



District Heating Energy Efficiency Project (P146206)

EUROPE AND CENTRAL ASIA | Uzbekistan | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2018 | Seq No: 9 | ARCHIVED on 27-Jun-2022 | ISR52188 |

Implementing Agencies: Kommunkhizmat Agency, Ministry of Housing and Communal Services, UZBEKISTAN

Key Dates

Key Project Dates

Bank Approval Date: 25-Jan-2018

Effectiveness Date: 12-Oct-2018

Planned Mid Term Review Date: 31-Oct-2022

Actual Mid-Term Review Date:

Original Closing Date: 31-Dec-2024

Revised Closing Date: 31-Dec-2024

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to improve the efficiency and quality of heating and hot water services in selected cities within the territory of the Recipient.

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

No

Components Table

Name

Modernization of District Heating Systems:(Cost \$134.00 M)
Implementation Support and Capacity Building:(Cost \$6.00 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"/> Moderately Unsatisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

The Project has gained momentum and implementation progress has been made. Out of a total eighteen investment packages financed by the Project, twelve contracts (total value of US\$64 million) have been signed and are under implementation; the remaining 6 contracts are currently under evaluation. Three Samarkand contracts are expected to be awarded by the end of July 2022.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Projected lifetime energy savings				
▶ Projected lifetime energy savings (Megawatt hour(MWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7,500,000.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

Associated lifetime CO2 emissions reduction				
▶ Associated lifetime CO2 emissions reduction (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	765,000.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

People that gained access to more energy-efficient heating facilities				
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▶ People that gained access to more energy-efficient cooking and/or heating facilities (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	240,937.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

Percentage of people who perceive improvements in heating services				
▶ Percentage of people who perceive improvements in heating services (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	73.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

Intermediate Results Indicators by Components

Modernization of District Heating Systems				
▶ Number of individual heat substations installed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	90.00	1,836.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
□ Tashkent - Installed individual heat substations (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	649.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
□ Chirchik - Installed individual heat substations (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	35.00	199.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
□ Andijan - Installed individual heat substations (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	25.00	306.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Bukhara - Installed individual heat substations (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	30.00	264.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Samarkand - Installed individual heat substations (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	418.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
► Heat capacity of gas-fired boilers installed or rehabilitated (Megawatt, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	75.00	75.00	560.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Andijan - Capacity of gas-fired boilers installed or rehabilitated (Megawatt, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	110.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Chirchik - Capacity of gas-fired boilers installed or rehabilitated (Megawatt, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	75.00	75.00	75.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Tashkent - Capacity of gas-fired boilers installed or rehabilitated (Megawatt, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	205.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Bukhara - Capacity of gas-fired boilers installed or rehabilitated (Megawatt, Custom Breakdown)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Samarkand - Capacity of gas-fired boilers installed or rehabilitated (Megawatt, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
► Length (trench) of pre-insulated DH channel installed (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	134.70
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Tashkent - Length of pre-insulated DH channel installed (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	46.60
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Chirchik - Length of pre-insulated DH channel installed (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	19.70
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Andijan - Length of pre-insulated DH channel installed (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	24.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Bukhara - Length of pre-insulated DH channel installed (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.60
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024



☐ Samarkand - Length of pre-insulated DH channel installed (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	38.80
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

Implementation Support and Capacity Building

▶ Number of public information events concerning project and its benefits (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	5.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

☐ Tashkent - Number of public information events (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

☐ Chirchik - Number of public information events (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

☐ Andijan - Number of public information events (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

☐ Bukhara - Number of public information events (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024

☐ Samarkand - Number of public information events (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024



Value	0.00	1.00	1.00	1.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
► Grievances registered related to DH service that are actually addressed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	80.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Chirchik - Grievances registered related to DH service that are actually addresses (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	80.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Tashkent - Grievances registered related to DH service that are actually addresses (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Andijan - Grievances registered related to DH service that are actually addresses (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Bukhara - Grievances registered related to DH service that are actually addresses (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Samarkand - Grievances registered related to DH service that are actually addresses (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
► Beneficiaries who feel project investments reflected their needs (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	73.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
Comments:	<p>The first periodic survey commissioned by the PCU at the end of 2020 targeted the service consumers (different types of households and social facilities) in the targeted cities of Andijan, Chirchik, Bukhara, Samarkand and Tashkent, the MHCS, local government bodies (hokimiyats) and heads of utilities. The survey revealed deficiencies in several areas: i) legal and regulatory framework for the provision of communal services to the population, including related to quality standards and interaction between service providers and consumers; ii) the system of informing consumers about the service provision and upcoming improvements; iii) the system of collection and use of consumers' feedback in service management. Following the survey, the Concept for Public Monitoring and Dialogue was developed and launched. Its implementation included: i) capacity building and engagement of HAOs in targeted areas for citizens awareness building about the project (through information flyers, banners, round tables and community meetings in cooperation with the mahalla committees), conducting further social surveys among consumers and improving the relationship between utility providers and consumers; ii) identification and implementation of tools and conceptual mechanisms for public monitoring (through Public Monitoring Committee composed of interested citizens, organizations and associations); iii) engagement of traditional and social media.</p> <p>However, the project is facing a challenge related to lack of households' awareness and willingness to invest in the heating systems upgrade in multi-apartment buildings. The situation will be analyzed in detail during the upcoming mission (April 11–20, 2022). The PMU with the support of social development/citizen engagement consultant has already elaborated a proposal for improving the situation through an intensive well-targeted communication and awareness building campaign with active involvement of and capacity development measures for main stakeholders – the MHCS, local government authorities (hokimiyats and makhallas) and heating companies in targeted areas.</p>			
<input type="checkbox"/> Samarkand - Beneficiaries who feel project investments reflected their needs (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Bukhara - Beneficiaries who feel project investments reflected their needs (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Andijan - Beneficiaries who feel project investments reflected their needs (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
<input type="checkbox"/> Chirchik - Beneficiaries who feel project investments reflected their needs (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	70.00



Date	31-Dec-2017	31-Mar-2022	24-Jun-2022	31-Dec-2024
□ Tashkent - Beneficiaries who feel project investments reflected their needs (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	31-Dec-2015	31-Mar-2022	24-Jun-2022	31-Dec-2024

Performance-Based Conditions

Data on Financial Performance

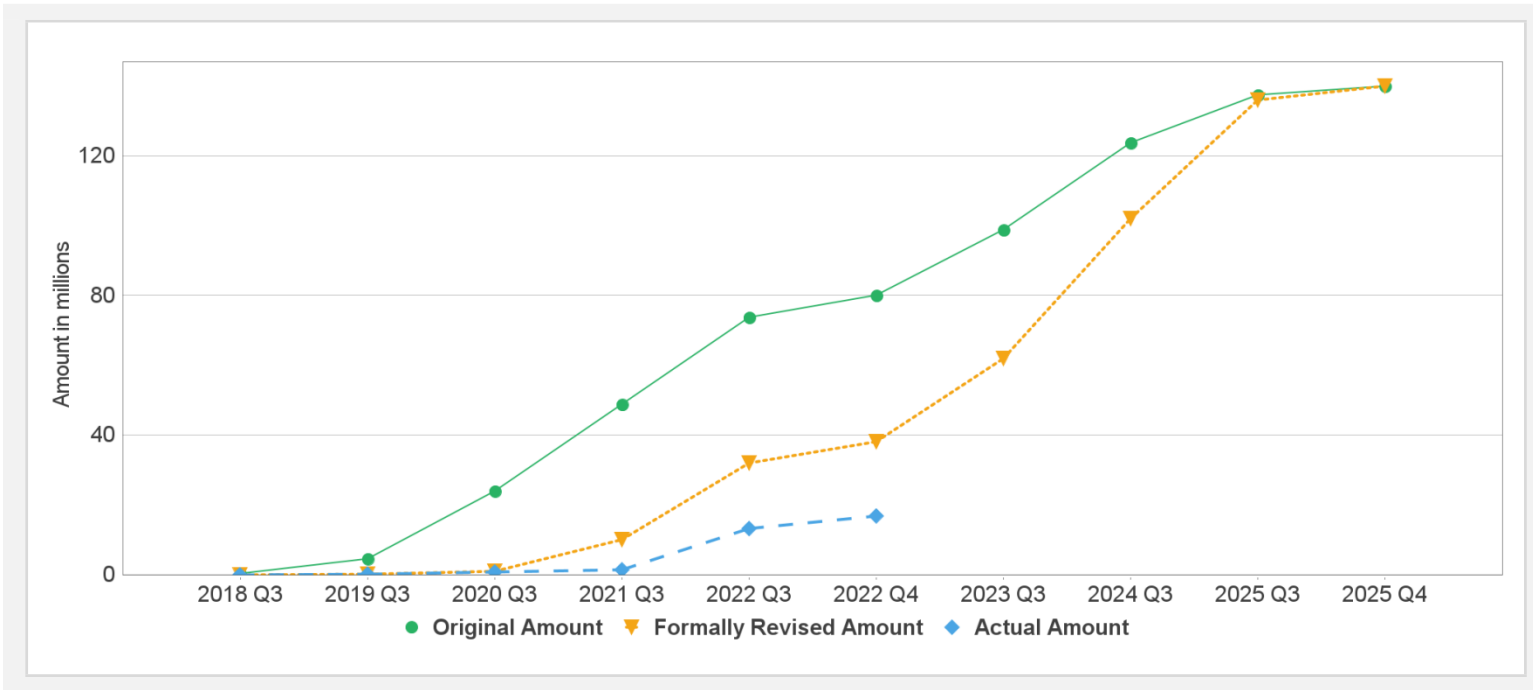
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P146206	IDA-61730	Effective	USD	140.00	140.00	0.00	16.86	123.14	12%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P146206	IDA-61730	Effective	25-Jan-2018	17-May-2018	12-Oct-2018	31-Dec-2024	31-Dec-2024

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.