



Regional Disaster Vulnerability Reduction APL1 - Grenada and St. Vincent and the Grenadines (P117871)

LATIN AMERICA AND CARIBBEAN | OECS Countries | Urban, Resilience and Land Global Practice |
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 18 | ARCHIVED on 22-Dec-2021 | ISR49541 |

Implementing Agencies: Ministry of Finance, Economic Planning, and Information Technology, Government of Grenada, Government of St. Vincent and the Grenadines, Ministry Infrastructure Development, Public Utilities, Energy, Transport and Implementation

Key Dates**Key Project Dates**

Bank Approval Date: 23-Jun-2011

Effectiveness Date: 18-Oct-2011

Planned Mid Term Review Date: 15-May-2014

Actual Mid-Term Review Date: 19-May-2014

Original Closing Date: 31-Dec-2016

Revised Closing Date: 31-Jan-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Program aims at measurably reducing vulnerability to natural hazards and climate change impacts in the Eastern Caribbean Sub-region. The objective of the Project in Grenada is to measurably reduce vulnerability to natural hazards and climate change impacts in Grenada and in the Eastern Caribbean Sub-region. The objective of the Project in Saint Vincent and the Grenadines is to measurably reduce vulnerability to natural hazards and climate change impacts in Saint Vincent and the Grenadines and in the Eastern Caribbean Sub-region. The achievement of the Program Development Objectives of the Regional Disaster Vulnerability Reduction Program (RDVRP) would be measured using the following key indicators: (a) Reduced risk of OECS population to failure of public buildings and infrastructure due to natural hazards or climate change impacts; and (b) Increased capacity of OECS Governments to identify and monitor climate risk and impacts.

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

No

Components Table

Name

Component 1 - Prevention and Adaptation Investments:(Cost \$54.23 M)

Component 2 - Regional Platforms for Hazard and Risk Evaluation, and Applications for Improved Decision Making:(Cost \$40.82 M)

Component 3 - Natural Disaster Response Investments:(Cost \$1.00 M)

Component 4 - Project Management and Implementation Support:(Cost \$5.26 M)

Payment of CCRIF Insurance Premium:(Cost \$2.00 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**

St. Vincent and the Grenadines. The Project has been critical in supporting the emergency response following the La Soufriere volcano eruption. The Project is expected to be satisfactorily completed by January 31, 2022.

Grenada. The Project has contributed towards building resilience to disaster and climate risks by strengthening infrastructure and building technical and institutional capacity. The Project closed on June 30, 2021.

Risks**Systematic Operations Risk-rating Tool**

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Macroeconomic	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Sector Strategies and Policies	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Technical Design of Project or Program	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Fiduciary	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Other	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Overall	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Results**PDO Indicators by Objectives / Outcomes**

Reduce vulnerability to natural hazards and climate change impacts in Grenada, SVG and EC				
▶ Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	110,000.00	110,000.00	110,000.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
☐ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	49.00	49.00	49.00



► Number of beneficiaries with reduced risk to failure of public buildings and infrastructure due to natural hazards or climate change impacts in SVG and Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,093.00	1,093.00	764.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	This indicator is fully achieved.			
☐ Relocated low income households with access to safe infrastructure addressed under the Project (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	41.00	41.00	41.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
☐ Number of beneficiaries with reduced risk to failure of public buildings due to natural hazards or climate change impacts in SVG (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	445.00	445.00	320.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
► Number of beneficiaries with reduced risk to failure of public buildings due to natural hazards or climate change impacts in Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	444.00	444.00	444.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	This indicator has been fully achieved.			
► Number of government officials from Public Works; Agriculture; Forestry; NAWASA able to set up and run watershed analysis software (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	15.00	15.00
Date	31-Dec-2014	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	The training activities and the installation are completed and the network is fully operational.			

Intermediate Results Indicators by Components

Prevention and Adaptation Investments

► Number of beneficiaries with reduced risk to flooding in areas with flood mitigation works financed by the Project in SVG (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	425.00	1,700.00	1,700.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the works contributing to this indicator are complete.			
► Grenada's infrastructure made less vulnerable to natural hazard and climate change impacts in Project areas (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the works contributing to this indicator are complete.			
► Designs and Pre engineering/geotechnical studies completed for road protection and bridges rehabilitated under the Project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	6.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the technical inputs, designs and studies contributing to this indicator are complete.			
► Designs and Pre engineering/geotechnical studies completed for roads and bridges rehabilitated under the Project in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	54.00	54.00	27.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All studies and designs contributing to this indicator are complete.			
► Number of gallons increase of water storage capacity as a result of the Project in Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	550,000.00	550,000.00	450,000.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All works contributing to this indicator are complete.			
► Number of gabion baskets used in construction of flood mitigation works in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	13,369.00	13,369.00	8,400.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021



Comments:	It is expected that this indicator will increase with the completion of the river defense at Buccament.			
► Number of beneficiaries with reduced risk to failure of roads and bridges due to natural hazards or climate change impacts in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	27,297.00	27,297.00	32,156.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	Completion of (a) rehabilitation works at South River, Dauphine, Fenton, Green Hill; (b) river embankment protection at North River; (c) slope stabilization works at Ginger Village Road; (d) road rehabilitation works at Fireburn; and (e) bridge reconstruction at Grand Sable.			
	This indicator is expected to be fully achieved with the completion of works at Longline Road and Belle Isle, of which have been delayed as a result of the volcanic eruption.			
□ of which Female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	13,327.00	13,327.00	15,660.00
Date	17-Oct-2016	04-Jun-2021	14-Dec-2021	30-Jun-2021
► Roads rehabilitated, Rural (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.22	2.22	4.15
Date	17-Oct-2016	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	Completion of works at Ginger Village, Dauphine, Fenton, Green Hill and Fireburn. This indicator is expected to be fully achieved with the completion of works at Longline (3.5km) and Belle Isle (0.168km); both of which have been delayed as a result of the volcanic eruption.			
► Number of agriculture workers benefitting from upgraded feeder roads in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	216.00	216.00	142.00
Date	17-Oct-2016	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	This indicator is expected to increase with the completion of works at Longline.			
► Farms benefitting from upgraded access roads (acreage) in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,002.30	1,002.30	24.30
Date	17-Oct-2016	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All works contributing to this indicator are complete.			



Regional Platforms for Hazard and Risk Evaluation and Applications				
► Number of Government officials trained in forest management under the Project in Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	31-Dec-2014	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	This activity that would achieve this indicator has been cancelled due to delays resulting from the COVID-19 pandemic.			
► Increased seedling holding capacity within rehabilitated nurseries in Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50,000.00	50,000.00	50,000.00
Date	31-Dec-2014	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	The works contributing to this indicator is complete.			
► Number of Government officials trained in spatial data analysis under the Project in Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	15.00	15.00
Date	31-Dec-2014	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	The LiDAR and Historical aerial imagery training were completed October 2019.			
► Number of functional hydromet stations providing data to a shared platform in Grenada (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	36.00	36.00	35.00
Date	31-Dec-2014	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All stations are operational.			
► LiDAR mapping for the entire territory of Grenada completed and available on a shared platform (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	31-Dec-2014	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the activities contributing to this indicator are complete.			
► Public building geo spatial information collected in SVG (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	366.00	366.00	160.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the activities contributing to this indicator are complete.			
► Percentage of public buildings geo referenced in a national exposure database in SVG (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the activities contributing to this indicator are complete.			
► Country-wide Emergency Communication Network is in place (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	17-Feb-2015	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All the works contributing to this indicator are complete.			
► Increased capacity of communities to respond to disaster events (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6.00	6.00	6.00
Date	17-Dec-2013	04-Jun-2021	04-Jun-2021	30-Jun-2021
Comments:	All activities contributing to this indicator are complete.			
► Number of location specific exposure maps completed by staff trained under the Project in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	21.00	21.00	20.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021
Comments:	All activities contributing to this indicator are complete.			
► Number of Government officials who complete training on producing location specific exposure maps in SVG (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	23.00	23.00	23.00
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021



Comments: All activities contributing to this indicator are complete.

Natural Disaster Response Investments

► Operations Manual prepared and action plan of activities updated annually to ensure preparation to facilitate disbursement in the event of an emergency (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Jun-2011	04-Jun-2021	14-Dec-2021	30-Jun-2021

Comments: All activities contributing to this indicator are complete.

Payment of CCRIF Insurance Premium

► Country is eligible for insurance payment (and has received payment) in case of an insured event (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	23-Apr-2013	04-Jun-2021	14-Dec-2021	30-Jun-2021

Comments: All activities contributing to this indicator are complete.

Project Management and Implementation Support

► Percentage of activities that have incorporated a beneficiary feedback system in SVG (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	50.00
Date	17-Oct-2016	04-Jun-2021	14-Dec-2021	30-Jun-2021

Comments: All activities include a beneficiary feedback system including: public meetings, stakeholder consultations, presentation of designs to communities, media announcements (when appropriate) and the grievance redress mechanism.

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
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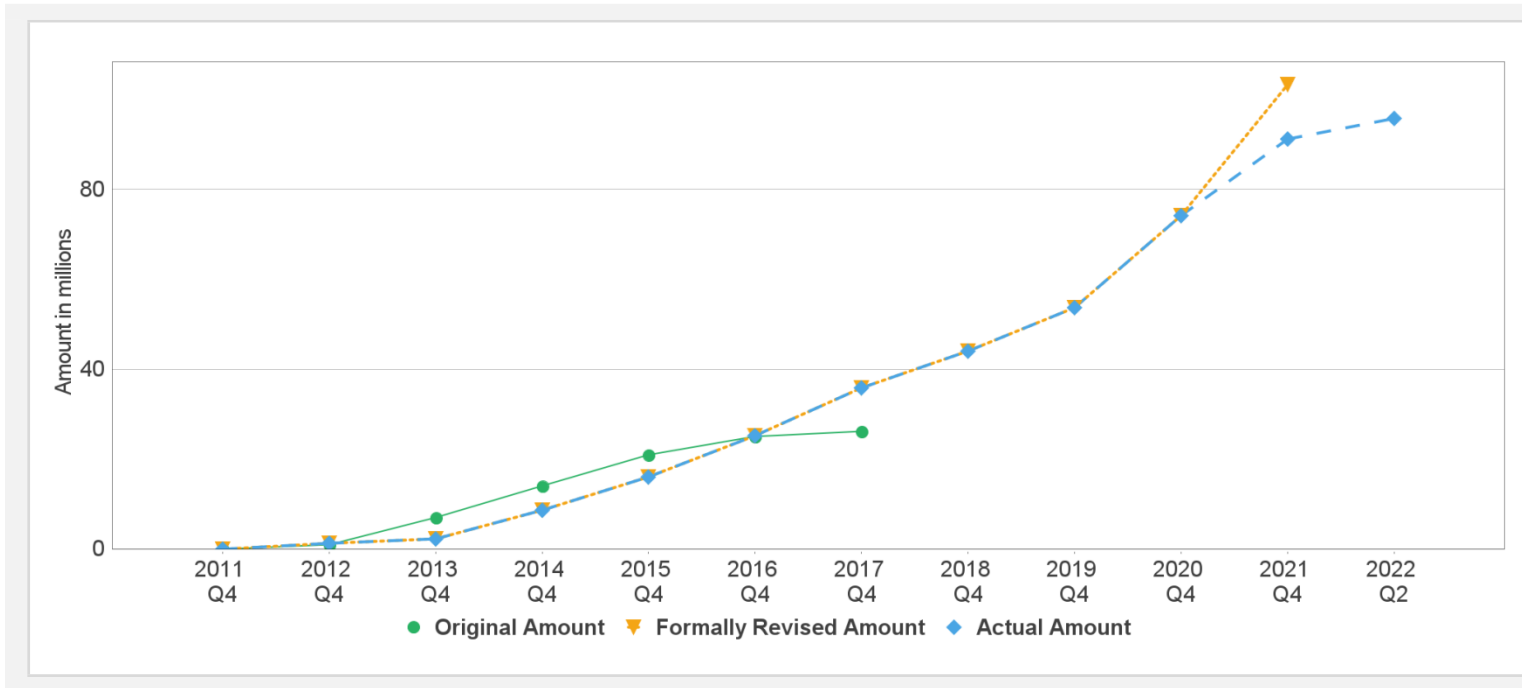


Project ID	Loan/Credit/TF	Status	Currency	Original Commitment	Disbursements	Uncommitted	Unallocated	Uncommitted + Unallocated	Progress Bar	Completion %
P117871	IDA-49850	Closed	USD	10.00	8.48	1.52	7.39	0.00	<div style="width: 100%;"></div>	100%
P117871	IDA-49860	Effective	USD	10.92	10.92	0.00	10.02	0.00	<div style="width: 100%;"></div>	100%
P117871	IDA-54500	Effective	USD	35.60	35.60	0.00	31.34	0.47	<div style="width: 99%;"></div>	99%
P117871	TF-10204	Closed	USD	8.00	8.00	0.00	8.00	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-10206	Closed	USD	7.00	7.00	0.00	7.00	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-11131	Closed	USD	8.20	8.19	0.01	8.19	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-11132	Closed	USD	3.00	3.00	0.00	3.00	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-16733	Closed	USD	5.00	5.00	0.00	5.00	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-19232	Closed	USD	5.00	5.00	0.00	5.00	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-19396	Closed	USD	3.80	3.80	0.00	3.80	0.00	<div style="width: 100%;"></div>	100%
P117871	TF-A3698	Closed	USD	7.37	7.37	0.00	7.02	0.00	<div style="width: 100%;"></div>	100%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P117871	IDA-49850	Closed	23-Jun-2011	20-Sep-2011	01-Nov-2011	31-Dec-2016	30-Jun-2021
P117871	IDA-49860	Effective	23-Jun-2011	09-Sep-2011	18-Oct-2011	31-Dec-2016	31-Jan-2022
P117871	IDA-54500	Effective	09-May-2014	14-Aug-2014	12-Nov-2014	31-Dec-2018	31-Jan-2022
P117871	TF-10204	Closed	20-Sep-2011	20-Sep-2011	01-Nov-2011	31-Dec-2016	31-Dec-2018
P117871	TF-10206	Closed	09-Sep-2011	09-Sep-2011	18-Oct-2011	31-Dec-2016	31-Dec-2018
P117871	TF-11131	Closed	23-Jun-2011	20-Sep-2011	01-Nov-2011	31-Dec-2016	30-Jun-2021
P117871	TF-11132	Closed	23-Jun-2011	09-Sep-2011	18-Oct-2011	31-Dec-2016	31-Dec-2020
P117871	TF-16733	Closed	14-Aug-2014	14-Aug-2014	12-Nov-2014	31-Dec-2018	31-Dec-2020
P117871	TF-19232	Closed	08-Jun-2015	12-Aug-2015	10-Nov-2015	31-Dec-2018	31-Dec-2018
P117871	TF-19396	Closed	08-Jun-2015	12-Aug-2015	10-Nov-2015	31-Dec-2018	30-Jun-2021
P117871	TF-A3698	Closed	16-May-2017	16-May-2017	31-Jul-2017	31-Dec-2018	30-Dec-2020

Cumulative Disbursements



Restructuring History

Level 1 Approved on 08-May-2012 ,Level 2 Approved on 25-Jun-2012 ,Level 2 Approved on 31-May-2013 ,Level 2 Approved on 10-Aug-2015 ,Level 1 Approved on 08-Feb-2017 ,Level 2 Approved on 10-Dec-2018 ,Level 2 Approved on 03-Dec-2020 ,Level 2 Approved on 28-Jun-2021

Related Project(s)

P146768-Regional Disaster Vulnerability Reduction Project (Additional Finance) ,P149259-Regional Disaster Vulnerability Reduction Project (Additional Finance) ,P157918-St. Vincent and the Grenadines RDVRP AF