

PMR Operational Report

Operation Number	SU-L1018	Chief of Operations Validation Date	03/28/17
Year- PMR Cycle	Second period Jan-Dec 2016	Division Chief Validation Date	03/30/17
Last Update	04/12/17	Country Representative Validation Date	03/30/17
PMR Validation Stage	Validated by Representative		

Basic Data

Operation Profile

Operation Name	Water Supply Infrastructure Rehabilitation	Loan Number	2451/OC-SU
Executing Agency	Surinaamsche Waterleiding Maatschapij	Sector/Subsector	AS - WATER AND SANITATION
Team Leader	MELLINGER,YVON	Overall Stage	Disbursing (From eligibility until all the Operations are closed)
Operation Type	Loan Operation	Country	SURINAME
Lending Instrument	Investment Loan	Convergence related Operation(s)	
Borrower	REPUBLIC OF SURINAME		

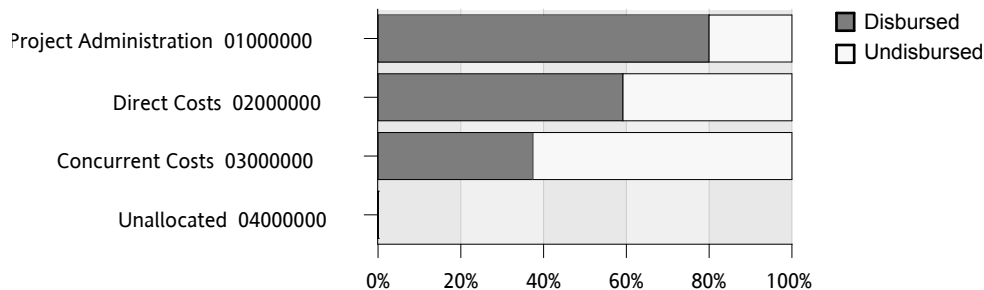
Environmental and Social Safeguards

Impacts Category	B	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
SU-L1018	12,000,000	12,000,000	500,000	0	12,500,000	12,000,000	9,780,116.44	81.50%	2,219,883.56
Aggregated	12,000,000	12,000,000	500,000	0	12,500,000	12,000,000	9,780,116.44	81.50%	2,219,883.56

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

No information available for this section

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RESULTS MATRIX

OUTCOMES

Outcome Nbr. 1: Water supply network in Greater Paramaribo improved

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2012	2013	2014	2015	2016	2017	EOP 2017
1.1	Households connected to an upgraded water supply network	Households (#)	0.0	2010	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	5,500.00		
Details												
Means of verification: SWM statistics; Project Progress Reports												
Pro-Gender	No	Pro-Ethnicity				No						
	Afro-descendant				P							
					P(a)							
					A							
	Indigenous				P							
					P(a)							
					A							

Outcome Nbr. 2: Level of Non Revenue Water (NRW) decreased

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2012	2013	2014	2015	2016	2017	EOP 2017
2.1	Volume of potable water billed	mill m3/year	16.7	2010	P					18.45		18.45
					P(a)					18.45		18.45
					A				0.00	24.40		
Details												
Means of verification: SWM financial data; Project Monitoring and Evaluation System												
Observations: 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.												
Pro-Gender		No	Pro-Ethnicity				No					
Indicator		Unit of Measure	Baseline	Baseline Year		2012	2013	2014	2015	2016	2017	EOP 2017
2.2	Level of Non Revenue Water (NRW) in areas targeted by the project through the Non Revenue Water (NRW) program	percentage points	45.0	2010	P			41.00	38.00	35.00		35.00
					P(a)			45.00	42.00	35.00		35.00

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OUTCOMES

2.2	Level of Non Revenue Water (NRW) in areas targeted by the project through the Non Revenue Water (NRW) program	percentage points	45.0	2010	A			45.00	44.00	39.80		
Details												
Means of verification: Consultant report; SWM measurements; Project Monitoring and Evaluation System												
Observations: 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.												
Pro-Gender		No				Pro-Ethnicity		No				

Outcome Nbr. 3: Energy use in SWM improved

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2012	2013	2014	2015	2016	2017	EOP 2017
3.1	Energy Consumption in the 8 pilot facilities	MWh/year	13000.0	2009	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	12,200.00
					A		13,000.00	12,965.00	12,965.00	12,965.00		
Details												
Means of verification: Evaluation Report on the Analysis of operating Electrical Costs of the works financed through the Project												
Pro-Gender		No				Pro-Ethnicity		No				

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

Observation:

Indicator		Unit of Measure	Baseline	Baseline Year		2012	2013	2014	2015	2016	2017	EOP 2017
4.1	Time response to complains	Days	10.0	2010	P			8.00	7.00	5.00		5.00
					P(a)			8.00	7.00	5.00		5.00
					A			8.00	7.00	5.00		
Details												
Means of verification: SWM statistics; Project Monitoring and Evaluation System												
Observations: This indicator will be refined at project inception												
Pro-Gender		No				Pro-Ethnicity		No				

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 1 Water Supply System Rehabilitation

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2017	2016	EOP 2017
1.1	Asbestos pipes replaced	Km	P		16		2,200,000
			P(a)	15	22	1,365,700	4,352,491.85
			A	13.6	18	681,269.85	1,468,994.85
1.2	Secondary distribution network pipes replaced	Km	P		35		987,000
			P(a)	0.4	12.5	52,913	1,093,959.98
			A	0.4	12.5	121,433.98	1,055,520.98
1.3	Secondary distribution network pipes re-laid	Km	P		70		1,435,114.7
			P(a)	0	11	1,247,945	279,560.36
			A	0	11	83,229.66	270,399.36
1.4	Household Connections (including micro meters) in Leidingen replaced	Connections	P		5,000		487,000
			P(a)		5,000		697,355.2
			A		5,000		697,355.2
1.5	Cast-Iron pipe replaced with Polyvinyl chloride (PVC) pipe	Km	P		7		651,000
			P(a)	7	7	32,828.18	1,352,496.75
			A	7	7	532,118.75	1,150,290.75

Component Nbr. 2 Non Revenue Water Program

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2017	2016	EOP 2017
2.1	Flow and pressure meters installed	Meters	P		80		1,000,000
			P(a)	41	101	203,165	543,607.55
			A	22	75	90,807.55	509,573.55
2.2	Suriname Water Company (SWM) Staff trained on Non Revenue Water (NRW)	People	P		10		50,000
			P(a)		15	50,000	16,514
			A		30	0	16,514
2.3	NRW Action Plan (on interventions related to Non Revenue Water reduction) completed	Designs	P		1		641,000
			P(a)	1	1	564,500	1,369,172.18
			A	1	1	751,686.18	828,186.18
2.4	Non Revenue Water (NRW) program implemented by the Suriname Water Company (SWM)	Program	P		1		500,000
			P(a)	1	1	345,448.46	266,904.42
			A	0.7	0.7	112,352.42	266,904.42

Component Nbr. 3 Energy efficiency pilot project

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2017	2016	EOP 2017
3.1	Portable measuring equipment purchased	Equipment	P		12		42,111.74
			P(a)		12		42,029.74
			A		12		42,029.74
3.2	Pumping stations optimized (rehabilitated, calibrated, etc.)	Pumping stations	P		8		460,000
			P(a)	3	8	334,893.98	445,428
			A	1	4	5,980	131,330

RESULTS MATRIX

OUTPUTS: ANNUAL PHYSICAL AND FINANCIAL PROGRESS

Component Nbr. 4 Institutional strengthening

	Output	Unit of Measure		PHYSICAL PROGRESS		FINANCIAL PROGRESS	
				2016	EOP 2017	2016	EOP 2017
4.1	Suriname Water Company (SWM) Staff trained on energy efficiency	People	P		21		12,000
			P(a)		21		11,951
			A		41		11,951
4.2	Department for Water Supply under the Ministry of Natural Resources (NH/DWC) Staff trained on water quality	People	P		5		30,000
			P(a)		20		42,127
			A		21		42,127
4.3	Management Information System upgrades completed	Systems	P		1		220,000
			P(a)	1	2	200,950.96	444,124
			A	0	0	0	19,049
4.4	Information and Communication Technology (ICT) Servers and server room upgraded	Servers	P		2		300,000
			P(a)	2	2	300,000	123,366.36
			A	0	0	16,412.36	16,412.36
4.5	Suriname Water Company (SWM) Staff trained on Operation and Maintenance (O&M)	people	P		20		103,000
			P(a)	10	20	84,532.65	6,032.35
			A	10	20	4,079	6,032.35

Other Cost

	Auditing	P			40,000	120,000
		P(a)			31,662	80,288
		A			7,095	50,408
	Contingencies	P				1,700,050
		P(a)				50
		A			0	50
	Financial charges	P			45,000	180,000
		P(a)			172,829.2	10,941.25
		A			3,770.45	10,941.25
	Monitoring and Evaluation	P			30,000	60,000
		P(a)			14,781	41,931
		A			0	16,931
	Project administration	P			189,000	791,387
		P(a)			71,600	790,148.37
		A			111,486.57	646,338.37
	Project standard information campaign	P				54,000
		P(a)			54,000	0
		A			0	0
	Work supervision	P				250,000
		P(a)			200,000	0
		A			0	0

Total Cost

	Total Cost	P			304,000	12,513,663.44
		P(a)			5,327,749.43	12,202,479.36
		A			2,521,721.77	7,257,339.36

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CHANGES TO THE MATRIX

Section	Name	Type of Change	Reasons	Entered in the System	Agreed with Executing Agency
Output	Management Information System upgrades completed	Modify Output	The output description was adjusted to reflect the activities, while the integration is still in view, the upgrading of the systems was a requirement prior to proceed with the integration.	03/20/2017	03/20/2017
Output	Secondary distribution network pipes replaced	Modify Output	The total budget for the activity was adjusted according to the value of signed contracts.	03/20/2017	03/20/2017
Output	Flow and pressure meters installed	Modify Output	The total budget for the activity was adjusted according to the estimated budget for contracts.	03/20/2017	03/20/2017
Output	Non Revenue Water (NRW) program implemented by the Suriname Water Company (SWM)	Modify Output	The cost of the output was updated to the actual cost spent by the executing Agency in related activities.	03/20/2017	03/20/2017
Output	Portable measuring equipment purchased	Modify Output	The cost of the output was updated to the actual cost spent by the executing Agency in related activities.	03/20/2017	03/20/2017
Output	Flow and pressure meters installed	Modify Output	The reported amount in 2015 was incorrect and is to be modified.	03/23/2017	03/23/2017
Output	Management Information System upgrades completed	Modify Output	The physical value was adjusted to reflect the planned activities, that is the upgrading of two information systems, Costumer Relationship Management (CRM) and Laboratory Information Management System (LIMS)	03/20/2017	03/20/2017
Output	Pumping stations optimized (rehabilitated, calibrated, etc.)	Modify Output	The total budget for the activity was adjusted according to the estimated budget for contracts.	03/20/2017	03/20/2017
Output	Suriname Water Company (SWM) Staff trained on Non Revenue Water (NRW)	Modify Output	The cost of the output was updated to the actual cost spent by the executing Agency in related activities.	03/20/2017	03/20/2017
Output	Department for Water Supply under the Ministry of Natural Resources (NH/DWC) Staff trained on water quality	Modify Output	The cost of the output was updated to the actual cost spent by the executing Agency in related activities.	03/20/2017	03/20/2017
Output	NRW Action Plan (on interventions related to Non Revenue Water reduction) completed	Modify Output	The total budget for the activity was adjusted according to the estimated budget for contracts.	03/20/2017	03/20/2017
Output	Suriname Water Company (SWM) Staff trained on Operation and Maintenance (O&M)	Modify Output	The cost of the output was updated to the actual cost spent by the executing Agency in related activities.	03/20/2017	03/20/2017
Output	Asbestos pipes replaced	Modify Output	The total budget for the activity was adjusted according to the value of signed contracts.	03/20/2017	03/20/2017
Output	Asbestos pipes replaced	Modify Output	Initially 16 km of pipes were to be replaced. SWM intends to use savings within the Loan to replace additional 6km. This contract is ongoing and expected to be completed in 2017.	03/20/2017	03/20/2017
Output	Secondary distribution network pipes re-laid	Modify Output	The total budget for the activity was adjusted according to the value of signed contracts.	03/20/2017	03/20/2017
Output	Management Information System upgrades completed	Modify Output	The total budget for the activity was adjusted according to the estimated budget for contracts.	03/20/2017	03/20/2017
Output	Suriname Water Company (SWM) Staff trained on energy efficiency	Modify Output	The cost of the output was updated to the actual cost spent by the executing Agency in related activities.	03/20/2017	03/20/2017
Output	NRW Action Plan (on interventions related to Non Revenue Water reduction) completed	Modify Output	The output description was adjusted to reflect the activities carried out. There was no designs develop, but rather the plan for creation of DMAs for the pilots and other related activities to enhance SWM management of NRW.	03/20/2017	03/20/2017
Output	Information and Communication Technology (ICT) Servers and server room upgraded	Modify Output	The output description was modified to reflect the actual activities, which include also the upgrading of the server room.	03/20/2017	03/20/2017
Output	Information and Communication Technology (ICT) Servers and server room upgraded	Modify Output	The total budget for the activity was adjusted according to the estimated budget for contracts.	03/20/2017	03/20/2017
Output	Cast-Iron pipe replaced with Polyvinyl chloride (PVC) pipe	Modify Output	The total budget for the activity was adjusted according to the value of signed contracts.	03/20/2017	03/20/2017