

# PMR Operational Report

<b>Operation Number</b>	GY-G1004	<b>Chief of Operations Validation Date</b>	10/18/19
<b>Year- PMR Cycle</b>	First period Jan-Jun 2019	<b>Division Chief Validation Date</b>	
<b>Last Update</b>	09/23/19	<b>Country Representative Validation Date</b>	
<b>PMR Validation Stage</b>	Validated by Chief of Operations		

## Basic Data

### Operation Profile

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

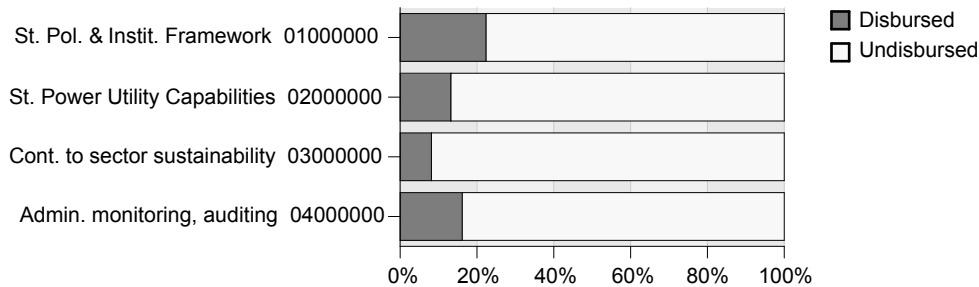
## Environmental and Social Safeguards

<b>Impacts Category</b>	C	<b>Was/Were the objective(s) of this operation reformulated?</b>	NO
<b>Safeguard Performance Rating</b>	Satisfactory	<b>Date of approval</b>	
<b>Safeguard Performance Rating - Rationale</b>	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	1,405,391.3	28.11%	3,594,608.7
<b>Aggregated</b>	<b>5,000,000</b>	<b>5,000,000</b>	<b>1,250,000</b>	<b>0</b>	<b>6,250,000</b>	<b>5,000,000</b>	<b>1,405,391.3</b>	<b>28.11%</b>	<b>3,594,608.7</b>

## Expense Categories by Loan Contract (cumulative values)



## PMR Operational Report

### 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	EOP 2021
1.1	Population with access to electricity increased.	Percentage	85.00	2011	P		90.00
					P(a)		90.00
					A		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	EOP 2021
2.1	Investment in Renewable Energy Technologies mobilized	US\$	0.00	2011	P		19,950,000.00
					P(a)		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

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

## PMR Operational Report

### 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
					A			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	

**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
					A			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	

**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
					A			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	

## PMR Operational Report

### 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
					A			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
					A			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
					A			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

## PMR Operational Report

### 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
					A		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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## PMR Operational Report

### 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		

## 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	0	4	13,980	56,500

#### 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	335.8	834,100	1,723,553
			A	0	193.8	145,650	158,540
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	0	1,950
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	3,660	0	318,932
			A	0	3,660	0	318,932

#### Other Cost

	Project Management	P			1,250,000	1,500,000
		P(a)			15,000	235,714
		A			6,890	72,890

#### Total Cost

	Total Cost	P			2,870,000	6,250,000
		P(a)			1,646,400	5,000,000
		A			168,270	952,927

# PMR Operational Report

## CHANGES TO THE MATRIX

Section	Name	Reasons	Type of Change	Subtype	Modified By	Entered in the System
Outcome	GEF Performance Ratings	GEF performance ratings created following HQ indication for GEF reporting trough PMR	Create Outcome	N/A	JAIMESO	08/19/2019
	Rating of Implementation Progress (IP) (Scale: 1 - 6, where 1 = Highly Satisfactory [HS] and 6 = Highly Unsatisfactory [HU])	GEF performance ratings created following HQ indication for GEF reporting trough PMR	Create Outcome Indicator	N/A	JAIMESO	08/19/2019
			Modify Outcome Indicator	Modify Means of Verification	JAIMESO	09/02/2019
	Rating of Likelihood of Achieving Project Global Environmental Objective (DO) (Scale: 1 - 6, where 1 = Highly Satisfactory [HS] and 6 = Highly Unsatisfactory [HU])	GEF performance ratings created following HQ indication for GEF reporting trough PMR	Create Outcome Indicator	N/A	JAIMESO	08/19/2019
			Modify Outcome Indicator	Modify Means of Verification	JAIMESO	09/02/2019
	Rating of overall Risk that may affect project performance (RISK) (Scale 1 - 4, where 1 = High Risk [H] and 4 = Low Risk [L])	GEF performance ratings created following HQ indication for GEF reporting trough PMR	Create Outcome Indicator	N/A	JAIMESO	08/19/2019
			Modify Outcome Indicator	Modify Means of Verification	JAIMESO	09/02/2019
Output	Legal and technical revision of electricity regulatory framework developed.	Changes follow to official request for budget reallocation made by GoG (16th May, 2019) in order to accommodate the execution of activities of the program.	Modify Output	Modify Financial P(a) value	JAIMESO	09/02/2019
	Public Awareness campaign developed	Changes follow to official request for budget reallocation made by GoG (16th May, 2019) in order to accommodate the execution of activities of the program.	Modify Output	Modify Financial P(a) value	JAIMESO	09/02/2019
	Rural hydro power projects installed	The change also accommodates the extension of the program, the realization/construction of the power plant after contract award (Delays due to NPTAB)	Modify Output	Modify Financial P(a) value	JAIMESO	09/02/2019
						09/02/2019
	Solar-PV projects installed for rural electrification	Changes follow to official request for budget reallocation made by GoG (16th May, 2019) in order to accommodate the execution of activities of the program.	Modify Output	Modify Financial P(a) value	JAIMESO	09/02/2019
	Wind Measuring Stations	Changes follow to official request for budget reallocation made by GoG (16th May, 2019) in order to accommodate the execution of activities of the program.	Modify Output	Modify Financial P(a) value	JAIMESO	09/02/2019



# PMR Operational Report

## IMPLEMENTATION STATUS AND LEARNING

### Lesson Learned - Categories

Others - Technical-Sectorial Dimensions