Project Summary:
Purpose: To improve the energy efficiency and environmental performance of the industrial sector
Timeframe: 2011 - 2016
IBRD Financing: US$150 million
Project ID: P114069
Mitigation: Energy efficiency in urban heating systems

Shandong Energy Efficiency

China's goal is to reduce carbon dioxide intensity (CO2 per unit of GDP) by 40-45% between 2005 and 2020. In addition to promoting non-fossil fuels, it has launched ambitious programs for energy conservation, which are being implemented by China's 30 provincial governments. Shandong is the third largest province in China with a population of 93 million and first in energy consumption.

The purpose of this project is to support Shandong with energy efficiency programs focusing on leasing and performance contracting in industries, such as paper, cement, and motor manufacturing, and financing for a biomass (from corn and wheat stalk) electricity and heat power plant.

The cumulative energy savings over 5 years is expected to be 397,000 tons of coal equivalent and the biomass based heat and power expected to be generated is 165 GWh of renewable energy to the grid. This would represent a range of 141,900 to 207,200 tons of CO2 avoided depending on the composition of the subprojects ultimately supported.

More Information: