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A CARBON CLEAR PROJECT



PROJECT SUMMARY

Run-of-river Hydropower, Brazil

Source of Greenhouse Gas Reduction:

This project is a run-of-river hydroelectric plant located on the Pimenta Bueno River in Brazil's Rondonia State. Greenhouse gas emissions reductions are achieved by using the river to generate power, therefore displacing electricity on the grid produced by higher-emission fossil fuel sources. Reducing the use of fossil fuels also reduces air pollution.

Why We Like It:

Through the use of carbon credit sales, this project helps to demonstrate the enhanced contribution that smaller scale renewable energy projects can make to a lower-carbon future in Brazil.

Unlike traditional hydroelectric dams, this run-of-river project uses a weir to divert only a portion of the river's flow, significantly reducing the social and environmental impacts. The International Rivers Network, an advocacy group that opposes large dam construction, actively supports the use of run-of-river projects.

Construction and operation of the project in a relatively remote region supports local employment, both directly and through procurement of services and equipment. The supply of hydroelectricity also stabilises the regional grid, reducing power shortages common in rural Brazil at peak times.

Independent Assurance:

This project complies with the additionality criteria established by the Clean Development Mechanism. The carbon offset credits have been verified by an accredited third party auditor and are Voluntary Carbon Standard (VCS) certified.

Project Location

Rondonia State, Brazil

Type of Project

Renewable Energy

Emission Reductions

82,000 tCO₂e



Project in Brief

Emission reductions achieved by capturing and flaring landfill methane gas

Promotes new technology and transfer of knowledge

Provides local employment and reduces risk of landfill explosions and odour

