



Solar Energy in Local Communities (P164435)

EASTERN AND SOUTHERN AFRICA | Burundi | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2020 | Seq No: 5 | ARCHIVED on 23-Jun-2022 | ISR52020 |

Implementing Agencies: Agence Burundaise d'Electrification Rurale (ABER), Ministère de l'Hydraulique, de l'Energie et des Mines (MINHEM), Republic of Burundi

Key Dates**Key Project Dates**

Bank Approval Date: 28-Feb-2020

Effectiveness Date: 03-Sep-2020

Planned Mid Term Review Date: 01-Mar-2023

Actual Mid-Term Review Date:

Original Closing Date: 01-Mar-2026

Revised Closing Date: 01-Mar-2026

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the Project is to expand access to energy services for households, enterprises, schools and health centers in rural areas of Burundi.

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

No

Components Table

Name

Energy Services for Schools and Health Service Centers:(Cost \$27.00 M)
Energy Services for Rural Communities:(Cost \$37.00 M)
Energy Services for Households:(Cost \$17.00 M)
Technical Assistance, Capacity Building and Project Implementation Support:(Cost \$19.00 M)
Contingent Emergency Response

Overall Ratings

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

Implementation Status and Key Decisions

The Project was declared effective by the International Development Association (IDA) on September 3, 2020 and is now under implementation. The operationalization of the project implementation unit is advanced. World Food Program (WFP) was recruited in September 2021 to supply canteen stoves for 400 schools. The preparation of bidding documents for the electrification of health centers and mini-grids is ongoing. The recruitment of the grant administrator and technical assistant for the private sector facility for the provision of standalone solar systems and clean cookstoves to end beneficiaries are ongoing.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

| | | | | |
|--|-------------|-------------------|------------------|-------------|
| expand access to energy services for households, enterprises, schools and health facilities in rural | | | | |
| ▶ People provided with new or improved electricity service (Number, Corporate) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 457,500.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-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 | 232,200.00 |
| ▶ Health centers provided with new or improved electricity services (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |



| | | | | |
|---|---|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 445.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Health centers provided with new or improved electricity services under the project | | | |
| <input type="checkbox"/> Health centers provided with new or improved electricity services by standalone systems (Number, Custom Breakdown) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 400.00 |
| Date | 03-Feb-2020 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| <input type="checkbox"/> Health centers provided with new or improved electricity services by mini-grids (Number, Custom Breakdown) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 45.00 |
| Date | 03-Feb-2020 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| ► Schools provided with new or improved electricity services (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 535.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Schools provided with new or improved electricity services under the project. | | | |
| <input type="checkbox"/> Schools provided with new or improved electricity services by standalone systems (Number, Custom Breakdown) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 400.00 |
| Date | 03-Feb-2020 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| <input type="checkbox"/> Schools provided with new or improved electricity services by mini-grids (Number, Custom Breakdown) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 135.00 |
| Date | 03-Feb-2020 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| ► Households provided with clean and efficient cookstoves (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |



| | | | | |
|--|--|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 300,000.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Households provided with clean and efficient cookstoves under the project. | | | |
| ► Schools provided with clean and efficient cookstoves (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 400.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Schools provided with clean and efficient cookstoves under the project | | | |

Intermediate Results Indicators by Components

| | | | | |
|---|---|-------------------|------------------|-------------|
| Energy Services for Schools and Health Centers | | | | |
| ► Renewable energy generation capacity of systems installed at health centers (Megawatt, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 1.50 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Renewable energy generation capacity of solar systems installed at health centers under the project | | | |
| ► Renewable energy generation capacity of systems installed at schools (Megawatt, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 0.01 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Renewable energy generation capacity of solar systems installed at schools under the project | | | |

| | | | | |
|--|----------|-------------------|------------------|------------|
| Energy Services for Rural Communities | | | | |
| ► Mini-grids constructed under project (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 45.00 |



| | | | | |
|--|--|-------------------|------------------|-------------|
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Mini-grids constructed under project | | | |
| ► Households provided with access to electricity services by mini-grids (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 26,500.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Households provided with access to electricity services by mini-grids under the project | | | |
| ► Small and Medium enterprises provided with access to electricity service by mini-grids (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 4,320.00 |
| Date | 25-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Small and Medium enterprises provided with access to electricity service by mini-grids under the project | | | |
| ► Renewable energy generation capacity of mini-grids constructed under the project (Megawatt, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 15.75 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Renewable energy generation capacity of mini-grids constructed under the project | | | |
| ► Finalization of bidding documents for mini-grids Lot 1 (Yes/No) (Yes/No, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | No | No | No | Yes |
| Date | 10-Jan-2020 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Preparation and approval of bidding documents finalized. | | | |

Energy Services for Households, including the poor and vulnerable

► Households provided with new electricity connections by stand-alone systems (Number, Custom)

| | | | | |
|--|----------|-------------------|------------------|------------|
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|--|----------|-------------------|------------------|------------|



| | | | | |
|---|--|-------------------|------------------|--------------|
| Value | 0.00 | 0.00 | 0.00 | 65,000.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Households provided with new electricity connections by stand-alone systems distributed by companies receiving grant support under the project | | | |
| ► Households provided with clean and efficient cookstoves (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 300,000.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Households provided with clean and efficient cookstoves distributed by companies receiving financial support under the project | | | |
| ► Volume of grants channeled to private solar and CEC companies (Amount(USD), Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 5,400,000.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Volume of grants channeled to private solar and CEC (clean and efficient cookstove) companies under the project | | | |
| ► Volume of results-based financing channeled to private solar and CEC companies (Amount(USD), Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 8,000,000.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Volume of results-based financing channeled to private solar and clean and efficient cookstove (CEC) companies under the project | | | |

Technical Assistance, Capacity Building and Project Implementation Support

► National Electrification Strategy and Plan prepared and adopted (Yes/No, Custom)

| | | | | |
|-----------|---|-------------------|------------------|-------------|
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | No | No | No | Yes |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | National Electrification Strategy and National Electrification Plan developed and adopted | | | |

► Geospatial analysis and planning platform established and operational (Yes/No, Custom)



| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|--|-------------------|------------------|-------------|
| Value | No | No | No | Yes |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Geospatial analysis and planning platform established and operational and relevant staff trained on its use | | | |
| ► Technicians trained in the provision of O&M services for solar systems (Number, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 200.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Local technicians trained in the provision of O&M services for solar systems | | | |
| ► Consumer awareness program developed, with a focus on female members of households and SMEs (Yes/No, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | No | No | No | Yes |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Consumer awareness campaign completed under project | | | |
| ► Assessment of barriers to female entrepreneurship completed and action plan delivered (Yes/No, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | No | No | No | Yes |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Assessment of barriers to female entrepreneurship completed and action plan for mini-grids and standalone system markets delivered | | | |
| ► Female employment of mini-grid operators (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 30.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Female employment of mini-grid operators selected under the project | | | |
| ► Earmarked grants for female enterprises (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |



| | | | | |
|---|---|-------------------|------------------|-------------|
| Value | 0.00 | 0.00 | 0.00 | 20.00 |
| Date | 29-Nov-2019 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Earmarked grants for female enterprises | | | |
| ► Grievances received addressed (Percentage, Custom) | | | | |
| | Baseline | Actual (Previous) | Actual (Current) | End Target |
| Value | 0.00 | 0.00 | 0.00 | 100.00 |
| Date | 03-Feb-2020 | 13-Dec-2021 | 15-Jun-2022 | 01-Mar-2026 |
| Comments: | Percentage of grievances received through the project grievance redress mechanism that are addressed. | | | |

Performance-Based Conditions

Data on Financial Performance

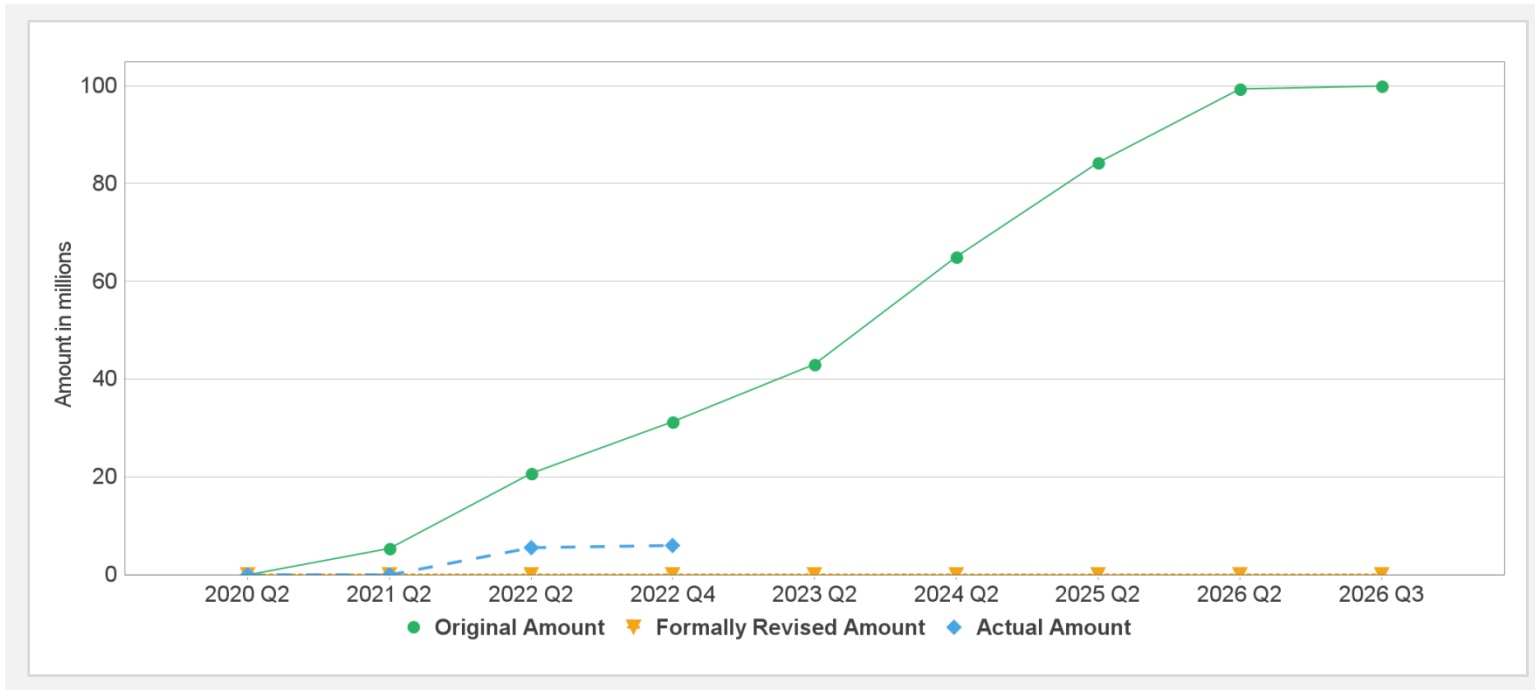
Disbursements (by loan)

| Project | Loan/Credit/TF | Status | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---------|----------------|-----------|----------|----------|---------|-----------|-----------|-------------|-------------|
| P164435 | IDA-D5670 | Effective | USD | 100.00 | 100.00 | 0.00 | 5.95 | 92.34 | 6.1% |

Key Dates (by loan)

| Project | Loan/Credit/TF | Status | Approval Date | Signing Date | Effectiveness Date | Orig. Closing Date | Rev. Closing Date |
|---------|----------------|-----------|---------------|--------------|--------------------|--------------------|-------------------|
| P164435 | IDA-D5670 | Effective | 28-Feb-2020 | 05-Mar-2020 | 03-Sep-2020 | 01-Mar-2026 | 01-Mar-2026 |

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.