

PMR Public Report

Operation Number	GY-G1004	Chief of Operations Validation Date	04/06/22
Year- PMR Cycle	Second period Jan-Dec 2021	Division Chief Validation Date	04/26/22
Last Update	04/05/22	Country Representative Validation Date	04/28/22
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Sustainable Energy Program for Guyana	Loan Number	GRT/FM-13897-GY
Executing Agency	OFFICE OF THE PRIME MINISTER	Sector/Subsector	ENERGY-RURAL ELECTRIFICATION
Team Leader	MASSON, MALAIKA EBONY ANIETIA	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Investment Grants	Country	Guyana
Lending Instrument		Convergence related Operation(s)	
Borrower			

Environmental and Social Safeguards

Impacts Category	C	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating	Partially Satisfactory	Date of approval	
Safeguard Performance Rating - Rationale	Most activities have been completed with appropriate training and adequate environment and social (E&S) compliance except for the Kato mini-hydro component. With start of construction activities at Kato there has been lack of adequate updates on implementation of the Environment and Social Management Plan (ESMP) in semi-annual and progress reports – this includes outstanding evidence of a grievance mechanism and required Contractor ESMP. Disclosure of key E&S documents needs to be improved.		

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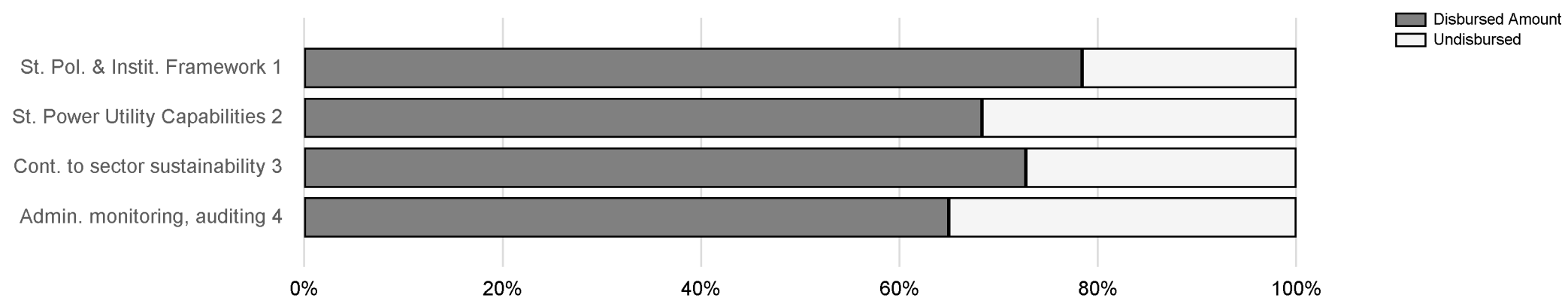
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Financial Data

	Total Cost and Source					Available Funds (US\$)			
Operations	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Amount
GY-G1004	5,000,000	5,000,000	1,250,000	0	6,250,000	5,000,000	4,999,999.88	100.00%	0.12
Aggregated	5,000,000	5,000,000	1,250,000	0	6,250,000	5,000,000	4,999,999.88	100.00%	0.12

Expense Categories by Loan Contract (cumulative values)



Please note that inactive indicators and outputs are not displayed; totals in the actual cost table may not match the sum of the cost of the outputs displayed, due to the cost of inactive outputs.

RESULTS MATRIX

General Development Objectives

General Development Objectives Nbr. 1: Increase quality energy access in Guyana

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement	EOP 2022	
1.1	Population with access to electricity increased.	Percentage	85	2011	2021	P	90
						A	86

Details

Means of Verification: Sector statistics

Observations: Based on Country Strategy 2012-2016

The General Development Objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO): No

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator			

General Development Objectives Nbr. 2: Contribute to sector sustainability and reduction of Greenhouse Gas (GhG) emissions

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement	EOP 2022	
2.1	Investment in Renewable Energy Technologies mobilized	US\$	0	2011	2021	P	19,950,000
						A	6,868,893

Details

Means of Verification: Progress reports of Operation; purchase of RETs using parallel-financing

Observations: Parallel-financing resources committed to the GEF at project approval must be monitored during project implementation.

The General Development Objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO): No

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator			

Indicator		Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement	EOP 2022	
2.1	Implementation of a Corporate Development Program for GP&L	No.	0	2011	2021	P	1
						A	1

Details

Means of Verification: Document report on the implementation of the Management Strengthening Program

Observations: This is part of the execution of GY-L1041 loan operation

The General Development Objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO): No

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator			

RESULTS MATRIX

Specific Development Objectives

Specific Development Objectives Nbr. 1: Rural communities have access to RE supply.

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
1.1	Number of rural end-users supplied with sustainable electricity service from installed RETs.	persons	6900	2011	P	-	-	27,500
					A	-	19,300	-

Details

Means of Verification: Final evaluation report

Observations: Based on average 40-W installed RET capacity per end-user

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 2: Increase in rural energy supply from RE sources

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
2.1	Amount of annual energy production by installed rural RETs	MWh/yr	198	2011	P	-	-	12,222
					A	-	3,284.45	-

Details

Means of Verification: Metering reports by operating entity

Observations: Based on installed capacity of 2,330-kW hydro and 1,253-kW solar PV

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 3: Increase in energy supply from RE sources injected to the national grid

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
3.1	Amount of annual energy production by installed on-grid wind turbine	MWh/yr	0	2011	P	-	-	789
					A	-	-	-

Details

Means of Verification: Metering reports by operating entity; sector statistics

Observations: Based on installed capacity of 300-kW on-grid wind turbine

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 4: Technical, social and financial sustainability of on-grid RETs demonstrated

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
4.1	Number of on-grid RE projects evaluated.	# projects	0	2011	P	-	-	1
					A	-	-	7

Details

Means of Verification: Projects final evaluation

Observations: At least one project constructed and connected to the grid assessed to evaluate technical, social and financial sustainability

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 5: Technical, social and financial sustainability of rural RETs demonstrated

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
5.1	Number of rural RE projects evaluated.	# projects	0	2011	P	-	-	2
					A	-	-	9
Details								

Means of Verification: Business plans of operating entities; final evaluation reports

Observations: For individual PV systems and small hydro power

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 6: Increase of technical and managerial skills for implementing RETs by GP&L

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
6.1	Investment to implement a Corporate Development Program	US\$	0	2011	P	-	-	20,000,000
					A	1	7,807,411.35	-
Details								

Means of Verification: Official document with investment approved

Observations: The implementation of a Corporate Development Program to improve GP&L’s capacities vis-à-vis the LCDS, has been analyzed by IDB and the GoG

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 7: Increase of local capacities to implement and operate RETs for rural electrification

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
7.1	Trainings conducted	# trainings	2	2011	P	-	-	7
					A	-	5	-
Details								

Means of Verification: Projects final evaluation

Observations: Training in RETs will be carried out in Hinterland and in the coastal zone of Guyana

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator	

Specific Development Objectives Nbr. 8: GEF Performance Ratings

Observation:

	Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2022
8.0	Rating of Likelihood of Achieving Project Global Environmental Objective (DO) (Scale: 1 - 6, where 1 = Highly Satisfactory [HS] and 6 = Highly Unsatisfactory [HU])	#	0	2013	P	-	-	-
					A	3	3	-

Details									
Means of Verification: Based on Program execution									
Observations:									
Evaluation Methodology: -									
Pro-Gender	No	Pro-Ethnicity	No	CRF indicator					
</									

Details

Means of Verification: Based on Program execution

Observations:

Evaluation Methodology: -

Pro-Gender	No	Pro-Ethnicity	No	CRF indicator					

Details								
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Observations:								
Evaluation Methodology: -								
Pro-Gender	No	Pro-Ethnicity	No	CRF indicator				

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 I. Strengthening of the policy and institutional framework to implement RETs in Guyana

				PHYSICAL PROGRESS		FINANCIAL PROGRESS	
	Output	Unit of Measure		2021	EOP 2022	2021	EOP 2022
1.01	Legal and technical revision of electricity regulatory framework developed.	# revisions	P	-	1	-	100,000
			P (a)	-	1	-	267,500
			A	-	1	-	267,500
1.02	Public Awareness campaign developed	# campaigns	P	-	4	-	110,000
			P (a)	-	5	17,500	87,360
			A	-	5	17,500	87,360

Component Nbr. 2 II. Strengthening of the Power Utility capabilities and promote the use of RETs

				PHYSICAL PROGRESS		FINANCIAL PROGRESS	
	Output	Unit of Measure		2021	EOP 2022	2021	EOP 2022
2.01	Wind Measuring Stations	# stations	P	-	2	-	140,000
			P (a)	3	1	72,900	192,705
			A	-	1	19,730	192,705

Component Nbr. 3 III. Contribute to sector sustainability with the implementation of RETs for electricity generation

				PHYSICAL PROGRESS		FINANCIAL PROGRESS	
	Output	Unit of Measure		2021	EOP 2022	2021	EOP 2022
3.01	Solar-PV projects installed for rural electrification	kW	P	-	1,112	-	805,000
			P (a)	45	154	724,290	1,807,183
			A	-	154	711,740	1,772,730
3.02	Rural hydro power projects installed	kW	P	-	2,330	-	2,000,000
			P (a)	150	150	1,377,103	2,067,853
			A	-	-	475,050	1,165,800
3.03	On-grid RET (wind power) installed	kW	P	-	300	-	800,000
			P (a)	-	-	-	-
			A	-	-	-	-
3.04	On-grid PV projects installed	kW	P	-	180	-	795,000
			P (a)	-	180	-	318,932
			A	-	180	-	318,932

Other Cost				
	Project Management	P		1,500,000
		P (a)	108,200	238,542
		A	37,070	156,070
Total Cost				
	Total Cost	P		6,253,929
		P (a)	2,300,191	4,980,566
		A	1,261,090	3,961,438

CHANGES TO THE MATRIX

Section	Name	Type of Change	Sub type	Modified By	Entered in System
Output	Solar-PV projects installed for rural electrification	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	LERONEW	3/24/2022
			Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	LERONEW	3/24/2022
	Wind Measuring Stations	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	LERONEW	3/24/2022
			Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	LERONEW	3/24/2022

RISKS AND PLANNED RESPONSES

Risk ID	Risk Status		Risk Taxonomy
2	Inactive		Political Environment
	Response Actions		
	2.0	Management Strategy	Status
		-	

Risk ID	Risk Status		Risk Taxonomy
3	Active		Institutional Environment
	Response Actions		
	3.1	Management Strategy	Status
		MITIGATE	ACTIVE

Risk ID	Risk Status		Risk Taxonomy
5	Inactive		Institutional Environment
	Response Actions		
	5.0	Management Strategy	Status
		-	

Risk ID	Risk Status		Risk Taxonomy
8	Inactive		Technical Design
	Response Actions		
	8.0	Management Strategy	Status
		-	

Risk ID	Risk Status		Risk Taxonomy
10	Inactive		Technical Design
	Response Actions		
	10.0	Management Strategy	Status
		-	

Risk ID	Risk Status		Risk Taxonomy
12	Inactive		Social Environment
	Response Actions		
	12.0	Management Strategy	Status
		-	

Risk ID	Risk Status		Risk Taxonomy		
13	Inactive		Institutional Environment		
	Response Actions				
	13.0	Management Strategy		Status	
		-			

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories
Others - Technical-Sectorial Dimensions