



## Hebei Rural Renewable Energy Development Project (P132873)

EAST ASIA AND PACIFIC | China | Agriculture and Rural Development Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 1 | ARCHIVED on 15-Jun-2015 | ISR19219 |

Implementing Agencies: Hebei Provincial Agriculture Department

### Key Dates

#### Key Project Dates

Board Approval date:13-Mar-2015

Effectiveness Date:--

Planned Mid Term Review Date:31-Dec-2017

Actual Mid-Term Review Date:--

Original Closing Date:31-Dec-2020

Revised Closing Date:31-Dec-2020

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective (PDO) is to demonstrate sustainable biogas production and utilization to reduce environmental pollution and supply clean energy in rural areas of Hebei Province.

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

No

### Components

Name

Large-scale biogas facilities management and renewable energy supply:(Cost \$132.10 M)

Technical support, project management and monitoring:(Cost \$5.80 M)

### Overall Ratings

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

### Implementation Status and Key Decisions



The project is recently approved by the Board of World Bank and it has not yet become effective.



## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Project Development Objective Indicators

#### ► Amount of project-supplied biogas used by final users annually (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	42000000.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020



## ▶ CO2 emission reduction by the project annually (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	58780.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

## ▶ Number of rural resident households who can access biogas supply under the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	96100.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

## Overall Comments

## Intermediate Results Indicators

## ▶ Annual generation capacity of renewable energy (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	42000000.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

## ▶ Cumulative length of main biogas distribution pipeline system establishment (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	320.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020



► Cumulative Gas gate-stations established (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	45.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

► Crop residue treated by the project annually (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	221700.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

► Livestock manure treated by the project annually (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	241600.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

► CNG produced by the project annually (Cubic Meter(m3), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	7000000.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

Comments

CNG for use as vehicle fuel.



▶ Client days of training provided (number) (Number, Core)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	1800.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

Comments

Target is for 35% of client training days to be provided to women and the value is cumulative person.day.

▲ Client days of training provided - Female (number) (Number, Core Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	630.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

▶ M&E system put into operation (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	--	N	Y
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

Comments

System to be put into operation during first year of project implementation.

▶ Cumulative Number of guidelines and regulations prepared and put into use (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	2.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020



## Comments

Planned guidelines include manuals for (a) biogas program operation, and (b) digestate application.

► Cumulative numbers of laboratory built at biogas plant level (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	6.00
Date	30-Jun-2014	--	30-Apr-2015	31-Dec-2020

## Overall Comments

### Data on Financial Performance

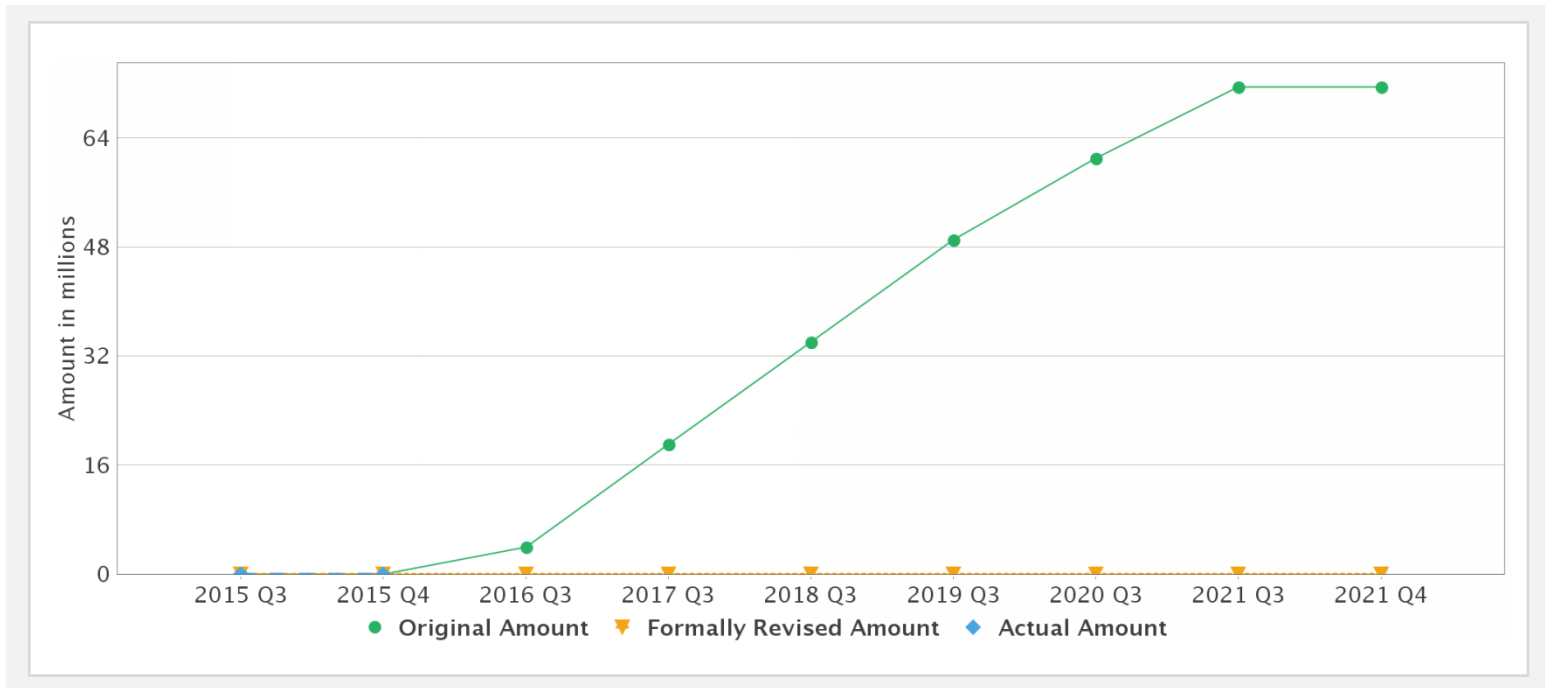
#### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P132873	IBRD-84760	Not Effective	USD	71.50	71.50	0.00	0.00	71.50	0%

#### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P132873	IBRD-84760	Not Effective	13-Mar-2015	16-Apr-2015	--	31-Dec-2020	31-Dec-2020

#### Cumulative Disbursements



## Restructuring History

There has been no restructuring to date.

## Related Project(s)

There are no related projects.