



Utility scale solar park

Climate cooperation between
Sweden and Ghana

Country: Ghana

Project owner:
TFI Power Company

Crediting period: 2025-2030

Technology: Solar PV

Mitigation outcomes: 200,000 CO₂e

Sustainable development goals:



Activity description

The mitigation activity will construct a solar park to displace 60 MW. The activity will substantially increase the share of renewable energy in Ghana's national grid and aim to reduce greenhouse gas emissions by approximately 200,000 tonnes by 2030.

Environmental integrity

High interest rates, expensive imports and regulatory challenges hamper Ghana's solar power market. As a result, solar power currently generates approximately two percent of the electricity in Ghana.

Environmental integrity is strengthened by a baseline that assumes a successful energy transition in Ghana and a relatively short crediting period. Sweden will purchase internationally transferred mitigation outcomes (ITMOs) until 2030 with the possibility to extend until 2036, after which all mitigation outcomes will belong to Ghana. This will allow the country to increase its greenhouse gas mitigation ambition in future nationally determined contribution (NDC) periods.

Expected contributions to sustainable development goals

In addition to reduced greenhouse gas emissions, the installation of solar power leads to sustainable development co-benefits, such as economic growth, job creation, and improved energy access, particularly in underserved areas. The activity has a focus on hiring locally and supporting regional supply chains, which stimulates the local economy, while community engagement initiatives promote social inclusion and equity.

