

PMR Public Report

Operation Number	GY-G1004	Chief of Operations Validation Date	04/13/21
Year- PMR Cycle	Second period Jan-Dec 2020	Division Chief Validation Date	04/29/21
Last Update	04/07/21	Country Representative Validation Date	05/12/21
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	Sologuren Blanco, Jaime	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Investment Grants	Country	Guyana
Lending Instrument		Convergence related Operation(s)	
Borrower			

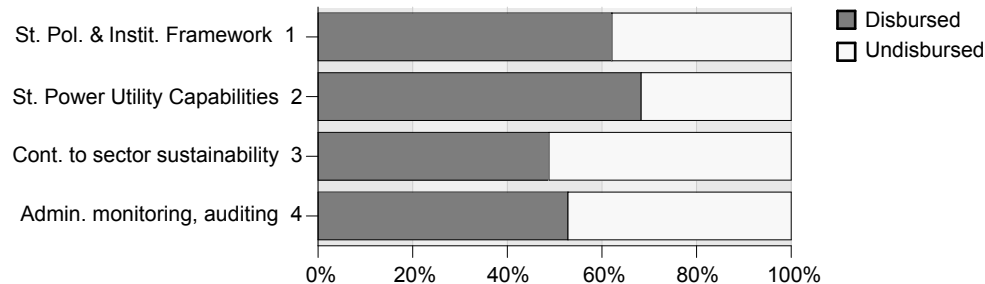
Environmental and Social Safeguards

Impacts Category	C	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating	Satisfactory	Date of approval	
Safeguard Performance Rating - Rationale	Solar mini-grid and PV projects have advanced with no E&S compliance issues. Other projects still in early phases of implementation with no major unresolved environmental or social issues and project teams are coordinating with EPA to obtain permits and licenses. Kato mini-hydro project in design phase to be implemented soon; only one wind tower has been erected.		

Financial Data

Item	Total Cost and Source					Available Funds (US\$)			
	Original IDB	Current IDB	Local Counterpart	Co-Financing / Country	Total Original Cost	Current IDB	Disb. Amount to Date	% Disb	Undisbursed Amount
GY-G1004	0	5,000,000	1,250,000	0	6,250,000	5,000,000	3,996,075.41	79.92%	1,003,924.59
Aggregated	0	5,000,000	1,250,000	0	6,250,000	5,000,000	3,996,075.41	79.92%	1,003,924.59

Expense Categories by Loan Contract (cumulative values)



PMR Public Report

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		Target
1.1	Population with access to electricity increased.	Percentage	85.00	2011	2021	P	90.00
						A	0.00

Details

Means of verification: Sector statistics

Observations: Based on Country Strategy 2012-2016

Pro-Gender	No	Pro-Ethnicity	No
<p>The General Development objective indicator target is expected to be observed by the operation's "Fully Justified" date in Convergence (CO)</p>			

PMR Public Report

RESULTS MATRIX

General Development Objectives

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		Target
2.1	Investment in Renewable Energy Technologies mobilized	US\$	0.00	2011	2021	P	19,950,000.00
						A	0.00

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.

Pro-Gender No **Pro-Ethnicity** No

The General Development
bjective indicator target is
expected to be observed by
the operation's "Fully
Justified" date
in Convergence (CO)

No

	Indicator	Unit of Measure	Baseline	Baseline Year	Expected Year of Achievement		Target
2.1	Implementation of a Corporate Development Program for GP&L	No.	0.00	2011	2021	P	1.00
						A	0.00

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

Pro-Gender No **Pro-Ethnicity** No

The General Development
bjective indicator target is
expected to be observed by
the operation's "Fully
Justified" date
in Convergence (CO)

No

PMR Public Report

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 2021
1.1	Number of rural end-users supplied with sustainable electricity service from installed RETs.	persons	6,900.00	2011	P			27,500.00
					A	0.00	0.00	0.00
Details								
Means of verification: Final evaluation report								
Observations: Based on average 40-W installed RET capacity per end-user								
Pro-Gender		No		Pro-Ethnicity		No		

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

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
2.1	Amount of annual energy production by installed rural RETs	MWh/yr	198.00	2011	P			12,222.00
					A	0.00	0.00	0.00
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								
Pro-Gender		No		Pro-Ethnicity		No		

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 2021
3.1	Amount of annual energy production by installed on-grid wind turbine	MWh/yr	0.00	2011	P			789.00
					A	0.00	0.00	0.00
Details								
Means of verification: Metering reports by operating entity; sector statistics								
Observations: Based on installed capacity of 300-kW on-grid wind turbine								
Pro-Gender		No		Pro-Ethnicity		No		

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

Observation:

Indicator		Unit of	Baseline	Baseline		2019	2021	EOP 2021
-----------	--	---------	----------	----------	--	------	------	----------

PMR Public Report

RESULTS MATRIX

Specific Development Objectives

		Measure		Year				
4.1	Number of on-grid RE projects evaluated.	# projects	0.00	2011	P			1.00
					A	0.00	0.00	0.00
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								
Pro-Gender			No			Pro-Ethnicity		
						No		

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 2021
5.1	Number of rural RE projects evaluated.	# projects	0.00	2011	P			2.00
					A	0.00	0.00	0.00
Details								
Means of verification: Business plans of operating entities; final evaluation reports								
Observations: For individual PV systems and small hydro power								
Pro-Gender			No			Pro-Ethnicity		
						No		

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 2021
6.1	Investment to implement a Corporate Development Program	US\$	0.00	2011	P			20,000,000.00
					A	1.00	0.00	0.00
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								
Pro-Gender			No			Pro-Ethnicity		
						No		

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 2021
7.1	Trainings conducted	# trainings	2.00	2011	P			7.00

PMR Public Report

RESULTS MATRIX

Specific Development Objectives

7.1	Trainings conducted	# trainings	2.00	2011	A	0.00	0.00	0.00
Details								
Means of verification: Projects final evaluation								
Observations: Training in RETs will be carried out in Hinterland and in the coastal zone of Guyana								
Pro-Gender			No			Pro-Ethnicity		
						No		

Specific Development Objectives Nbr. 8: GEF Performance Ratings

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
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])	#	0.00	2013	P			
					A	3.00		

Details

Means of verification: Based on Program execution

Pro-Gender			No			Pro-Ethnicity		
						No		

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
8.2	Rating of Implementation Progress (IP) (Scale: 1 - 6, where 1 = Highly Satisfactory [HS] and 6 = Highly Unsatisfactory [HU])	#	0.00	2013	P			
					A	3.00		

Details

Means of verification: Based on Program execution

Pro-Gender			No			Pro-Ethnicity		
						No		

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
8.3	Rating of overall Risk that may affect project performance (RISK) (Scale 1 - 4, where 1 = High Risk [H] and 4 = Low Risk [L])	#	0.00	2013	P			
					A	3.00		

Details

Means of verification: Based on Program execution

Pro-Gender			No			Pro-Ethnicity		
						No		

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2021	2020	EOP 2021
1.1	Legal and technical revision of electricity regulatory framework developed.	# revisions	P		1		100,000
			P(a)	0	1	80,170	267,500
			A	0	1	70,000	267,500
1.2	Public Awareness campaign developed	# campaigns	P		4		110,000
			P(a)	0	5	7,000	87,360
			A	0	5	0	69,860

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2021	2020	EOP 2021
2.1	Wind Measuring Stations	# stations	P		2		140,000
			P(a)	0	4	35,000	245,875
			A	0	1	26,360	172,975

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2020	EOP 2021	2020	EOP 2021
3.1	Solar-PV projects installed for rural electrification	kW	P		1,112		805,000
			P(a)	24	199	433,000	1,785,280
			A	81	154	556,900	1,060,990
3.2	Rural hydro power projects installed	kW	P		2,330		2,000,000
			P(a)	0	150	300,000	2,067,853
			A	0	0	402,570	690,750
3.3	On-grid RET (wind power) installed	kW	P		300		800,000
			P(a)	0	0	0	0
			A	0	0	0	0
3.4	On-grid PV projects installed	kW	P		180		795,000
			P(a)	0	180	0	318,932
			A	0	180	0	318,932

Other Cost

	Project Management	P					1,500,000
		P(a)				69,000	227,200
		A				25,970	119,000

Total Cost

	Total Cost	P					6,250,000
		P(a)				924,170	5,000,000
		A				1,081,800	2,700,007

CHANGES TO THE MATRIX

Section	Name	Type of Change	Subtype	Modified By	Entered in the System
Output	Legal and technical revision of electricity regulatory framework developed.	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	LERONEW	03/25/2021
	Public Awareness campaign developed	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	LERONEW	03/25/2021
	Rural hydro power projects installed	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	LERONEW	04/06/2021
	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	03/25/2021
	Wind Measuring Stations	Modify Output	Modify Financial EOP P(a) value - caused by a change in the Financial P(a).	LERONEW	03/25/2021

PMR Public Report

IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories

Acquisitions and Procurement - Bidding Stage