



Energy Service Improvement Project (P161015)

AFRICA WEST | Benin | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 8 | ARCHIVED on 26-Jun-2021 | ISR47409 |

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"/> Moderately Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

Overall, the project is on track to meet its objectives by the closing date which is December 31, 2023.

On Component 1 (improvement of SBEE commercial performance) the physical work to establish the SBEE call center is expected to be completed by December 2021. The contract for the supply and installation of smart meters related to the revenue protection program is being signed.

On Component 2 (reinforcement and extension of distribution networks), the two main contracts related to the rehabilitation of distribution networks are expected to be signed by July 2021. The 75,000 prepaid meters have been received and 35,442 have been installed so far. The project is targeting the



installation of 50,000 prepaid meters by the end of 2021. 5,000 LED public lights have been installed in Porto Novo, Parakou et Natitingou, and 2,000 of 3,000 in Cotonou, with the remaining installations expected by the end of July 2021.

On Component 3 (biomass), the adoption of 300,000 ha of sustainable forest management plan, the development of rural charcoal markets, and the development of apiculture activities (income generating activities) are progressing well. The sustainable forest management plans are expected to be approved by the end of September 2021.

On Component 4 (sector studies), key sector studies are either completed or expected to be complete in the coming months.

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	08-Dec-2020	18-Jun-2021	30-Dec-2022



Comments:	The Revenue Protection Program has been relaunched and the contract is expected to be signed by June 2021. This indicator will be measured when the works are completed around June 2022.			
► People provided with new or improved electricity service (number) (Corporate Results Indicator) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	58,866.00	109,332.00	125,000.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	35,440 prepaid meters have been installed so far of which 18,222 are new connections. The number of people per household is estimated at 6.			
► Reduction of losses (%) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	24.00	21.38	21.38	21.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The same value as of December 2020. This indicator is measured annually.			

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	0.00	0.00	300,000.00
Date	23-Jun-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The forest management plans developed under the project for 300,000 ha are expected to be approved by September 2021.			

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	85% of the MIP is completed. 01 reports is yet to be finalized.	85% of the MIP is completed. 01 reports is yet to be finalized.	MIP developed and implemented
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The last deliverable is expected to be approved by July 2021.			



► Implementation of a revenue protection program (RPP) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No RPF	The tender will be relaunched by December 2020	Approval of the contract is expected soon	RPP is implemented
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The evaluation of bids was completed in Mai 2021 and approval of the supplier contract is expected to be completed by June 2021.			
► Call Center installed and running at SBEE (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No Call Center	The BD is being launched.	The contract is expected to be signed shortly	SBEE possesses and runs a call center
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The contract is expected to be signed shortly and the implementation completed by December 2021			

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	2h31mn25s	0% reduction	50% of reduction is targeted
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The two contracts on the rehabilitation of distribution networks are expected to be signed by July 2021.			
► Households provided with improved electricity connection (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	970.00	17,218.00	15,000.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	Out of the 34,442 installed prepaid meters, 17,218 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	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The contract related to the rehabilitation of substations is expected to be signed by July 2021.			
► Prepaid meters installed in targeted project areas (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	9,811.00	34,442.00	50,000.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	34,440 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	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The hiring of a firm to conduct the survey is expected to be completed by September 2021.			
► 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	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The rehabilitation works have not yet started. The contracts are expected to be signed by July 2021.			
► Female-headed households provided with new or improved electricity connection (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The collection of data will start in August 2021.			
► 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	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The works have not yet started. The contract covering the installation of substations is expected to be signed by July 2021.			
► 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	5,820.00	18,222.00	10,000.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	18,222 households were newly connected to the grid. The average number of people per household is of 6 in Benin			

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	No	No	Yes
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The sustainable forest management plans are expected to be approved by September 2021.			
► Support to income generating activities (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No support	No Support	Supports are ongoing	8 honey production centers; 8 water boreholes; 800 bee hives constructed; and 280 trained beekeepers
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The activities are ongoing.			
► 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	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The income generating activities are not yet set up.			



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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
Value	A former outdated study is available	Capacity building plan is not yet implemented	the planning of capacity building activities is being revised	Capacity building plan is fully implemented
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The planning of capacity reinforcement activities is being revised			

► Investment prospectus for acces scale up developed (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No investment prospectus	The elaboration of the National Electrification Strategy is progressing and expected to be completed by February 2021. It will include a national electrification plan	The National Electrification Strategy has been approved and the National Electrification Plan will be validated in July 2021	Donors conference on investment prospectus done
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	The National Electrification Strategy has been approved. The National Electrification Plan is expected to be validated in July 2021.			

► Staff trained through the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	10.00	100.00
Date	06-Mar-2017	08-Dec-2020	18-Jun-2021	30-Dec-2022
Comments:	Training to staff from SBEE and Ministry of energy on E&S safeguards was delivered. Other training programs are being developed.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

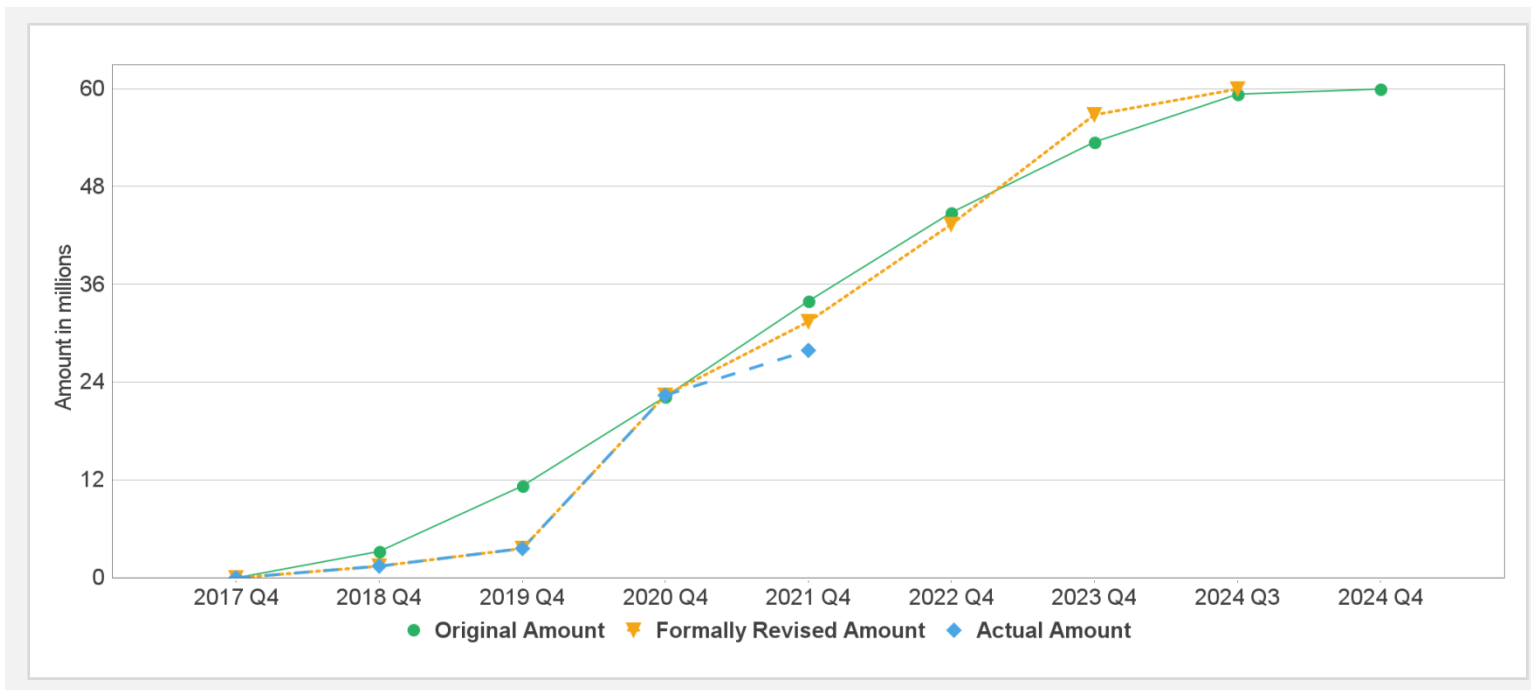


Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P161015	IDA-61050	Effective	USD	60.00	60.00	0.00	28.07	35.78	44%

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



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

There has been no restructuring to date.

Related Project(s)



There are no related projects.
