



Emergency Water and Electricity Services Upgrading Project (P148797)

AFRICA | Guinea-Bissau | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 10 | ARCHIVED on 24-Jun-2019 | ISR36168 |

Implementing Agencies: Ministry of Economy and Finance, PIU

Key Dates

Key Project Dates

Bank Approval Date: 29-May-2014

Effectiveness Date: 28-Jul-2014

Planned Mid Term Review Date: 09-Jan-2017

Actual Mid-Term Review Date: 09-Jan-2017

Original Closing Date: 30-Jun-2018

Revised Closing Date: 31-Dec-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the Project is to: (i) restore and increase the access of the population of the Recipient's capital city of Bissau to safe water and improve the quality of water services; and (ii) improve the reliability of electricity supply to the population of Bissau.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The objective of the Project is to: (a) restore and increase the access of the population of the Recipient's capital city of Bissau to safe water and improve the quality of water services; (b) improve the reliability of electricity supply to the population of Bissau; and (c) improve the performance of EAGB.

Components

Name

1. Water supply:(Cost \$20.75 M)
2. Electricity supply:(Cost \$13.31 M)
3. Support to project implementation and EAGB:(Cost \$13.44 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● High	● High

Implementation Status and Key Decisions

The initial project (22.5 MUSD) was approved in May 29, 2014, and an Additional Financing – AF (25 MUSD) was prepared and became effective in September 28, 2017, the closing date of the parent project and the AF is December 31, 2021. The Additional Financing will enable to scale up the



impact of the parent Project by financing new or rehabilitation of infrastructures in water and energy to enable to improve access to water and electricity services in Bissau, but also to start the reform process of EAGB, with the support of a private operator, through a Service Contract. The activities conducted so far under the parent project already enabled to have an impact on the ground:

- For electricity, most of the 10 kV underground cables have already been installed, tested and commissioned in Bissau's downtown. Eight substations have been upgraded from 6 kV to 10 kV and rehabilitated with new transformers. The network protection cells purchased under the project have been installed at EAGB's central substation, tested and transferred to EAGB. The replacement of the damaged cells is expected to increase the amount of electricity that EAGB will be able to distribute safely to its customers. All these activities contributed to improve the electricity distribution. In addition, over 11,000 pre-paid meters have been installed.

- For water, new boreholes have been constructed which contributed to improve the water services (increase of water production by 37%) and its reliability as most of the boreholes have now a dedicated electrical line, and are secured with a back-up generator. 86 public stand posts and 3,562 private connections have already been constructed and connected to the network to enable more than 50,000 additional people to have access to safe water.

For activities planned under AF, the consultant for detailed technical studies (water and energy) has been recruited, bidding documents should be ready by July 2019 to launch a new series of works which could start in December 2019. The consultant in charge of the elaboration of ESIA's and RAPs (if needed) has been recruited and works closely with the technical consultant to minimize impacts on the ground.

For energy, the Project supported different activities that can significantly improve the financial sustainability of EAGB, increase EAGB's bill collection rate, help reduce commercial losses, and also to assess solar energy potential. EAGB signed a power purchase agreement with Karpowership (Turkey) for the supply of electricity produced by a floating barge with a capacity of 17 - 30 MW with heavy fuel oil. The complete shift of the country's power generation mix is expected to enable EAGB's savings between US\$ 700,000 - 1 million monthly and therefore improve the financial sustainability of the national utility.

Activities planned under AF to support the improvement of EAGB started and are now well on track, with the private operator (EDP/ADP/LBCS – Portuguese firms) now on board to provide support to EAGB, and should take the management of EAGB in few months, and a 1st phase of adaptation and also diagnostic of the sector.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● High	● High
Macroeconomic	--	● High	● High
Sector Strategies and Policies	--	● Moderate	● Moderate
Technical Design of Project or Program	--	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	--	● High	● High
Fiduciary	--	● Substantial	● Substantial
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Substantial	● Substantial
Other	--	● Low	● Low
Overall	--	● High	● High

Results

PDO Indicators by Objectives / Outcomes



Number of people in urban areas provided with access to Improved Water Sources under the project				
▶Number of people in urban areas provided with access to Improved Water Sources under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6,000.00	54,296.00	134,100.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021

Number of people benefiting from enhanced water services under the project				
▶Number of people benefiting from enhanced water services under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	42,000.00	42,000.00	80,000.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021

Number of people benefitting from enhanced electricity services under the project				
▶Number of people benefitting from enhanced electricity services under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30,900.00	208,000.00	208,000.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021

Direct project beneficiaries				
▶Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	78,900.00	262,296.00	342,100.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
▲Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	51.00	51.00	51.00	51.00

Non-revenue water				
▶Non-revenue water (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	51.00	51.00	51.00	51.00



Value	47.10	47.10	47.10	40.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
Comments:	This indicator can only be expected to be correctly measured once the private operator has conducted its diagnostic phase, and the auditor has certified the baseline, see comments on Monitoring an Evaluation rating.			

Network transmission and distribution losses				
► Network transmission and distribution losses (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	46.60	46.60	46.60	30.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
Comments:	This indicator can only be expected to be correctly measured once the private operator has conducted its diagnostic phase, and the auditor has certified the baseline, see comments on Monitoring an Evaluation rating.			

Intermediate Results Indicators by Components

1. Water supply				
► New piped household water connections that are resulting from the project intervention (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	3,562.00	12,600.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
► Piped household water connections that are benefiting from rehabilitation works undertaken by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10,000.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
Comments:	This indicator mainly measures the number of private connections so far not yet equipped with a meter, so beneficiaries paying a lump sum every month, and which will be equipped with meters. This indicator should evolved soon as all the furniture (meters + accessories) are now supplied and has to be installed.			
► Improved community water points constructed or rehabilitated under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	86.00	111.00



Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
►Percentage of water service connections equipped with meters (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	70.40	70.40	70.40	90.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
Comments:	This indicator can only be expected to be correctly measured once the private operator has conducted its diagnostic phase, and the auditor has certified the baseline, see comments on Monitoring an Evaluation rating.			

2. Electricity supply

►Prepayment meters installed under the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10,035.00	11,030.00	21,030.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
Comments:	10,035 prepaid meters have been installed, financed by the parent project. the contract for the supply of around 10,000 additional prepaid meters has been signed, and these meters are now under installation.			

►Distribution lines constructed or rehabilitated under the project (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.40	63.60	74.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021

►Collection rate of electricity and water bills (private customers) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021
Comments:	This indicator can only be expected to be correctly measured once the private operator has conducted its diagnostic phase, and the auditor has certified the baseline, see comments on Monitoring an Evaluation rating.			

►Percentage of electricity connections equipped with pre-payment meters (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	59.50	59.50	59.50	95.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021



Comments: This indicator can only be expected to be correctly measured once the private operator has conducted its diagnostic phase, and the auditor has certified the baseline, see comments on Monitoring an Evaluation rating.

3. Support to project implementation and EAGB

►Citizen engagement: percentage of complaints to the call center that are satisfactorily addressed (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021

Comments: The indicator was defined as the percentage of complaints to the call center (to be implemented for REGIDESO) that are satisfactorily addressed. It is planned that the Private Operator will be in charge of the installation of this call center, but it is not yet effective.

►Services Contract executed and implemented (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	26-Mar-2014	30-Nov-2018	31-May-2019	31-Dec-2021

Comments: The service contract has been signed in December and the contract started in early May 2019, with the arrival of the 5 experts in Bissau.

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P148797	IDA-54670	Effective	USD	17.16	17.16	0.00	14.96	0.55	96%
P148797	IDA-60570	Effective	USD	18.00	18.00	0.00	2.31	16.15	12%
P148797	IDA-D1900	Effective	USD	7.00	7.00	0.00	0.88	6.33	12%
P148797	IDA-H9560	Effective	USD	5.26	5.26	0.00	4.19	0.52	89%

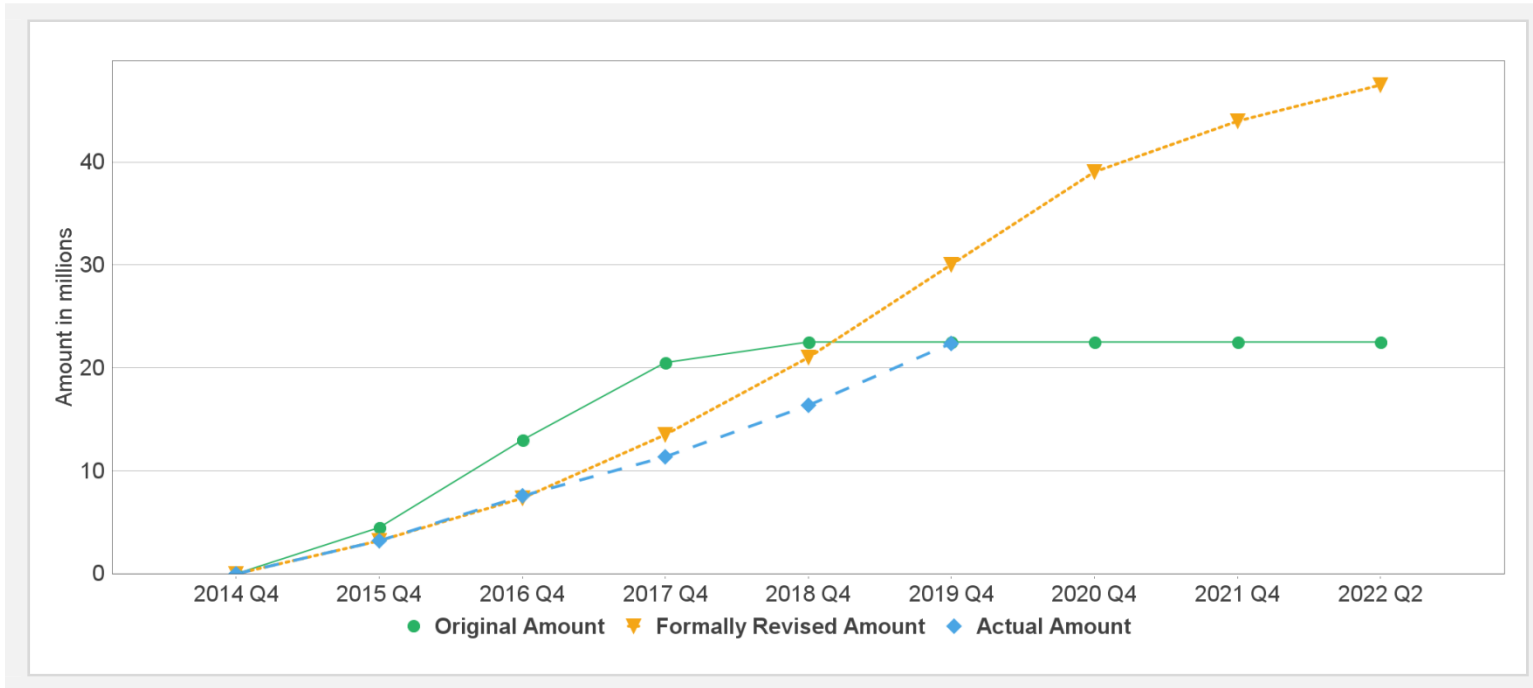
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P148797	IDA-54670	Effective	29-May-2014	05-Jun-2014	28-Jul-2014	30-Jun-2018	31-Dec-2021
P148797	IDA-60570	Effective	30-May-2017	07-Jul-2017	28-Sep-2017	31-Dec-2021	31-Dec-2021



P148797	IDA-D1900	Effective	30-May-2017	07-Jul-2017	28-Sep-2017	31-Dec-2021	31-Dec-2021
P148797	IDA-H9560	Effective	29-May-2014	05-Jun-2014	28-Jul-2014	30-Jun-2018	31-Dec-2021

Cumulative Disbursements



Restructuring History

Level 2 Approved on 22-Sep-2015

Related Project(s)

P161630-Emergency Water and Electricity Services - Additional Financing