



Clean and Efficient Energy Project (P143689)

MIDDLE EAST AND NORTH AFRICA | Morocco | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 11 | ARCHIVED on 25-Jun-2021 | ISR46736 |

Implementing Agencies: Office National de l'Electricité et de l'Eau potable (ONEE), Office National de l'Electricité et de l'Eau potable (ONEE)

Key Dates**Key Project Dates**

Bank Approval Date: 24-Apr-2015

Effectiveness Date: 28-Oct-2015

Planned Mid Term Review Date: 02-Feb-2018

Actual Mid-Term Review Date: 02-Feb-2018

Original Closing Date: 30-Nov-2020

Revised Closing Date: 31-Oct-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To improve the capacity of ONEE to supply and dispatch clean electricity and to meet the demand of targeted customers more efficiently in the project area.

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

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

To support clean power generation and to improve operational efficiency of Morocco's national power utility.

Components Table

Name

Component 1: Support to ONEE's Solar PV Program:(Cost \$116.90 M)

Component 2: Planning and Dispatching of Renewable Energies:(Cost \$8.00 M)

Component 3: Utility Demand-side Management and Revenue Protection Program:(Cost \$21.05 M)

Component 4: Technical Assistance:(Cost \$3.00 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 Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions**Project Progress**

- Overall, the project implementation progress and progress towards achieving the PDO is moderately satisfactory.

Support to Solar Photovoltaic (PV) Program – Component 1

- Overall progress on the construction of the three PV plants in Southeastern Morocco has reached 100 percent by early June 2021 (versus 95 percent six months earlier).



Planning and Dispatching of Renewable Energies – Component 2

- This Component experienced some delays due to COVID19. The revamped national dispatch center is now expected to be operational by mid October 2021.

Demand Side Management and Revenue Protection Program – Component 3

- The Revenue Protection Program. The Bank notes again with satisfaction the progress made under this strategic component. Work start is scheduled for July 2021.
- Time of use meter deployment has reached a completion rate of 49 percent (versus 42 percent six months earlier).

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

PDO1: Support clean power generation				
▶ Clean Energy Generation (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
▶ Direct project beneficiaries (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	412,056.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
□ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
► Green-House Gas (GHG) emissions avoided (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	78,018.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022

PDO2: Improve operational efficiency of Morocco's national power utility				
► Displaced Fossil Fuel Energy (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
► Energy billed as a result of commercial losses reduction (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022

Intermediate Results Indicators by Components

Component 1: Support to ONEE's Solar PV Program				
► Citizen Engagement - Consultation Process (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	3.00



Date	02-Nov-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
Comments:	<p>Citizen Engagement : The project's citizen engagement plan is being implemented in three assessment phases: beginning of project (March 2014), Mid-term (March 2018), and after project implementation (in 2022). This plan focuses on three pillars: (i) improved service delivery, (ii) ownership and sustainability and (iii) open & accountable governments - Improved Service Delivery: listening to project beneficiaries and informing them on contemplated benefits of the project in terms of power quality and related induced benefits on health, security and overall quality of life. After the photovoltaic plants commissioning, the team will consult the beneficiaries to gather feedback. - Ownership and Sustainability, through the use land acquisition proceeds to enhance the sense of ownership and local buy-in through participatory planning, budgeting, and project management. Local projects to be funded by the compensation funds have been identified in the three project sites in consultation with project beneficiaries. - Open and Accountable Governments, by empowering beneficiaries to access information, monitor progress and report discrepancies. The 2018 Citizen Consultation has reinforced the grievance redress mechanism (More information on dedicated GRM Section).</p>			
► Number of Solar PV Plants commissioned (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	3.00	3.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
► Grievances registered related to delivery of project benefits addressed (%) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
Component 2: Planning and Dispatching of Renewable Energies				
► Upgraded Dispatch Center operational (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022
► Energy demand forecast model acquired (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022



Component 3: Utility Demand-side Management and Revenue Protection Program

► Number of clients equipped with Smart Meters (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	26,826.00	31,301.00	63,600.00
Date	23-Apr-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022

Component 4: Technical Assistance



► ONEE Transformation Study Completed (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	30-Nov-2015	16-Nov-2020	01-Jun-2021	31-Oct-2022

Performance-Based Conditions

Data on Financial Performance

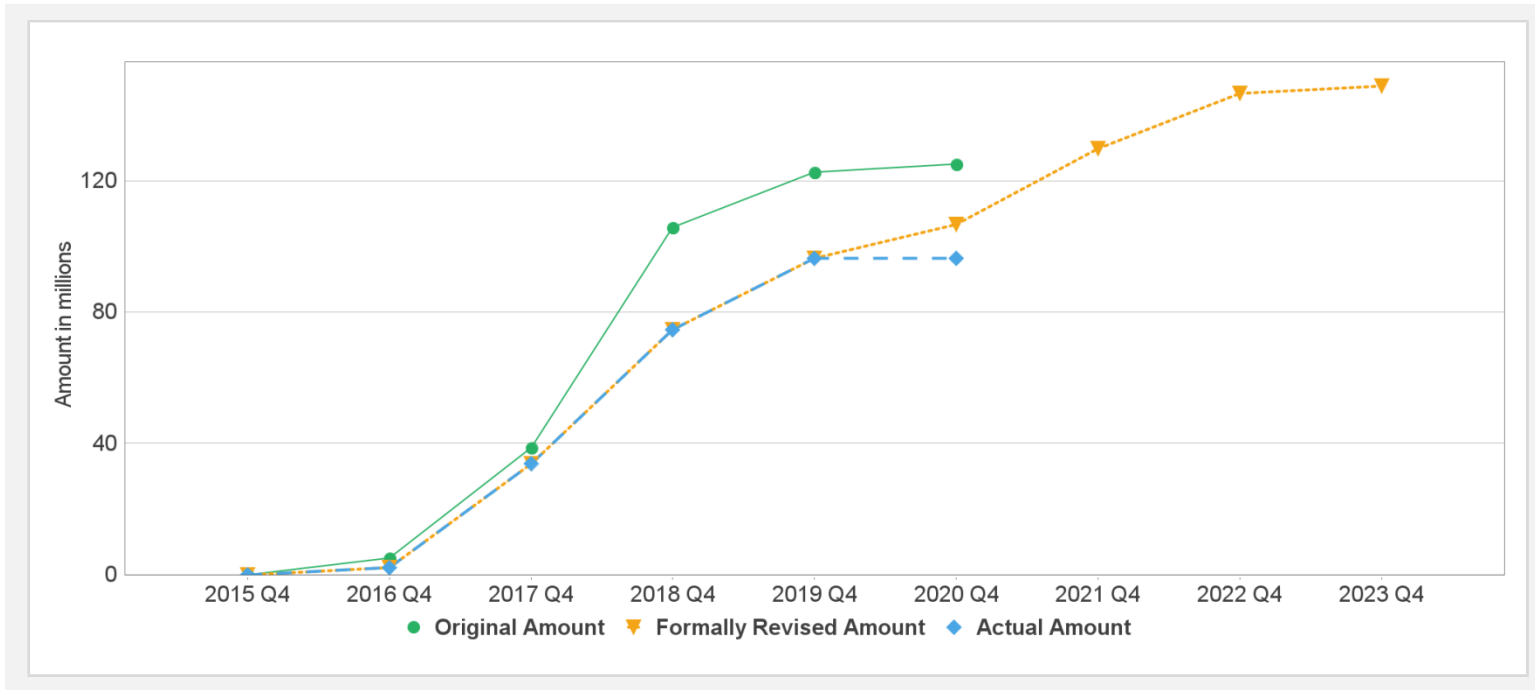
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P143689	IBRD-85060	Effective	USD	125.00	125.00	0.00	75.95	49.05	 61%
P143689	TF-19266	Effective	USD	23.95	23.95	0.00	21.74	2.21	 91%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P143689	IBRD-85060	Effective	24-Apr-2015	02-Jul-2015	28-Oct-2015	30-Nov-2020	31-Oct-2022
P143689	TF-19266	Effective	24-Apr-2015	02-Jul-2015	28-Oct-2015	30-Nov-2020	31-Oct-2022

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
--------	----------	-------------	-----	------------	--------------------	-------------------------	------------------------

Restructuring History

Level 2 Approved on 17-Sep-2019

Related Project(s)

There are no related projects.