul-2022	21-Apr-2023	31-Oct-2023
Comments:	The target has been met. New WASH facilities have been delivered for 21 schools, in keeping with the schools identified by the Design Firm analysis on schools which required upgrades to their WASH facilities.			
▶ Principals and/or head teachers of project schools that feel project investments reflect their needs (of which 50% are female) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	84.00	84.00	80.00
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	30-Apr-2025
Comments:	Beneficiary Assessment Survey was undertaken in June 2022			

Component 3: Disaster Risk Financing

▶ The premiums are lower than the simulated price for a comparable coverage purchased individually in the market (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	06-Aug-2015	27-Jul-2022	21-Apr-2023	31-Oct-2023
Comments:	The target has been met. Total premium payment is US\$ 590,000, to provide coverage totaling US\$ 6 million.			



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Component 4: Project Management

► Issues and complaints raised in the project's feedback and grievance redress mechanism addressed within 21 calendar days (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	75.00	75.00	100.00	75.00
Date	30-Apr-2022	27-Jul-2022	21-Apr-2023	30-Apr-2025
Comments:	25 grievances relating to school works (primarily related to defects, rectified under the defects liability period) were reported during July-Dec 2022, all of which were rectified in less than 21 days.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P154840	IDA-56890	Effective	USD	8.25	8.25	0.00	3.67	4.50	45%
P154840	IDA-D0780	Effective	USD	2.25	2.25	0.00	2.40	0.00	100%
P154840	IDA-D3590	Effective	USD	14.95	14.95	0.00	14.83	0.00	100%
P154840	IDA-E0570	Effective	USD	5.00	5.00	0.00	0.43	4.69	8.3%
P156334	TF-A0900	Effective	USD	4.58	4.58	0.00	1.25	3.33	27%
P154840	TF-A1232	Closed	USD	1.50	1.50	0.00	1.50	0.00	100%
P154840	TF-A7818	Effective	USD	1.96	1.96	0.00	1.93	0.03	99%

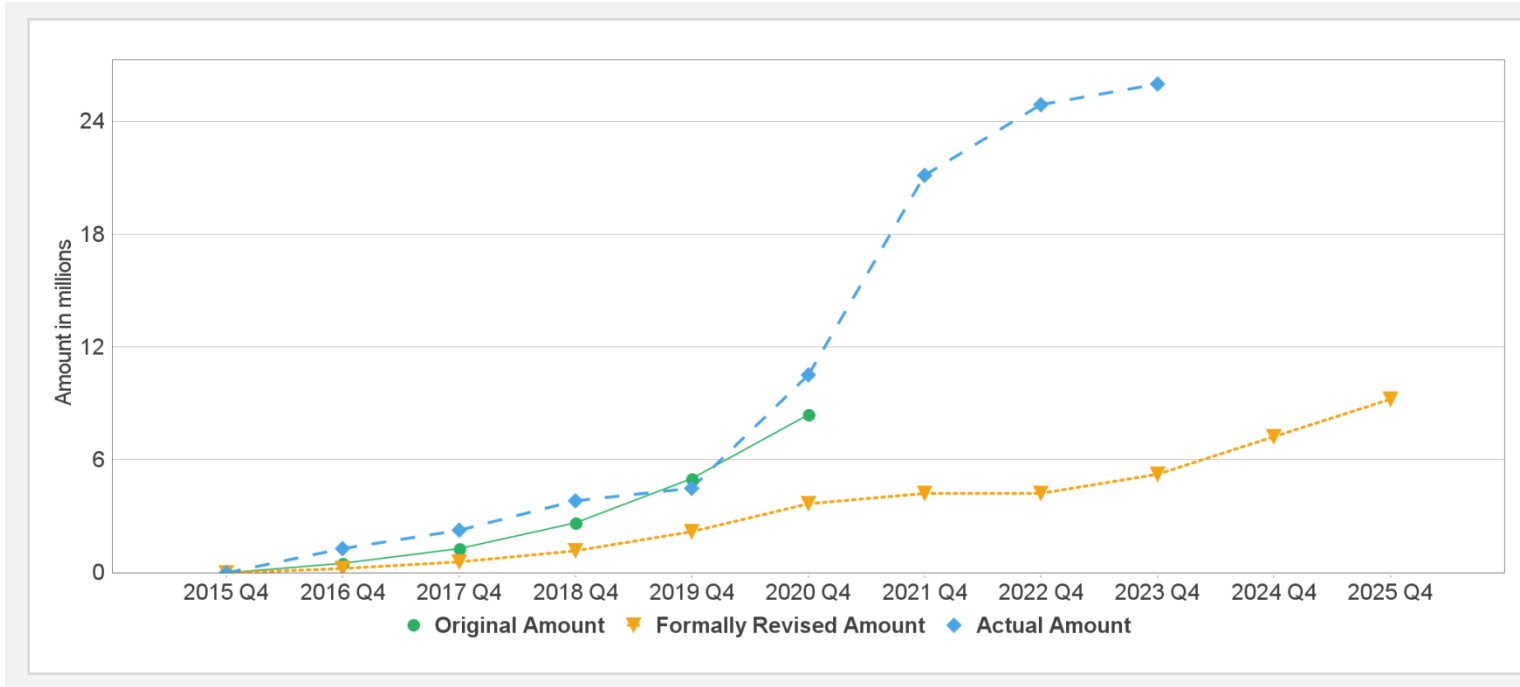
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P154840	IDA-56890	Effective	19-Jun-2015	30-Jun-2015	18-Sep-2015	30-Nov-2020	30-Apr-2025
P154840	IDA-D0780	Effective	19-Jun-2015	30-Jun-2015	18-Sep-2015	30-Nov-2020	30-Apr-2025
P154840	IDA-D3590	Effective	18-Jul-2018	16-Aug-2018	17-Oct-2018	31-Oct-2023	30-Apr-2025
P154840	IDA-E0570	Effective	24-Jun-2022	12-Sep-2022	26-Oct-2022	30-Apr-2025	30-Apr-2025
P156334	TF-A0900	Effective	19-Jun-2015	18-Nov-2015	09-Dec-2015	30-Nov-2020	30-Apr-2025



P154840	TF-A1232	Closed	19-Jun-2015	18-Nov-2015	09-Dec-2015	30-Jun-2020	30-Jun-2020
P154840	TF-A7818	Effective	18-Jul-2018	16-Aug-2018	17-Oct-2018	31-Oct-2023	31-Oct-2023

Cumulative Disbursements



Restructuring History

Level 2 Approved on 05-Oct-2017 ,Level 2 Approved on 24-Sep-2020 ,Level 2 Approved on 26-Oct-2022

Related Project(s)

P156334-Pacific Resilience Program ,P167166-Additional Financing for the Pacific Resilience Project under the Pacific Resilience Program ,P178847-Additional Financing to the Pacific Resilience Project in Tonga ,P178848-Additional Financing to the Pacific Resilience Project in Tonga