

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

Name

Public Disclosure Authorized

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	□Moderately Satisfactory	□Moderately Satisfactory
Overall Implementation Progress (IP)	□Satisfactory	□Satisfactory
Overall Risk Rating	□Moderate	□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

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Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

mprove reliability of	the power transmission system and	d support implementation of the	e WEM	
►Number of outage	s at rehabilitated SSs is reduced (N	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

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□Cherkaska (Num	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	12.00	12.00	12.00	3.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
7410	01-May-2014	00 0011 202 1	03 0011 202 1	30 0dil 2022
□Novokyivska (Nu	mber, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
'alue	35.00	35.00	35.00	8.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
∃Kremenchuk (Nu	mber, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	37.00	37.00	37.00	9.00
Date	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
□Nyvky (Number,	Custom Breakdown)			
□Nyvky (Number,	Custom Breakdown) Baseline	Actual (Previous)	Actual (Current)	End Target
		Actual (Previous) 23.00	Actual (Current) 23.00	End Target 5.00
□Nyvky (Number, /alue Date	Baseline			
/alue Date	Baseline 23.00	23.00	23.00	5.00
/alue Date	23.00 31-May-2014	23.00	23.00	5.00
/alue ⊃ate ⊐Zhytomyrska (Nu	Baseline 23.00 31-May-2014 Imber, Custom Breakdown)	23.00 09-Jun-2021	23.00 09-Jun-2021	5.00 30-Jun-2022
/alue Date □Zhytomyrska (Nu /alue	Baseline 23.00 31-May-2014 mber, Custom Breakdown) Baseline	23.00 09-Jun-2021 Actual (Previous)	23.00 09-Jun-2021 Actual (Current)	5.00 30-Jun-2022 End Target
/alue Date □Zhytomyrska (Nu /alue Date	Baseline 23.00 31-May-2014 Imber, Custom Breakdown) Baseline 28.00 31-May-2014	23.00 09-Jun-2021 Actual (Previous) 28.00	23.00 09-Jun-2021 Actual (Current) 28.00	5.00 30-Jun-2022 End Target 7.00
/alue Date □Zhytomyrska (Nu /alue Date	Baseline 23.00 31-May-2014 Imber, Custom Breakdown) Baseline 28.00 31-May-2014 Custom Breakdown)	23.00 09-Jun-2021 Actual (Previous) 28.00 09-Jun-2021	23.00 09-Jun-2021 Actual (Current) 28.00 09-Jun-2021	5.00 30-Jun-2022 End Target 7.00 30-Jun-2022
/alue Date □Zhytomyrska (Nu /alue Date □Kalush (Number,	Baseline 23.00 31-May-2014 Imber, Custom Breakdown) Baseline 28.00 31-May-2014	23.00 09-Jun-2021 Actual (Previous) 28.00	23.00 09-Jun-2021 Actual (Current) 28.00	5.00 30-Jun-2022 End Target 7.00
/alue Date Zhytomyrska (Nu /alue Date Kalush (Number,	Baseline 23.00 31-May-2014 Imber, Custom Breakdown) Baseline 28.00 31-May-2014 Custom Breakdown) Baseline	23.00 09-Jun-2021 Actual (Previous) 28.00 09-Jun-2021 Actual (Previous)	23.00 09-Jun-2021 Actual (Current) 28.00 09-Jun-2021 Actual (Current)	5.00 30-Jun-2022 End Target 7.00 30-Jun-2022 End Target
/alue Date Zhytomyrska (Nu /alue Date Kalush (Number,	Baseline 23.00 31-May-2014 Imber, Custom Breakdown) Baseline 28.00 31-May-2014 Custom Breakdown) Baseline 18.00	23.00 09-Jun-2021 Actual (Previous) 28.00 09-Jun-2021 Actual (Previous) 18.00	23.00 09-Jun-2021 Actual (Current) 28.00 09-Jun-2021 Actual (Current) 18.00	5.00 30-Jun-2022 End Target 7.00 30-Jun-2022 End Target 4.00
/alue Date Zhytomyrska (Nu /alue Date Kalush (Number, /alue	Baseline 23.00 31-May-2014 Imber, Custom Breakdown) Baseline 28.00 31-May-2014 Custom Breakdown) Baseline 18.00	23.00 09-Jun-2021 Actual (Previous) 28.00 09-Jun-2021 Actual (Previous) 18.00	23.00 09-Jun-2021 Actual (Current) 28.00 09-Jun-2021 Actual (Current) 18.00	5.00 30-Jun-2022 End Target 7.00 30-Jun-2022 End Target 4.00

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	08-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
□Boryslav (Numb	er, 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
□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
□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
□Kovel (Number,	Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Baseline 14.00	Actual (Previous) 14.00	Actual (Current) 14.00	End Target 3.00
Date	14.00	14.00 09-Jun-2021	14.00	3.00
Date	14.00 04-Apr-2019	14.00 09-Jun-2021	14.00	3.00
Date □Pivnichnoukrains	14.00 04-Apr-2019 ska (Number, Custom Breakdown	14.00 09-Jun-2021	14.00 09-Jun-2021	3.00 30-Jun-2022
Date □Pivnichnoukrain: Value	14.00 04-Apr-2019 ska (Number, Custom Breakdown Baseline	14.00 09-Jun-2021) Actual (Previous)	14.00 09-Jun-2021 Actual (Current)	3.00 30-Jun-2022 End Target
Date □Pivnichnoukrain: Value Date	14.00 04-Apr-2019 ska (Number, Custom Breakdown Baseline 3.00	14.00 09-Jun-2021) Actual (Previous) 3.00	14.00 09-Jun-2021 Actual (Current) 3.00	3.00 30-Jun-2022 End Target 1.00
Date □Pivnichnoukrain: Value Date	14.00 04-Apr-2019 ska (Number, Custom Breakdown Baseline 3.00 04-Apr-2019	14.00 09-Jun-2021) Actual (Previous) 3.00	14.00 09-Jun-2021 Actual (Current) 3.00	3.00 30-Jun-2022 End Target 1.00
Date □Pivnichnoukrains Value Date □Konotop (Number	14.00 04-Apr-2019 ska (Number, Custom Breakdown Baseline 3.00 04-Apr-2019 er, Custom Breakdown)	14.00 09-Jun-2021) Actual (Previous) 3.00 09-Jun-2021	14.00 09-Jun-2021 Actual (Current) 3.00 09-Jun-2021	3.00 30-Jun-2022 End Target 1.00 30-Jun-2022
Date Pivnichnoukrains Value Date Konotop (Number)	14.00 04-Apr-2019 ska (Number, Custom Breakdown Baseline 3.00 04-Apr-2019 er, Custom Breakdown) Baseline	14.00 09-Jun-2021) Actual (Previous) 3.00 09-Jun-2021 Actual (Previous)	14.00 09-Jun-2021 Actual (Current) 3.00 09-Jun-2021 Actual (Current)	3.00 30-Jun-2022 End Target 1.00 30-Jun-2022 End Target
Value Date Konotop (Number) Value Date	14.00 04-Apr-2019 ska (Number, Custom Breakdown Baseline 3.00 04-Apr-2019 er, Custom Breakdown) Baseline 6.00	14.00 09-Jun-2021) Actual (Previous) 3.00 09-Jun-2021 Actual (Previous) 6.00	14.00 09-Jun-2021 Actual (Current) 3.00 09-Jun-2021 Actual (Current) 6.00	3.00 30-Jun-2022 End Target 1.00 30-Jun-2022 End Target 1.00

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	22.00			5.00
ate	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
□Loseve (Number	, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	26.00	26.00	26.00	6.00
ate	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
∃Bilotserkivska (N	lumber, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
'alue	25.00	25.00	25.00	6.00
ate	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
□Poliana (Numbei	r, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
'alue	16.00	16.00	16.00	4.00
ate	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
□Chernihivska (Nu	umber, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
'alue	17.00	17.00	17.00	4.00
ate	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
∃Nizhynska (Num	ber, Custom Breakdown)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	16.00	16.00	16.00	4.00
Pate	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
Slavutych (Numh	per, Custom Breakdown)			
Joiavatyon (Maink	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	15.00	15.00	15.00	End Target 3.00
Date	04-Apr-2019	09-Jun-2021	09-Jun-2021	30-Jun-2022
	0-7 Apr 2010	55 50H 2021	00 0011 <u>202</u> 1	55 Juli 2022

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alue	0.00	Actual (Previous)	Actual (Current)	End Target
alue	0.00	39.20	39.20	50.00
ate	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
omments:		July 1, 2019 and then team will ket in WEM of Ukraine	report on Share of electrici	ty traded on bilateral basi
Decrease in powe	r usage for own needs of Substatio	ons which were reconstructed (Megawatt hour(MWh), Cust	tom)
	Baseline	Actual (Previous)	Actual (Current)	End Target
alue	8,951.00	8,951.00	8,951.00	8,324.00
ate	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
omments:	so far no decrease a	as rehabilitation of SS has not l	peen completed	
□North Region SS	Kremenchuk, Sumy (Megawatt ho	our(MWh), Custom Breakdown)		
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	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
□North Region: S	S Pivnichnoukrainska, Konotop, Po Baseline	oltava, Loseve (Megawatt hour Actual (Previous)	(MWh), Custom Breakdowr Actual (Current)	n) End Target
/alue	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
□Central Region:	SS Bilotserkivska, Poliana, Chernih	nivska, Nizhynska, Slavutych (N	//legawatt hour(MWh), Custo	om Breakdown)
	Baseline	Actual (Previous)	Actual (Current)	End Target
	5,088.00	5,088.00	5,088.00	4,778.00
/alue				
	31-May-2014	09-Jun-2021	09-Jun-2021	30-Jun-2022
Date				
Date	31-May-2014			
Date □Central Region:	31-May-2014 SS Novokyivska, Nyvki, Cherkaska	, Zhytomyrska (Megawatt hour	(MWh), Custom Breakdowr	n)
Date □Central Region: : Value	31-May-2014 SS Novokyivska, Nyvki, Cherkaska Baseline	ı, Zhytomyrska (Megawatt hour Actual (Previous)	(MWh), Custom Breakdowr Actual (Current)	n) End Target
Value Date	31-May-2014 SS Novokyivska, Nyvki, Cherkaska Baseline 3,863.00 30-Jun-2015	Actual (Previous) 3,863.00 09-Jun-2021	(MWh), Custom Breakdown Actual (Current) 3,863.00 09-Jun-2021	End Target 3,546.00 30-Jun-2022
Date □Central Region: Value Date	31-May-2014 SS Novokyivska, Nyvki, Cherkaska Baseline 3,863.00	Actual (Previous) 3,863.00 09-Jun-2021	(MWh), Custom Breakdown Actual (Current) 3,863.00 09-Jun-2021	End Target 3,546.00 30-Jun-2022

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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

Novokyivska, Nyvky,	g and maintenance costs at the re Kremenchuk,Zhytomyrsk,Cherkasl	nabilitated SSs: ka,Sumy,Kalush,Bohorodchany	,Boryslav,Rivne,Ivano,Fran	kivsk,Kovel,Pivnichnoukra
ka etc (Percentage	, Custom)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
'alue	0.00	0.00	0.00	50.00
Pate	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
□Novokyivska (Pe	rcentage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Nyvky (Percenta	ge, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Kremenchuk (Pe	rcentage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Zhytomyrska (Pe	ercentage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Cherkaska (Perc	entage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Sumy (Percenta	ge, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target

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Value	0.00	0.00	0.00	50.00
□Kalush (Percenta	age, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Bohorodchany (F	Percentage, Custom Supplement	·)		
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Boryslav (Percen	ntage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
/alue	0.00	0.00	0.00	50.00
□Rivne (Percentaç	ge, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
	0.00 (Percentage, Custom Supplemen		0.00	50.00
			0.00 Actual (Current)	50.00 End Target
□Ivano-Frankivsk ((Percentage, Custom Suppleme	nt)		
□Ivano-Frankivsk (√alue	(Percentage, Custom Supplemer	nt) Actual (Previous)	Actual (Current)	End Target
□Ivano-Frankivsk (√alue	(Percentage, Custom Supplementage, Baseline) 0.00	nt) Actual (Previous)	Actual (Current)	End Target
□Ivano-Frankivsk (Value □Kovel (Percentag	(Percentage, Custom Supplement Baseline 0.00	Actual (Previous) 0.00	Actual (Current) 0.00	End Target 50.00
□Ivano-Frankivsk (Value □Kovel (Percentag	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline	Actual (Previous) 0.00 Actual (Previous) 0.00	Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target
□Ivano-Frankivsk (Value □Kovel (Percentag	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline 0.00	Actual (Previous) 0.00 Actual (Previous) 0.00	Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target
□Ivano-Frankivsk (√alue □Kovel (Percentag √alue □Pivnichnoukrains	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline 0.00 ka (Percentage, Custom Supple	Actual (Previous) 0.00 Actual (Previous) 0.00 ment)	Actual (Current) 0.00 Actual (Current) 0.00	End Target 50.00 End Target 50.00
□Ivano-Frankivsk (Value □Kovel (Percentag Value □Pivnichnoukrains	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline 0.00 ka (Percentage, Custom Supple Baseline	Actual (Previous) 0.00 Actual (Previous) 0.00 ment) Actual (Previous)	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target 50.00 End Target
□Ivano-Frankivsk (√alue □Kovel (Percentag √alue □Pivnichnoukrains	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline 0.00 ka (Percentage, Custom Supple Baseline 0.00	Actual (Previous) 0.00 Actual (Previous) 0.00 ment) Actual (Previous)	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target 50.00 End Target
Value □Kovel (Percentag Value □Pivnichnoukrains	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline 0.00 ka (Percentage, Custom Supple Baseline 0.00 tage, Custom Supplement)	Actual (Previous) 0.00 Actual (Previous) 0.00 ment) Actual (Previous) 0.00	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current) 0.00	End Target 50.00 End Target 50.00 End Target 50.00
□Ivano-Frankivsk (Value □Kovel (Percentage) Value □Pivnichnoukrains Value □Konotop (Percentage)	(Percentage, Custom Supplement Baseline 0.00 ge, Custom Supplement) Baseline 0.00 ka (Percentage, Custom Supple Baseline 0.00 tage, Custom Supplement) Baseline Baseline	Actual (Previous) 0.00 Actual (Previous) 0.00 ment) Actual (Previous) 0.00 Actual (Previous)	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target 50.00 End Target 50.00

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Value	0.00	0.00	0.00	50.00
□Loseve (Percent	age, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Bilotserkivska (P	Percentage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Poliana (Percent	tage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
□Chernihivska (Pe	ercentage, Custom Supplement)			
	Baseline	Actual (Previous)	Actual (Current)	End Target
	0.00	0.00	0.00	50.00
Value	0.00	0.00	0.00	33.33
	entage, Custom Supplement)	0.00	0.00	
		Actual (Previous)	Actual (Current)	End Target
□Nizhynska (Perc	entage, Custom Supplement)			
□Nizhynska (Perc Value	entage, Custom Supplement) Baseline	Actual (Previous)	Actual (Current)	End Target
□Nizhynska (Perc Value	entage, Custom Supplement) Baseline 0.00	Actual (Previous)	Actual (Current)	End Target
□Nizhynska (Perc	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement)	Actual (Previous) 0.00	Actual (Current) 0.00	End Target 50.00
□Nizhynska (Perc	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement) Baseline 0.00	Actual (Previous) 0.00 Actual (Previous) 0.00	Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target
□Nizhynska (Perc	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement) Baseline 0.00 per year in the Project area (Perce	Actual (Previous) 0.00 Actual (Previous) 0.00 entage, Custom)	Actual (Current) 0.00 Actual (Current) 0.00	End Target 50.00 End Target 50.00
□Nizhynska (Perce Value □Slavutych (Perce Value	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement) Baseline 0.00	Actual (Previous) 0.00 Actual (Previous) 0.00	Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target
□Nizhynska (Perce Value □Slavutych (Perce Value •Electricity losses p	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement) Baseline 0.00 per year in the Project area (Perce	Actual (Previous) 0.00 Actual (Previous) 0.00 entage, Custom) Actual (Previous)	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current)	End Target 50.00 End Target 50.00 End Target
□Nizhynska (Percellonia) Value □Slavutych (Percellonia) Value Electricity losses palue ate Implementation proposity (Novokyyivska, Nivi	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement) Baseline 0.00 per year in the Project area (Perce Baseline 1.90 31-May-2014	Actual (Previous) 0.00 Actual (Previous) 0.00 Actual (Previous) 1.60 09-Jun-2021 kaska,Sumy,Kalush,Bohorodchany	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current) 1.60 10-Dec-2021	End Target 50.00 End Target 50.00 End Target 1.40
Value □Slavutych (Perce Value Electricity losses palue ate Implementation pr :Novokyyivska,Nivl	entage, Custom Supplement) Baseline 0.00 entage, Custom Supplement) Baseline 0.00 per year in the Project area (Perce Baseline 1.90 31-May-2014 rogress of SS Rehabiliation ki,Kremenchuk,Zhytomyrska,Cheri	Actual (Previous) 0.00 Actual (Previous) 0.00 Actual (Previous) 1.60 09-Jun-2021 kaska,Sumy,Kalush,Bohorodchany	Actual (Current) 0.00 Actual (Current) 0.00 Actual (Current) 1.60 10-Dec-2021	End Target 50.00 End Target 50.00 End Target 1.40

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		rehabilitation of six substations (SSs) under the UE/1A and UE/1B contracts. SS Kremenchuk and Novokyisvska 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	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
ate	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022
comments:	Lot 2 and UE/1B L October/November	started in the original six substation of 2). Contracts became effective of 2020 and contractors are developed as the contractors ar	for the additional six substati	
voltage at bas bare				Fred Tarret
		Actual (Previous)	Actual (Current)	End Target
(-1	Baseline			
/alue	0.00	0.00	0.00	0.00
'alue Date				
Pate	0.00	0.00	0.00	0.00
Pate	0.00 31-May-2014	0.00	0.00	0.00
□Kamianets-Podils	0.00 31-May-2014 ska (Volts, Custom Breakdown)	0.00 09-Jun-2021	0.00 10-Dec-2021	0.00 29-Jun-2022
Pate	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline	0.00 09-Jun-2021 Actual (Previous)	0.00 10-Dec-2021 Actual (Current)	0.00 29-Jun-2022 End Target
□Kamianets-Podils Value Date	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014	0.00 09-Jun-2021 Actual (Previous) 42.00	0.00 10-Dec-2021 Actual (Current) 42.00	0.00 29-Jun-2022 End Target 36.00
□Kamianets-Podils Value Date	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 st, Custom Breakdown)	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022
□Kamianets-Podils Value Date □Shepetivka (Volts	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 s, Custom Breakdown) Baseline	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021 Actual (Previous)	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021 Actual (Current)	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022 End Target
□Kamianets-Podils Value Date	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 st, Custom Breakdown)	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022
Oate Kamianets-Podils Value Date Shepetivka (Volts	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 s, Custom Breakdown) Baseline	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021 Actual (Previous)	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021 Actual (Current)	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022 End Target
□Kamianets-Podils Value Date □Shepetivka (Volts	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 s, Custom Breakdown) Baseline 41.00 31-May-2014	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021 Actual (Previous) 41.00	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021 Actual (Current) 41.00	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022 End Target 36.00
□Kamianets-Podils Value Date □Shepetivka (Volts Value Date	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 s, Custom Breakdown) Baseline 41.00 31-May-2014	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021 Actual (Previous) 41.00	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021 Actual (Current) 41.00	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022 End Target 36.00
Date Kamianets-Podils Value Date Shepetivka (Volts Value Date	0.00 31-May-2014 ska (Volts, Custom Breakdown) Baseline 42.00 31-May-2014 sty, Custom Breakdown) Baseline 41.00 31-May-2014 stom Breakdown)	0.00 09-Jun-2021 Actual (Previous) 42.00 09-Jun-2021 Actual (Previous) 41.00 09-Jun-2021	0.00 10-Dec-2021 Actual (Current) 42.00 10-Dec-2021 Actual (Current) 41.00 10-Dec-2021	0.00 29-Jun-2022 End Target 36.00 29-Jun-2022 End Target 36.00 29-Jun-2022

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		abilitation of SS has not been co			
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022	
Value	0.00	0.00	0.00	2,804,407.00	
►Tons of GHG emis	sions reduced or avoided based of Baseline	on Electricity Savings (Tones/ye	ear, Custom) Actual (Current)	End Target	
Value	25.00	25.00	25.00	50.00	
□West Region (Pe	rcentage, Custom Supplement) Baseline	Actual (Previous)	Actual (Current)	End Target	
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-JUH-2022	
				29-Jun-2022	
Value	35.00	35.00	35.00	50.00	
□Central Region (C	Gigawatt-hour (GWh), Custom Bro	eakdown) Actual (Previous)	Actual (Current)	End Target	
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022	
Value	7.00	7.00	7.00	50.00	
	Baseline	Actual (Previous)	Actual (Current)	End Target	
□North Region (Gi	gawatt-hour (GWh), Custom Brea	ıkdown)			
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022	
/alue	0.00	0.00	0.00	0.00	
	Baseline	Actual (Previous)	Actual (Current)	End Target	
►Energy Not Served	reduced (Gigawatt-hour (GWh),	Custom)			
Date	31-May-2014	09-Jun-2021	10-Dec-2021	29-Jun-2022	
Value	40.00	40.00	40.00	35.00	
- Lutok i Wacima (Baseline	Actual (Previous)	Actual (Current)	End Target	
□Lutsk Pivdenna (\	Volts, Custom Breakdown)				
Date	31-May-2014	09-Jun-2021	9-Jun-2021 10-Dec-2021 2		
Value	40.00 40.00		40.00	35.00	
	Baseline	Actual (Previous)	Actual (Current)	End Target	

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►Annual energy savir	ngs (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 capacit	y of renewable energy has rea	ched to 6,257 MW by Nove	ember 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

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	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 progr	ress of MIS (Text, Custom)	Actual (Previous)	Actual (Current)	End Target	
► Implementation progr	Baseline Feasibility study completed	Actual (Previous) 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.	Actual (Current) 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 enduser training is underway remarks. The contract completion was April 10, 2021.	End Target MIS Operational	

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Performance-Based Conditions

Data on Financial Performance

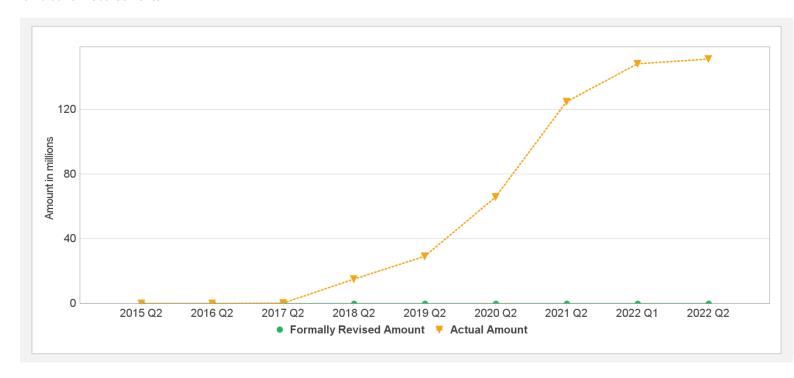
Disbursements (by loan)

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 Ioan)

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



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PBC Disbursement

PBC ID PBC Type Description Coc PBC Amount Status Disbursed amount in Coc PBC Amount Status Disbursed amount in Coc PBC

Restructuring History

Level 2 Approved on 06-May-2019

Related Project(s)

There are no related projects.

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