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Belarus Biomass District Heating Project (P146194)

EUROPE AND CENTRAL ASIA | Belarus | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 7 | ARCHIVED on 10-Jan-2018 | ISR31102 |

Implementing Agencies: Belinvestenergosberezhenie (PMU), Energy Efficiency Department, State Standardization Committee

Key Dates

Key Project Dates

Bank Approval Date:31-Mar-2014
Effectiveness Date:31-Jul-2014
Planned Mid Term Review Date:15-Sep-2017
Actual Mid-Term Review Date:09-Oct-2017
Original Closing Date:31-Dec-2019
Revised Closing Date:31-Dec-2019

Project Development Objectives

Project Development Objective (from Project Appraisal Document)
The Project Development Objective is to scale up the efficient use of renewable biomass in heat and electricity generation in selected towns of Belarus.

Has the Project Development Objective been changed since Board Approval of the Project Objective?
No

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Components

Name
District Heating Energy Efficiency:(Cost $23.35 M)
Biomass Heat Generation:(Cost $64.98 M)
Technical Assistance:(Cost $1.45 M)

Overall Ratings

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

Implementation Status and Key Decisions

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While the project had a slower than expected start, the implementation has accelerated in the past year or so. Nine out the thirteen sites under the project have been completed and are operational. The remaining four are expected to be completed by September 2018. Due to the competitive bidding process and the significant devaluation of the Belarusian Ruble since project appraisal, the project has US$26.3 million of loan savings. The Bank has given no-objection to the utilization of these loan savings for investments in seven additional biomass district heating sites. The government's internal approval procedures for these new sites are ongoing.

The disbursement reached US$51.31 million, or 57 percent of loan amount as of December 31, 2017.

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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	--	Low	Moderate
Stakeholders	--	Moderate	Moderate
Other	--	--	--
Overall	--	Moderate	Moderate

Results

Project Development Objective Indicators

▸ Projected lifetime energy savings (Megawatt hour(MWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30,000.00	339,834.00	1,180,000.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Heat and electricity generated from renewable biomass associated with investments financed under the project (Megawatt hour(MWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target

Value	0.00	140,000.00	1,699,632.00	8,300,000.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Projected lifetime reduction in CO2 emissions due to investments financed under the project (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25,000.00	1,154,620.00	2,100,000.00
Date	16-May-2014	27-Jun-2017	27-Jun-2017	31-Dec-2019

Overall Comments

Intermediate Results Indicators

▸ Generation Capacity of Renewable Energy (other than hydropower) constructed (Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	35.00	51.60	106.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

◢ Generation Capacity of Renewable Energy constructed - Other (Megawatt, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	35.00	51.60	106.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Direct project beneficiaries (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15,000.00	22,354.00	78,760.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

◂ Female beneficiaries (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	47.00	50.00

▸ Number of forestry enterprises adopting energy-content-based wood biomass pricing (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Strengthened social protection measures adopted (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	Y	Y	Y
Date	16-May-2013	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Average cost-recovery rate for residential district heating (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	15.00	15.00	17.00	80.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Consumer access to information (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	3.00	3.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Site specific designs completed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	13.00	13.00	13.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ S&I contracts competitively awarded (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	13.00	13.00	13.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▸ Construction progress (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	45.00	56.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

◢ Construction progress Kadino (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

◢ Construction progress Zarechie (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

▷ Contruction progress Zyabrovka (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

Construction progress Bereza (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	15-Aug-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

Contruction progress Kalinkovichi (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	40.00	80.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

Construction progress Baranovichi (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	35.00	55.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

Contruction Progress Volkovysk (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10.00	70.00	100.00
Date	16-May-2014	27-Jun-2017	20-Oct-2017	31-Dec-2019

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▷ Construction progress Ivanovo (Percentage, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	16-May-2014	27-Jun-2017	20-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
P146194	IBRD-83510	Effective	USD	90.00	90.00	0.00	51.31	38.70	57%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P146194	IBRD-83510	Effective	31-Mar-2014	08-Apr-2014	31-Jul-2014	31-Dec-2019	31-Dec-2019

Cumulative Disbursements

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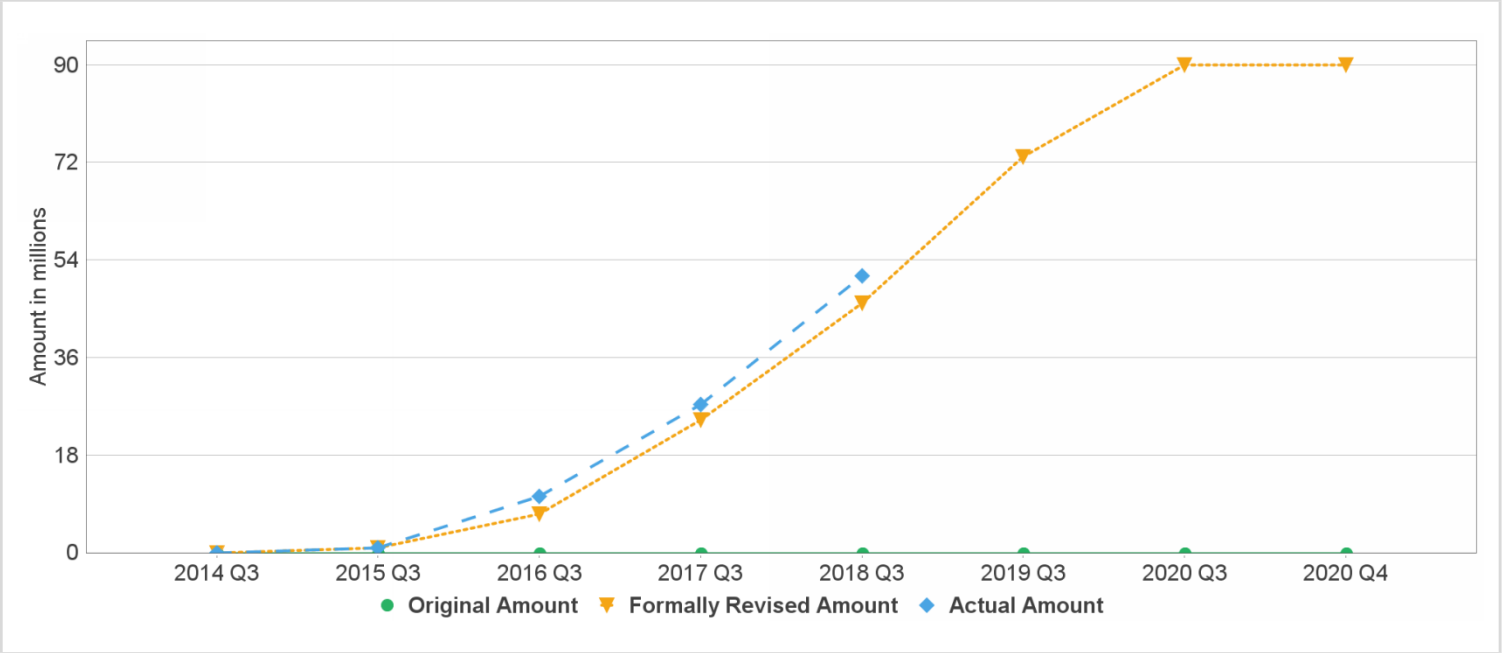

Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.

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