



## Ulaanbaatar Clean Air Project (P122320)

EAST ASIA AND PACIFIC | Mongolia | Energy & Extractives Global Practice |  
IBRD/IDA | Specific Investment Loan | FY 2012 | Seq No: 10 | ARCHIVED on 23-May-2017 | ISR27736 |

Implementing Agencies: Mongolia, UBCAP Project Management Unit

## Key Dates

## Key Project Dates

Bank Approval Date:03-Apr-2012

Effectiveness Date:18-Dec-2012

Planned Mid Term Review Date:19-Jan-2015

Actual Mid-Term Review Date:19-Jan-2015

Original Closing Date:30-Jun-2017

Revised Closing Date:30-Jun-2017

## Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The development objective (PDO) is to enable consumers in ger areas to access heating appliances producing less particulate matter emissions and to further develop selected medium-term particulate matter abatement measures in Ulaanbaatar in coordination with development partners.

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

No

## Components

Name

A. Ger Area Particulate Matter Mitigation:(Cost \$16.10 M)

B. Central Ulaanbaatar Particulate Matter Mitigation:(Cost \$2.30 M)

C. Public Awareness Raising, Program Coordination and Project Management:(Cost \$3.00 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



**Summary of Progress:** The project has made substantial progress toward achieving the PDO through promotion of low emission stoves, development of medium term abatement measures, and facilitating coordination on air pollution abatement. The remaining funding from the project, including the savings from the clean stove program, is proposed to be used for high-priority activities to address air quality in UB, including support to local clean stove manufacturers, energy efficiency measures for standalone ger houses, support for non-coal heating options among households and public institutions in ger areas, household and building survey of heating devices (stoves, small boilers) and open burning (such as tires and garbage) in key pollution zones in UB; and enhanced public awareness and extended project support for the PMU.

**Sustainability:** Despite notable achievements of the clean stove program in lowering average ambient air pollution levels in UB in winter, pollution levels remain high in the city, particularly in some heavily polluted ger neighborhoods. In addition to the stove promotion program (which ended in 2015 along with the Government program), new standards for clean stoves and low-pressure boilers that were prepared by the project have recently been approved. In addition, a new regulation prohibiting the production and sale of traditional stoves in UB has been passed by the municipal government and took effect April 1, 2017. It is hoped that once traditional stoves are no longer allowed in UB, the market for clean stoves will expand and the project intends to help local manufacturers design and fabricate clean stoves and boilers.





## 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	--	● Low	● Low
Technical Design of Project or Program	--	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	--	● Moderate	● Moderate
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Substantial	● Substantial
Other	--	--	--
Overall	--	● Moderate	● Moderate

## Results

### Project Development Objective Indicators

#### ► Coverage of targeted households with eligible services (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	90.00	90.00	80.00
Date	18-Dec-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016

#### ► Approval by relevant counterparts of principle recommendations and action plans developed by the Project for selected medium term abatement measures (no. of action plans approved) (Number, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	4.00
Date	03-Apr-2012	11-Jan-2016	19-Jan-2017	31-Dec-2015

► Inter-agency and donor coordination framework for air pollution abatement measures developed and functioning (cumulative no. of years) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.00	5.00	5.00	6.00
Date	03-Apr-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016

Overall Comments

**Intermediate Results Indicators**

► Laboratory tests supported by UBCAP (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	552.00	572.00	155.00
Date	03-Apr-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016

► Number of stove models proposed for participation (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	61.00	61.00	10.00
Date	03-Apr-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016



► Number of stoves declared eligible for UBCAP support (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.00	15.00	5.00
Date	03-Apr-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016

► Subsidy mechanism disbursing (% of available funds) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	18-Dec-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016

► City greening preparatory study prepared (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not started	Final report submitted	Final report submitted	Final report submitted
Date	31-Dec-2011	06-Oct-2016	06-Oct-2016	31-Dec-2015

► City greening pilot implemented (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not started	Pilot implemented	Pilot implemented	Pilot implemented
Date	31-Dec-2011	11-Jan-2016	11-Jan-2016	31-Dec-2015



► Power plant emissions control feasibility study prepared (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not started	Final report submitted	Final report submitted	Final report submitted
Date	31-Dec-2011	03-Dec-2015	03-Dec-2015	31-Dec-2015

► Housing policy study prepared (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not started	final report submitted	final report submitted	Final report submitted
Date	31-Dec-2011	03-Dec-2015	03-Dec-2015	31-Dec-2015

► District heating preparatory study prepared (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not started	Final report submitted	Final report submitted	Final report submitted
Date	31-Dec-2011	03-Dec-2015	03-Dec-2015	31-Dec-2015

► Monitoring and analysis equipment supplied (cumulative number of bid packages) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5.00	5.00	3.00
Date	31-Dec-2011	06-Oct-2016	19-Jan-2017	31-Dec-2016



► Persons trained in air quality monitoring, analysis and management (cumulative number) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	34.00	34.00	15.00
Date	31-Dec-2011	06-Oct-2016	19-Jan-2017	31-Dec-2016

► Effective project management and reporting established (No. of project progress reports per year) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	14.00	14.00	2.00
Date	31-Dec-2011	06-Oct-2016	19-Jan-2017	31-Dec-2016

► Monthly reports on coordination activities prepared by the municipality (No. of reports annually) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25.00	25.00	4.00
Date	31-Dec-2011	06-Oct-2016	19-Jan-2017	31-Dec-2016

► Consultants for supporting coordination hired (cumulative number) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	2.00
Date	03-Apr-2012	06-Oct-2016	19-Jan-2017	31-Dec-2016





► Communications plan for collecting air quality program information across donors and agencies, satisfactory to the PMU, is prepared by the municipality (No. annual plans) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	1.00
Date	31-Dec-2011	06-Oct-2016	19-Jan-2017	31-Dec-2016


► Share of communications targets (e.g., meetings with agencies and donors, information collected) in approved communications plan achieved by the municipality (% share of target) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	31-Dec-2011	06-Oct-2016	19-Jan-2017	31-Dec-2016

#### Overall Comments

### Data on Financial Performance

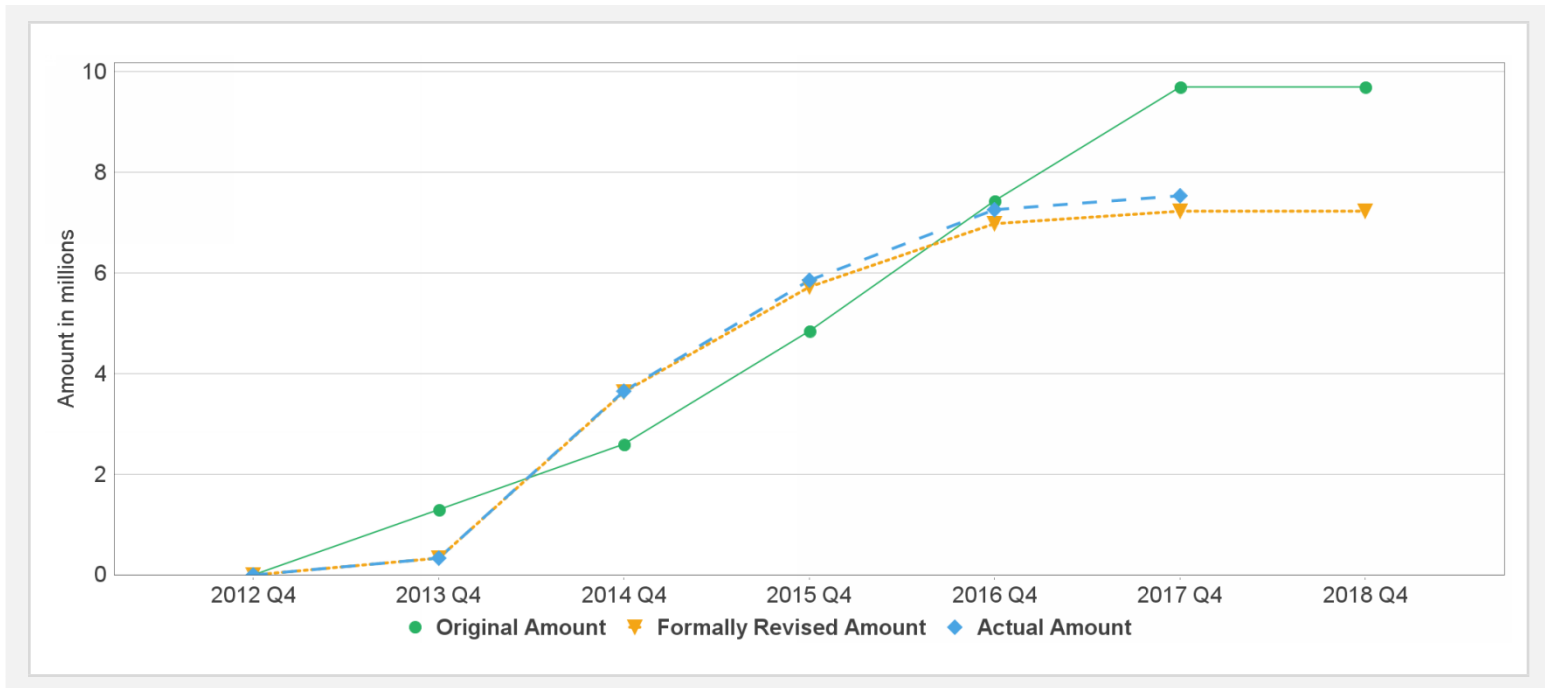
#### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P122320	IDA-50390	Effective	XDR	9.70	9.70	0.00	7.53	2.17	 78%

#### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P122320	IDA-50390	Effective	03-Apr-2012	04-Apr-2012	18-Dec-2012	30-Jun-2017	30-Jun-2017

#### Cumulative Disbursements



## Restructuring History

Level 1 Approved on 10-Nov-2014

## Related Project(s)

There are no related projects.