



Oaxaca II Wind, Mexico

This project generates clean energy from wind and thanks to carbon revenues, wind energy in Mexico is rapidly developing in harmony with social principles, an important number of social interventions have been set up, which extend environmental benefits and economic development to the community.

Location



The project activity is located in Santo Domingo Ingenio municipality in Oaxaca in south-western Mexico. The wind turbines are located on the Pacific coastal plain of the Isthmus, which has reliable, dominant north-south winds. Most of the local population is engaged in agriculture activities, growing sorghum, coffee, beans, maize and chili and native medicinal plants.

Project



Mexico, in heavy need of sustainable development on its way to a modern country, is more and more embracing clean technologies such as wind power to feed its growing economy's need for stable electricity. This large sized windfarm not only delivers emission free energy to the grid, the different project owners are also concerned with sustainable development of the rural regions their wind turbines are located in.

Several local and regional programs that are aimed at improving the current health, education and employment situation receive support, providing communities with long-term benefits such as scholarships, vocational trainings, health care and sports. Improvements in local infrastructure such as building and refurbishment of buildings benefit local living conditions and enable local economies to develop. Thus, the project activity represents a holistic approach to mitigate climate change, contribute to environmental protection, and support rural communities. These activities would not be possible without additional funding from carbon revenues that help the project overcome current risks and hurdles from heavy regulation.



Technically, the project activity involves 68 wind turbines with a total installed capacity of about 102 MW. The electricity generated by the wind farms is supplied to the national grid, avoiding more than 240,000 tons of CO₂ per annum.

Project achievements



Socio-economic impact:

- Funding of campaign to promote prevention and early detection of cervix cancer, which treated and informed 1,500 local women.
- Funding of campaigns to promote prevention and early detection of prostate cancer and prevention of unwanted pregnancy and AIDS among young people through workshops and medical examinations.
- Donation of 1,100 sport equipment and construction of four sports facilities.
- Scholarships to 80 students studying small wind turbine design and production, Energy Law and Master degrees in wind energy.
- Psychopedagogical support programs for primary school students: 421 students and 206 family parents.
- Embroidery workshops: 40 women from La Venta have been trained on typical clothing embroidery techniques and have received help to organize the sale of their products.
- Construction of a bioclimatic center, donation and refurbishment of educational institutions: 1.166 students have benefited.
- Donation of furniture for a library of a local Primary School.
- Building of a community center, bathrooms and 4 classrooms in 2 secondary schools.
- Donation of 18 computers and 1 projector to the Centro Bachillerato Tecnológico Agropecuario.

Environmental impact:

- An agreement was signed with the National Commission of Natural Protected Areas (CONANP) for the allocation of preservation sites.
- Reforestation in 2011 of 34.2 hectares in sites preserved and certified by CONANP and of 120 hectares in 2012 in cooperation with UMAFOR Istmo-Pacífico A.C.
- Reforestation of 152.8 hectares in the communities of the Istmo region.
- Funding of the Espinal High Technology Garden Center, which produces plants for reforestation.
- Building of bird observation towers and installation of dissuasive elements for birds.

Checklist Project 301 651



✓ Additionality and permanence:	according to the rules of the VCS
✓ 3 rd party validated::	Spanish Association for Standardisation and Certification (AENOR)
✓ Transparency:	provided by APX Registry
✓ Annual CO ₂ reduction:	240,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	high resolution pictures available

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