

Pacific Resilience Program (P154840)

EAST ASIA AND PACIFIC | Tonga | Urban, Resilience and Land Global Practice | IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 18 | ARCHIVED on 19-Feb-2024 | ISR59784 |

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

Public Disclosure Copy

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	Moderately Satisfactory	Moderately Satisfactory
Overall Implementation Progress (IP)	Moderately Satisfactory	Moderately Satisfactory
Overall Risk Rating	Moderate	Moderate

Implementation Status and Key Decisions

The project is making good progress towards strengthening early warning systems with the two Emergency Operation Centers (EOCs) in Ha'apai and Vava'u complete and operational, and other key activities to support Multi Hazard Early Warning Systems well advanced. All works in schools, including classrooms and Water, Sanitation, and Hygiene facilities are now complete. All payments have been made for the Annual Disaster Insurance premiums.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Strengthen early warnir	ig			
► Direct Beneficiaries	of enhanced Multi-Hazard Early	y Warning System (Number, Cu	stom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	24,000.00	25,000.00	25,000.00	73,500.00
Date	19-Jun-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
		n of Tonga (105,000) which is 73 in Ha'apai and Vava'u now con	3,500. With the AM Transmi	
Comments:	Operating Centers towards putting the can be disseminate Component 1, the	n of Tonga (105,000) which is 73 in Ha'apai and Vava'u now com e infrastructure in place to ensure ed to the public. With the additi- next step will be developing cle nem. The end target remains ac	3,500. With the AM Transmi nplete, a significant milestor re that timely hazard forecas onal strengthening of Early arer/improved warning mes	itter and two Emergency he has been achieved sts and warning messages Warning Systems under
Comments:	Operating Centers towards putting the can be disseminate Component 1, the on how to act on th	in Ha'apai and Vava'u now con e infrastructure in place to ensure ed to the public. With the additi- next step will be developing cle	3,500. With the AM Transmi nplete, a significant milestor e that timely hazard forecas onal strengthening of Early arer/improved warning mes- hievable.	itter and two Emergency he has been achieved sts and warning messages Warning Systems under
	Operating Centers towards putting the can be disseminate Component 1, the on how to act on th	in Ha'apai and Vava'u now con e infrastructure in place to ensur ed to the public. With the additi next step will be developing cle nem. The end target remains ac	3,500. With the AM Transmi nplete, a significant milestor e that timely hazard forecas onal strengthening of Early arer/improved warning mes- hievable.	itter and two Emergency he has been achieved sts and warning messages Warning Systems under
	Operating Centers towards putting the can be disseminate Component 1, the on how to act on the es of enhanced Multi-Hazard Ea	in Ha'apai and Vava'u now con e infrastructure in place to ensure ed to the public. With the additi- next step will be developing cle nem. The end target remains ac arly Warning System (Number,	3,500. With the AM Transmi nplete, a significant milestor re that timely hazard forecas onal strengthening of Early arer/improved warning mes- hievable. Custom Breakdown)	itter and two Emergency he has been achieved sts and warning messages Warning Systems under sages and training the publ



_	stments			
School children to be	nefit from increased resilience	to their school (Number, Custon	ו)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	9,026.00	9,026.00	9,000.00
Date	12-Feb-2018	22-Jun-2023	02-Feb-2024	31-Oct-2023
Comments:	the completed work only WASH facilities	e in schools and WASH facilities as in 27 schools (25 with rebuilt/ s). This figure is based on the to on completion of the works.	repaired/retrofitted classroo	ms and two schools with
Contemption financial prof	ů	onth of the occurrence of a cove	red (insurance) event. (Per	centage, Custom)
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	19-Jun-2015	22-Jun-2023	02-Feb-2024	31-Oct-2023
Comments:		outs have been provided under No insured events occurred du		
► Time taken to trigger	the contingency emergency res	sponse component (CERC) for a	an eligible emergency (Wee	eks, Custom)
► Time taken to trigger	the contingency emergency res Baseline	sponse component (CERC) for a Actual (Previous)	an eligible emergency (Wee Actual (Current)	eks, Custom) End Target
		,		
 Time taken to trigger Value Date 	Baseline	Actual (Previous)	Actual (Current)	End Target

Intermediate Results Indicators by Components

Component 1: Strengthe	ning Early Warning and Prepar	edness		
► Number of TMD/NEM	O/NRD staff trained to support t	the MHEWS (Number, Custom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	37.00	37.00	35.00
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
Comments:		m TMD, NEMO and NRD have vith the PMU's Training Plan.	been trained to date to su	pport the MHEWS. These



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
Comments:	The MHEWS Policy	is currently being developed by	y TMS and is expected to b	e adopted by project close.
►Number of Early Wa	rning dissemination systems dev	veloped and operational (Numb	er, Custom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1.00	3.00
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
Comments:	Component 1. The	s to Early Warning disseminatic marine coast radio system, AM n are examples of systems whic	transmitter, cell broadcasti	ng system and TV
	nd disaster resilient emergency (slands (Number, Custom)	operations centres are establish	ned to support warning and	emergency operations on
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	0.00	2.00	2.00	3.00
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
Comments:		r resilient emergency operation documents were released to the		
►Number of seismic a	and volcano observation stations	established to support MHEWS	S (Number, Custom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	0.00	0.00	0.00	8.00
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
Date			vation stations established	under Component 1. The
Comments:	project intends esta	s to seismic and volcano obser- blish five seismic stations, one v sunamis (i.e., a total of eight sta	volcano station and two tide	
Comments:	project intends esta observations from te	blish five seismic stations, one sumamis (i.e., a total of eight sta	volcano station and two tide tions). The end target is ex	pected to be met by project
Comments:	project intends esta observations from te close.	blish five seismic stations, one sumamis (i.e., a total of eight sta	volcano station and two tide tions). The end target is ex	pected to be met by project
Comments:	project intends esta observations from ts close. ased forecasting and warning sy	blish five seismic stations, one sunamis (i.e., a total of eight sta	volcano station and two tide tions). The end target is ex d delivered to users (Numbe	pected to be met by project er, Custom)
Comments: ► Number of Impact-ba	project intends esta observations from ts close. ased forecasting and warning sy Baseline	blish five seismic stations, one sunamis (i.e., a total of eight sta stems products established and Actual (Previous)	volcano station and two tide tions). The end target is ex d delivered to users (Numbe Actual (Current)	pected to be met by project er, Custom) End Target

Number of people w	ho have received IBFWs Produc	ts and Services Awareness pro	grams (Number, Custom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5,000.00
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
Comments:	to raise awareness of	ducts have been procured, TMS of these services in the commur the end target of 5,000 people i	nity. The intended reach is	the entire population (i.e.,
Number of participation	nts in annual emergency drills (N	umber, Custom)		
	Baseline	Actual (Previous)	Actual (Current)	End Target
		0.00	0.00	10,000.00
Value	0.00	0.00		
Value Date	0.00 06-Aug-2015	0.00 22-Jun-2023	02-Feb-2024	30-Apr-2025

Component 2: Risk Rec	luction and Resilient Investment	ts			
► Number of school bu	ildings rebuilt to improved resile	ence standards (Number, Custor	n)		
	Baseline	Actual (Previous)	Actual (Current)	End Target	
Value	0.00	54.00	54.00	50.00	
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	31-Oct-2023	
Comments:	The project has exceeded the target with 33 classroom buildings (88 classrooms) completed and 21 WASH facilities completed.				
commento.	WASH lacinities con	npieted.			
		improved resilience standards (Number, Custom)		
			Number, Custom) Actual (Current)	End Target	
► Number of school bu	ildings repaired or retrofitted to	improved resilience standards (. ,	End Target 10.00	
Number of school bu Value	ildings repaired or retrofitted to Baseline	improved resilience standards (Actual (Previous)	Actual (Current)		
► Number of school bu Value Date	ildings repaired or retrofitted to Baseline 0.00 06-Aug-2015 The target of 10 sch	improved resilience standards (Actual (Previous) 10.00	Actual (Current) 10.00 02-Feb-2024 engthened to improved resi	10.00 31-Oct-2023	
► Number of school bu Value Date Comments:	ildings repaired or retrofitted to Baseline 0.00 06-Aug-2015 The target of 10 sch	improved resilience standards (Actual (Previous) 10.00 22-Jun-2023 hools buildings repaired and stre gs include 37 upgraded classroo	Actual (Current) 10.00 02-Feb-2024 engthened to improved resi	10.00 31-Oct-2023	



Feb-2018 e target has been met. Ne lools identified by the Des ilities.	100.00 22-Jun-2023 ew WASH facilities have bee sign Firm analysis on school	s which required upgrades	s to their WASH
e target has been met. Ne nools identified by the Des ilities.	ew WASH facilities have bee sign Firm analysis on school	en delivered for 21 schools s which required upgrades	s, in keeping with the sto their WASH
nools identified by the Des ilities.	sign Firm analysis on school	s which required upgrades	s to their WASH
project schools that feel p	project investments reflect the	eir needs (of which 50% ar	e female) (Percentage
seline	Actual (Previous)	Actual (Current)	End Target
0	86.00	86.00	80.00
Aug-2015	22-Jun-2023	02-Feb-2024	30-Apr-2025
	rvevs have been completed		ercent of all respondent
	5	eficiary Assessment Surveys have been completed	reficiary Assessment Surveys have been completed for all schools and 86% pe cated that the project investments reflected their needs.

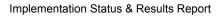
Component 3: Disaster	Risk Financing			
► The premiums are lo	wer than the simulated price for	a comparable coverage purcha	ased individually in the mar	ket (Yes/No, Custom)
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	06-Aug-2015	22-Jun-2023	02-Feb-2024	31-Oct-2023
Comments:		net. Total premium payment i er than the simulated price for a		

Component 4: Project Ma	nagement			
► Issues and complaints Custom)	raised in the project's feedbac	k and grievance redress mecha	anism addressed within 21	calendar days (Percentage,
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	75.00	100.00	100.00	75.00
Date	30-Apr-2022	22-Jun-2023	02-Feb-2024	30-Apr-2025
Comments:	Zero grievances wer	e received during the period Ja	in-July 2023.	

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

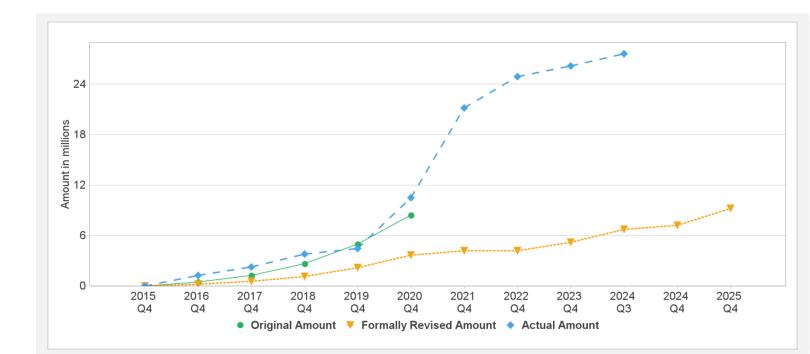




Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	%	Disbursed	
P154840	IDA-56890	Effective	USD	8.25	8.25	0.00	4.20	4.00		51%	
P154840	IDA-D0780	Effective	USD	2.25	2.25	0.00	2.40	0.00		100%	
P154840	IDA-D3590	Effective	USD	14.95	14.95	0.00	14.83	0.00		100%	
P154840	IDA-E0570	Effective	USD	5.00	5.00	0.00	0.49	4.61		9.6%	
P156334	TF-A0900	Effective	USD	4.58	4.58	0.00	2.21	2.37		48%	
P154840	TF-A1232	Closed	USD	1.50	1.50	0.00	1.50	0.00		100%	
P154840	TF-A7818	Closed	USD	1.96	1.96	0.00	1.96	0.00		100%	
Key Dates (by Ioan)											
Project	Loan/Credit/TF	Status	Approval Date	e Signi	ing Date	Effectiveness D	ctiveness Date Orig. Closing Date		Rev. Closing Date		
P154840	IDA-56890	Effective	19-Jun-2015	30-Jı	un-2015	18-Sep-2015	30-Nov	30-Nov-2020		30-Apr-2025	
P154840	IDA-D0780	Effective	19-Jun-2015	30-Jı	un-2015	18-Sep-2015	30-Nov	30-Nov-2020		30-Apr-2025	
P154840	IDA-D3590	Effective	18-Jul-2018	16-A	ug-2018	17-Oct-2018	31-Oct	31-Oct-2023		30-Apr-2025	
P154840	IDA-E0570	Effective	24-Jun-2022	12-Se	ep-2022	26-Oct-2022	30-Apr	-2025	30-Apr-2025		
P156334	TF-A0900	Effective	19-Jun-2015	18-N	lov-2015	09-Dec-2015	30-Nov	/-2020	30-Apr-2025		
P154840	TF-A1232	Closed	19-Jun-2015	18-N	lov-2015	09-Dec-2015	30-Jun	-2020	30-Jun-2020		
P154840	TF-A7818	Closed	18-Jul-2018	16-Aı	ug-2018	17-Oct-2018	31-Oct	-2023	31-Oct-2023		

Cumulative Disbursements

The World Bank Pacific Resilience Program (P154840)



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