



Operation Number: **SU-L1018**  
Year- PMR Cycle: **First period Jan-Jun 2014**  
Last Update: **11/4/2014**  
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **11/05/2014**  
Division Chief validation date: **11/06/2014**  
Country Representative validation date: **12/01/2014**

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

## Operation Profile

### Basic Data

Operation name:	Water Supply Infrastructure Rehabilitation	Loan Number:	2451/OC-SU
Executing Agency (EA):	Surinaamsche Waterleiding Maatschapij		
Team Leader:	Basani,Marcello	Sector/Subsector:	AS
Operation Type:	Loan Operation	Overall Stage:	Disbursing (From eligibility until all the loans are closed).
Lending Instrument:	Investment Loan	Country:	SURINAME
Borrower:	REPUBLIC OF SURINAME		Convergence related Operation(s):

### Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
SU-L1018	\$12,000,000.00	\$12,000,000.00	\$500,000.00	\$0.00	\$12,500,000.00

### Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
SU-L1018	\$12,000,000.00	\$3,101,706.44	25.85%	\$8,898,293.56

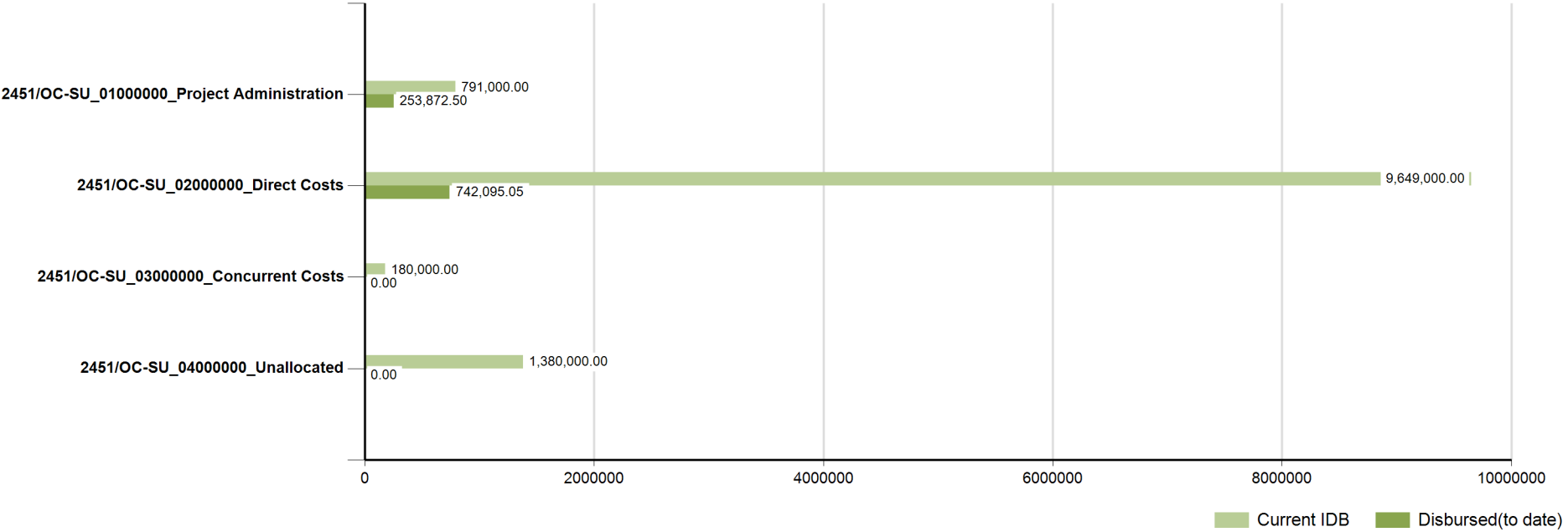
### Environmental and Social Safeguards

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 Water supply network in Greater Paramaribo improved																		
Observation:																			
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2012						2013	2014	2015	2016	EOP		
							P				6,560.00	3,560.00	1,480.00	11,600.00					
							P(a)				5,000.00		5,000.00	10,000.00					
1.1 Households connected to an upgraded water supply network	RF	Households	0.00	2010	SWM statistics; Project Progress Reports		A			2,600.00									
Outcome:	2 Level of Non Revenue Water (NRW) decreased																		
Observation:																			
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2012						2013	2014	2015	2016	EOP		
							P						18.45	18.45					
							P(a)						18.45	18.45					
2.1 Volume of potable water billed		mill m3/year	16.70	2010	SWM financial data; Project Monitoring and Evaluation System	The baseline is based on assumptions that needs to be validated during the NRW program to be financed through the proposed operation. More accurate figures will be provided by the end of the second year of project implementation.	A												

2.2 Level of Non Revenue Water (NRW) in areas targeted by the project through the Non Revenue Water (NRW) program						The baseline is based on assumptions that needs to be validated during the NRW program to be financed through the proposed operation. An accurate water balance analysis will allow to obtain a reliable baseline by the end of the second year of project impl	<b>P</b>			41.00	38.00	35.00	35.00
							<b>P(a)</b>			45.00	38.00	35.00	35.00
							<b>A</b>			0.00			
		percentage points	45.00	2010	Consultant report; SWM measurements; Project Monitoring and Evaluation System								

Outcome:	3 Energy use in SWM improved
Observation:	

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2012		2013	2014	2015	2016	EOP
3.1 Energy Consumption in the 8 pilot facilities		MWh/year	13,000.00	2009	Evaluation Report on the Analysis of operating Electrical Costs of the works financed through the Project		P		12,500.00	12,000.00	11,000.00	10,000.00	10,000.00
							P(a)		12,500.00	12,500.00	11,000.00	10,000.00	10,000.00
							A		13,000.00	0.00			

Outcome:	4 Water supply agencies capacity (in O&M and water quality monitoring) improved
Observation:	

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	2012		2013	2014	2015	2016	EOP
4.1 Time response to complains		Days	10.00	2010	SWM statistics; Project Monitoring and Evaluation System	This indicator will be refined at project inception	P			8.00	7.00	5.00	5.00
	P(a)								8.00	7.00	5.00	5.00	
	A								0.00				

 RF - RF Indicator

 SI - Sector Indicator

 CI - Country Indicator

 PG - Pro-Gender

 PE - Pro-Ethnicity

## Outputs: Annual Physical and Financial Progress

Water Supply System Rehabilitation		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2014	EOP		2014	EOP
Asbestos pipes replaced	Km	P	8.00	16.00	P	1,461,000.00	2,200,000.00
		P(a)	0.00	16.00	P(a)	323,000.00	2,200,000.00
		A	0.00	0.00	A	0.00	0.00
Secondary distribution network pipes replaced	Km	P	17.00	35.00	P	425,000.00	987,000.00
		P(a)	0.00	12.50	P(a)	713,000.00	987,000.00
		A	0.00	0.00	A	0.00	0.00
Secondary distribution network pipes re-laid	Km	P	40.00	70.00	P	699,000.00	1,435,114.70
		P(a)	0.00	45.00	P(a)	100,000.00	1,435,484.70
		A	0.00	0.00	A	0.00	32,484.70
Micro meters installed in Wanica and Para	Micro Meters	P	1,500.00	3,000.00	P	150,000.00	240,000.00
		P(a)	0.00	0.00	P(a)		0.00
		A	0.00	0.00	A	0.00	0.00
Household Connections (including micro meters) in Leidingen replaced	Connections	P	2,400.00	5,000.00	P	72,000.00	487,000.00
		P(a)	5,000.00	5,000.00	P(a)	291,000.00	727,000.00
		A	2,600.00	2,600.00	A	173,779.00	594,703.20
Cast-Iron pipe replaced with Polyvinyl chloride (PVC) pipe	Km	P	7.00	7.00	P	241,000.00	651,000.00
		P(a)	0.00	7.00	P(a)	630,000.00	650,000.00
		A	0.00	0.00	A	0.00	0.00
Non Revenue Water Program		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2014	EOP		2014	EOP
Flow and pressure meters installed	Meters	P	40.00	80.00	P	650,000.00	1,000,000.00
		P(a)	0.00	80.00	P(a)	500,000.00	1,000,000.00
		A	0.00	0.00	A	22,985.00	22,985.00
Suriname Water Company (SWM) Staff trained on Non Revenue Water (NRW)	People	P	5.00	10.00	P	30,000.00	50,000.00
		P(a)	5.00	10.00	P(a)		50,000.00
		A	0.00	0.00	A	0.00	0.00
Final designs for civil works (on network rehabilitation and interventions related to Non Revenue Water reduction) completed	Designs	P	1.00	1.00	P	262,000.00	641,000.00
		P(a)	0.00	1.00	P(a)		641,000.00
		A	0.00	0.00	A	0.00	0.00
Non Revenue Water (NRW) program implemented by the Suriname Water Company (SWM)	Program	P		1.00	P	410,000.00	500,000.00
		P(a)	0.00	1.00	P(a)		500,000.00
		A	0.00	0.00	A	0.00	0.00
Energy efficiency pilot project		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2014	EOP		2014	EOP
Portable measuring equipment purchased	Equipment	P		12.00	P	0.00	42,111.74
		P(a)	5.00	12.00	P(a)	18,791.26	42,000.00
		A	5.00	12.00	A	18,259.00	41,467.74
Pumping stations optimized (rehabilitated, calibrated, etc.)	Pumping stations	P	4.00	8.00	P	180,000.00	460,000.00
		P(a)	2.00	8.00	P(a)	106,000.00	448,000.00
		A	0.00	0.00	A	10,244.00	32,439.00
Institutional strengthening		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2014	EOP		2014	EOP
Suriname Water Company (SWM) Staff trained on energy efficiency	People	P	21.00	21.00	P	2,000.00	12,000.00
		P(a)	21.00	21.00	P(a)	2,000.00	12,000.00
		A	21.00	41.00	A	1,951.00	11,951.00

Department for Water Supply under the Ministry of Natural Resources (NH/DWC) Staff trained on water quality	People	P		5.00	P	8,000.00	30,000.00
		P(a)	20.00	20.00	P(a)	42,000.00	42,000.00
		A	21.00	21.00	A	17,507.00	17,507.00
Management Information System integration completed	Systems	P	1.00	1.00	P	144,000.00	220,000.00
		P(a)	0.00	1.00	P(a)	20,000.00	220,000.00
		A	0.00	0.00	A	0.00	0.00
Information and Communication Technology (ICT) Servers upgraded	Servers	P	1.00	2.00	P	190,000.00	300,000.00
		P(a)	0.00	2.00	P(a)		300,000.00
		A	0.00	0.00	A	0.00	0.00
Suriname Water Company (SWM) Staff trained on Operation and Maintenance (O&M)	people	P	10.00	20.00	P	50,000.00	103,000.00
		P(a)	10.00	20.00	P(a)		90,000.00
		A	0.00	0.00	A	0.00	0.00
Management, contingencies and others							

Other Cost		2014	Cost
Project administration	P	\$175,000.00	\$791,387.00
	P(a)	\$71,000.00	\$791,000.00
	A	\$34,066.00	\$249,378.80
Auditing	P	\$40,000.00	\$120,000.00
	P(a)	\$32,500.00	\$120,000.00
	A	\$25,609.00	\$25,609.00
Work supervision	P	\$85,000.00	\$250,000.00
	P(a)	\$32,500.00	\$250,000.00
	A	\$0.00	\$0.00
Monitoring and Evaluation	P	\$30,000.00	\$60,000.00
	P(a)	\$14,781.00	\$60,000.00
	A	\$14,431.00	\$16,931.00
Contingencies	P	\$850,000.00	\$1,700,050.00
	P(a)		\$1,700,000.00
	A	\$0.00	\$50.00
Financial charges	P	\$45,000.00	\$180,000.00
	P(a)		\$180,000.00
	A	\$510.00	\$2,914.80
Project standard information campaign	P	\$21,000.00	\$54,000.00
	P(a)	\$27,000.00	\$54,000.00
	A	\$0.00	\$0.00
Total Cost		2014	Total Cost
	P	\$6,220,000.00	\$12,513,663.44
	P(a)	\$2,923,572.26	\$3,314,872.64
	A	\$319,341.00	\$1,048,421.24

## 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.