

 Early Warning System

ADB-50089-002

Qingdao Rural Waste-to-Energy and Clean Energy Supply in Rural and  
Suburban Areas Project



### Quick Facts

Countries	China
Specific Location	Nation-wide
Financial Institutions	Asian Development Bank (ADB)
Status	Proposed
Bank Risk Rating	B
Borrower	People's Republic of China
Sectors	Energy
Investment Type(s)	Loan
Investment Amount (USD)	\$ 100.00 million
Loan Amount (USD)	\$ 100.00 million
Project Cost (USD)	\$ 100.00 million



### Project Description

According to the bank document, the project will develop:

- (i) agricultural waste-to-energy systems in four locations in rural areas; and
- (ii) low-carbon, low-pollution, and energy-efficient heating, cooling, and power production systems in seven locations in rural and semi-urban areas in Qingdao City.

The agricultural waste-to-energy systems will use carbon-neutral biomethane for power generation and biomass briquettes as heating fuel. The low-carbon heating, cooling, and power production systems in rural and suburban areas, on the other hand, will use cleaner fuel sources, such as natural gas, and waste heat recovered from wastewater at municipal sewage plants, instead of coal.

As a result, energy intensity is expected to reduce by 40%, and carbon intensity by 64%, from the averages achieved by comparable standard systems now in use in the northern PRC (The project is expected to achieve average energy intensity of 0.35 gigajoules per square meter (m<sup>2</sup>), compared with the present average of 0.56 gigajoules per m<sup>2</sup> in the PRC, and to produce carbon emissions of 20 kilograms per m<sup>2</sup>, compared with 70 kilograms per m<sup>2</sup> from coal-based systems.).

The project will also promote high-quality equipment and system design by organizing technology exchange sessions with providers of advanced technology solutions.



## Investment Description

- Asian Development Bank (ADB)

## Loan: Qingdao Rural Waste-to-Energy and Clean Energy Supply in Rural and Suburban Areas Project

Ordinary capital resources      US\$ 100.00 million



## Contact Information

**Responsible ADB Division**      EASI

## Executing Agencies

### **Qingdao Municipal Government**

c/o Qingdao Mun.Devt.& Reform Commission

No. 11 Xiang Gang Zhong Road, Qingdao

People's Republic of China 266071

## **ACCOUNTABILITY MECHANISM OF ADB**

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: <http://www.adb.org/site/accountability-mechanism/main>



## Bank Documents

- [Project Disclosure PDF](#) [Original Source]
- [Qing Dao Nong Cun Fei Wu Neng Yuan Hua Xiang Mu : Xiang Mu Shu Ju Biao](#) [Original Source]
- [Qingdao Rural Waste-to-Energy Project: Initial Poverty and Social Analysis](#) [Original Source]
- [Qingdao Rural Waste-to-Energy Project: Project Preparatory Technical Assistance Report](#) [Original Source]