

PMR Operational Report

Operation Number	GY-G1004	Chief of Operations Validation Date	04/03/20
Year- PMR Cycle	Second period Jan-Dec 2019	Division Chief Validation Date	04/03/20
Last Update	04/02/20	Country Representative Validation Date	04/30/20
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	EN-ERT - 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			

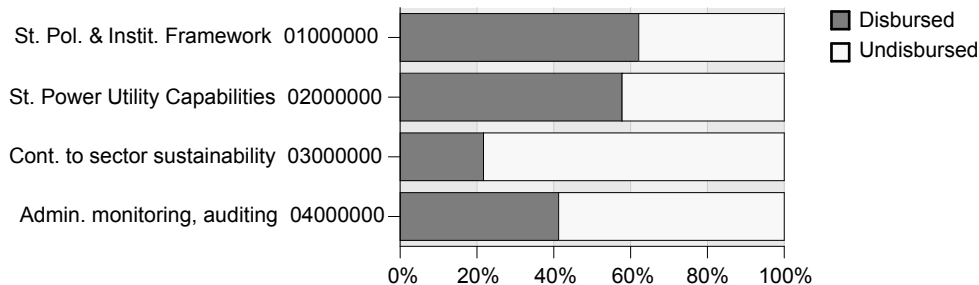
Environmental and Social Safeguards

Impacts Category	C	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating	Satisfactory	Date of approval	
Safeguard Performance Rating - Rationale	Project is still in early phases of implementation with no major environmental or social issues. Most projects in planning phase to be implemented soon; only some rooftop solar and 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	5,000,000	5,000,000	1,250,000	0	6,250,000	5,000,000	2,805,391.46	56.11%	2,194,608.54
Aggregated	5,000,000	5,000,000	1,250,000	0	6,250,000	5,000,000	2,805,391.46	56.11%	2,194,608.54

Expense Categories by Loan Contract (cumulative values)



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RESULTS MATRIX

IMPACTS

Impact Nbr. 1: Increase quality energy access in Guyana

Observation: As included in the results matrix

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
1.1	Population with access to electricity increased.	Percentage	85.00	2011	P			90.00
					P(a)		90.00	90.00
					A	0.00		0.00

Details

Means of verification: Sector statistics

Observations: Based on Country Strategy 2012-2016

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

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

Observation: As included in the results matrix

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
2.1	Investment in Renewable Energy Technologies mobilized	US\$	0.00	2011	P			19,950,000.00
					P(a)		1,950.00	19,950,000.00
					A	0.00		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

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
2.1	Implementation of a Corporate Development Program for GP&L	No.	0.00	2011	P			1.00
					P(a)		1.00	1.00
					A	0.00		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

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RESULTS MATRIX

OUTCOMES

Outcome 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
					P(a)		27,500.00	27,500.00
					A	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
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Outcome 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
					P(a)		12,222.00	12,222.00
					A	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
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Outcome 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
					P(a)		789.00	789.00
					A	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
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RESULTS MATRIX

OUTCOMES

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

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
4.1	Number of on-grid RE projects evaluated.	# projects	0.00	2011	P			1.00
					P(a)		1.00	1.00
					A	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

Outcome 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
					P(a)		2.00	2.00
					A	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

Outcome 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
					P(a)		20,000,000.00	20,000,000.00
					A	1.00		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

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RESULTS MATRIX

OUTCOMES

Pro-Gender	No	Pro-Ethnicity	No
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Outcome 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
					P(a)	7.00	7.00
					A	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
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Outcome 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		
					P(a)		
					A	3.00	

Details

Means of verification: Based on Program execution

Pro-Gender	No	Pro-Ethnicity	No
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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		
					P(a)		
					A	3.00	

Details

Means of verification: Based on Program execution

Pro-Gender	No	Pro-Ethnicity	No
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Indicator	Unit of Measure	Baseline	Baseline Year		2019	2021	EOP 2021
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RESULTS MATRIX

OUTCOMES

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			
					P(a)			
					A	3.00		

Details

Means of verification: Based on Program execution

Pro-Gender	No	Pro-Ethnicity	No
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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	
				2019	EOP 2021	2019	EOP 2021
1.1	Legal and technical revision of electricity regulatory framework developed.	# revisions	P	0	1		100,000
			P(a)	0	1	0	277,670
			A	0	1	0	197,500
1.2	Public Awareness campaign developed	# campaigns	P	0	4		110,000
			P(a)	1	5	60,500	152,989
			A	1	5	27,340	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	
				2019	EOP 2021	2019	EOP 2021
2.1	Wind Measuring Stations	# stations	P	0	2		140,000
			P(a)	3	4	84,000	250,851
			A	0	1	1,750	146,615

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

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2019	EOP 2021	2019	EOP 2021
3.1	Solar-PV projects installed for rural electrification	kW	P	142	1,112	105,000	805,000
			P(a)	142	199	834,100	1,723,553
			A	73	73	491,200	504,090
3.2	Rural hydro power projects installed	kW	P	2,000	2,330	750,000	2,000,000
			P(a)	0	150	652,800	2,040,291
			A	0	0	286,230	288,180
3.3	On-grid RET (wind power) installed	kW	P	300	300	675,000	800,000
			P(a)	0	0	0	0
			A	0	0	0	0
3.4	On-grid PV projects installed	kW	P	20	180	90,000	795,000
			P(a)	0	180	0	318,932
			A	0	180	0	318,932

Other Cost

	Project Management	P			1,250,000	1,500,000
		P(a)			15,000	235,714
		A			27,030	93,030

Total Cost

	Total Cost	P			2,870,000	6,250,000
		P(a)			1,646,400	5,000,000
		A			833,550	1,618,207

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CHANGES TO THE MATRIX

Section	Name	Reasons	Type of Change	Subtype	Modified By	Entered in the System
Output	On-grid PV projects installed	Actual outputs reduced to reflect physical progress that was directly financed with GEF project resources only. Previously physical progress associated with Government of Guyana resources was also included.	Modify Output	Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	LERONEW	03/11/2020
				Modify Physical Historical Actual	LERONEW	03/11/2020
	Solar-PV projects installed for rural electrification	Actual outputs reduced to reflect physical progress that was directly financed with GEF project resources only. Previously physical progress associated with Government of Guyana resources was also included.	Modify Output	Modify Physical EOP P(a) value - caused by a change in the Physical P(a).	LERONEW	03/11/2020
				Modify Physical Historical Actual	LERONEW	03/11/2020

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IMPLEMENTATION STATUS AND LEARNING

Lesson Learned - Categories

Intra/Inter Coordination