

PMR Operational Report

Operation Number	GY-L1041	Chief of Operations Validation Date	04/07/17
Year- PMR Cycle	Second period Jan-Dec 2016	Division Chief Validation Date	04/21/17
Last Update	03/15/17	Country Representative Validation Date	05/04/17
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Power Utility Upgrade Program	Loan Number	3238/OC-GY, 3239/BL-GY
Executing Agency	GUYANA POWER AND LIGHT, INC.	Sector/Subsector	EN-REH - ENERGY-ENERGY SECTOR REHABILITATION AND EFFICIENCY
Team Leader	MONTANEZ, LEOPOLDO	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	GUYANA
Lending Instrument	Investment Loan	Convergence related Operation(s)	GY-X1002
Borrower	COOPERATIVE REPUBLIC OF GUYANA		

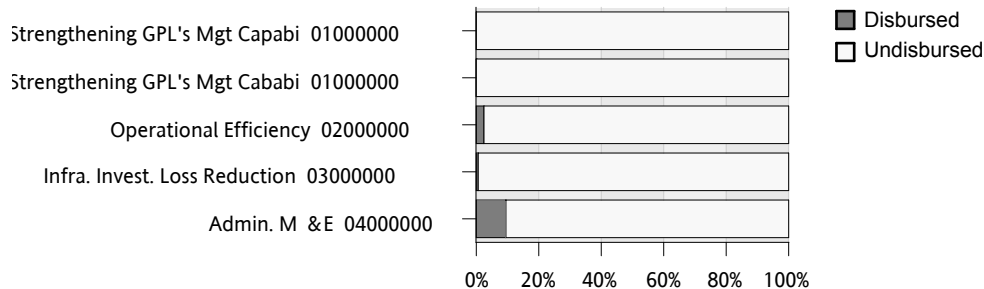
Environmental and Social Safeguards

Impacts Category	C	Was/Were the objective(s) of this operation reformulated?	NO
Safeguard Performance Rating		Date of approval	
Safeguard Performance Rating - Rationale			

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-L1041	37,641,750	37,641,750	0	0	37,641,750	37,641,750	1,885,250	5.01%	35,756,500
GY-X1002	19,375,000	19,375,000	0	0	26,931,250	19,375,000	2,073,087	10.70%	17,301,913
Aggregated	57,016,750	57,016,750	0	0	64,573,000	57,016,750	3,958,337	6.94%	53,058,413

Expense Categories by Loan Contract (cumulative values)



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. Please also 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.

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RESULTS MATRIX

IMPACTS

Impact Nbr. 1: A more reliable power supply system

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		EOP 2019
1.1	System Average Interruption Duration Index (SAIDI) improved	Frequency	165.0	2013	P	85.00
					P(a)	85.00
					A	0.00

Details

Means of verification: SAIFI

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

Indicator		Unit of Measure	Baseline	Baseline Year		EOP 2019
1.2	System Average Interruption Frequency Index (SAIFI) improved	Hours	161.0	2013	P	115.00
					P(a)	115.00
					A	0.00

Details

Means of verification: SAIDI

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

Impact Nbr. 2: A more efficient GPL in terms of operative performance.

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		EOP 2019
2.1	Cash Recovery Index	%	65.0	2013	P	73.00
					P(a)	73.00
					A	0.00

Details

Means of verification: Cash Recovery Index

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

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RESULTS MATRIX

OUTCOMES

Outcome Nbr. 0: Strengthening in GPL's corporate performance with enhanced external oversight.

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		EOP 2019
0.1	A Management Strengthening Program and an Oversight Mechanism executed.	Number of Programs	0.0	2013	P	1.00
					P(a)	1.00
					A	0.00
Details						
Means of verification: Outsourced Technical Support procurement process documents.						
Pro-Gender		No	Pro-Ethnicity		No	

Outcome Nbr. 1: Reinforcing of GPL's capabilities in planning, design, commercial operation, demand-side management, and power and network operations.

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		EOP 2019
1.1	A Customer Information System (CIS) and a Management Information System (MIS) upgraded and in implementation.	Number of Systems	0.0	2013	P	2.00
					P(a)	2.00
					A	0.00
Details						
Means of verification: System's procurement documents.						
Pro-Gender		No	Pro-Ethnicity		No	

Outcome Nbr. 2: Achievement of a sustained trend in overall losses reduction.

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		EOP 2019
2.1	Percentage of overall electricity losses.	%	31.4	2013	P	23.80
					P(a)	23.80
					A	0.00
Details						
Means of verification: GPL's official reports; Monitoring Unit annual reports.						
Pro-Gender		No	Pro-Ethnicity		No	

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Component I - Strengthening GPL's Management Capabilities.

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2019	2016	EOP 2019
1.1	A Management Strengthening Program (MSP) executed	# of Program	P	0	1	2,000,000	7,206,000
			P(a)	0	1	1,441,200	7,563,005
			A	0	0	1,510,200	1,510,200
1.2	A Monitoring Unit overseeing GPL's operations is established.	# of Units	P	1	1	30,000	138,000
			P(a)	1	1	26,874	135,950
			A	0	0	1,400	1,400

Component Nbr. 2 Component II - Operational Efficiency

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2019	2016	EOP 2019
2.1	Assessments for SCADA system expansion completed	# of Assessments	P	2	4	324,000	540,000
			P(a)	1	4	25,000	849,200
			A	0	0	0	0
2.2	GPL's staff teams trained in power systems operations.	# of staff teams trained	P	1	4	430,000	1,005,000
			P(a)	0	4	0	492,745
			A	0	0	0	1,714.94
2.3	New GPL's divisional staff teams created.	# of staff teams created	P	2	3	646,875	1,613,000
			P(a)	1	4	25,000	866,495.98
			A	1	1	0	1,895.98
2.4	A Procurement and Inventory Control (PIC) system executed	# of Systems	P	0	1	0	123,000
			P(a)	0	1	28,367.95	172,967.05
			A	0	1	0	94,632.05
2.5	A Customer Information System (CIS) upgraded	# of Systems	P	1	1	25,000	50,000
			P(a)	0	1	26,339	112,777
			A	0	0	18,800	25,192
2.6	A Management Information System (MIS) implemented.	# of System	P	0	1	0	50,000
			P(a)		1	15,000	150,000
			A	0	0	0	0
2.7	Training programs carried out through the MSP.	# of Programs	P	1	3	261,714	971,000
			P(a)	1	1	10,000	345,400
			A	0	0	0	0

Component Nbr. 3 Component III - Infrastructure investments for loss reduction

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2019	2016	EOP 2019
3.1	Kilometers of the distribution network rehabilitated.	km	P	100	830	5,625,000	41,500,000
			P(a)	0	830	3,994,010	48,864,217.64
			A	0	0	165,300	7,094,605.64
3.2	Social Management Program executed.	# of Programs	P	0	1	345,000	1,500,000
			P(a)	0	1	43,000	449,954.57
			A	0	0	42,900	63,143.57

Other Cost

	Administration	P			400,000	2,000,000
		P(a)			371,871	1,485,448.35
		A			337,900	563,617.35

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OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

	Contingency	P			0	4,699,125
		P(a)			0	268,008
		A			0	0
	Financial and technical auditing, monitoring and evaluation	P			100,000	639,250
		P(a)			0	117,787
		A			12,000	12,000
	IDB Admin FEE	P			0	538,625
		P(a)			0	538,625
		A			0	538,625
	Supervision Firm	P			400,000	2,000,000
		P(a)			535,000	2,160,479.78
		A			0	406.78

Total Cost

	Total Cost	P			10,587,589	64,573,000
		P(a)			6,541,661.95	64,573,060.37
		A			2,088,500	9,907,433.31

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CHANGES TO THE MATRIX

Section	Name	Type of Change	Reasons	Entered in the System	Agreed with Executing Agency
Output	A Customer Information System (CIS) upgraded	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	New GPL's divisional staff teams created.	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	Kilometers of the distribution network rehabilitated.	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	GPL's staff teams trained in power systems operations.	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	New GPL's divisional staff teams created.	Modify Output	EA plannification updated	03/08/2017	03/15/2017
Output	A Monitoring Unit overseeing GPL's operations is established.	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	Training programs carried out through the MSP.	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	Social Management Program executed.	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	Training programs carried out through the MSP.	Modify Output	EA plannification updated	03/08/2017	03/15/2017
Output	Assessments for SCADA system expansion completed	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	A Procurement and Inventory Control (PIC) system executed	Modify Output	EA plannification updated	03/14/2017	03/15/2017
Output	A Management Strengthening Program (MSP) executed	Modify Output	EA plannification updated	03/14/2017	03/15/2017