

Green Bond Criteria: Mitigation

Purpose: To demonstrate sustainable biogas production and utilization to reduce environmental pollution and supply clean energy.

Expected Results (include): By 2020:

- 42,000,000 cubic meter (m³) of biogas used by final users annually.
- 58,780 tons of CO₂ emissions reduced annually.
- 96,100 rural resident households with access to biogas supply.
- Additional biogas used as fuel for public transportation.

IBRD Financing: \$71.5 Million



Country Challenge

Every year China produces 840 million tons of livestock manure which is a key source of water pollution; in addition, 690 million tons of collectable crop residues are burned for fuel or open fields which combined with coal burning used by rural households for cooking and heating causing severe indoor and outdoor air pollution.

China's central areas – the Hebei Province included – present very serious conditions.

Project Goal

The project supports the strengthening of China's biogas program by building six state-of-the-art biogas facilities to serve as demonstration for efficiently convert agricultural waste (manure and crop residues) into biogas. After supplying the biogas to rural households, the remaining biogas will be upgraded to vehicle quality and used for public transportation.