



Operation Number: **GY-G1004**
Year- PMR Cycle: **First period Jan-Jun 2016**
Last Update: **10/17/2016**
PMR Validation Stage: **Validated by Chief of Operations**

Chief of Operations validation date: **10/18/2016**
Division Chief validation date:
Country Representative validation date:

Inter-American Development Bank - IDB
Office of Strategic Planning and Development Effectiveness

Operation Profile

Basic Data

Operation name:	Sustainable Energy Program for Guyana	Loan Number:	GRT/FM-13897-GY
Executing Agency (EA):	OFFICE OF THE PRIME MINISTER		
Team Leader:	Echeverría Echeverría,Carlos Bladimir	Sector/Subsector:	RURAL ELECTRIFICATION
Operation Type:	Investment Grants	Overall Stage:	Disbursing (From eligibility until all the Operations are closed)
Lending Instrument:		Country:	GUYANA
Borrower:	Convergence related Operation(s):		

Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
GY-G1004	\$0.00	\$5,000,000.00	\$1,250,000.00		\$6,250,000.00

Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
GY-G1004	\$5,000,000.00	\$63,306.87	1.27%	\$4,936,693.13

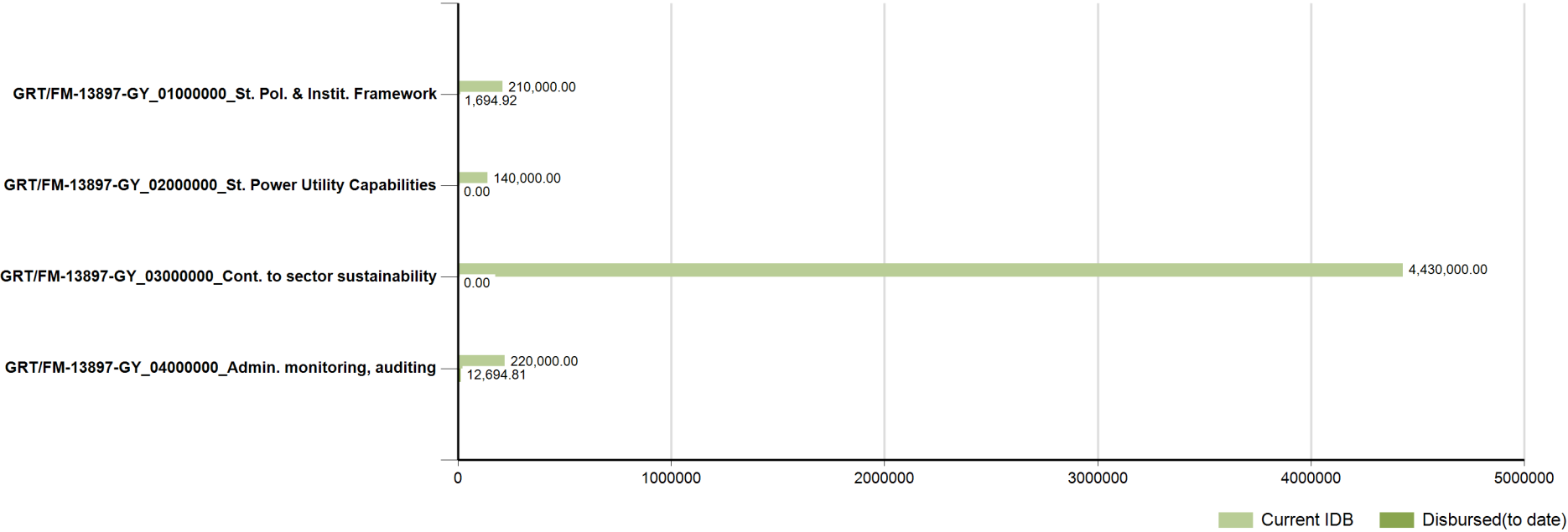
Environmental and Social Safeguards

Main Operation	
Impacts Category:	C
Safeguard Performance Rating:	
Safeguard Performance Rating - Rationale:	

Reformulation Information

Main Operation	
Was/Were the objective(s) of this operation reformulated?	NO
Date of approval:	

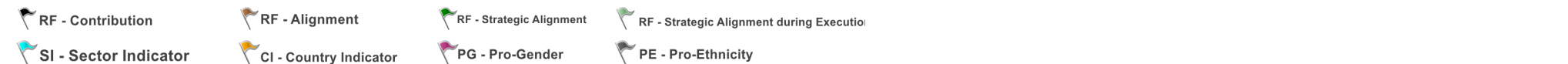
Expense Categories by Loan Contract (cumulative values)



Results Matrix

Impacts

Impact:	1 Increase quality energy access in Guyana									
Observation:	As included in the results matrix									
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2019		EOP	
1.1 Population with access to electricity increased.		Percentage	85.00	2011	Sector statistics	Based on Country Strategy 2012-2016	P		90.00	
							P(a)		90.00	
							A		0.00	
Impact:	2 Contribute to sector sustainability and reduction of Greenhouse Gas (GhG) emissions									
Observation:	As included in the results matrix									
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2019		EOP	
2.1 Investment in Renewable Energy Technologies mobilized		US\$	0.00	2011	Progress reports of Operation; purchase of RETs using parallel-financing	Parallel-financing resources committed to the GEF at project approval must be monitored during project implementation.	P		19,950,000.00	
							P(a)		19,950,000.00	
							A		0.00	
2.1 Implementation of a Corporate Development Program for GP&L		No.	0.00	2011	Document report on the implementation of the Management Strengthening Program	This is part of the execution of GY-L1041 loan operation	P		1.00	
							P(a)		1.00	
							A		0.00	



Outcomes

Outcome:	1 Rural communities have access to RE supply.								
Observation:									
Indicators		Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
1.1 Number of rural end-users supplied with sustainable electricity service from installed RETs.			persons	6,900.00	2011	Final evaluation report	Based on average 40-W installed RET capacity per end-user	P	27,500.00
								P(a)	27,500.00
								A	0.00
Outcome:	2 Increase in rural energy supply from RE sources								

Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
2.1 Amount of annual energy production by installed rural RETs		MWh/yr	198.00	2011	Metering reports by operating entity	Based on installed capacity of 2,330-kW hydro and 1,253-kW solar PV	P	12,222.00
							P(a)	12,222.00
							A	0.00
Outcome:	3 Increase in energy supply from RE sources injected to the national grid							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
3.1 Amount of annual energy production by installed on-grid wind turbine		MWh/yr	0.00	2011	Metering reports by operating entity; sector statistics	Based on installed capacity of 300-kW on-grid wind turbine	P	789.00
							P(a)	789.00
							A	0.00
Outcome:	4 Technical, social and financial sustainability of on-grid RETs demonstrated							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
4.1 Number of on-grid RE projects evaluated.		# projects	0.00	2011	Projects final evaluation	At least one project constructed and connected to the grid assessed to evaluate technical, social and financial sustainability	P	1.00
							P(a)	1.00
							A	0.00
Outcome:	5 Technical, social and financial sustainability of rural RETs demonstrated							
Observation:								

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
5.1 Number of rural RE projects evaluated.		# projects	0.00	2011	Business plans of operating entities; final evaluation reports	For individual PV systems and small hydro power	P	2.00
							P(a)	2.00
							A	0.00
Outcome:	6 Increase of technical and managerial skills for implementing RETs by GP&L							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
6.1 Investment to implement a Corporate Development Program		US\$	0.00	2011	Official document with investment approved	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	P	20,000,000.00
							P(a)	20,000,000.00
							A	0.00
Outcome:	7 Increase of local capacities to implement and operate RETs for rural electrification							
Observation:								
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
7.1 Trainings conducted		# trainings	2.00	2011	Projects final evaluation	Training in RETs will be carried out in Hinterland and in the coastal zone of Guyana	P	7.00
							P(a)	7.00
							A	0.00

 RF - Contribution
  RF - Alignment
  RF - Strategic Alignment
  RF - Strategic Alignment during Execution

 SI - Sector Indicator
  CI - Country Indicator
  PG - Pro-Gender
  PE - Pro-Ethnicity

Outputs: Annual Physical and Financial Progress

I. Strengthening of the policy and institutional framework to implement RETs in Guyana		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2016	EOP		2016	EOP
Legal and technical revision of electricity regulatory framework developed.	# revisions	P	0.00	1.00	P		100,000.00
		P(a)	0.00	1.00	P(a)	0.00	100,000.00
		A	0.00	0.00	A	0.00	0.00
Public Awareness campaign developed	# campaigns	P	1.00	4.00	P	27,500.00	110,000.00
		P(a)	2.00	4.00	P(a)	25,000.00	110,000.00
		A	0.00	0.00	A	6,800.00	8,500.00
II. Strengthening of the Power Utility capabilities and promote the use of RETs		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2016	EOP		2016	EOP
Wind Measuring Stations	# stations	P	1.00	2.00	P	70,000.00	140,000.00
		P(a)	4.00	4.00	P(a)	115,000.00	140,000.00
		A	0.00	0.00	A	0.00	5,500.00
III. Contribute to sector sustainability with the implementation of RETs for electricity generation		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2016	EOP		2016	EOP
Solar-PV projects installed for rural electrification	kW	P	0.00	1,112.00	P	0.00	805,000.00
		P(a)	0.00	1,112.00	P(a)	10,000.00	805,000.00
		A	0.00	35.00	A	0.00	0.00
Rural hydro power projects installed	kW	P	330.00	2,330.00	P	400,000.00	2,000,000.00
		P(a)	0.00	2,330.00	P(a)	10,000.00	2,000,000.00
		A	0.00	0.00	A	0.00	0.00
On-grid RET (wind power) installed	kW	P	0.00	300.00	P	0.00	800,000.00
		P(a)		300.00	P(a)	0.00	800,000.00
		A	0.00	0.00	A	0.00	0.00
On-grid PV projects installed	kW	P	40.00	180.00	P	175,000.00	795,000.00
		P(a)	40.00	180.00	P(a)	100,000.00	795,000.00
		A	10.00	10.00	A	0.00	0.00
Other Cost					2016		Cost
Project Management				P	\$50,000.00		\$1,500,000.00
				P(a)	\$15,000.00		\$1,500,000.00
				A	\$0.00		\$10,100.00
Total Cost					2016		Total Cost
				P	\$722,500.00		\$6,250,000.00
				P(a)	\$275,000.00		\$6,250,000.00
				A	\$6,800.00		\$24,100.00

Changes to the Matrix

No information related to this operation.

Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains.