



## Heat Supply Improvement Project (P157079)

EUROPE AND CENTRAL ASIA | Kyrgyz Republic | IBRD/IDA | Investment Project Financing (IPF) | FY 2018 | Seq No: 14 |  
Archived on 28-Aug-2024 | ISR01388

Implementing Agencies: Community Development and Investment Agency (ARIS), Electric Power Plants OJSC

### 1. OBJECTIVE

#### 1.1 Development Objective

Original Development Objective (Approved as part of Approval package on 01-May-2018)

The Project Development Objective is to improve the efficiency and quality of heating in selected Project areas.

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

No

### 2. COMPONENTS

Name

Component 1: Improving supply efficiency and quality of the District Heating system in Bishkek:(Cost 37,900,000.00)

Component 2 Demonstrating the benefits of energy efficiency improvements in public buildings:(Cost 12,660,000.00)

### 3. OVERALL RATINGS

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

### 4. KEY ISSUES & STATUS

#### 4.1 Implementation Status and Key Decisions



## 5. SYSTEMATIC OPERATIONS RISK-RATING TOOL

Risk Category	Rating at Approval Approval Package - 02 May 2018	Last Approved Rating ISR Seq. 013 - 15 Jul 2024	Proposed Rating
Political and Governance	● High	● Moderate	● Moderate
Macroeconomic	● Moderate	● Moderate	● Moderate
Sector Strategies and Policies	● High	● Moderate	● Moderate
Technical Design of Project or Program	● Substantial	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	● High	● Substantial	● Substantial
Fiduciary	● High	● Substantial	● Substantial
Environment and Social	● Substantial	● Moderate	● Moderate
Stakeholders	● Substantial	● Moderate	● Moderate
Overall	● High	● Moderate	● Moderate



## 6. RESULTS

### 6.1 PDO Indicators by PDO Outcomes

To improve the efficiency and quality of heating in selected Project areas.								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Projected lifetime fuel savings (Mega Joules (MJ))	0.00	Jun/2017	415,252,656.00	30-Jan-2024			8,058,373,508.00	Dec/2024
	Comments on achieving targets		The completed retrofitting of the buildings under Component 2 has fuel savings achieved through EE measures. Updates of Indicators for Component 1 will be available when the reassessment of the indicators is completed in September 2024.					
Projected lifetime fuel savings of Component 1 (Mega Joules (MJ))	0.00	Jun/2017	0.00	27-Aug-2024	0.00	27-Aug-2024	7,871,875,994.00	Dec/2024
Projected lifetime fuel savings of Component 3 (Mega Joules (MJ))	0.00	Jun/2017	415,252,656.00	30-Jan-2024			662,551,200.00	Dec/2024
Percentage of Project beneficiaries reporting an improvement in quality of heating (Percentage)	0.00	Jun/2017	0.00	30-Jan-2024			70.00	Dec/2024
	Comments on achieving targets		The percentage of project beneficiaries reporting improvement in quality of heating will be reported once all planned investments are completed in Dec 2024.					
Percentage of Project beneficiaries reporting an improvement in quality of heating for Component 1 (Percentage)	0.00	Jun/2017	0.00	30-Jan-2024			70.00	Dec/2024



Percentage of Project beneficiaries reporting an improvement in quality of heating for Component 3 (Percentage)	0.00	Jun/2017	0.00	30-Jan-2024			70.00	Dec/2023
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### 6.2 Intermediate Results Indicators by Components

Component 1: Improving supply efficiency and quality of the District Heating system in Bishkek								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Number of individual substations installed/ rehabilitated (cummulated) (Number)	0.00	Jun/2017	448.00	30-Jan-2024			2,210.00	Dec/2024
Number of installed heat and hot water meters (cummulative) (Number)	0.00	Jun/2017	0.00	30-Jan-2024			4,020.00	Dec/2024
	Comments on achieving targets		Given the delays in installation, the Government requested a 10-month extension of the project closing. Thus, the installation of the heat and hot water meters will be completed by October 2025.					
Length (trench) of DH pipeline installed (Meter(m))	0.00	Jun/2017	1,144	27-Aug-2024	1,144	27-Aug-2024	1,870.00	Dec/2024
Projected lifetime energy savings (cummulative) of Component 1 (Megawatt hour(MWh))	0.00	Jun/2017	0.00	27-Aug-2024	0.00	27-Aug-2024	2,168,525.00	Dec/2024

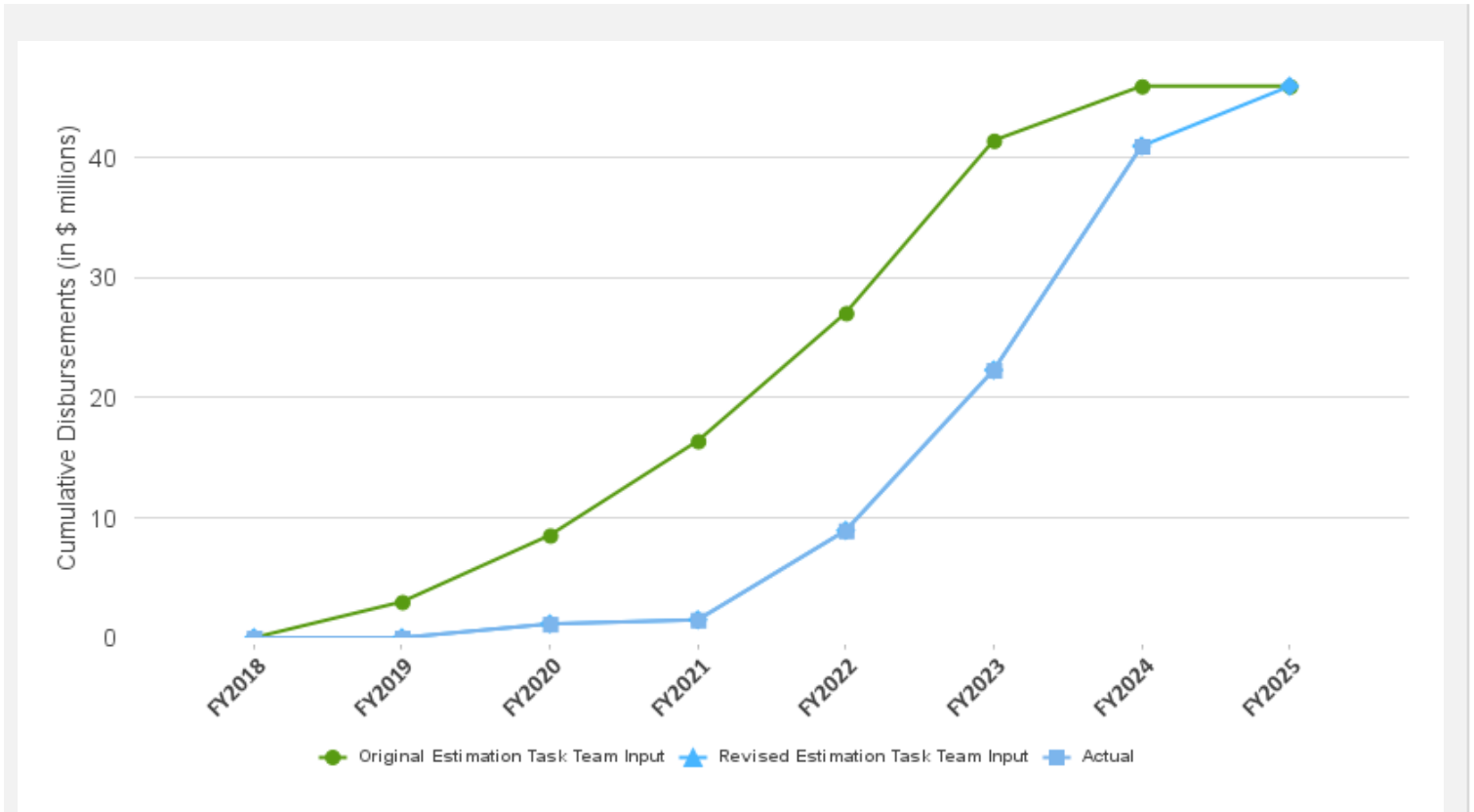


Projected lifetime CO2 savings (cumulative) of Component 1 (Tones/year)	0.00	Jun/2017	0.00	30-Jan-2024			777,081.00	Dec/2024
Direct project beneficiaries of Component 1 (Number)	0.00	Jun/2017	0.00	30-Jan-2024			150,148.00	Dec/2024
Female beneficiaries of Component 1 (Percentage)	0.00	Jun/2017	0.00	30-Jan-2024			50.00	Dec/2024
<b>Component 2 Demonstrating the benefits of energy efficiency improvements in public buildings</b>								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Number of public buildings retrofitted (Number)	0.00	Jun/2017	20	27-Aug-2024	20	27-Aug-2024	21.00	Apr/2024
Projected lifetime energy savings (cumulative) of Component 3 (Megawatt hour(MWh))	0.00	Jun/2017	166,626	27-Aug-2024	166,626	27-Aug-2024	184,042.00	Dec/2024
Projected lifetime CO2 savings (cumulative) of Component 3 (Tones/year)	0.00	Jun/2017	8,256.00	30-Jan-2024			14,723.00	Dec/2024
Direct project beneficiaries of Component 3 (Number)	0.00	Jun/2017	9,310.00	30-Jan-2024			18,335.00	Dec/2024
Female beneficiaries of Component 3 (Percentage)	0.00	Aug/2018	53.00	27-Aug-2024	53.00	27-Aug-2024	50.00	Dec/2024
Percentage of project beneficiaries reporting the citizen engagement activities were effective (Percentage)	0.00	Mar/2020	0.00	27-Aug-2024	0.00	27-Aug-2024	75.00	Dec/2024
	Comments on achieving targets		Data will be available in Nov 2024					



## 7. DATA ON FINANCIAL PERFORMANCE

### 7.1 Cumulative Disbursements



### 7.2 Disbursements (by loan)

Loan/Credit/TF	Status	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
TF-B2457	Effective	2.66	2.66	0.00	2.66	0.00	100.00%
IDA-D2400	Effective	23.00	18.00	5.00	17.08	0.00	94.91%
IDA-61460	Effective	23.00	23.00	0.00	20.53	1.18	89.26%
IDA-73740	Effective	6.90	6.90	0.00	1.00	5.90	14.50%

### 7.3 Key Dates (by loan)



Loan/Credit/TF	Status	Approval	Signing	Effectiveness	Orig. Closing	Rev. Closing
IDA-61460	Effective	27-Oct-2017	26-Jan-2018	25-Apr-2019	31-Dec-2023	31-Dec-2024
IDA-73740	Effective	06-Jul-2023	08-Sept-2023	06-Mar-2024	31-Dec-2024	31-Dec-2024
IDA-D2400	Effective	27-Oct-2017	26-Jan-2018	25-Apr-2019	31-Dec-2023	31-Dec-2024
TF-B2457	Effective	10-Jun-2020	10-Jun-2020	25-Nov-2020	30-Jun-2023	31-Dec-2024

## 8. KEY DATES

Key Events	Planned	Actual
Approval	27-Oct-2017	27-Oct-2017
Effectiveness	25-Apr-2019	25-Apr-2019
Mid-Term Review No. 01	13-Mar-2023	13-Mar-2023
Operation Closing/Cancellation	31-Dec-2024	

## 9. RESTRUCTURING HISTORY

Restructuring Level 2 Approved on 26-Jun-2023

Restructuring Level 2 Approved on 19-Dec-2023

## 10. ASSOCIATED OPERATION(S)

There are no associated operations