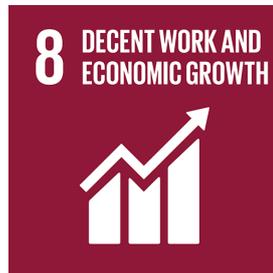


Solar Power Plant Replaces Fossil Energy in the Dominican Republic



It is the largest solar power plant in the Caribbean and a first of its kind in the region.

Installing the largest solar power plant in the Caribbean the project is an alternative to the fossil driven electricity fuel mix by sun power and furthermore creates local employment, a visitor center and a fund for social and ecological activities



5

264,000

53

% of the income from carbon credits goes into a community fund.

pieces of solar modules installed

permanent jobs created

The project activity consists in the installation of a 60 Megawatt photovoltaic Solar Energy Farm in the Monte Plata province in the Dominican Republic. The expected solar irradiation per year (with 1,490 kWh/kWp) is approximately one and a half times higher than in Switzerland. 100 Giga Watt hours (equals the consumption of 20,000 households in Switzerland) electricity will be produced per year thanks to this ideal solar radiation conditions.

Project type:

Solar

Project location:

Dominican Republic

Project status:

In operation, credits available

Annual CO₂ reduction:

48,026 t

Situation without project

National electricity fuel mix

Project standard

Gold Standard[®]

CER

Impressions



Once the plant will be fully constructed, 264,000 pieces of solar modules will be installed on an area as big as 50 football pitches.



Pupil planting a seedling in a reforestation activity.

It is the largest solar power plant in the Caribbean and a first of its kind in the region. It produces renewable, local produce electricity for around 50,000 households in the Dominican Republic per year. Almost 70,000 t CO₂ will be reduced per year once the plant is fully constructed. This equals the burning of around 26 million liter fossil fuel.

The success of Monte Plata solar project increases local employment rate and raises the percentage of renewable energy for the Dominican Republic.

Dr. Quincy Lin, Chairman of GES

An assessment of environmental effects has been done. The owner is obliged to reforest outside the project area any if needed deforestation activity and to conserve an area next to a river adjacent to the project site. At least an equal amount of native flora is and will be replanted next to the project site and also a plantation of different plant species within the boundaries of the project site is mandatory. In addition, a visitor center will be installed next to the site to demonstrate renewable energy possibilities and to provide climate education. At least five percent of the income of carbon revenue will flow in a revolving fund managed by the community of Monte Plata dedicated for social and ecological activities and donations.

The 5 per cent of the carbon finance (community fund) was used for the following activities so far (2021):

- Building of an educational centre on solar energy inside the Solar Plant
- Donation of a 100 kv photovoltaic power plant to the Central Hospital of the Forces Armed
- Recruitment of project workers in nearby locations
- Building capacities to the students of the Residential Electricity Assistant from the 'Centro de Capacitación Aquino Leyba (CECAL)' with the purpose of knowing the Monte Plata Solar Photovoltaic Park and learning about the operation and impact of this type of systems
- Continuous exchange with different stakeholders such as the community impacted by the project sharing information of the project and its social and ecological activities

Thanks to the support of myclimate and the CO₂ offsetting mechanism the attractiveness of the project for investors can be improved. The project activity is financed by GES and operated by Soventix.

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This project contributes to 7 SDGs:



5 per cent of the income from carbon credits goes into a community fund for social and environmental activities.



There was no rainforest where the solar panels are located but unused meadows and bushland (see map).



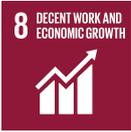
The Monte Plata solar project will increase fivefold the current photovoltaic power in the country's energy mix once the overall project has been completed.



People are being trained on different aspects of the project, also with the help of the educational centre.



219 GWh of renewable energy has been delivered to the grid until 2020. This means locally produced renewable electricity for around 130,000 households.



53 long-term positions have been generated (40 men and 13 women). Additionally, 36 security employees from an external company are being employed and 200 jobs were created during construction.



31,000 tonnes of CO₂ are saved per year.



2,000 trees have been reforested.



Foreign experts were involved in the project to build local capacity. 264,000 pieces of solar modules have been installed (equivalent to 50 football pitches), completing the spread of environmentally sound technology.