



Second Power Transmission Project (P146788)

EUROPE AND CENTRAL ASIA | Ukraine | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 15 | ARCHIVED on 22-Dec-2021 | ISR49654 |

Implementing Agencies: Ministry of Finance, National Power Company Ukrenergo (UE), Ministry of Energy of Ukraine

Key Dates

Key Project Dates

Bank Approval Date: 22-Dec-2014

Effectiveness Date: 09-Jun-2015

Planned Mid Term Review Date: 01-May-2018

Actual Mid-Term Review Date: 07-Jun-2018

Original Closing Date: 30-Jun-2020

Revised Closing Date: 29-Jun-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To improve the reliability of power transmission system and support implementation of the Wholesale Electricity Market in Ukraine.

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

No

Components Table

Name

Rehabilitation of Transmission Substations:(Cost \$268.00 M)

Electricity Market Enhancement:(Cost \$107.92 M)

Improving of Institutional Capacity of MoECI for Reform Implementation:(Cost \$2.50 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"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

Overall Implementation Progress rating remains *Satisfactory* given the positive project progress has been kept during the recent six months, while the Progress towards PDO is kept at *Moderately Satisfactory* with expectation to upgrade to *Satisfactory* during the next mission.

The Project has kept positive progress with regards to the Ukrenergo components (Component 1 and 2) and significantly improved the progress on the Ministry of Energy component (Component 3).

In Component 1 and 2, one SS rehabilitation - Sumy SS - has been completed in October 2021. Four SSs – Novokyivska, Zhytomyrska, Cherkaska and Kremenchuk - are on track towards completions in 2022. Seven SSs – Nyvky (UE/1A Lot 2), Rivni, Kalush (UE/1C Lot 1), Ivano-Frankivsk, Bogorodchany (UE/1C Lot 2), Kovel, Boryslav (UE/1C Lot 3) - need to be accelerated for timely completion by end of 2023. Ukrenergo progressed procurement and contract implementation for other packages under the components.

Implementation of Component 3 has been significantly improved after the prolonged period of non-progress from December 2020 till April 2021 mainly due to the MoE management changes, The component's implementation agency, Ministry of Energy, has updated the Procurement



Plan and launched several consultancy services on coal transition, corporate governance improvement and renewable energy development. The Component will provide a critical support on the coal transition agenda.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
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"/> Low	<input type="checkbox"/> Low
Fiduciary	--	<input type="checkbox"/> Low	<input type="checkbox"/> Low
Environment and Social	--	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
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

Improve reliability of the power transmission system and support implementation of the WEM				
▶ Number of outages at rehabilitated SSs is reduced (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
□ Sumy (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	27.00	27.00	27.00	7.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022



<input type="checkbox"/> Cherkaska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	12.00	12.00	12.00	3.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Novokyivska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	35.00	35.00	35.00	8.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Kremenchuk (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	37.00	37.00	37.00	9.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Nyvky (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	23.00	23.00	23.00	5.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Zhytomyrska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	28.00	28.00	28.00	7.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Kalush (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	18.00	18.00	18.00	4.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Bohorodchany (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	15.00	15.00	15.00	4.00



Date	08-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Boryslav (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6.00	6.00	6.00	1.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Rivne (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	21.00	21.00	21.00	5.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Ivano-Frankivsk (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	17.00	17.00	17.00	4.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Kovel (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	14.00	14.00	14.00	3.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Pivnichnoukrainska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.00	3.00	3.00	1.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Konotop (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6.00	6.00	6.00	1.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Poltava (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	22.00	22.00	22.00	5.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Loseve (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	26.00	26.00	26.00	6.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Bilotserkivska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	25.00	25.00	25.00	6.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Poliana (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	16.00	16.00	16.00	4.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Chernihivska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	17.00	17.00	17.00	4.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Nizhynska (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	16.00	16.00	16.00	4.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Slavutych (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	15.00	15.00	15.00	3.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Share of electricity traded on bilateral basis and day ahead market in WEM of Ukraine (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	39.20	39.20	50.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
Comments:	Market will start on July 1, 2019 and then team will report on Share of electricity traded on bilateral basis and day ahead market in WEM of Ukraine			
► Decrease in power usage for own needs of Substations which were reconstructed (Megawatt hour(MWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	8,951.00	8,951.00	8,951.00	8,324.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
Comments:	so far no decrease as rehabilitation of SS has not been completed			
<input type="checkbox"/> North Region SS Kremenchuk, Sumy (Megawatt hour(MWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,299.00	3,299.00	3,299.00	3,091.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> North Region: SS Pivnichnoukrainska, Konotop, Poltava, Loseve (Megawatt hour(MWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	6,647.00	6,647.00	6,647.00	6,189.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Central Region: SS Bilotserkivska, Poliana, Chernihivska, Nizhynska, Slavutych (Megawatt hour(MWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,088.00	5,088.00	5,088.00	4,778.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Central Region: SS Novokyivska, Nyvki, Cherkaska, Zhytomyrska (Megawatt hour(MWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,863.00	3,863.00	3,863.00	3,546.00
Date	30-Jun-2015	09-Jun-2021	09-Jun-2021	30-Jun-2022
<input type="checkbox"/> Western Region: SS Kalush, Bohorodchany, Boryslav, Rivne, Ivano-Frankivsk, Kovel (Megawatt hour(MWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	5,414.00	5,414.00	5,414.00	5,132.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022

Intermediate Results Indicators by Components

Rehabilitation of Transmission Substations				
<p>► Reduced operating and maintenance costs at the rehabilitated SSs: Novokiyivska, Nyvky, Kremenchuk, Zhytomyrsk, Cherkaska, Sumy, Kalush, Bohorodchany, Boryslav, Rivne, Ivano, Frankivsk, Kovel, Pivnichnoukrainska etc (Percentage, Custom)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<p><input type="checkbox"/> Novokiyivska (Percentage, Custom Supplement)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<p><input type="checkbox"/> Nyvky (Percentage, Custom Supplement)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<p><input type="checkbox"/> Kremenchuk (Percentage, Custom Supplement)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<p><input type="checkbox"/> Zhytomyrska (Percentage, Custom Supplement)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<p><input type="checkbox"/> Cherkaska (Percentage, Custom Supplement)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<p><input type="checkbox"/> Sumy (Percentage, Custom Supplement)</p>				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Kalush (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Bohorodchany (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Boryslav (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Rivne (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Ivano-Frankivsk (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Kovel (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Pivnichnoukrainska (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Konotop (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Poltava (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Loseve (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Bilotserkivska (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Poliana (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Chernihivska (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Nizhynska (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
<input type="checkbox"/> Slavutych (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
► Electricity losses per year in the Project area (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.90	1.60	1.60	1.40
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
► Implementation progress of SS Rehabilitation in: Novokyyivska, Nivki, Kremenchuk, Zhytomyrska, Cherkaska, Sumy, Kalush, Bohorodchany, Boryslav, Rivne, Ivano-Frankivsk, Kovel, Pivnichnoukrainska, Konotop, Poltava etc (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	UE has progressed with the contract implementation of the	Rehabilitation of Sumy SS - has been completed. Four SSS –	Works continue on High Voltage Units 330



		rehabilitation of six substations (SSs) under the UE/1A and UE/1B contracts. SS Kremenchuk and Novokyivska are most advanced going to be completed in early 2021. In the meanwhile, UE notified the Bank that the construction permits have not been approved for SS Nyvky and Cherkaska and the construction works cannot start. Currently the equipment delivery is underway for both above-mentioned substations	Novokyivska, Zhytomyrska, Cherkaska and Kremenchuk - are on track towards completions in 2022. Seven SSs – Nyvky (UE/1A Lot 2), Rivni, Kalush (UE/1C Lot 1), Ivano-Frankivsk, Bogorodchany (UE/1C Lot 2), Kovel, Boryslav (UE/1C Lot 3) - need to be accelerated for timely completion by end of 2023.	kV/ Contracts Completed
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
Comments:	Construction have started in the original six substations except Nyvky and Cherkaska substations (UE/1A Lot 2 and UE/1B Lot 2). Contracts became effective for the additional six substations in October/November 2020 and contractors are developing detailed designs.			
► Voltage at bus bars 35kV at the rehabilitated SSs are within operating limits +-5% (Volts, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> Kamianets-Podilska (Volts, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	42.00	42.00	42.00	36.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> Shepetivka (Volts, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	41.00	41.00	41.00	36.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> Kovel (Volts, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	40.00	40.00	40.00	36.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022



<input type="checkbox"/> Novovolynsk (Volts, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	40.00	40.00	40.00	35.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> Lutsk Pivdenna (Volts, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	40.00	40.00	40.00	35.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
► Energy Not Served reduced (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> North Region (Gigawatt-hour (GWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	7.00	7.00	7.00	50.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> Central Region (Gigawatt-hour (GWh), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	35.00	35.00	35.00	50.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
<input type="checkbox"/> West Region (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	25.00	25.00	25.00	50.00
► Tons of GHG emissions reduced or avoided based on Electricity Savings (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,804,407.00
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
Comments:	no changes as rehabilitation of SS has not been completed			



► Annual energy savings (MWh/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	220,000.00	220,000.00	430,000.00
Date	29-Dec-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
► Increased installed RE caapacity in Ukraine ES (Megawatt, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	6,256.60	6,256.60	1,100.00
Date	30-Dec-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
Comments:	The installed capacity of renewable energy has reached to 6,257 MW by November 2020.			

Electricity Market Enhancement				
► Implementation progress of Smart Grid (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Feasibility study completed	Implementation of two contracts (UE/4A Lot 1 Supervisory Control and Data Acquisition (SCADA) and UE/4A Lot 2 Wide Area Monitoring System (WAMS)) are on track towards completion by end of 2022 and end of 2021 respectively. UE/4B Lot 3 Information Infrastructure Platform was contracted in December 2020 with expected completion in January 2022. For UE/4B Lot 4 Dispatch Centers Refurbishment and Equipping, its design work was contracted in May 2021.	Implementation of two contracts (UE/4A Lot 1 Supervisory Control and Data Acquisition (SCADA) and UE/4A Lot 2 Wide Area Monitoring System (WAMS)) are on track towards completion by end of 2022 and end of 2021 respectively. UE/4B Lot 3 Information Infrastructure Platform was contracted in December 2020 with expected completion in January 2022. For UE/4B Lot 4 Dispatch Centers Refurbishment and Equipping, its design work was contracted in May 2021.	Detailed Design ready
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
► Implementation of Balancing Market (Text, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Feasibility study completed	The Balancing Market software procured under the UE/5 Lot 1 package has been successfully installed on time by July 1, 2019, when the new wholesale electricity market (WEM) went online. Contracts for UE/5 Lot 3 (Telecommunication Infrastructure) and UE/5 Lot 4 (Data Processing Centers) are progressing well and expected to be completed by October 2021 and February 2022. For UE/5 Lot 2 (Commercial Metering Administrator System), UE's management has decided to finance this contract from their own financing.	The Balancing Market software procured under the UE/5 Lot 1 package has been successfully installed on time by July 1, 2019, when the new wholesale electricity market (WEM) went online. Contracts for UE/5 Lot 3 (Telecommunication Infrastructure) and UE/5 Lot 4 (Data Processing Centers) are progressing well and expected to be completed by October 2021 and February 2022. For UE/5 Lot 2 (Commercial Metering Administrator System), UE's management has decided to finance this contract from their own financing.	Modifications to BM (software)/ Balancing Market Operational / Balancing Market Operational
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
► Implementation progress of MIS (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Feasibility study completed	The contract is awarded to Joint Venture between Ernst & Young LLC and CS INTEGRA LLC on March 12, 2019 at the contract price of US\$2.89 million. UE has completed the contract signature on June 12, 2019. In September - December 2020, the configuration of the system is being completed according to the developed design. The functional testing has been carried out and end-user training is underway remarks. The contract completion was April 10, 2021.	The contract is awarded to Joint Venture between Ernst & Young LLC and CS INTEGRA LLC on March 12, 2019 at the contract price of US\$2.89 million. UE has completed the contract signature on June 12, 2019. In September - December 2020, the configuration of the system is being completed according to the developed design. The functional testing has been carried out and end-user training is underway remarks. The contract completion was April 10, 2021.	MIS Operational
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022



Performance-Based Conditions

Data on Financial Performance

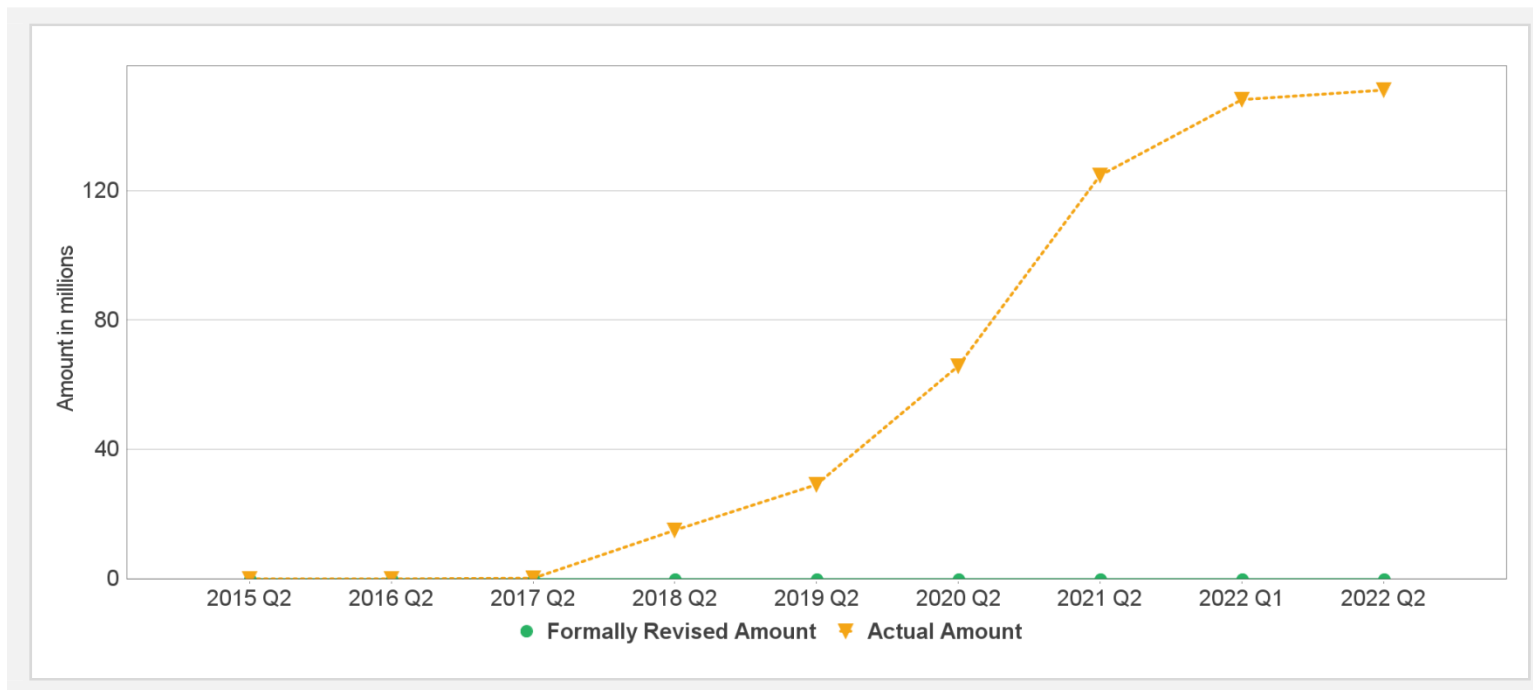
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P146788	IBRD-84620	Effective	USD	330.00	270.00	60.00	143.00	127.00	53%
P146788	TF-17661	Effective	USD	48.43	48.43	0.00	9.26	39.17	19%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P146788	IBRD-84620	Effective	22-Dec-2014	10-Feb-2015	09-Jun-2015	30-Jun-2020	29-Jun-2022
P146788	TF-17661	Effective	22-Dec-2014	10-Feb-2015	09-Jun-2015	30-Jun-2020	29-Jun-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 06-May-2019

Related Project(s)

There are no related projects.
