



## 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: 1 | ARCHIVED on 08-Dec-2015 | ISR20944 |

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

### Key Dates

#### Key Project Dates

Bank Approval Date:24-Apr-2015

Effectiveness Date:28-Oct-2015

Planned Mid Term Review Date:20-Nov-2017

Actual Mid-Term Review Date:--

Original Closing Date:30-Nov-2020

Revised Closing Date:30-Nov-2020

### 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?

No

### Components

Name

Component 1: Support to ONEE's Solar PV Program:(Cost \$129.70 M)

Component 2: Planning and Dispatching of Renewable Energies:(Cost \$5.20 M)

Component 3: Utility Demand-side Management and Revenue Protection Program:(Cost \$13.45 M)

Component 4: Technical Assistance:(Cost \$0.60 M)

### Overall Ratings

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



## Implementation Status and Key Decisions

The project's legal documents were signed on July 2, 2015 and both IBRD and CTF loans were declared effective on October 28, 2015.

The procurement process for the selection of a contractor for the construction, operation and maintenance of three solar photovoltaic plants with a total installed capacity of 75-100 MW is progressing adequately. The pre-qualification process is on-going and ONEE is currently evaluating the qualifications of interested companies.

ONEE is expected to launch a tender for the supply of 63,600 time-of-use meters for low voltage customers by end of November 2015.

## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Project Development Objective Indicators



► Generation Capacity of Renewable Energy (other than hydropower) constructed (Megawatt, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	75.00
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

▲ Generation Capacity of Renewable Energy constructed-Solar (Megawatt, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	75.00
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

► Renewable Energy dispatch system installed and operational (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

► Direct project beneficiaries (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	412056.00
Date	23-Apr-2015	--	20-Nov-2015	30-Jun-2019

▲ Female beneficiaries (Percentage, Core Supplement)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	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	78018.00
Date	23-Apr-2015	--	20-Nov-2015	23-Apr-2020

Overall Comments

**Intermediate Results Indicators**

► Number of Solar PV Plants commissioned (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	3.00
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

► Lessons on operating grids with large RE shares or other topics of relevance for ONEE RE development documented and applied (following training/study tours) (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020



► Grievances registered related to delivery of project benefits addressed (%) (Percentage, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	100.00
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

▲ Grievances related to delivery of project benefits that are addressed (number) (Number, Core Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	100.00

► Completed awareness campaign on smart meters (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

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

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	63600.00
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020



► Ratio of readjusted original bills for customers with Smart Meters (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.33	--	0.00	0.25
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

► Feedback from customers with smart meters collected (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

► Volume of direct finance leveraged through CTF funding (Amount(USD), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	129000000.00
Date	23-Apr-2015	--	20-Nov-2015	30-Jun-2019

► Reduction of ONEE's total electricity losses (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	10.75
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020



► Benchmark study on private sector participation in Solar PV projects completed. (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

► Study on additional energy efficiency and demand-side management programs completed. (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	23-Apr-2015	--	20-Nov-2015	30-Nov-2020

Overall Comments

## Data on Financial Performance

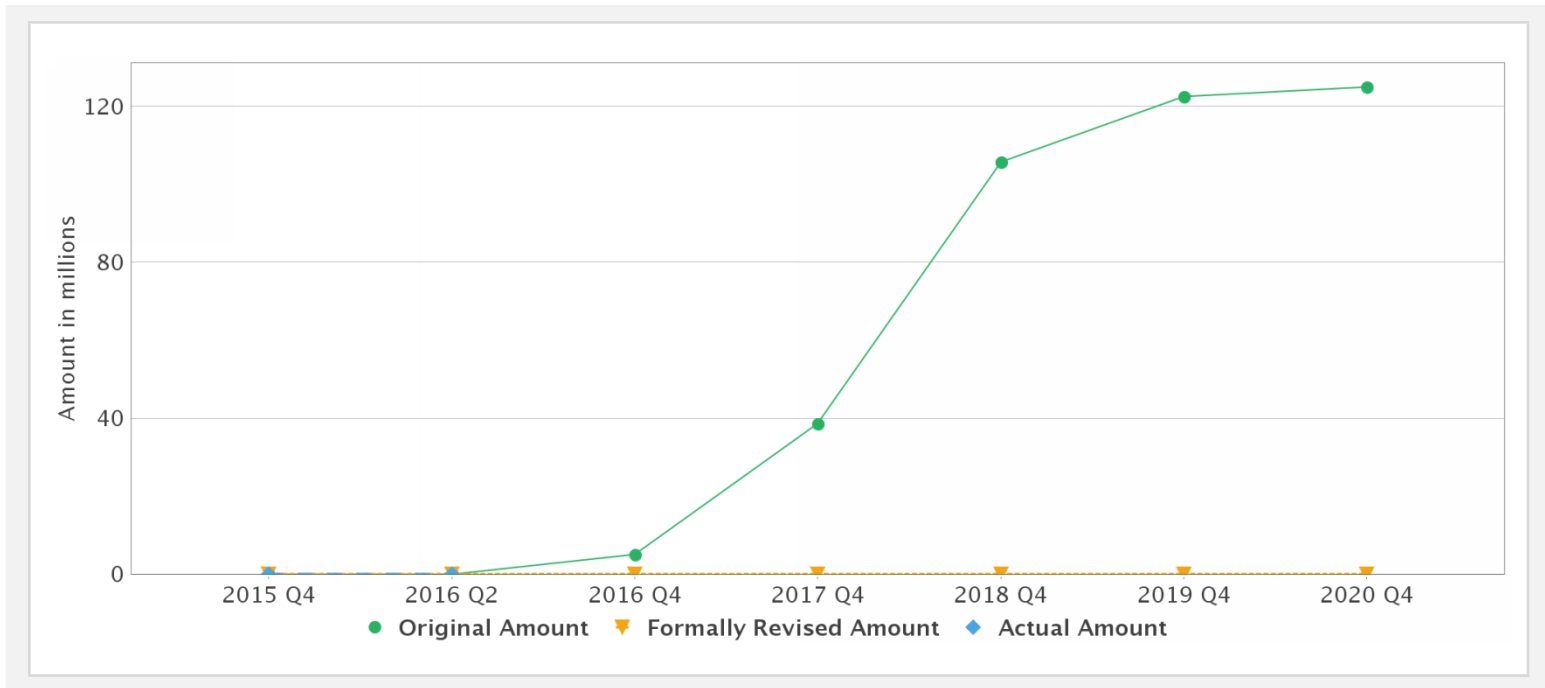
### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P143689	IBRD-85060	Effective	USD	125.00	125.00	0.00	0.31	124.69	0%
P143689	TF-19266	Effective	USD	23.95	23.95	0.00	0.00	23.95	0%

### 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	30-Nov-2020
P143689	TF-19266	Effective	24-Apr-2015	02-Jul-2015	28-Oct-2015	30-Nov-2020	30-Nov-2020

### Cumulative Disbursements



## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.