

Turkey

Renewable Energy Integration

Green Bond Criteria: Mitigation

To assist Turkey in meeting increased power demand by strengthening the transmission system and facilitating large-scale renewable energy generation.

Expected Results include:

- 1,734,000 MWh per year of wind energy handled by the substations funded under project
- 690,000 tons of CO₂eq. avoided through wind farms connected to substations financed by the project

IBRD Loan Amount:

US\$300 million (Euro 217.6 M)



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Country Challenge

Turkey has increased demand for electricity and is developing a large program to increase the share of renewable energy. In the case of wind power, of which Turkey has large potential, the country lacks the transmission and grid management infrastructure to service the planned new wind power plants.

Project Goals

The project develops the transmission infrastructure (substations, grid-interfacing equipment, a submarine power cable across the Bosphorus and Dardanelles straits, etc.) and strengthen grid operation to integrate wind power plants in three provinces (combined capacity of 600 MW). The project also supports the expansion of the transmission network to cater to growing demand and supply.

For more information: <http://www.worldbank.org/projects/P144534/renewable-energy-integration?lang=en>

Video: <http://www.worldbank.org/en/news/video/2013/01/17/in-turkey-energy-result-video>