

China Beijing Rooftop Solar Photovoltaic Scale-Up (Sunshine Schools) Project

Description

Purpose: To promote renewable energy in educational institutions.

Expected Results (include):

- 100MW of renewable capacity installed serving 650,000 students in 1000 schools.
- 100,000 KWh of electricity generated by the installed rooftop systems at full operation (about 10 to 15% of the schools' annual electricity use).
- 89,590 tons of CO₂eq. emissions reduced annually.

IBRD Financing: US\$120 million

Country Challenge

Energy efficiency and renewable energy are central in China's push to reduce the carbon footprint of its economy.

Project Goals

The "Sunshine Schools" Project will increase the share of clean energy in electricity consumption and demonstrate the viability of the renewable energy service company model by scaling up the deployment of rooftop solar photovoltaic systems in 1000 schools and other educational institutions in Beijing Municipality – the largest solar photovoltaic initiative in the country so far.

