Country Challenge
Despite significant surplus in installed power generating capacity, some regions of Ukraine are experiencing difficulties due to congestion in the main transmission networks and poor reliability of the existing transmission infrastructure. Users resort to diesel-powered back-up generators, which cause additional CO₂ emissions. With demand for energy increasing, combined with outdated equipment supporting the country’s major power grids, UkrEnergo, Ukraine’s transmission system operator, cannot supply energy efficiently to both Ukraine and the EU.

Project Goals
The project helps mitigate greenhouse gas emissions by improving the transmission infrastructure and helping UkrEnergo reduce Ukraine’s energy intensity by 10 percent. It also will help increase UkrEnergo’s revenue through more electricity trade with the EU.

Green Bond Criteria: Mitigation
Improve reliability and efficiency of energy supply to facilitate smooth operation of the energy market both domestically and internationally.

Expected Results include:
- 7 power substations rehabilitated.
- 33,000 MWh reduction of energy losses annually (eq. to power consumed by seven 25-story office buildings).
- 14 MW in generation capacity avoided due to reduced transmission losses.

IBRD Loan Amount:
US$200 million

For more information: