



Liberia Electricity Sector Strengthening and Access Project (LESSAP) (P173416)

WESTERN AND CENTRAL AFRICA | Liberia | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 3 | ARCHIVED on 29-Jun-2022 | ISR51196 |

Implementing Agencies: Liberia Electricity Corporation (LEC), Republic of Liberia, Rural and Renewable Energy Agency (RREA)

Key Dates**Key Project Dates**

Bank Approval Date: 12-Mar-2021

Effectiveness Date: 12-Jul-2021

Planned Mid Term Review Date: 30-Nov-2023

Actual Mid-Term Review Date:

Original Closing Date: 30-Jun-2026

Revised Closing Date: 30-Jun-2026

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

Increase access to electricity and improve the operational efficiency of Liberia Electricity Corporation (LEC).

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

No

Components Table

Name

Rehabilitation and Expansion of Electricity Infrastructure and Systems and Access Expansion:(Cost \$45.00 M)

Electrification of Health Centers and Households in Off-grid Rural Areas:(Cost \$9.20 M)

Technical Assistance for Institutional Reform, Capacity Building of Sector Institutions, and Implementation Support to LEC:(Cost \$10.00 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"/> Substantial	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

The project is on track to achieve its PDO of increasing access to electricity and improving the operational efficiency of LEC

MPA Program Development Objective

Increasing access to sustainable, reliable and affordable energy in the program areas in Liberia.



Multiphase Programmatic Approach (MPA) Status

The MPA is progressing satisfactorily to meet its PDO

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	<input type="checkbox"/> High	<input type="checkbox"/> High	<input type="checkbox"/> High
Macroeconomic	<input type="checkbox"/> High	<input type="checkbox"/> High	<input type="checkbox"/> High
Sector Strategies and Policies	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Technical Design of Project or Program	<input type="checkbox"/> Moderate	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Institutional Capacity for Implementation and Sustainability	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Fiduciary	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Environment and Social	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Other	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Overall	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Results

PDO Indicators by Objectives / Outcomes

Increase Access to Electricity				
▶ People provided with new or improved electricity service (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	632,500.00
Date	15-Jan-2021	30-Nov-2021	31-May-2022	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	316,250.00



□ People provided with access to electricity under the project by household connections (grid or off-grid). (Number, Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	432,500.00
Date	25-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
▶ Health facilities provided with electricity service from stand-alone solar systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	31-Jan-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	The indicator captures the number of health centers provided with an electricity connection under the project. The connection solution may include lighting and medical appliances including vaccine cold chain as appropriate.			

Improve Operational Efficiency of LEC				
▶ Connections regularized in the project area (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40,000.00
Date	01-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Total number of connections regularized under the project.			
▶ Optimal organization structure developed and implemented (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	An organization structure (including that structure of district offices) with job functions and skills requirements developed and agreed to by the stakeholders.			

Intermediate Results Indicators by Components

Rehabilitation and Expansion of Grid Distribution Network and Access Expansion				
▶ Distribution lines constructed or rehabilitated (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	600.00



Date	31-Dec-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Total length of low voltage and medium (33 or 22kV) line constructed or rehabilitated			
► Capacity of Distribution Transformers installed (Kilovolt-Ampere(KVA), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50,000.00
Date	31-Dec-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	The total increase in distribution capacity			
► Number of households connected to the grid in the project area (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80,000.00
Date	25-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	The number of residential customers connected in the project area			
► Number of non-residential customers connected to the grid in the project area (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	500.00
Date	25-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	New connections to organizations, businesses, industries etc.			
► Advanced metering infrastructure (AMI) operationalized (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	31-Jan-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Operationalization of advanced metering infrastructure			
► Number of district offices and customer service centers operational (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	31-Jan-2020	30-Nov-2021	31-May-2022	30-Jun-2026



Comments:	The number of district offices and customer service centers that are established and operational.			
► SCADA system installed and operationalized (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	30-Jun-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Number of SCADA systems installed and operationalised			
► Customer and asset mapping exercise completed (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Completion of customer and asset mapping exercise			

Electrification of Health Centers and Households in Off-grid Rural Areas				
► Number of households provided with electricity connection through stand-alone solar systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6,000.00
Date	31-Dec-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Number of households provided with electricity through standalone solar systems or other off-grid solutions			
► Number of electricity connections provided through mini-grids (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	500.00
Date	29-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Number of households and businesses with access to electricity through mini grids			
► Pilot for implementation arrangement for stand-alone solar systems in remote areas completed (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes



Date	31-Dec-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Pilot for implementation arrangement for stand-alone solar systems in remote areas completed			

Technical Assistance for Institutional Reform and Capacity Building

► Competitive recruitment in key positions at LEC completed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	29-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Completion of the competitive recruitment in key positions at LEC			

► Full-time management has taken over fiduciary responsibilities of LEC (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	31-Dec-2020	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Full-time management has taken over fiduciary responsibilities of LEC			

► Female participation rate in LEC workforce (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	17.50	17.50	17.50	25.00
Date	29-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	The percentage of females in the LEC workforce			

► Number of MME, LERC and LEC staff provided training under the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	01-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026

► Feedback from citizens incorporated into program design and published in communication materials (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes



Date	31-Jan-2021	30-Nov-2021	31-May-2022	30-Jun-2026
Comments:	Feedback gathered from potential beneficiaries as part of project consultations are systematically captured and incorporated in the project design. Feedback are published in appropriate communication materials (project brochure, LEC website etc).			

Performance-Based Conditions

Data on Financial Performance

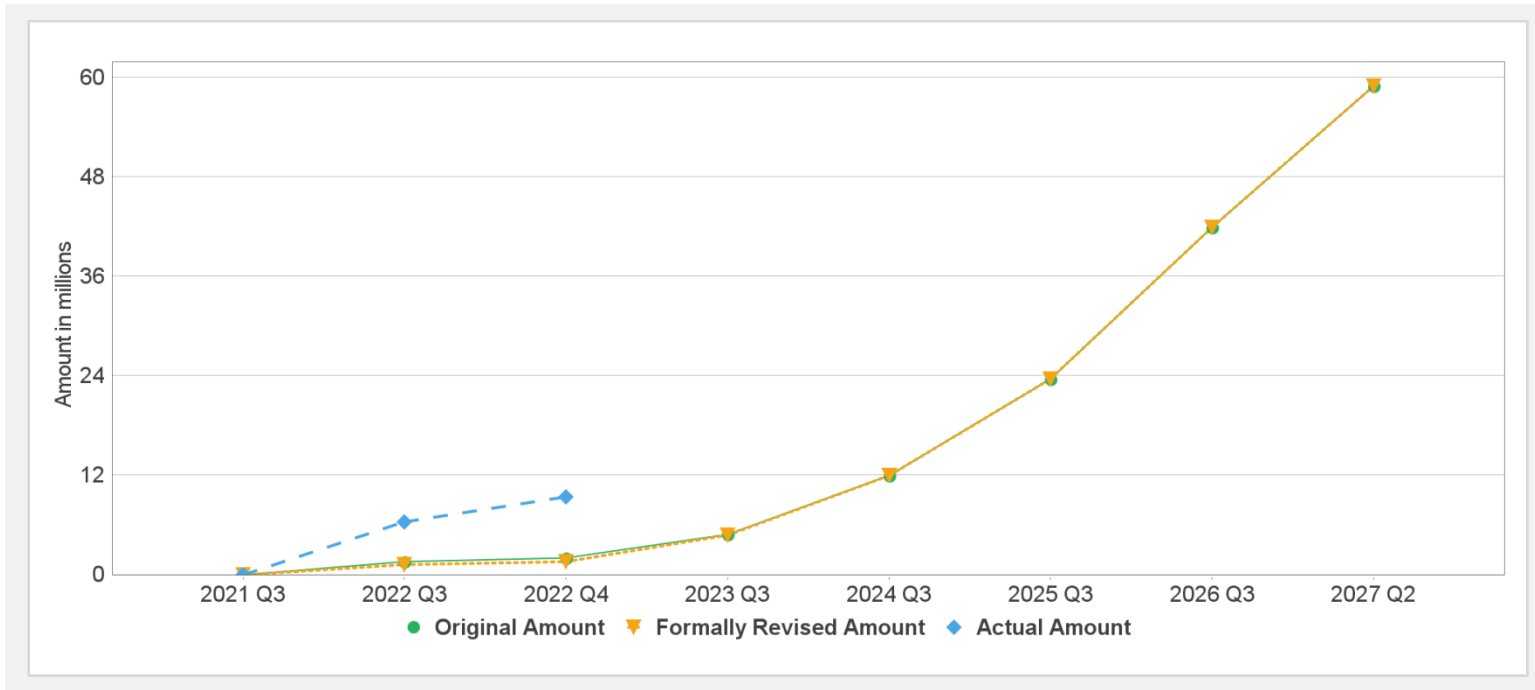
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P173416	IDA-68500	Effective	USD	29.00	29.00	0.00	8.45	20.55	29%
P173416	IDA-68510	Effective	USD	15.00	15.00	0.00	0.00	15.00	0%
P173416	IDA-D7850	Effective	USD	15.00	15.00	0.00	1.03	13.11	7.3%
P173416	TF-B5153	Effective	USD	2.50	2.50	0.00	0.00	2.50	0%
P173416	TF-B5412	Effective	USD	2.70	2.70	0.00	0.00	2.70	0%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P173416	IDA-68500	Effective	12-Mar-2021	12-Apr-2021	12-Jul-2021	30-Jun-2026	30-Jun-2026
P173416	IDA-68510	Effective	12-Mar-2021	12-Apr-2021	12-Jul-2021	30-Jun-2026	30-Jun-2026
P173416	IDA-D7850	Effective	12-Mar-2021	12-Apr-2021	12-Jul-2021	30-Jun-2026	30-Jun-2026
P173416	TF-B5153	Effective	20-Feb-2021	12-Apr-2021	12-Jul-2021	30-Jun-2023	30-Jun-2023
P173416	TF-B5412	Effective	25-Mar-2021	12-Apr-2021	12-Jul-2021	30-Jun-2026	30-Jun-2026

Cumulative Disbursements



Restructuring History

Level 2 Approved on 25-Oct-2021

Related Project(s)

There are no related projects.