



Sint Maarten Emergency Debris Management Project (P167347)

LATIN AMERICA AND CARIBBEAN | St Maarten | Urban, Resilience and Land Global Practice |
Recipient Executed Activities | Investment Project Financing | FY 2019 | Seq No: 3 | ARCHIVED on 26-Jun-2020 | ISR41176 |

Implementing Agencies: Ministry of General Affairs, Government of Sint Maarten, National Recovery Program Bureau

Key Dates**Key Project Dates**

Bank Approval Date: 20-Dec-2018

Effectiveness Date: 31-Jan-2019

Planned Mid Term Review Date: --

Actual Mid-Term Review Date:

Original Closing Date: 30-Sep-2022

Revised Closing Date: 30-Sep-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To manage debris from the hurricane and reconstruction activities to facilitate recovery and reduce risks.

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

No

Components Table

Name

Debris Clearance and Management:(Cost \$22.00 M)

Technical Assistance:(Cost \$2.50 M)

Project Management and Implementation Support:(Cost \$0.50 M)

Overall Ratings

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

Implementation Status and Key Decisions

NRPB-VR0MI-World Bank hosted a Joint Workshop on Fire Suppression, Landfill Operation, and Solid Waste Management on January 28-29, 2020, to review the evolving ground situation in Municipal Solid Waste (MSW) Landfill and Irma Disposal Site (IDS) and revisit fire suppression and landfill management improvement approaches. As agreed during the Workshop, the project approaches will undergo a major shift in response to the evolving ground situation. More risk mitigation measures will be introduced to allow landfill improvement activities to start in a designated area with applicable health and safeguards measures in place while the resettlement is advancing in parallel. The community exposed to immediate risk of slope failure will be prioritized for resettlement.

For planned activities, the application of Alternative Daily Cover (ADC) has resulted in better fire control and continuous effort is made to improve daily waste management in landfills. The procurement processes for the work of ship salvaging and shoreline cleaning and its supervision are at advanced stages. A D8T bulldozer was delivered to Sint Maarten on January 27, a front loader was shipped in April and arrived in June. Waste reduction equipment (e.g. glass/wood/tire shredders), Personal Protection Equipment (PPE), a landfill compactor and a weighbridge etc., are being



procured. The Environmental and Social Impact Assessment (ESIA) for landfill upgrading and fire control is close to finalization and the Resettlement Action Plan (RAP) is being prepared.

Implementation challenges exist around the landfill component, due to the need to resettle vulnerable households. To further build the much-needed capacity in landfill and waste management, NRPB is recruiting several technical and safeguards experts. Project implementation also faces challenges posed by COVID-19 pandemic, including delayed equipment shipping, onboarding of technical experts, restriction on consultants' visits and safeguards consultations.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Debris Clearance and Management				
► Volume of land-based debris safely cleared and processed (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	150,000.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
► Vessels safely recovered and salvaged (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
► Extinguish fires at the two disposal sites (the municipal disposal site and the temporary Irma debris site) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022

Overall Comments

According to VROMI, most of the debris from Hurricane Irma has been cleared by late 2019 through the government program, and the scope of debris clearance, collection, and processing will focus on car and steel wreck handling. Together with ship salvaging and shoreline cleaning, and vector control activities, their results will be reported after these activities start. When the project is restructured, the RF will also be revised to reflex the change of the approach.

Intermediate Results Indicators by Components

Debris Clearance and Management				
► Volume of land-based debris collected (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80,000.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
► Volume of land-based debris processed (Cubic Meter(m3), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	150,000.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
► percentage of PM2.5 concentration reduced at disposal site (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022



Comments:	This will be measured by the 8-hour weighted average exposure of PM2.5 concentration for personnel exposures. The baseline was collected in the Air Screening Exercise carried out in Aug. 2018. In the Air Screening Exercise, Personnel samples were placed in track hoes while operators performed activities that were reported to be typical of a work day managing incoming municipal solid waste and hurricane related debris. Test stations were set up in the cabs of heavy equipment behind the operator's chair, with the intakes of the sampling media drawing air from head levels near the breathing zone (approximately one foot from the operator's face).			
► Number of districts cleared through labor intensive program (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
► Percentage of households with improved Aedes mosquitos index (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
Technical Assistance				
► Number of TA activities implemented to improve debris management (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
Project Management and Implementation Support				
► Percentage of months with adequate staffing, under the project (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	90.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022
► Percentage of contracts for debris collection executed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022



► Percentage of operational contracts executed for debris processing (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	30-Sep-2018	29-Nov-2019	01-Jun-2020	30-Sep-2022

Performance-Based Conditions

Data on Financial Performance

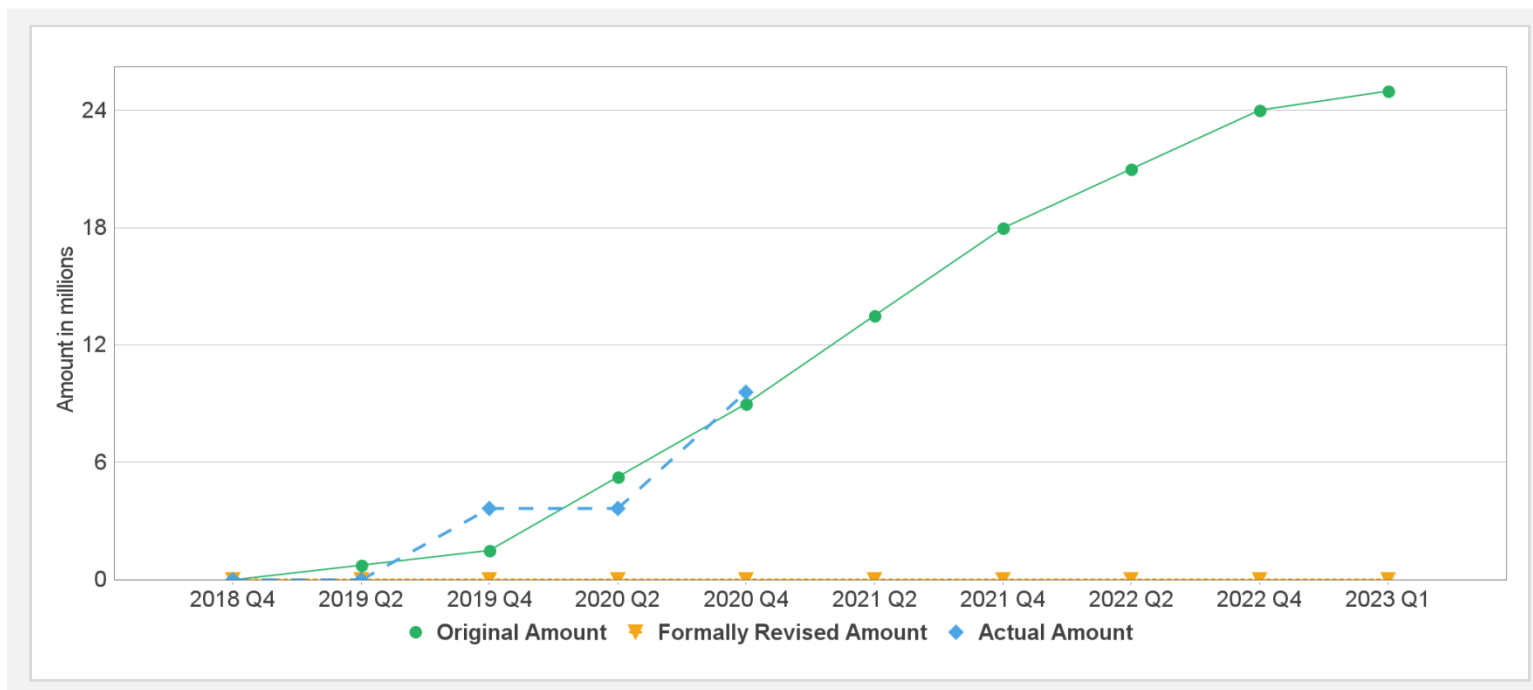
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P167347	TF-A9261	Effective	USD	25.00	25.00	0.00	9.58	15.42	38%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P167347	TF-A9261	Effective	20-Dec-2018	21-Dec-2018	31-Jan-2019	30-Sep-2022	30-Sep-2022

Cumulative Disbursements





PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
--------	----------	-------------	-----	------------	--------------------	-------------------------	------------------------

Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.
