

## Lesotho Renewable Energy & Energy Access Project (P166936)

AFRICA EAST | Lesotho | Energy & Extractives Global Practice | IBRD/IDA | Investment Project Financing | FY 2020 | Seq No: 2 | ARCHIVED on 26-Oct-2020 | ISR43683 |

Implementing Agencies: Kingdom of Lesotho, Ministry of Energy and Meteorology

### **Key Dates**

#### **Key Project Dates**

Bank Approval Date: 30-Jan-2020	Effectiveness Date: 31-Jul-2020
Planned Mid Term Review Date: 28-Jun-2024	Actual Mid-Term Review Date:
Original Closing Date: 31-Jan-2027	Revised Closing Date: 31-Jan-2027

#### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to increase access to electricity in rural and peri-urban areas of Lesotho.

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

#### **Components** Table

Name

No

Grid Extension to Peri-Urban Areas of Lesotho:(Cost \$30.00 M) Rural Electrification by Mini-grids:(Cost \$20.00 M) Technical Assistance and Implementation Support:(Cost \$2.90 M) Contingent Emergency Response Component

#### **Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating	Substantial	Substantial

### Implementation Status and Key Decisions

The project declared effective by the International Development Association (IDA) on July 30, 2020. The Government of Lesotho is implementing activities planned under the project.



#### 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	Moderate	Moderate	Moderate
Environment and Social	Moderate	Moderate	Moderate
Stakeholders	Moderate	Moderate	Moderate
Other			Substantial
Overall	Substantial	Substantial	Substantial

## Results

## PDO Indicators by Objectives / Outcomes

►Industrial/Economic Zones connected to main grid (Number, Custom)								
	Baseline	Actual (Previous)	Actual (Current)	End Target				
Value	0.00	0.00	0.00	6.00				
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	26-Jun-2026				
		Comments: The number of industrial sites or economic zones provided with a medium-voltage connection to the main						
Comments:	The number of indus grid under this proje	•	rovided with a medium-vol	tage connection to the main				
		ct.	rovided with a medium-vol	tage connection to the main				
	grid under this proje	ct.	rovided with a medium-vol	tage connection to the main				
	grid under this proje new or improved electricity serv	ct. <i>v</i> ice (CRI) (Number, Custom)		-				
► People provided with	grid under this proje new or improved electricity serv Baseline	ct. vice (CRI) (Number, Custom) Actual (Previous)	Actual (Current)	End Target				



	Baseline	Actual (Previous)	Actual (Current)	End Target	
Value	0.00	0.00	0.00	11,751.00	
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	26-Jun-2026	
□People provided v Breakdown)	vith access to electricity under the	e project by household connect	ions (grid or off-grid). (CRI)	(Number, Custom	
	Baseline	Actual (Previous)	Actual (Current)	End Target	
Value	0.00	0.00	0.00	22,825.00	
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	26-Jun-2026	
Renewable energy	generation capacity of mini-grids	constructed under the project (	,		
	Baseline	Actual (Previous)	Actual (Current)	End Target	
/alue	0.00	0.00	0.00	4.09	
Date	01-Nov-2019	09-Apr-2020	20-Oct-2020	15-Jan-2027	
Comments:	Renewable energy	generation capacity of mini-grid		oject	
	Renewable energy s provided with access to electric	generation capacity of mini-grid	ds constructed under the pro	oject	
		generation capacity of mini-grid	ds constructed under the pro	oject End Target	
	s provided with access to electric	generation capacity of mini-grid	ds constructed under the pro er, Custom)	-	
Community facilities	s provided with access to electric Baseline	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous)	ds constructed under the pro er, Custom) Actual (Current)	End Target	
Community facilities /alue	s provided with access to electric Baseline 0.00 01-Nov-2019	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous) 0.00 09-Apr-2020 s (schools and health centers) p	ds constructed under the pro er, Custom) Actual (Current) 0.00 20-Oct-2020	End Target 245.00 15-Jan-2027	
► Community facilities /alue Date Comments:	s provided with access to electric Baseline 0.00 01-Nov-2019 Community facilities developed under the	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous) 0.00 09-Apr-2020 s (schools and health centers) r e project	ds constructed under the pro- er, Custom) Actual (Current) 0.00 20-Oct-2020 provided with access to elect	End Target 245.00 15-Jan-2027	
► Community facilities /alue Date Comments:	s provided with access to electrici Baseline 0.00 01-Nov-2019 Community facilities developed under the enterprises provided with access	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous) 0.00 09-Apr-2020 s (schools and health centers) p e project to electricity service by mini-gr	ds constructed under the pro er, Custom) Actual (Current) 0.00 20-Oct-2020 provided with access to elect ids (Number, Custom)	End Target 245.00 15-Jan-2027 tricity service by mini-grids	
► Community facilities /alue Date Comments:	s provided with access to electric Baseline 0.00 01-Nov-2019 Community facilities developed under the	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous) 0.00 09-Apr-2020 s (schools and health centers) r e project	ds constructed under the pro- er, Custom) Actual (Current) 0.00 20-Oct-2020 provided with access to elect ids (Number, Custom) Actual (Current)	End Target 245.00 15-Jan-2027	
► Community facilities /alue Date Comments:	s provided with access to electrici Baseline 0.00 01-Nov-2019 Community facilities developed under the enterprises provided with access	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous) 0.00 09-Apr-2020 s (schools and health centers) p e project to electricity service by mini-gr	ds constructed under the pro er, Custom) Actual (Current) 0.00 20-Oct-2020 provided with access to elect ids (Number, Custom)	End Target 245.00 15-Jan-2027 tricity service by mini-grids	
<ul> <li>Community facilities</li> <li>/alue</li> <li>Date</li> <li>Comments:</li> <li>Small and Medium</li> </ul>	s provided with access to electric Baseline 0.00 01-Nov-2019 Community facilities developed under the enterprises provided with access Baseline	generation capacity of mini-grid ity service by mini-grids (Numb Actual (Previous) 0.00 09-Apr-2020 s (schools and health centers) p e project to electricity service by mini-gr Actual (Previous)	ds constructed under the pro- er, Custom) Actual (Current) 0.00 20-Oct-2020 provided with access to elect ids (Number, Custom) Actual (Current)	End Target 245.00 15-Jan-2027 tricity service by mini-grids End Target	

## Intermediate Results Indicators by Components

Grid Extension to Peri-Urban Areas of Lesotho



	,		Custom)						
	Baseline	Actual (Previous)	Actual (Current)	End Target					
Value	0.00	0.00	0.00	1,400.00					
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	15-Jan-2027					
Comments:	ments: Households provided with access to electricity services by grid extension funded by project								
► Medium Voltage Dis	stribution lines constructed or reh	abilitated under the project (Kile	ometers, Custom)						
	Baseline	Actual (Previous)	Actual (Current)	End Target					
Value	0.00	0.00	0.00	240.00					
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	15-Jan-2027					
Comments:	Medium Voltage Dis	stribution lines constructed or re	ehabilitated under the project	ct					
Value	Baseline 0.00	Actual (Previous) 0.00	Actual (Current) 0.00	End Target 90.00					
Low voltage distribut	tion lines constructed or rehabilit			End Target					
value	0.00	0.00	0.00	90.00					
		00 4	00.0-1.0000	45 1 0005					
Date	28-Jun-2019	09-Apr-2020	20-Oct-2020	15-Jan-2027					
	28-Jun-2019	09-Apr-2020 tion lines constructed or rehabi		15-Jan-2027					
Date Comments:	28-Jun-2019	tion lines constructed or rehabi	ilitated under the project	15-Jan-2027					
Date Comments:	28-Jun-2019 Low voltage distribu	tion lines constructed or rehabi	ilitated under the project	15-Jan-2027 End Target					
Date Comments:	28-Jun-2019 Low voltage distribu ons constructed or rehabilitated u	tion lines constructed or rehabi under the project (Number, Cus	ilitated under the project						
Date Comments: Distribution substation	28-Jun-2019 Low voltage distribu ons constructed or rehabilitated u Baseline	tion lines constructed or rehabi under the project (Number, Cus Actual (Previous)	stom) Actual (Current)	End Target					
Date Comments: Distribution substation Value	28-Jun-2019 Low voltage distributions constructed or rehabilitated of Baseline 0.00 28-Jun-2019	tion lines constructed or rehabi under the project (Number, Cus Actual (Previous) 0.00	Actual (Current) 0.00 20-Oct-2020	End Target 6.00					
Date Comments: Distribution substation Value Date Comments:	28-Jun-2019 Low voltage distribut ons constructed or rehabilitated u Baseline 0.00 28-Jun-2019 Distribution substati	tion lines constructed or rehabilitated under the project (Number, Cus Actual (Previous) 0.00 09-Apr-2020 ons constructed or rehabilitated	ilitated under the project stom) Actual (Current) 0.00 20-Oct-2020 d under the project	End Target 6.00					
Date Comments: Distribution substation Value Date Comments:	28-Jun-2019 Low voltage distribut ons constructed or rehabilitated u Baseline 0.00 28-Jun-2019 Distribution substati	tion lines constructed or rehabi under the project (Number, Cus Actual (Previous) 0.00 09-Apr-2020 ons constructed or rehabilitated	ilitated under the project stom) Actual (Current) 0.00 20-Oct-2020 d under the project Metric tons/year, Custom)	End Target 6.00 15-Jan-2027					
Date Comments: Distribution substation Value Date Comments: Volume of CO2 emission	28-Jun-2019 Low voltage distribut ons constructed or rehabilitated u Baseline 0.00 28-Jun-2019 Distribution substati ssions reduced from electrification Baseline	tion lines constructed or rehabilitated or by grid extension per year (MActual (Previous)	ilitated under the project stom) Actual (Current) 0.00 20-Oct-2020 d under the project letric tons/year, Custom) Actual (Current)	End Target 6.00 15-Jan-2027 End Target					
Date Comments: Distribution substation Value Date Comments:	28-Jun-2019 Low voltage distribut ons constructed or rehabilitated u Baseline 0.00 28-Jun-2019 Distribution substati	tion lines constructed or rehabi under the project (Number, Cus Actual (Previous) 0.00 09-Apr-2020 ons constructed or rehabilitated	ilitated under the project stom) Actual (Current) 0.00 20-Oct-2020 d under the project Metric tons/year, Custom)	End Target 6.00 15-Jan-2027					

Rural Electrification by Mini-grids



	Baseline	Actual (Previous)	Actual (Current)	End Target				
Value	0.00	0.00	0.00	39.00				
Date	05-Mar-2019	09-Apr-2020	20-Oct-2020	15-Jan-2027				
Comments:	Mini-grids constructe	Mini-grids constructed or rehabilitated under project						
► Households provide	d with access to electricity servic	es by mini-grids (Number, Cust	tom)					
	Baseline	Actual (Previous)	Actual (Current)	End Target				
Value	0.00	0.00	0.00	4,165.00				
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	15-Jan-2027				
Comments:	Households provide	d with access to electricity serv	rices by mini-grids under the	e project				
► Health facilities prov	ided with access to electricity se	rvice (Number Custom)						
	Baseline		Actual (Current)	End Torget				
Value	0.00	Actual (Previous) 0.00	Actual (Current) 0.00	End Target 30.00				
Date	01-Nov-2019	09-Apr-2020	20-Oct-2020	15-Jan-2027				
Comments:	Health facilities prov	ided with access to electricity s	service by mini-grids develo	ped under the project				
	ith access to clastricity accession (A	lumber Custom)						
Cohoolo provided with	in access to electricity service (N	lumber, Custom)						
Schools provided with				End Larget				
	Baseline 0.00	Actual (Previous) 0.00	Actual (Current) 0.00	End Target 205.00				
Value	0.00 01-Nov-2019	0.00	0.00 20-Oct-2020	205.00 15-Jan-2027				
Value Date Comments:	0.00 01-Nov-2019 Schools provided wi	0.00 09-Apr-2020 th access to electricity service	0.00 20-Oct-2020 by mini-grids developed une	205.00 15-Jan-2027				
Value Date Comments:	0.00 01-Nov-2019	0.00 09-Apr-2020 th access to electricity service	0.00 20-Oct-2020 by mini-grids developed une	205.00 15-Jan-2027				
Value Date Comments:	0.00 01-Nov-2019 Schools provided wi	0.00 09-Apr-2020 th access to electricity service	0.00 20-Oct-2020 by mini-grids developed une	205.00 15-Jan-2027				
Value Date Comments:	0.00 01-Nov-2019 Schools provided wi	0.00 09-Apr-2020 th access to electricity service electricity service (Number, C	0.00 20-Oct-2020 by mini-grids developed und	205.00 15-Jan-2027 der the project				



		n by mini-grids per year (Metric		
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,571.00
Date	28-Jun-2018	09-Apr-2020	20-Oct-2020	15-Jan-2027
Comments:	Volume of CO2 emis	ssions reduced from electrificat	ion by mini-grids under the	project
► Volume of additional fi	nancing for clean energy inves	tment leveraged (USD) (Amou	nt(USD), Custom)	
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10,000,000.00
Date	05-Mar-2019	09-Apr-2020	20-Oct-2020	15-Jan-2027
Comments:	Volume of additiona	I financing for clean energy inve	estment leveraged (USD) b	y the project.
Technical Assistance and	Implementation Support			
Independent verificatio	n of new connections complete	ed (Yes/No, Custom)		
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Baseline No	Actual (Previous)	Actual (Current)	End Target Yes
Value Date				
Value Date Comments:	No 28-Jun-2018	No	No 20-Oct-2020	Yes
Date Comments:	No 28-Jun-2018 Independent verifica	No 09-Apr-2020 Ition of new connections comple	No 20-Oct-2020 eted by project	Yes 15-Jan-2027
Date Comments:	No 28-Jun-2018 Independent verifica program developed, with a for	No 09-Apr-2020 ation of new connections complet cus on female members of hour	No 20-Oct-2020 eted by project seholds and businesses (Y	Yes 15-Jan-2027 es/No, Custom)
Date Comments: Consumer awareness	No 28-Jun-2018 Independent verification program developed, with a foo Baseline	No 09-Apr-2020 ation of new connections comple cus on female members of hous Actual (Previous)	No 20-Oct-2020 eted by project seholds and businesses (Yo Actual (Current)	Yes 15-Jan-2027 es/No, Custom) End Target
Date Comments: Consumer awareness Value	No 28-Jun-2018 Independent verification program developed, with a foo Baseline No	No 09-Apr-2020 ation of new connections complet cus on female members of hour Actual (Previous) No	No 20-Oct-2020 eted by project seholds and businesses (Yo Actual (Current) No	Yes 15-Jan-2027 es/No, Custom) End Target Yes
Date Comments: Consumer awareness Value Date	No 28-Jun-2018 Independent verifica program developed, with a foo Baseline No 28-Jun-2018	No 09-Apr-2020 Ition of new connections complet cus on female members of hour Actual (Previous) No 09-Apr-2020	No 20-Oct-2020 eted by project seholds and businesses (Y Actual (Current) No 20-Oct-2020	Yes 15-Jan-2027 es/No, Custom) End Target Yes 15-Jan-2027
Date Comments: Consumer awareness Value Date	No 28-Jun-2018 Independent verifica program developed, with a foo Baseline No 28-Jun-2018	No 09-Apr-2020 ation of new connections complet cus on female members of hour Actual (Previous) No	No 20-Oct-2020 eted by project seholds and businesses (Y Actual (Current) No 20-Oct-2020	Yes 15-Jan-2027 es/No, Custom) End Target Yes 15-Jan-2027
Date Comments: Consumer awareness Value Date Comments:	No28-Jun-2018Independent verificationprogramdeveloped, with a footBaselineNo28-Jun-2018Consumer awarenestand businesses	No 09-Apr-2020 Ition of new connections complet cus on female members of hour Actual (Previous) No 09-Apr-2020	No 20-Oct-2020 eted by project seholds and businesses (Y Actual (Current) No 20-Oct-2020 roject, with a focus on fema	Yes 15-Jan-2027 es/No, Custom) End Target Yes 15-Jan-2027 ile members of households
Date Comments: Consumer awareness Value Date Comments:	No28-Jun-2018Independent verificationprogramdeveloped, with a footBaselineNo28-Jun-2018Consumer awarenestand businesses	No 09-Apr-2020 ation of new connections complet cus on female members of hous Actual (Previous) No 09-Apr-2020 ss program developed by the pr	No 20-Oct-2020 eted by project seholds and businesses (Y Actual (Current) No 20-Oct-2020 roject, with a focus on fema	Yes 15-Jan-2027 es/No, Custom) End Target Yes 15-Jan-2027 ile members of households
Date Comments: Consumer awareness Value Date Comments:	No         28-Jun-2018         Independent verification         program       developed, with a foot         Baseline         No         28-Jun-2018         Consumer awareness and businesses         at to female entrepreneurship contents	No 09-Apr-2020 ation of new connections completed and action plan for in	No 20-Oct-2020 eted by project seholds and businesses (Y Actual (Current) No 20-Oct-2020 roject, with a focus on fema mini-grid sector delivered (	Yes 15-Jan-2027 es/No, Custom) End Target Yes 15-Jan-2027 ile members of households Yes/No, Custom)
Date Comments: Consumer awareness Value Date Comments: Assessment of barriers	No   28-Jun-2018   Independent verification   program   developed, with a foot   Baseline   No   28-Jun-2018   Consumer awareness   and businesses   s to female entrepreneurship consumer   Baseline	No 09-Apr-2020 ation of new connections completed cus on female members of hour Actual (Previous) No 09-Apr-2020 ss program developed by the pro ompleted and action plan for in Actual (Previous)	No 20-Oct-2020 eted by project seholds and businesses (Y Actual (Current) No 20-Oct-2020 roject, with a focus on fema mini-grid sector delivered ( Actual (Current)	Yes 15-Jan-2027 es/No, Custom) End Target Yes 15-Jan-2027 ile members of households Yes/No, Custom) End Target



► Percentage of female engineers employed at LEC (Percentage, Custom)								
	Baseline	Actual (Previous)	Actual (Current)	End Target				
Value	5.00	5.00	5.00	10.00				
Date	30-Aug-2019	09-Apr-2020	20-Oct-2020	15-Jan-2027				
Comments:	Percentage of female eng	ineers employed at LEC						
► Grievances received and add	ressed (Percentage, Custom	)						
	Baseline	Actual (Previous)	Actual (Current)	End Target				
Value	0.00	0.00	0.00	100.00				
Date	28-Jun-2019	09-Apr-2020	20-Oct-2020	26-Jun-2026				

## Performance-Based Conditions

## **Data on Financial Performance**

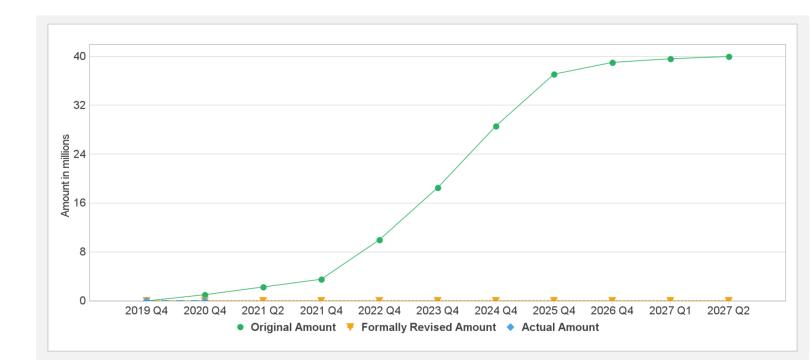
### **Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P166936	IDA-65320	Effective	USD	40.00	40.00	0.00	0.00	41.05	0%
P166936	TF-B1681	Effective	USD	4.90	4.90	0.00	0.42	4.48	8.6%
P166936	TF-B1683	Effective	USD	8.00	8.00	0.00	0.00	8.00	0%

## Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P166936	IDA-65320	Effective	30-Jan-2020	13-Mar-2020	31-Jul-2020	31-Jan-2027	31-Jan-2027
P166936	TF-B1681	Effective	02-Dec-2019	13-Mar-2020	31-Jul-2020	31-Jan-2027	31-Jan-2027
P166936	TF-B1683	Effective	30-Jan-2020	13-Mar-2020	31-Jul-2020	31-Jan-2027	31-Jan-2027

### **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.