



## Energy Service Improvement Project (P161015)

AFRICA WEST | Benin | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 7 | ARCHIVED on 22-Dec-2020 | ISR44694 |

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:

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

### Implementation Status and Key Decisions

The COVID19 continued to affect the implementation of the project's major activities including the procurement of works related to the rehabilitation of distribution networks. Indeed, three major contracts (two of Component 1: Distribution Investment and one of Component 2: Reforms) were unsuccessful because the received bids did not substantially responsive to the requirements of the bidding documents (BDs). This situation has slowed down the implementation of the 2020 Annual Work Plan. Between July 2020 and November 2020, the project's disbursement rate was approximately 4.7%, which is lower than the 2019 achievement for the same period of about 10%. Overall COVID 19 has delayed the project implementation by about 4 months. The Bank and the project have agreed to make additional effort to relaunch the bidding process of the three main contracts by end of December 2020 and to get the contracts signed in April 2021.



However, the installation of prepaid meters has been progressing. In addition, important progress has been made on the development of key sector studies (component 4). The preparation of the National Electrification Strategy is under way. The gas supply study is being finalized. The updating of the least-cost power development plan has begun.

Progress on the biomass component (3) has also been made. The second phase of the forest management plan has commenced with land negotiations taking place in October 2020. The contracts for the development of the apiculture activities have been signed. The technical studies for the development of a headquarter for the forest community for the Ouème Supérieur (CoFoS) have been completed, with a consultation for the construction set to be launched in early 2021.

## 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	09-Jun-2020	08-Dec-2020	30-Dec-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	0.00	58,866.00	125,000.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	9811 prepaid meters have been installed so far. 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	24.00	21.38	21.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	The progressive elimination of illegal connection has improved this result indicator.			

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	09-Jun-2020	08-Dec-2020	30-Dec-2022

### 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	70% of the MIP is completed. 02 reports are yet to be delivered.	85% of the MIP is completed. 01 reports is yet to be finalized.	MIP developed and implemented
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
► Implementation of a revenue protection program (RPP) (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No RPF	The evaluation of received proposals is ongoing	The tender will be relaunched by December 2020	RPF is implemented



Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	The bidding process was unsuccessful due to COVID 19			
<b>► Call Center installed and running at SBEE (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No Call Center	The technical design of the call center has been completed. The drafting of the BD is ongoing	The BD is being launched.	SBEE possesses and runs a call center
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	The BD for the installation of the call center will be launched in March 2020.			

<b>Component 2: Distribution Network Strengthening in Targeted Areas</b>				
<b>► Average duration of power outages per year in HV/MV substations rehabilitated by the project (hours) (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2h31mn25s	2h31mn25s	2h31mn25s	50% of reduction is targeted
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
<b>► Households provided with improved electricity connection (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	970.00	15,000.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	Out of the 9,811 installed prepaid meters, 970 ones were for new household connections			
<b>► HV/MV stations rehabilitated by the project (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	3.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
<b>► Prepaid meters installed in targeted project areas (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	9,811.00	50,000.00



Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	Prepaid meters were delivered to SBEE. The installation will commence within the first quarter of the CY2020.			
<b>► SBEE customer satisfaction survey conducted and report by SBEE on how to address customers' feedback (Text, Custom)</b>				
	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	09-Jun-2020	08-Dec-2020	30-Dec-2022
<b>► Average annual voltage supplied to households in rehabilitated areas (Volts, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	180.00	180.00	180.00	210.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
<b>► Female-headed households provided with new or improved electricity connection (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
<b>► MV/LV sub-stations installed in the project areas (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
<b>► People provided with access to electricity services under the project by household connections (grid or off-grid). (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	5,820.00	10,000.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	970 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	09-Jun-2020	08-Dec-2020	30-Dec-2022
► Support to income generating activities (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No support	No Support	No Support	8 honey production centers; 8 water boreholes; 800 bee hives constructed; and 280 trained beekeepers
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
► 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	09-Jun-2020	08-Dec-2020	30-Dec-2022

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	Capacity building plan is not yet implemented	Capacity building plan is fully implemented
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
► 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 has commenced. It will include a national electrification plan	The elaboration of the National Electrification Strategy is progressing and expected to be completed by February 2021. It will include a national electrification plan	Donors conference on investment prospectus done
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022
Comments:	The hiring of a consultant for the elaboration of the National Electrification Strategy and a National electrification Plan is expected to be completed by March 2020.			



► Staff trained through the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	06-Mar-2017	09-Jun-2020	08-Dec-2020	30-Dec-2022

**Performance-Based Conditions**

**Data on Financial Performance**

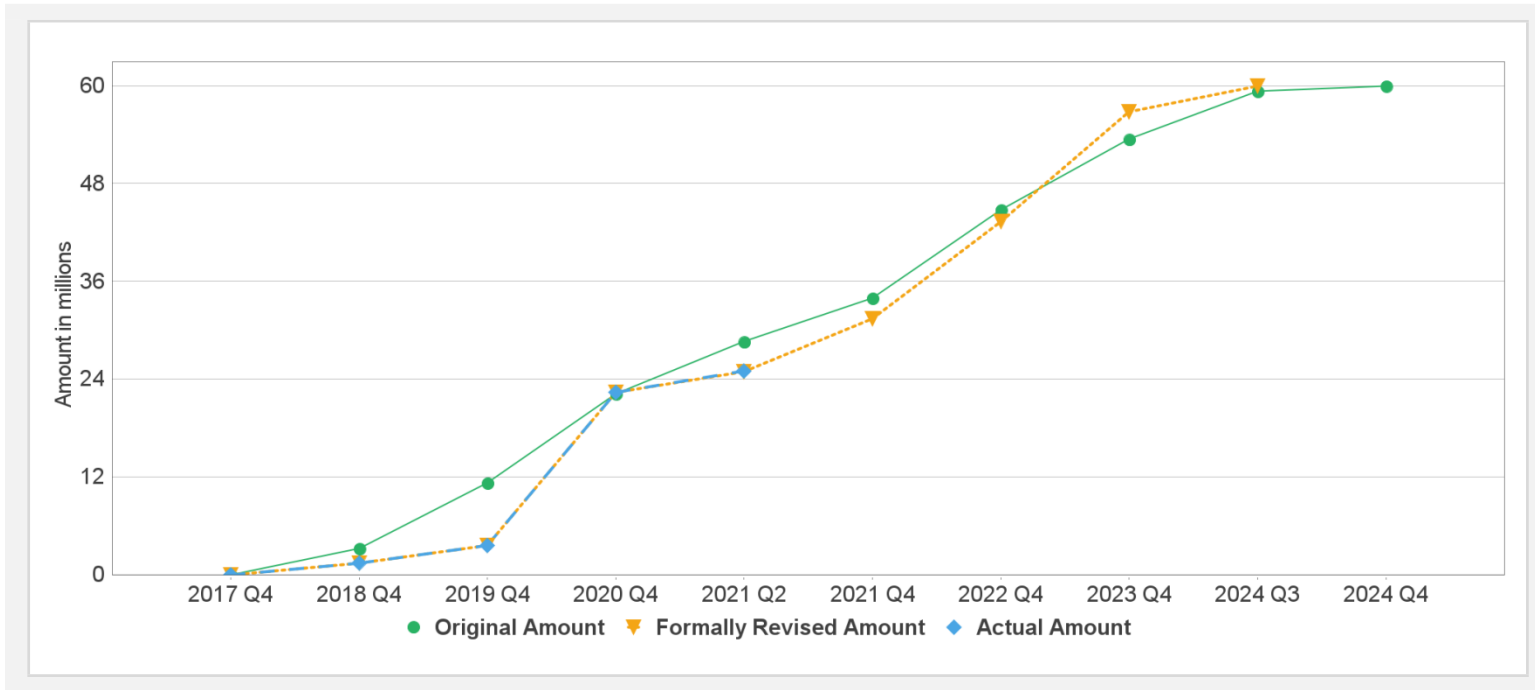
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P161015	IDA-61050	Effective	USD	60.00	60.00	0.00	25.13	39.43	39%

**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

**Restructuring History**

There has been no restructuring to date.

**Related Project(s)**

There are no related projects.