



Operation Number: **SU-L1018**
Year- PMR Cycle: **Second period Jan-Dec 2015**
Last Update: **3/30/2016**
PMR Validation Stage: **Validated by Representative**

Chief of Operations validation date: **03/31/2016**
Division Chief validation date: **03/31/2016**
Country Representative validation date: **04/27/2016**

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:	Mellinger, Yvon	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	\$7,889,180.44	65.74%	\$4,110,819.56

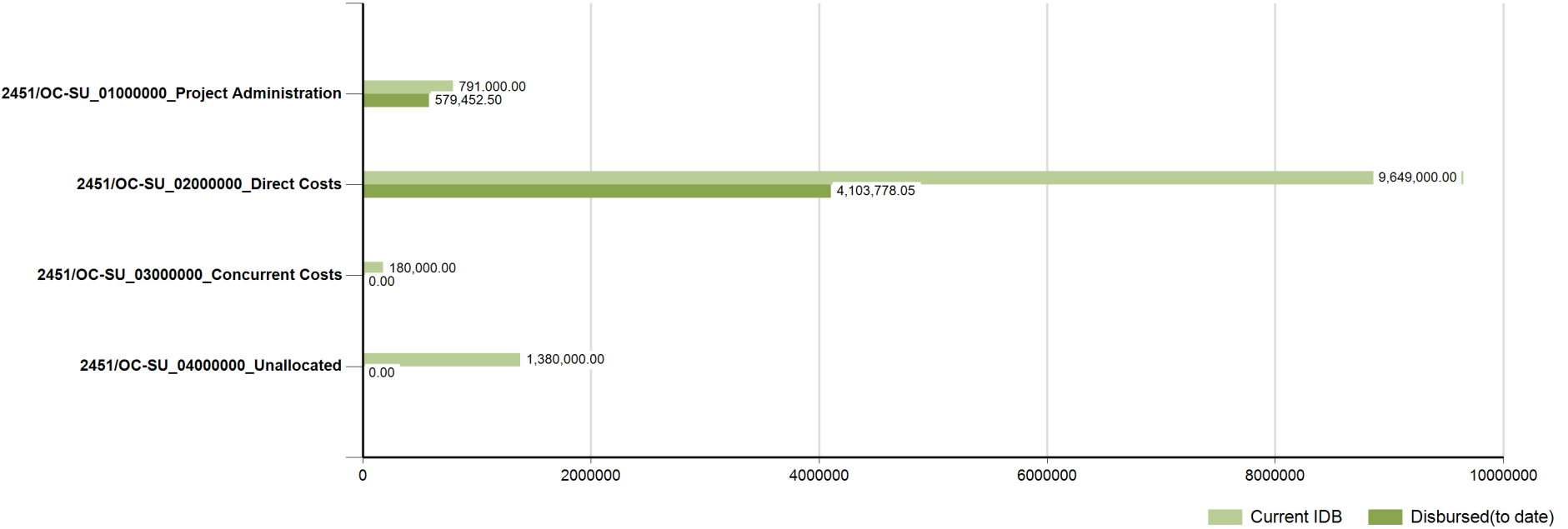
Environmental and Social Safeguards

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	2017	EOP	
1.1 Households connected to an upgraded water supply network	 RF	Households	0.00	2010	SWM statistics; Project Progress Reports		P			6,560.00	3,560.00	1,480.00		11,600.00
							P(a)			5,000.00		5,000.00		10,000.00
							A			5,000.00	0.00			
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	2017	EOP	
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. An accurate water balance analysis will allow to obtain a reliable baseline, this is expected to be available in 2015.	P					18.45		18.45
							P(a)					18.45		18.45
							A				0.00			

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	2017	EOP	
1.1 Households connected to an upgraded water supply network	 RF	Households	0.00	2010	SWM statistics; Project Progress Reports		P			6,560.00	3,560.00	1,480.00		11,600.00
							P(a)			5,000.00		5,000.00		10,000.00
							A			5,000.00	0.00			
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	2017	EOP	
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. An accurate water balance analysis will allow to obtain a reliable baseline, this is expected to be available in 2015.	P					18.45		18.45
							P(a)					18.45		18.45
							A				0.00			

2.2 Level of Non Revenue Water (NRW) in areas targeted by the project through the Non Revenue Water (NRW) program		percentage points	45.00	2010	Consultant report; SWM measurements; 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. An accurate water balance analysis will allow to obtain a reliable baseline. This is expected to be available in 2015.	P			41.00	38.00	35.00		35.00
							P(a)			45.00	42.00	35.00		35.00
							A			45.00	44.00			

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	2017	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	12,000.00	12,600.00	12,200.00
							A		13,000.00	12,965.00	12,965.00		

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	2017	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			8.00	7.00			

 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		2015	EOP		2015	EOP
Asbestos pipes replaced	Km	P	8.00	16.00	P	579,000.00	2,200,000.00
		P(a)	3.00	24.00	P(a)	408,235.00	2,200,000.00
		A	4.40	4.40	A	482,185.00	787,725.00
Secondary distribution network pipes replaced	Km	P	18.00	35.00	P	303,000.00	987,000.00
		P(a)	3.00	12.50	P(a)	201,408.00	987,000.00
		A	12.10	12.10	A	159,718.00	934,087.00
Secondary distribution network pipes re-laid	Km	P	30.00	70.00	P	580,000.00	1,435,114.70
		P(a)	10.00	11.00	P(a)	638,688.00	1,435,114.70
		A	11.00	11.00	A	154,685.00	187,169.70
Micro meters installed in Wanica and Para	Micro Meters	P	1,500.00	3,000.00	P	90,000.00	240,000.00
		P(a)		0.00	P(a)		192,000.00
		A	0.00	0.00	A	0.00	0.00
Household Connections (including micro meters) in Leidingen replaced	Connections	P	2,300.00	5,000.00	P	0.00	487,000.00
		P(a)		5,000.00	P(a)	3,894.00	697,355.20
		A	0.00	5,000.00	A	3,894.00	697,355.20
Cast-Iron pipe replaced with Polyvinyl chloride (PVC) pipe	Km	P		7.00	P		651,000.00
		P(a)	3.00	7.00	P(a)	249,129.00	651,000.18
		A	0.00	0.00	A	4,617.00	618,172.00
Non Revenue Water Program		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Flow and pressure meters installed	Meters	P	40.00	80.00	P	230,000.00	1,000,000.00
		P(a)	30.00	94.00	P(a)	247,539.00	999,999.86
		A	44.00	53.00	A	181,908.00	418,766.00
Suriname Water Company (SWM) Staff trained on Non Revenue Water (NRW)	People	P		10.00	P		50,000.00
		P(a)	5.00	15.00	P(a)	10,000.00	66,514.00
		A	20.00	30.00	A	0.00	16,514.00
Final designs for civil works (on network rehabilitation and interventions related to Non Revenue Water reduction) completed	Designs	P		1.00	P	200,000.00	641,000.00
		P(a)		1.00	P(a)	141,000.00	641,000.00
		A		0.00	A	76,500.00	76,500.00
Non Revenue Water (NRW) program implemented by the Suriname Water Company (SWM)	Program	P	1.00	1.00	P		500,000.00
		P(a)		1.00	P(a)	138,025.00	500,000.46
		A	0.00	0.00	A	98,012.00	154,552.00
Energy efficiency pilot project		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Portable measuring equipment purchased	Equipment	P		12.00	P		42,111.74
		P(a)		12.00	P(a)		42,000.00
		A		12.00	A		42,029.74
Pumping stations optimized (rehabilitated, calibrated, etc.)	Pumping stations	P	2.00	8.00	P	170,000.00	460,000.00
		P(a)	2.00	8.00	P(a)	74,750.00	460,243.98
		A	1.00	3.00	A	60,226.00	125,350.00
Institutional strengthening		Physical Progress			Financial Progress		
Outputs	Unit of Measure		2015	EOP		2015	EOP
Suriname Water Company (SWM) Staff trained on energy efficiency	People	P		21.00	P		12,000.00
		P(a)		21.00	P(a)		12,000.00
		A		41.00	A		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		30,000.00
		P(a)		20.00	P(a)		42,000.00
		A		21.00	A		42,127.00
Management Information System integration completed	Systems	P		1.00	P		220,000.00
		P(a)		1.00	P(a)	100,000.00	219,999.96
		A		0.00	A	13,334.00	19,049.00
Information and Communication Technology (ICT) Servers upgraded	Servers	P	1.00	2.00	P	100,000.00	300,000.00
		P(a)		2.00	P(a)	50,000.00	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	53,000.00	103,000.00
		P(a)	10.00	20.00	P(a)		86,486.00
		A	10.00	10.00	A	1,953.35	1,953.35
Management, contingencies and others							

Other Cost		2015	Cost
Project administration	P	\$175,000.00	\$791,387.00
	P(a)	\$118,632.00	\$791,386.77
	A	\$206,709.00	\$534,851.80
Auditing	P	\$40,000.00	\$120,000.00
	P(a)	\$13,410.00	\$119,999.69
	A	\$12,482.00	\$43,313.00
Work supervision	P	\$90,000.00	\$250,000.00
	P(a)	\$50,000.00	\$250,000.00
	A	\$0.00	\$0.00
Monitoring and Evaluation	P		\$60,000.00
	P(a)		\$60,000.00
	A		\$16,931.00
Contingencies	P	\$850,000.00	\$1,700,050.00
	P(a)		\$1,700,050.00
	A		\$50.00
Financial charges	P	\$45,000.00	\$180,000.00
	P(a)		\$180,000.00
	A	\$2,603.00	\$7,170.80
Project standard information campaign	P	\$19,600.00	\$54,000.00
	P(a)	\$5,000.00	\$54,000.00
	A	\$0.00	\$0.00
Total Cost		2015	Total Cost
	P	\$3,524,600.00	\$12,513,663.44
	P(a)	\$2,449,710.00	\$12,496,258.54
	A	\$1,458,826.35	\$4,735,617.59

Changes to the Matrix

Section	Name	Type of Change	Reasons	Entered in the System	Agreed with Executing Agency
Output	Micro meters installed in Wanica and Para	Inactivate Output	The output was inactivated since the output "1.5 Household Connections (including micro meters) in Leidingen replaced " already catered for the replacement of micro meters in this areas.	3/18/2016	2/29/2016
Output	Suriname Water Company (SWM) Staff trained on Operation and Maintenance (O&M)	Modify Physical P(a) value	The physical EOP target remains the same.	3/18/2016	2/29/2016
Output	Suriname Water Company (SWM) Staff trained on Operation and Maintenance (O&M)	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on current contracts and relevant adjustments in the implementation schedule of the project.	3/18/2016	2/29/2016

Output	Information and Communication Technology (ICT) Servers upgraded	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised cost estimates for the output.	3/18/2016	2/29/2016
Output	Management Information System integration completed	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised cost estimates for the output.	3/18/2016	2/29/2016
Output	Department for Water Supply under the Ministry of Natural Resources (NH/DWC) Staff trained on water quality	Modify Financial P(a) value	The output has been completed, the financial value reflects the end value of the contract which was higher than initially anticipated.	3/18/2016	2/29/2016
Output	Suriname Water Company (SWM) Staff trained on energy efficiency	Modify Financial P(a) value	The output has been completed, the financial value reflects the final contract amount, which was slightly lower than initially planned.	3/18/2016	2/29/2016
Output	Pumping stations optimized (rehabilitated, calibrated, etc.)	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised cost estimates for the output.	3/18/2016	2/29/2016
Output	Portable measuring equipment purchased	Modify Financial P(a) value	The output has been completed, the financial value reflects the final contract amount, which was slightly lower than initially planned.	3/18/2016	2/29/2016
Output	Non Revenue Water (NRW) program implemented by the Suriname Water Company (SWM)	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised implementation schedule.	3/18/2016	2/29/2016
Output	Flow and pressure meters installed	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised implementation schedule.	3/18/2016	2/29/2016
Output	Cast-Iron pipe replaced with Polyvinyl chloride (PVC) pipe	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised implementation schedule.	3/18/2016	2/29/2016
Output	Micro meters installed in Wanica and Para	Modify Financial P(a) value	This output was not implemented due to a duplication of activities under the output "1.5 Household Connections (including micro meters) in Leidingen replaced".	3/18/2016	2/29/2016
Output	Secondary distribution network pipes re-laid	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised implementation schedule.	3/18/2016	2/29/2016
Output	Secondary distribution network pipes replaced	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised implementation schedule.	3/18/2016	2/29/2016
Output	Asbestos pipes replaced	Modify Financial P(a) value	The Executing Agency adjusted the financial planning based on revised implementation schedule and estimate cost of the output.	3/18/2016	2/29/2016
Output	Department for Water Supply under the Ministry of Natural Resources (NH/DWC) Staff trained on water quality	Modify Physical P(a) value	The number of staff to be trained was adjusted to a more realistic number in 2014.	3/18/2016	2/29/2016
Output	Flow and pressure meters installed	Modify Physical P(a) value	The Executing Agency expects to procure and installed additional flow and pressure meters than initially planned. The 2016 planning was adjusted to reflect this. The EOP target was modified to 94.	3/18/2016	2/29/2016
Output	Secondary distribution network pipes re-laid	Modify Physical P(a) value	The Executing Agency decided to reduce the scope of the relaying of the network due to several issues encountered while relaying the network in La Vigilantia. Instead of relaying 45 km the relaying was done for only 11. The financial resources remaining under this output will be utilized to enhance the results of the replacement of asbestos pipes.	3/18/2016	2/29/2016
Output	Asbestos pipes replaced	Modify Physical P(a) value	The EOP target for this output has been increased by 8km for a total of 24km. This decision was done to utilize the remaining resources initially allocated for the relaying of the network and considering the greater benefits of replacing asbestos pipes.	3/18/2016	2/29/2016
Outcome	Energy Consumption in the 8 pilot facilities	Modify EOP P(a)	The energy consumption targets for 2016 and 2017 were adjusted in line with a recent audit conducted by Wategy (Consultancy Firm supporting implementation of Component 3).	3/18/2016	2/29/2016

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.