



Ulaanbaatar Heating Sector Improvement Project (P170676)

EAST ASIA AND PACIFIC | Mongolia | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2020 | Seq No: 8 | ARCHIVED on 06-Feb-2024 | ISR59767 |

Implementing Agencies: Ministry of Energy, Mongolia

Key Dates

Key Project Dates

Bank Approval Date: 24-Apr-2020

Effectiveness Date: 24-Dec-2020

Planned Mid Term Review Date: 23-Oct-2023

Actual Mid-Term Review Date: 02-Nov-2023

Original Closing Date: 31-Dec-2025

Revised Closing Date: 31-Dec-2025

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to expand capacity and improve efficiency of the district heating network in selected project areas.

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

No

Components Table

Name

Component 1: Rehabilitation and expansion of district heating network:(Cost \$40.00 M)

Component 2: Capacity strengthening and project implementation support:(Cost \$1.00 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> 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

The project is progressing well overall, with no major bottlenecks. The progress towards achieving PDO and overall project implementation remain Satisfactory. The mid-term review in November 2023 found that the government is committed to the project, and the project development objective (PDO) is still relevant, and implementation and management arrangements remain adequate. The disbursement under IDA65890 reached 55% (USD 22.00 million out of USD 41 million), and 6.8% of the remaining funds was committed/contracted as of December 31, 2023.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Expand capacity of the district heating network in selected project areas				
▶ Transmission capacity added (Megawatt, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	173.27	537.00	100.00
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	23-Apr-2025
Comments:	This indicator is based on the total transmission capacity added as a result of the Project investment			

Improve efficiency of heat supply in selected project areas.				
▶ Projected lifetime energy savings (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.34	2.07	3.02
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	This indicator is estimated as the cumulative energy savings over a decade when the transmission pipeline constructed under the Project is running at full capacity			



► Projected lifetime CO2 emissions reduction (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	51,699.40	994,861.00
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	this indicator is estimated based on the predetermined emissions factor per MWh energy savings multiplied by the projected lifetime energy savings			

Intermediate Results Indicators by Components

Component 1: Rehabilitation and expansion of DH network				
► Length of district heating pipeline replaced in the existing area (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.17	8.80	4.20
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	The length of district heating pipelines replaced in the current service area			
► Length of district heating pipeline to the new area (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.80
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	The length of district heating pipeline extended to the new area			
► District heating pump/heat-exchange stations modernized (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	2.00	1.00
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	The number of district heating pump/heat-exchange stations modernized.			
► Percentage of people satisfied with the improvement in heating services (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	52.00	52.00	70.00



Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	Percentage of beneficiaries' satisfaction with the improvement in heating services as a result of activities in Component 1. This indicator is used to monitor beneficiaries feedback. This citizen engagement (CE) indicator is set to ensure that citizens directly inform project implementation. The engagement will be measured by the degree of satisfaction, and the data for this indicator will be collected through a survey after the completion of heating pipeline replacement, installation and modernization.			

Component 2: Capacity strengthening and project implementation support				
► People trained on heating sector planning and sector planning, policy, regulation and institutional arrangement (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	506.00	383.00	200.00
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	25-Apr-2025
Comments:	The number of people trained on planning and sector planning, policy, regulation and institutional arrangement of a sustainable heating sector			
► Internship program for female students established with the Heat Engineering Department of Energy School of the Mongolian University of Science and Technology (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	Yes	Yes	Yes
Date	31-Dec-2019	31-Jul-2023	26-Jan-2024	31-Dec-2025
Comments:	The indicator measures the progress in addressing gender gap: Internship program for female students established with the Heat Engineering Department of Energy School of the Mongolian University of Science and Technology			
► Development of UBDHC's financial performance improvement plan (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	not started	not started	not started	final report completed
Date	22-Nov-2019	31-Jul-2023	26-Jan-2024	31-Dec-2025
Comments:	The report includes an assessment of the profitability of UBDHC and provision of recommendations to improve its financial performance and strengthen their capacity.			
► Majority of female employees report they feel the implementation of the non-discrimination and sexual harassment policy established has improved the work environment (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	no	Yes	Yes
Date	31-Dec-2019	31-Jul-2023	26-Jan-2024	31-Dec-2025
Comments:	This indicator measures progress in the gender action plan's implementation in closing the gender gap: Majority of female employees report they feel the implementation of the non-discrimination and sexual harassment policy established has improved the work environment. (Majority means more than 50%)			



Performance-Based Conditions

Data on Financial Performance

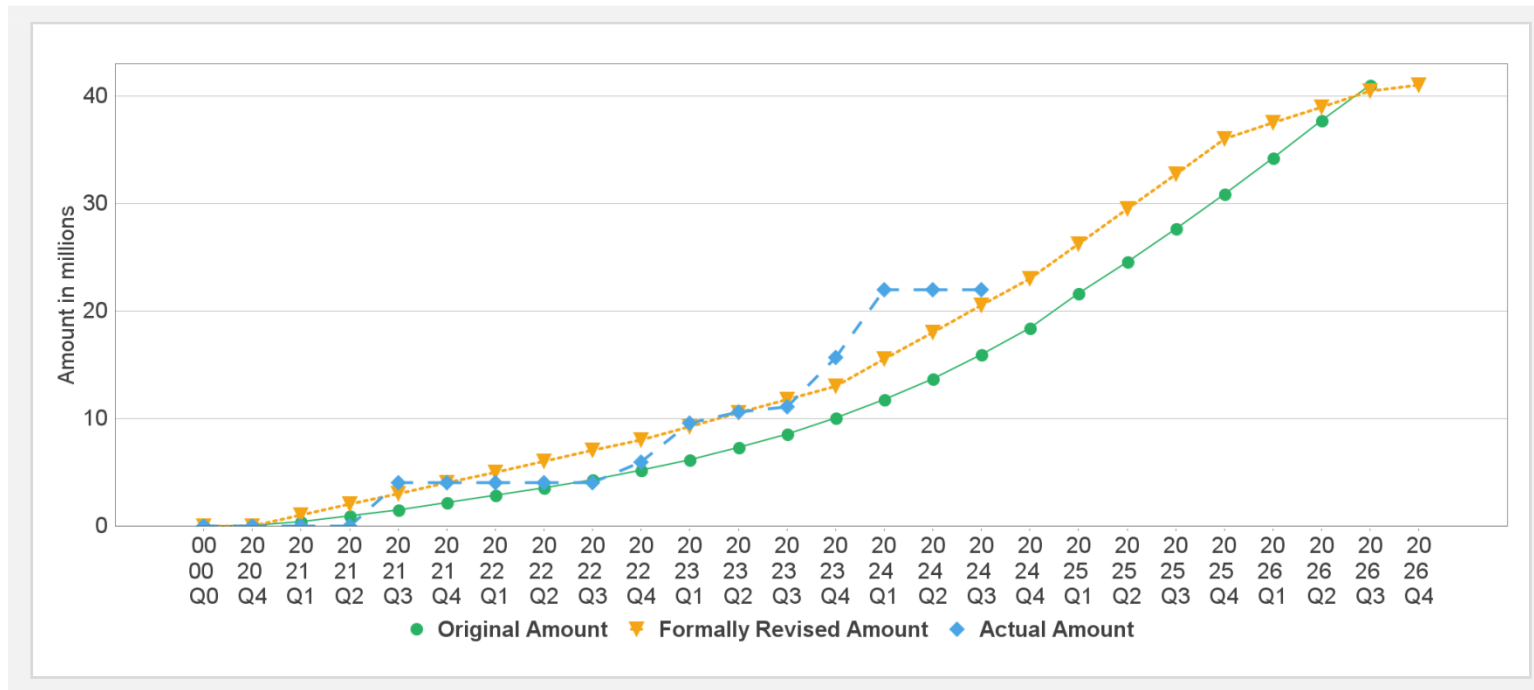
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P170676	IDA-65890	Effective	USD	41.00	41.00	0.00	22.00	17.77	55%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P170676	IDA-65890	Effective	24-Apr-2020	27-Apr-2020	24-Dec-2020	31-Dec-2025	31-Dec-2025

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)



There are no related projects.
