



Protecting our climate

# Renewable Energy Projects



## Candelaria Hydroelectric Project

The project involves the generation of renewable energy through the installation of a run-of-river hydropower plant in Guatemala. The project generated emission reductions of approximately 14,500 CO<sub>2</sub> equivalent in 2006, verified and certified to the Voluntary Carbon Standard.

### Technology partner

Hidroeléctrica Candelaria S.A.: Private

### Country

Guatemala

## About your project

The project supports the construction of a 4.3 MW hydropower plant located in the north-central area of Guatemala, near Senahú town. This run-of-river facility will utilise the water of the Trece Aguas river to generate clean renewable electricity.

Located in a region where electricity is not widely distributed the project provides power to local inhabitants and their businesses, improving their overall quality of life and aiding local economic development.

The project developer has also implemented an afforestation and reforestation plan in the areas surrounding the project. To date approximately 450 hectares have been planted, offering hundreds of workplaces for the communities surrounding the project site.

Guatemala has huge potential for hydroelectric power generation but lack of incentives has led to a steep decline in the proportion of hydroelectric capacity connected to the grid, whilst fossil fuel power plant construction has continued. Carbon finance can provide the incentives required for further development of clean renewable energy generation in this region and others.



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