



Energy Service Improvement Project (P161015)

WESTERN AND CENTRAL AFRICA | Benin | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 11 | ARCHIVED on 22-Dec-2022 | ISR54611 |

Implementing Agencies: Government of the Republic of Benin, Ministry of Energy, Water and Mines

Key Dates

Key Project Dates

Bank Approval Date: 23-Jun-2017

Effectiveness Date: 12-Feb-2018

Planned Mid Term Review Date: 17-May-2021

Actual Mid-Term Review Date: 14-Jun-2021

Original Closing Date: 31-Dec-2023

Revised Closing Date: 31-Dec-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to improve SBEE's operational performance; expand electricity access in targeted areas; and promote community-based management of forest resources.

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

No

Components Table

Name

- Component 1: Improvement of SBEE's Commercial Performance:(Cost \$10.00 M)
- Component 2: Distribution Network Strengthening in Targeted Areas:(Cost \$40.00 M)
- Component 3: Community-Based Management of Wood Fuels:(Cost \$5.00 M)
- Component 4 : Sector Development and Implementation Support:(Cost \$5.00 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

Overall, the PDOs are on track to be achieved by December 31, 2023, the project closing date. The implementation of the project's activities has continued progressing during past 6 months. The main contracts of the project including the five major contracts for the reinforcement of distribution networks, the upgrading of High Voltage/Medium Voltage substations and the supply and installation of a transformer repair workshop for SBEE are expected to be fully executed by the end of June 2023.

Two of the four PDO indicators have been already achieved, the results indicators related to the number of people provided with new or improved electricity and the adoption of forest management plan covering 300,000 ha. The two remaining PDO indicators related to SBEE's operational performance are likely to be achieved by the project closing date.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Improve SBEE's operational performance; expand electricity access in targeted areas				
▶ Increased revenues from targeted high-consuming customers (%) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contract for the implementation of the Revenue Protection Program was signed. This indicator could be measured after the works completion in June 2023.			
▶ People provided with new or improved electricity service (number) (Corporate Results Indicator) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	263,172.00	263,172.00	125,000.00



Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	69,086 prepaid meters have been installed so far of which 46,995 are new connections. The number of people per household is estimated at 5,6 as per INSAE.			
► Reduction of losses (%) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	24.00	24.90	24.90	21.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	This indicator is measured annually. The value is for 2021. The distribution rehabilitation and reinforcement works and the Revenue Protection Program have started and are expected to be completed by June 2023. Reduction in system losses would happen starting July 2023.			

promote community-based management of forest resources				
► Hectares of forest covered by community-based forest management plans (number) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	300,000.00	300,000.00	300,000.00
Date	23-Jun-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The forest management plans developed under the project for 300,000 ha was approved.			

Intermediate Results Indicators by Components

Component 1: Improvement of SBEE's Commercial Performance				
► Management Improvement Plan (MIP) developed and approved and implemented (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No MIP	MIP developed and implemented	MIP developed and implemented	MIP developed and implemented
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The last deliverable was approved.			
► Implementation of a revenue protection program (RPP) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No RPF	The contract implementation is ongoing	The contract implementation is ongoing	RPP is implemented



Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contract was signed. The contract implementation has started and is expected to be completed by June 2023.			
► Call Center installed and running at SBEE (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No Call Center	The installation of the call center is completed	The installation of the call center is completed	SBEE possesses and runs a call center
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The physical installation of the call center was completed in May 2023. The operationalization of the call center is expected to be achieved in September 2023.			

Component 2: Distribution Network Strengthening in Targeted Areas				
► Average duration of power outages per year in HV/MV substations rehabilitated by the project (hours) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2h31mn25s	0% reduction	0% reduction	50% of reduction is targeted
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contracts were signed. The implementation of the contracts is ongoing			
► Households provided with improved electricity connection (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22,091.00	22,091.00	15,000.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	Out of the 69,080 installed prepaid meters, 22,091 ones were for replacement.			
► HV/MV stations rehabilitated by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contract was signed. The contract implementation is ongoing.			
► Prepaid meters installed in targeted project areas (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	69,086.00	69,086.00	50,000.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	69,086 prepaid meters have been installed so far.			
► SBEE customer satisfaction survey conducted and report by SBEE on how to address customers' feedback (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No Survey	No Survey	No Survey	Customer satisfaction survey conducted at project closure year
Date	19-Dec-2022	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The survey is expected to be completed by December 2023.			
► Average annual voltage supplied to households in rehabilitated areas (Volts, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	180.00	180.00	180.00	210.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contract implementation has commenced and is expected to be completed by June 2023.			
► Female-headed households provided with new or improved electricity connection (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	17.85	17.85	10.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	Out of the 69,086 households, 12,331 female headed households were provided with new or improved electricity connection.			
► MV/LV sub-stations installed in the project areas (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contract implementation has started and is expected to be completed by June 2023.			
► People provided with access to electricity services under the project by household connections (grid or off-grid). (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	46,995.00	46,995.00	10,000.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	46,995 households were newly connected to the grid.			

Component 3: Community-Based Management of Wood Fuels

► New forest management plans developed in the municipalities of Djougou, N'Dali and Pèrèrè (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The sustainable forest management plans was approved			

► Support to income generating activities (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No support	1400 bee hives constructed. 140 beekeepers trained.	1400 bee hives constructed. 140 beekeepers trained.	8 honey production centers; 8 water boreholes; 800 bee hives constructed; and 280 trained beekeepers
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	1400 bee hives constructed. 140 beekeepers trained. The bid for the installation of honey production sites and water boreholes is being launched.			

► Increased revenues from beneficiaries of income generating activities funded by the project (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The contract is expected to be signed by December 2023 and income generating activities will be set up by May 2023.			

Component 4 : Sector Development and Implementation Support

► Institutional strengthening study conducted and capacity building plan implemented (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	A former outdated study is available	The activity was put on hold	The activity was put on hold	Capacity building plan is fully implemented
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	This activity was put on hold.			
► Investment prospectus for acces scale up developed (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No investment prospectus	The National Electrification Strategy has been approved and the National Electrification Plan was finalized	The National Electrification Strategy has been approved and the National Electrification Plan was finalized	Donors conference on investment prospectus done
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	The National Electrification Strategy has been approved. The National Electrification Plan was finalized.			
► Staff trained through the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	331.00	331.00	100.00
Date	06-Mar-2017	22-Jun-2022	19-Dec-2022	30-Dec-2022
Comments:	Training to staff from SBEE and Ministry of energy on E&S safeguards was delivered. Training on Geospatial electrification planning was also done. Other training programs were also delivered under the consultancy services financed under the project.			

Performance-Based Conditions

Data on Financial Performance

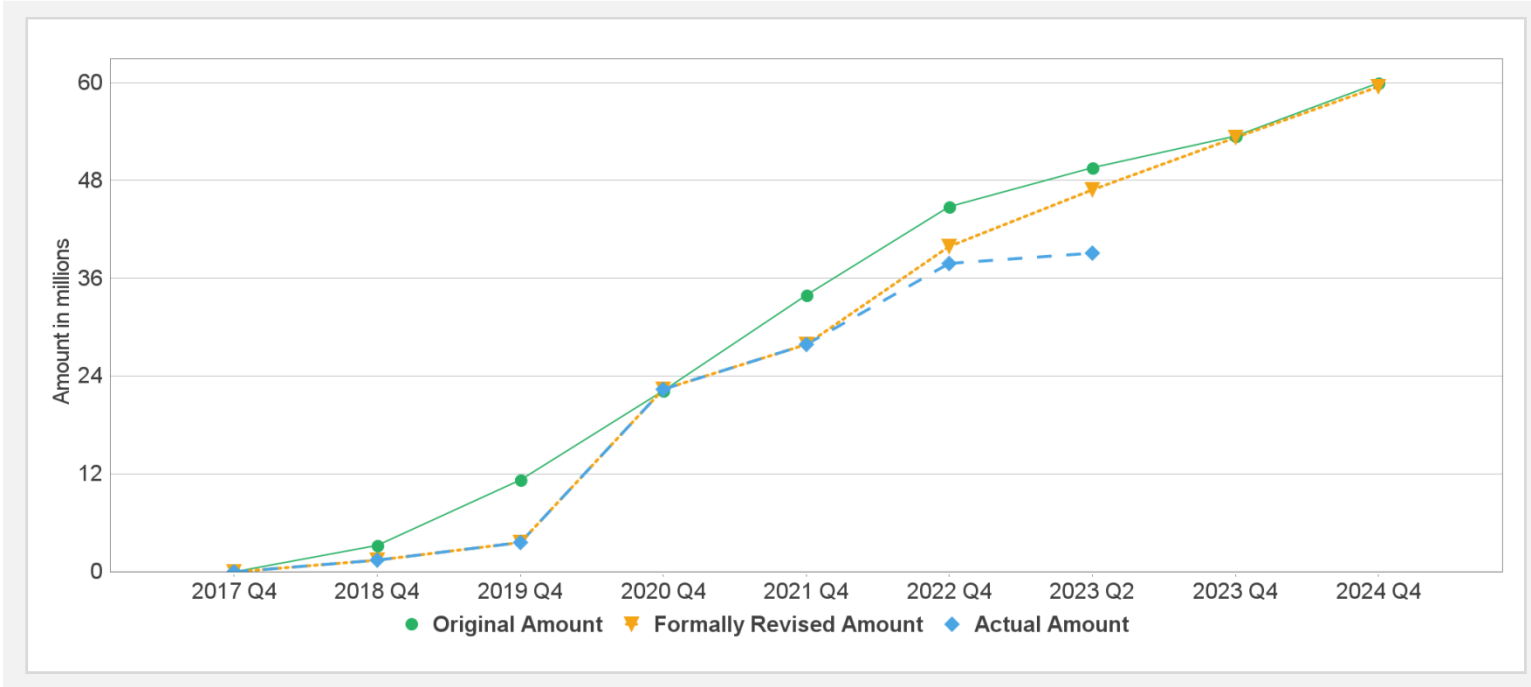
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P161015	IDA-61050	Effective	USD	60.00	60.00	0.00	39.27	20.31	66%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P161015	IDA-61050	Effective	23-Jun-2017	14-Jul-2017	12-Feb-2018	31-Dec-2023	31-Dec-2023

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.