



Electricity Supply Reliability Project (P116748)

EUROPE AND CENTRAL ASIA | Armenia | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 16 | ARCHIVED on 24-Dec-2020 | ISR43164 |

Implementing Agencies: Republic of Armenia, High Voltage Electric Networks

Key Dates

Key Project Dates

Bank Approval Date: 26-May-2011

Effectiveness Date: 28-Nov-2011

Planned Mid Term Review Date: 17-Apr-2014

Actual Mid-Term Review Date: 27-Jan-2014

Original Closing Date: 30-Jun-2016

Revised Closing Date: 31-Dec-2020

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to increase the reliability and capacity of the transmission network.

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

No

Components Table

Name

Component 1: Strengthening of the power transmission network:(Cost \$64.80 M)

Component 2: Technical assistance:(Cost \$6.50 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

Despite some delays, the works on the Lalvar-Noyemberyan overhead transmission line were completed. Vanadzor-1 rehabilitation works have resumed. The rehabilitation of Charentsavan-3 substation and the tender for procurement of the contractor for rehabilitation of Zovuny substation are expected to start in early 2021.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Increase the reliability of the transmission system				
▶ Outages per year on the target section of the transmission line (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14.00	5.00	3.00	3.00
Date	07-Apr-2011	10-Dec-2019	01-Dec-2020	31-Dec-2020
Comments:	The restructuring of the project in October 2015 extended the total length of transmission lines to be replaced and by consequence increased the number of outages from the baseline of 14 to 20. However, as the project implementation progressed the indicator improved and is expected to meet the target by revised project completion.			
▶ Average interruption frequency per year in the project area (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.20	0.21	0.17	0.08
Date	17-Mar-2014	30-May-2018	01-Dec-2020	31-Dec-2023
<input type="checkbox"/> Customers served in the project area (Number, Custom Supplement)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	62,000.00	61,930.00	61,930.00	362,000.00
► Average interruption frequency per year for customers of the Special Economic Zone served by Haghtanak substation (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.20	0.21	0.17	0.05
Date	17-Mar-2014	30-May-2018	01-Dec-2020	31-Dec-2023
► Plant and equipment failures per year in target substations (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	8.00	7.00	6.00	2.00
Date	17-Mar-2014	10-Dec-2019	01-Dec-2020	31-Dec-2023

Increase the capacity of the transmission system				
► Increased capacity of the targeted section of the transmission line (Megawatt, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	250.00	379.00	380.00	380.00
Date	07-Apr-2011	10-Dec-2019	01-Dec-2020	31-Dec-2020

Overall Comments

The target dates for transmission lines are not extended because those targets have already been achieved. Those transmission lines have been financed under the Loan No. 8055-AM, which is not extended beyond December 31, 2020 and the remaining balance of about \$1.4 million would be disbursed within the grace period after the closing date.

Intermediate Results Indicators by Components

Component 1: Strengthening of the power transmission network				
► Total number of substations rehabilitated under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	4.00
Date	17-Mar-2014	10-Dec-2019	01-Dec-2020	31-Dec-2023



▶ Transmission lines constructed or rehabilitated under the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	255.00	255.00	255.00
Date	07-Apr-2011	10-Dec-2019	01-Dec-2020	31-Dec-2020
□ Transmission lines constructed under the project (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	255.00	255.00	255.00
Date	07-Apr-2011	10-Dec-2019	10-Dec-2019	31-Dec-2020
▶ Percent of registered project related grievances (disaggregated by gender) responded to within stipulated service standards for response times (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	100.00	100.00	100.00	100.00
Date	30-Jun-2015	28-Dec-2018	01-Jul-2020	31-Dec-2023

Overall Comments

The target dates for transmission lines are not extended because those targets have already been achieved. Those transmission lines have been financed under the Loan No. 8055-AM, which is not extended beyond December 31, 2020 and the remaining balance of about \$1.4 million would be disbursed within the grace period after the closing date.

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P116748	IBRD-80550	Effective	USD	39.00	35.50	3.50	34.15	1.35	96%
P116748	IBRD-83880	Effective	USD	40.00	36.00	4.00	19.61	16.39	54%

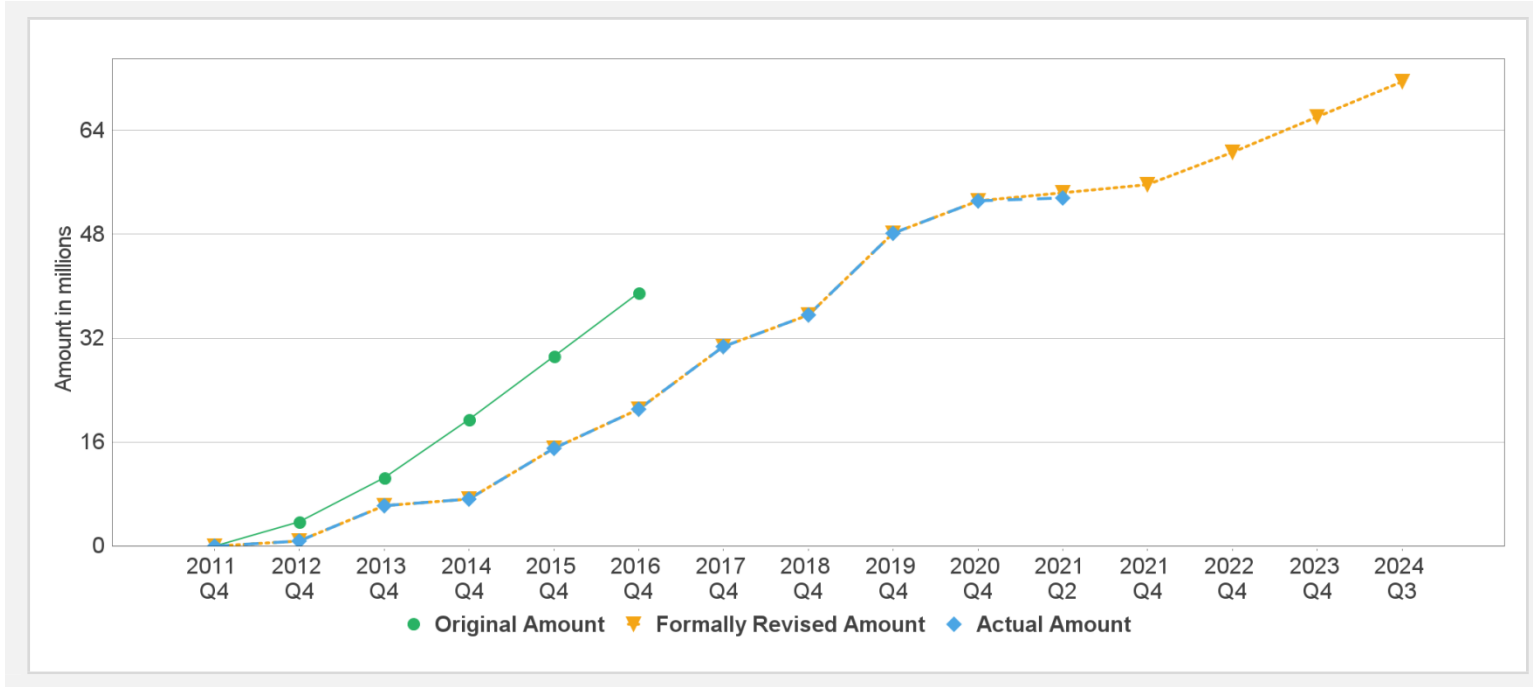
Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P116748	IBRD-80550	Effective	26-May-2011	01-Jun-2011	28-Nov-2011	30-Jun-2016	31-Dec-2020



P116748	IBRD-83880	Effective	02-Jul-2014	06-Aug-2014	03-Feb-2015	31-Dec-2018	31-Dec-2020
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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 03-Sep-2015 ,Level 2 Approved on 09-Jun-2017 ,Level 2 Approved on 19-Jun-2018 ,Level 2 Approved on 23-Dec-2019

Related Project(s)

P148102-Electricity Supply Reliability Project: Additional Financing