



Regional Off-Grid Electricity Access Project (P160708)

AFRICA WEST | Western Africa | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2019 | Seq No: 4 | ARCHIVED on 30-May-2021 | ISR46349 |

Implementing Agencies: West African Development Bank (BOAD), Economic Community of West Africa States (ECOWAS), West African Development Bank (BOAD)

Key Dates**Key Project Dates**

Bank Approval Date: 17-Apr-2019

Effectiveness Date: 16-Mar-2021

Planned Mid Term Review Date: 30-Jun-2022

Actual Mid-Term Review Date:

Original Closing Date: 30-Jun-2024

Revised Closing Date: 31-Dec-2030

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

PDO for SOP1 is to increase electricity access of households and businesses using modern stand-alone solar systems through a harmonized regional approach.

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

No

Components Table

Name

1A: Enabling Environment:(Cost \$17.50 M)
1B: Entrepreneurship Technical Support:(Cost \$7.00 M)
1C: Entrepreneurship Financing Support:(Cost \$5.00 M)
1D: Barrier Removal for Challenging Markets:(Cost \$33.00 M)
2A: Line of Credit for Stand-alone Solar Businesses:(Cost \$209.00 M)
2B: Contingent Grant Facility for CFIs:(Cost \$67.20 M)

Overall Ratings

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

Implementation Status and Key Decisions

The additional financing for the project was approved by the World Bank Board of Directors on March 11, 2021. The project was renamed Regional Off-Grid Electricity Access Project (ROGEAP) and ECOWAS was appointed as the new implementing agency replacing ECREEE. The Financing Agreement and Clean Technology Fund Grant Agreement were signed between BOAD and the World Bank on October 6, 2020, and October 6, 2020, which became effective as of March 16, 2021.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Increase electricity access to households				
▶ People provided with new or improved electricity service (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,755,000.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
☐ People provided with new or improved electricity service - Female (Number, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	877,500.00
▶ Households provided with access to electricity through stand-alone solar systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	585,000.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	A household is a house and its occupants regarded as a unit. The purchase of a stand-alone solar PV systems will be considered as a proxy for use of the system. In other words, whether the use is immediate or delayed, once an equipment is purchased, it will be considered is provision of access to electricity.			
<input type="checkbox"/> Households provided with access to electricity through stand-alone solar systems of which female headed households (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	58,500.00

Use of modern stand-alone solar technology through a harmonized regional approach				
► GHG CO2 emission reduction (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	385,000.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
► Commercial financial institutions engaged in financing of solar companies (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	57.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Commercial financial institutions (CFIs) include banks, micro finance companies and leasing companies.			
► Regional Standard of Quality Assurance (QA) framework for stand-alone solar systems prepared and adopted by ECOWAS (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	ECREEE has prepared a quality assurance framework to be adopted by ECOWAS for implementation by all project countries.			
► Market Observatory Indicator: Country Specific information on Volume, Price and type of products (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026



► Annual publication of beneficiary feedback received from citizens reached through the consumer education and citizen engagement program (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	TBD			

Increase electricity access to businesses				
► SMEs provided with access to electricity through stand-alone solar systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	65,000.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Productive end use/application of solar power systems include the following: (i) Connectivity, (ii) Small Medium Enterprise (SME) applications, and (iii) Value added applications. Productive End Use (PEU) of energy refers to activities that increase income or productivity in different sectors such as agriculture (e.g. irrigation, grain milling), manufacturing (e.g. carpentry, welding, and sewing), and the service sector (e.g. restaurants using electric lights, sound systems, refrigerators, mobile charging stations etc.)			
□ SMEs provided with access to electricity through stand-alone solar systems of which women led SMEs (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6,500.00

Overall Comments

The project is in early stage of its implementation. The team is planning to review and update result framework in the next ISR.

Intermediate Results Indicators by Components

Developing a Regional Market				
► Women-led companies operating non-solar sectors (Tier 3) reported increased awareness and information to engage in solar business (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Non solar companies will be targeted and informed about potential business gains they stand to make should they investment in the off-grid industry, especially, distribution of solar equipment. They will be guided to undertake expansion into the solar industry. Targeted non-solar businesses include those			



operating in industries such as agricultural supply, agribusiness, retailing, or other areas that require strong, local distribution chains who have similar operational capabilities that might be transferred to the solar industry.				
► Certified installers of Solar PVs in participating countries as a result of ROGEP assistance (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	730.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Installer certification mandates are one of the policy tools used to ensure that Standards and Quality Assurance frameworks are adhered to. The mandate of the installer is the stamped and signed certificate issued by the relevant certification authority in each participating country.			
► Participating countries that show year-on-year progress towards achieving national renewable energy and electricity access targets (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	11.00	11.00	11.00	19.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Each year, actual data for each renewable energy indicator will be compared to the target. The observed differences will determine whether progress is being made or not.			

Entrepreneurship Facility				
► Women-led companies operating in the solar sector (Tier 1 and 2) benefitting from the technical support from the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6.00	6.00	6.00	35.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Data for this indicator will be obtained by disaggregating data for "Number of entrepreneurs benefitting from the technical and financial support from the project"			
► Women-led companies operating in the solar sector (Tier 1 and 2) benefitting from the Entrepreneurship Facility and reported increased capacity and skills (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Data for this indicator will be obtained by disaggregating data for "Number of entrepreneurs benefitting from the technical and financial support from the project"			
► Full time jobs created by Start up (Tiers 1), Early Stage (Tier 2) and Growth/Mature (Tier 3) companies. Data disaggregated by gender of owners of companies (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	300.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Number of full-time employees of recruited as result of ROGEP assistance. For seasonal employment Full Time Equivalents (FTE) shall be calculated. FTE represents the number of working hours that one full-time employee completes during a fixed time period, such as one month or one year. FTE converts workload hours into the number of people required to complete that work, which can help to simplify scheduling. FTE will be calculated as follows: 1. Note that the FTE Base for Part-Time/Full-Time Temp/Casual Hourly FTE calculations is 40 hrs/week; 2. Estimate how many hours the employee will work during an average pay period within the contract dates to calculate FTE.			
► Women-led companies operating in the solar sector (Tier 1 and 2) that received technical support recorded increased incomes (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	11.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Companies or businesses receiving funding from the facility who have also received training or capacity building assistance will be requested to report o application of acquired skills and income from sales of solar equipment procured as result of ROGEP			
► Women hired for full time jobs created by Tier 1,2,3 companies as a result of participation in ROGEP (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026

Access to Finance				
► Beneficiaries of credit line that are women-led companies operating in the solar and non-solar sectors (Tier 2, 3) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	To obtain the percentage of beneficiaries of credit line that are female entrepreneurs, two variables will be needed: (i) the numerator-- the number of female beneficiaries and (ii) the denominator, the total number of beneficiaries.			
► Loans (in USD) accessed by households, productive end-users, distribution companies and energy service companies through debt facilities. (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	140,000,000.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	The amount will be expressed in USD. USD equivalents of loans given in local currencies will be calculated by the commercial financial institution, the prevailing exchange rate at the time that the loan was contracted.			



► Households, productive end-users, distribution companies and energy service companies accessing debt facilities. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	Four categories of potential beneficiaries of financing through borrowing from banks, commercial financial institutions or leasing companies or microfinance companies are reference in this indicator-- (a) households, (b) productive end-users, (c) distribution companies and (3) energy service companies. Households: A household is a house and its occupants regarded as a unit. Productive end use/application of solar power systems include the following: (i) Connectivity, (ii) Small Medium Enterprise (SME) applications, and (iii) Value added applications. Productive End Use (PEU) of energy refers to activities that increase income or productivity in different sectors such as agriculture (e.g. irrigation, grain milling), manufacturing (e.g. carpentry, welding, and sewing), and the service sector (e.g. restaurants using electric lights, sound systems, refrigerators, mobile charging stations etc.)			
► CFI to report on amount of loans disbursed, amount of loans repaid, amount of NPLs to BOAD (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Aug-2018	29-Sep-2020	21-May-2021	30-Jun-2026
Comments:	This indicator will measure the performance of the loans extended by the CFIs to the solar entrepreneurs.			

Overall Comments

The project is in early stage of its implementation. The team is planning to review and update result framework in the next ISR.

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

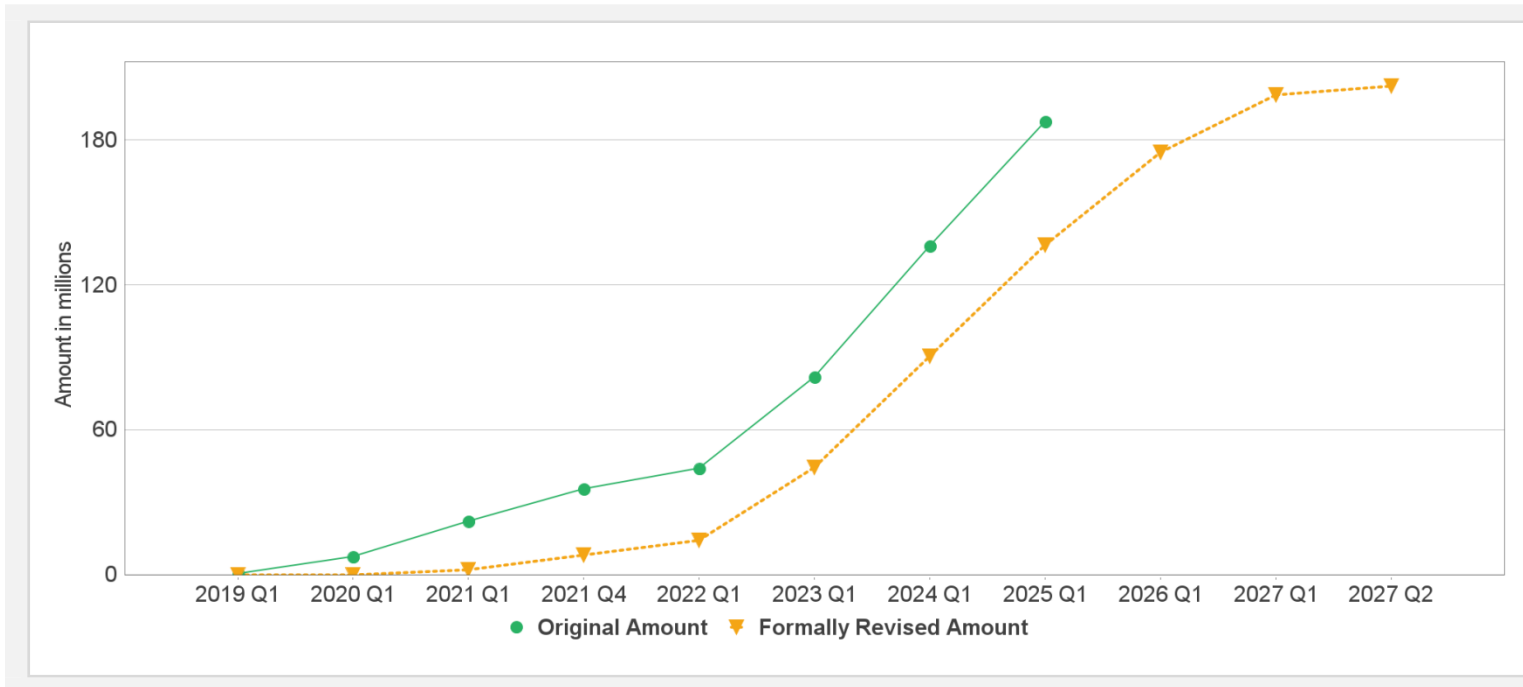
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P160708	IDA-63970	Effective	USD	140.00	140.00	0.00	0.00	145.04	0%
P160708	IDA-D4510	Not Effective	USD	10.00	0.16	9.84	0.00	0.00	0%
P160708	IDA-D7840	Not Effective	USD	15.00	15.00	0.00	0.00	15.00	0%
P160708	TF-B0302	Effective	USD	67.20	67.20	0.00	0.00	67.20	0%



Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P160708	IDA-63970	Effective	17-Apr-2019	06-Oct-2020	16-Mar-2021	30-Jun-2024	30-Jun-2024
P160708	IDA-D4510	Not Effective	17-Apr-2019	15-Jul-2019	--	30-Jun-2024	30-Jun-2024
P160708	IDA-D7840	Not Effective	11-Mar-2021	--	--	30-Jun-2026	30-Jun-2026
P160708	TF-B0302	Effective	27-Mar-2019	05-Oct-2020	16-Mar-2021	31-Dec-2030	31-Dec-2030

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)

P174885-Regional Off-Grid Electricity Access Project Additional Financing

