



Electricity Supply Reliability Project (P116748)

EUROPE AND CENTRAL ASIA | Armenia | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2011 | Seq No: 10 | ARCHIVED on 13-Nov-2017 | ISR29608 |

Implementing Agencies: MINISTRY OF FINANCE, 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-2018

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

Name

Component 1: Strengthening of the power transmission network:(Cost \$69.80 M)

Component 2: Technical assistance:(Cost \$6.50 M)

Overall Ratings

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

Implementation Status and Key Decisions

HVEN completed construction of 226 km of transmission line (out of total 230 km) from Hrazdan Thermal Power Plant to Shinuhayr substation. Detailed



design for rehabilitation of Lalvar and Noyemberyan transmission line has been completed, and the civil works are expected to commence by end of 2017. Civil works at Haghtanak substation are underway without any major issues. Rehabilitation works at Charentsavan-3 and Vanadzor-1 substations are expected to commence once revision or confirmation of investment needs at those substations is complete by end of November, 2017.

Risks

Systematic Operations Risk-rating Tool

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

Results

Project Development Objective Indicators

► Increased capacity of the targeted section of the transmission line (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	250.00	250.00	250.00	380.00
Date	07-Apr-2011	30-Jan-2017	31-Oct-2017	31-Dec-2019

► Outages per year on the target section of the transmission line (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14.00	18.00	18.00	3.00



Date	07-Apr-2011	30-Jan-2017	31-Oct-2017	31-Dec-2019
------	-------------	-------------	-------------	-------------

► Plant and equipment failures per year in target substations (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	8.00	10.00	10.00	1.00
Date	17-Mar-2014	30-Jan-2017	31-Oct-2017	31-Dec-2019

► Average interruption frequency per year in the project area (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.20	0.21	0.21	0.08
Date	17-Mar-2014	30-Jan-2017	31-Oct-2017	31-Dec-2019

▲ 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	0.21	0.05
Date	17-Mar-2014	30-Jan-2017	31-Oct-2017	31-Dec-2019

Overall Comments

PDO indicators remain unchanged as these cannot be measured until all works on the lines and substations being rehabilitation are completed and data is collected and reported on. This is expected in 2018 according to the current project schedule.

Intermediate Results Indicators

► Transmission lines constructed or rehabilitated under the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	185.00	185.00	255.00
Date	07-Apr-2011	30-Jan-2017	10-Oct-2017	31-Dec-2019

▲ Transmission lines constructed under the project (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	185.00	185.00	255.00
Date	07-Apr-2011	30-Jan-2017	10-Oct-2017	31-Dec-2019

► Total number of substations rehabilitated under the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	17-Mar-2014	30-Jan-2017	10-Oct-2017	31-Dec-2019




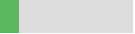
► Percent of registered project related grievances (disaggregated by gender) responded to within stipulated service standards for response times (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	100.00	100.00	100.00	100.00
Date	30-Jun-2015	30-Jan-2017	10-Oct-2017	31-Dec-2019

Overall Comments

Data on Financial Performance

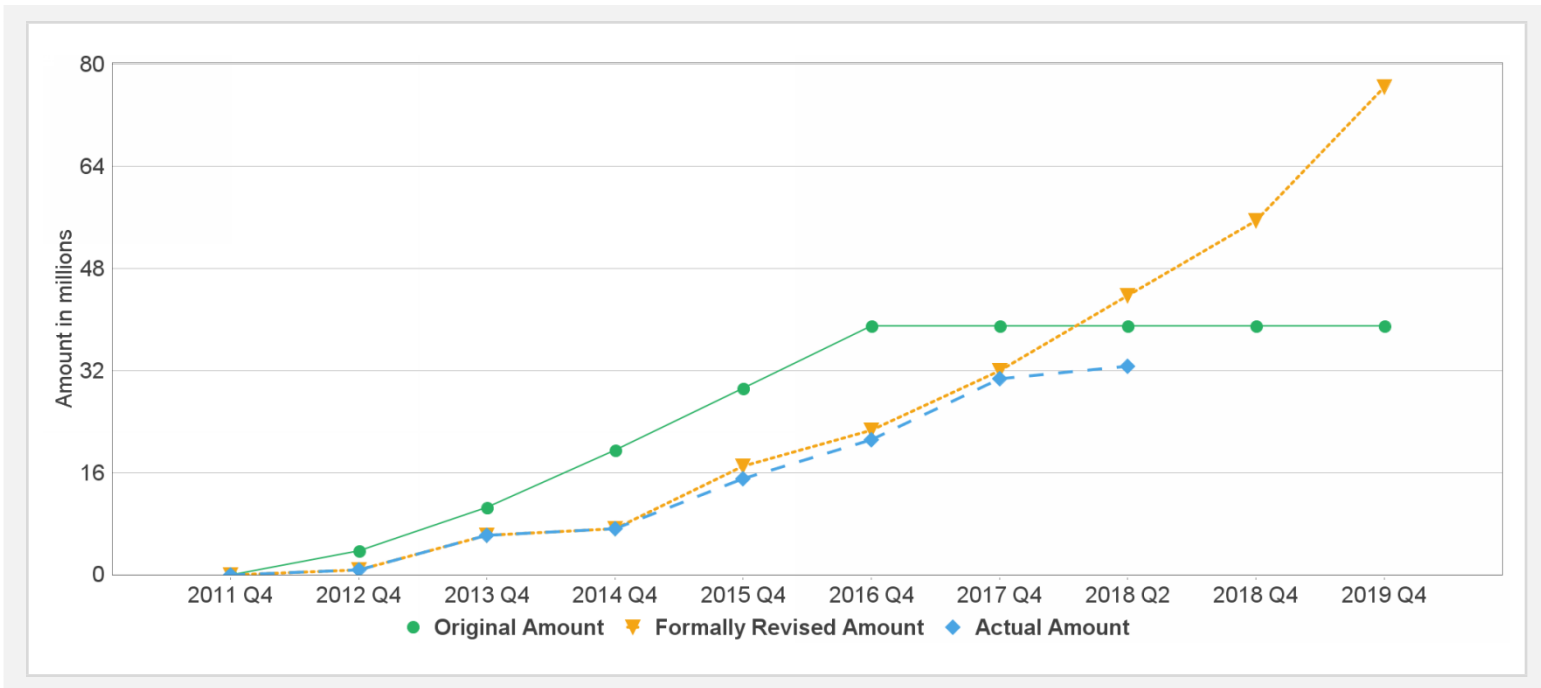
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P116748	IBRD-80550	Effective	USD	39.00	39.00	0.00	26.65	12.35	 68%
P116748	IBRD-83880	Effective	USD	40.00	40.00	0.00	6.19	33.81	 15%

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	30-Jun-2018
P116748	IBRD-83880	Effective	02-Jul-2014	06-Aug-2014	03-Feb-2015	31-Dec-2018	31-Dec-2018

Cumulative Disbursements



Restructuring History

Level 2 Approved on 03-Sep-2015 ,Level 2 Approved on 09-Jun-2017

Related Project(s)

P148102-Electricity Supply Reliability Project: Additional Financing