



Honduras – Small Hydroelectric projects

Overview: Two small hydroelectric power stations, displacing fossil-fuelled generation.

The projects are both small run-of-river hydropower plant, in the North and North-East of Honduras. Each site benefits from satisfactory water resources in the two rivers concerned and the projects have installed generation capacity of 6.1 and 7.8 MW respectively.



Benefits: Emissions reductions and sustainable development

Greenhouse gas emissions are reduced by the projects since their generation output displaces electricity that would otherwise have been produced by the existing, predominantly diesel fuelled power plants in the region. The assessment of emission reductions from the project are based on the approved small scale CDM methodology AMS-I.D (Version 6) “Grid connected renewable electricity generation”. The verification report confirms that emissions reductions equivalent to around 0.75 tonnes of CO₂ are achieved for each megawatt-hour of electricity exported to the grid

Wider social and economic benefits from the two projects include a total of approximately 40 permanent jobs during the operating period plus indirect employment & training, improved reliability of local electricity supply, and a contribution to national energy security. One of the projects includes a forest management and reforestation plan for the areas surrounding the facility, and an access road that will benefit several local communities.

Project carbon credits

During the year to 31 January 2010, the greenhouse gas reductions by the two projects totalled 32,324 tonnes of CO₂ equivalent, though one site suffered interruption due to flooding. These projects were verified by Det Norske Veritas (DNV; Certificate available upon request) and the carbon credits were registered under the United Nations Clean Development Mechanism (CDM) programme.