



Operation Number: **GY-L1025**
Year- PMR Cycle: **First period Jan-Jun 2016**
Last Update: **9/24/2016**
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:	Georgetown Sanitation Improvement Program	Loan Number:	2428/BL-GY
Executing Agency (EA):	Guyana Water Incorporated		
Team Leader:	Mellinger,Yvon	Sector/Subsector:	AS
Operation Type:	Loan Operation	Overall Stage:	Fully Disbursed
Lending Instrument:	Investment Loan	Country:	GUYANA
Borrower:	COOPERATIVE REPUBLIC OF GUYANA	Convergence related Operation(s):	

Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
GY-L1025	\$9,500,000.00	\$9,500,000.00	\$500,000.00		\$10,000,000.00

Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
GY-L1025	\$9,500,000.00	\$9,500,000.00	100.00%	\$0.00

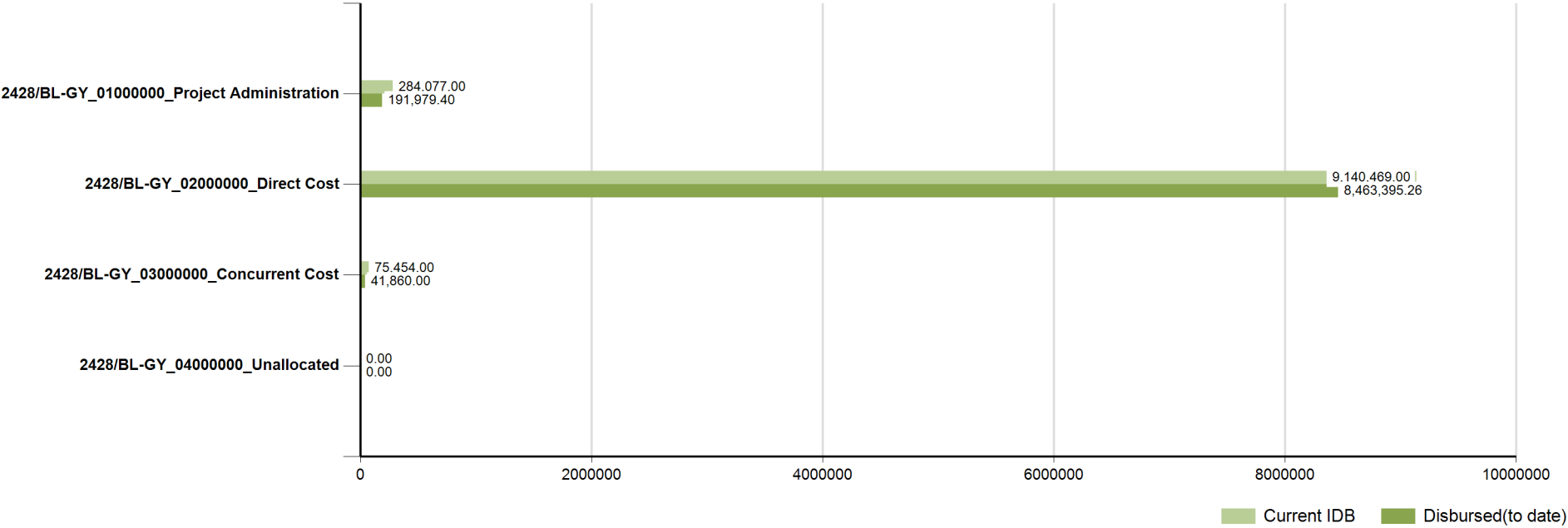
Environmental and Social Safeguards

Main Operation	
Impacts Category:	B
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

No information related to this operation.

Outcomes

Outcome:	1 Georgetown sewerage system performance improved																			
Observation:																				
Indicators							Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2011	2012	2013	2014	2015	2016	EOP	
1.1 Households served by an improved sewerage system								Households (#)	0.00	2010	GWI Statistics; Semi Annual Report		P	0.00	0.00	0.00	8,500.00	4,500.00		13,000.00
													P(a)	0.00	0.00	0.00	8,500.00	0.00		13,000.00
													A	0.00	0.00	0.00	13,000.00	13,000.00		13,000.00
Outcome:	2 GWI capacity to Operate and Maintain assets increased																			
Observation:																				
Indicators							Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2011	2012	2013	2014	2015	2016	EOP	
2.1 Number of breakdowns per year								breakdowns	354.00	2012	GWI work sheet orders, GWI monthly Board Reports, Semi-annual reports to IDB (Information provided by the Sanitation Department).		P							
													P(a)			301.00	256.00	217.00		217.00
													A			95.00	38.00	30.00		30.00
Outcome:	3 Energy use in Guyana Water Incorporated (GWI) improved																			
Observation:																				
Indicators							Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2011	2012	2013	2014	2015	2016	EOP	
3.1 Energy consumption in 12 pilot facilities								MWh/year	5,946.00	2013	GWI Station Consumption Report, GWI monthly Board Reports, Semiannual reports to IDB		P	3,300.00	3,000.00	2,900.00	2,700.00	2,600.00		2,600.00
													P(a)	3,300.00	3,000.00	2,900.00	4,625.00	4,625.00		4,625.00
													A	3,300.00	3,300.00	5,012.00	4,985.00	4,700.00		4,700.00

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							P(a)	0.00	0.00	0.00	8,500.00	0.00		13,000.00
							A	0.00	0.00	0.00	13,000.00	13,000.00		13,000.00
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							P(a)	3,300.00	3,000.00	2,900.00	4,625.00	4,625.00		4,625.00
							A	3,300.00	3,300.00	5,012.00	4,985.00	4,700.00		4,700.00

Outcome:		4 Water-related Neglected Tropical Diseases controlled and, where feasible, eliminated in Region 4											
Observation:													
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2011	2012	2013	2014	2015	2016	EOP
4.1 Soil-Transmitted Helminthiasis (STH) and Lymphatic filariasis (LF) prevalence estimated		Assessments	0.00	2010	Ministry of health report of prevalence assessments		P		1.00	1.00	0.00	1.00	3.00
							P(a)		1.00	0.00	1.00	1.00	3.00
							A		1.00	0.00	1.00	1.00	1.00
4.2 Prevalence of Lymphatic filariasis (LF) infection		% of population infected	20.00	2001	Ministry of health report of prevalence assessments		P	0.00	5.00	2.00		1.00	1.00
							P(a)	0.00	5.00	0.00	2.00	1.00	1.00
							A		3.00		3.00	3.00	3.00
4.3 Prevalence of Soil-Transmitted Helminthiasis (STH) infection		% of population infected	25.00	2009	Ministry of health report of prevalence assessments	The baseline is nationwide, not specific for Region 4 (source: Hall, A. et al., 2009). A more precise and geo-specific baseline will be validated during the first year of the program.	P	0.00	25.00	16.00		10.00	10.00
							P(a)	0.00	25.00	0.00		10.00	10.00
							A		1.00		1.00		1.00
4.4 % of surveyed individuals who know key facts about the diseases (e.g. their causes and symptoms) and about MDA (e.g. that it is harmless, free, targeted at the entire population etc.)		Percentage	0.00	2009	Ministry of health report of KAP survey	The baseline is not available, and will be determined during year 1 of implementation.	P		40.00	60.00		80.00	80.00
							P(a)		40.00	0.00		80.00	80.00
							A		40.25	0.00		40.25	40.25

 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

Rehabilitation of Georgetown s sewerage system		Physical Progress		Financial Progress	
Outputs	Unit of Measure	EOP		EOP	
Ring main replaced	Kilometers	P	5.50	P	3,413,907.00
		P(a)	5.50	P(a)	2,025,907.00
		A	5.40	A	2,141,907.00
Delivery mains replaced	Kilometers	P	6.00	P	426,000.00
		P(a)	5.00	P(a)	841,000.00
		A	4.40	A	1,020,000.00
Sewerage pumps (purchased and) installed	Pumps	P	24.00	P	1,799,938.00
		P(a)	24.00	P(a)	1,228,000.00
		A	24.00	A	1,217,000.00
Existing sewerage pumps installed	Pumps	P	9.00	P	68,186.00
		P(a)	9.00	P(a)	123,000.00
		A	9.00	A	133,000.00
Gravity street sewers assessed	Sewer basins	P	1.00	P	551,769.00
		P(a)	2.00	P(a)	1,129,000.00
		A	1.00	A	700,971.00
Pumping stations rehabilitated	Pumping stations	P	9.00	P	145,741.00
		P(a)	9.00	P(a)	1,626,000.00
		A	9.00	A	1,685,000.00
Gravity street sewers rehabilitated	Meters	P	200.00	P	116,622.00
		P(a)	0.00	P(a)	486,000.00
		A	0.00	A	38,000.00
Combination sewerage tanker purchased	Tankers	P	1.00	P	150,000.00
		P(a)	1.00	P(a)	351,000.00
		A	1.00	A	351,000.00
Institutional strengthening of Guyana Water Inc. (GWI)		Physical Progress		Financial Progress	
Outputs	Unit of Measure	EOP		EOP	
Asset management strategy developed	Strategies	P	1.00	P	150,000.00
		P(a)	1.00	P(a)	50,000.00
		A	1.00	A	34,557.00
Training sessions performed within Guyana Water Inc. (GWI) on wastewater management and energy efficiency	Training sessions	P	10.00	P	142,727.00
		P(a)	11.00	P(a)	229,927.00
		A	10.00	A	78,927.00
Schools where awareness campaign has been completed	Schools	P	20.00	P	35,000.00
		P(a)	26.00	P(a)	4,500.00
		A	26.00	A	3,000.00
Seminars for hotel and restaurant owners carried out	Seminars	P	10.00	P	15,000.00
		P(a)	3.00	P(a)	9,000.00
		A	2.00	A	4,000.00
Energy efficiency pilot project		Physical Progress		Financial Progress	
Outputs	Unit of Measure	EOP		EOP	
Portable measuring equipment purchased	Equipment	P	9.00	P	73,796.00
		P(a)	9.00	P(a)	68,796.00
		A	9.00	A	68,796.00
Hydraulic efficiency models completed	Hydraulic models	P	2.00	P	30,000.00
		P(a)	2.00	P(a)	30,000.00
		A	2.00	A	29,000.00

Pumping stations optimized (rehabilitated, calibrated, etc.)	Pumping stations	P	12.00	P	168,200.00
		P(a)	12.00	P(a)	116,600.00
		A	54.00	A	392,232.00
Prevalence Reduction in Water Related Diseases		Physical Progress		Financial Progress	
Outputs	Unit of Measure	EOP		EOP	
Baseline survey of Lymphatic Filariasis (LF) and Soil-Transmitted Helminthiasis (STH) prevalence carried out	Surveys	P	1.00	P	14,240.00
		P(a)	1.00	P(a)	14,240.00
		A	1.00	A	6,000.00
Follow up Lymphatic Filariasis (LF) and Soil-Transmitted Helminthiasis (STH) prevalence surveys carried out	Surveys	P	2.00	P	28,470.00
		P(a)	2.00	P(a)	15,000.00
		A	1.00	A	0.00
Knowledge Attitudes and Practices surveys carried out	Surveys	P	3.00	P	5,690.00
		P(a)	2.00	P(a)	6,000.00
		A	1.00	A	1,000.00
Drugs (donated or purchased) successfully distributed	Drugs	P	5,226,410.00	P	163,032.00
		P(a)	1,796,692.00	P(a)	325,472.00
		A	1,746,692.00	A	281,272.00
Surveys to validate reported drug coverage carried out	Surveys	P	5.00	P	5,690.00
		P(a)	1.00	P(a)	20,000.00
		A	0.00	A	0.00
Neighbourhood Democratic Councils (NDCs) in which social mobilization and health education workshops are carried out	Councils	P	30.00	P	57,010.00
		P(a)	60.00	P(a)	92,000.00
		A	60.00	A	57,000.00
Management, contingencies and others					

Other Cost		Cost
Auditing	P	\$120,000.00
	P(a)	\$30,000.00
	A	\$0.00
Contingencies	P	\$1,234,474.00
	P(a)	\$360,000.00
	A	\$0.00
Financial charges	P	\$131,000.00
	P(a)	\$33,000.00
	A	\$0.00
Monitoring and Evaluation	P	\$60,000.00
	P(a)	\$74,000.00
	A	\$41,860.45
Project Management for Unit within Ministry of Health	P	\$15,000.00
	P(a)	\$15,495.00
	A	\$15,495.00
Project Managment for GWI	P	\$249,792.00
	P(a)	\$210,292.00
	A	\$170,067.00
Work supervision	P	\$600,000.00
	P(a)	\$512,600.00
	A	\$512,000.00

Total Cost		Total Cost
	P	\$9,971,284.00
	P(a)	\$9,499,589.00
	A	\$8,982,084.45

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.