

SAN LORENZO WIND POWER THE PHILIPPINES

Harnessing the wind for secure
energy, reduced emissions and
sustainable development



The San Lorenzo Wind project is located in the Philippines' Guimaras Island Province in the municipality of San Lorenzo. The project's 27 wind turbines generate approximately 120,790 MWh every year to power local communities, reduce reliance on imported fossil fuels, and meet the growing energy demands of this emerging market country.

The Context

The Philippines is a Southeast Asian island nation whose growing power needs are presently met by burning imported fossil fuels, an unsustainable and heavily polluting activity. Dependence on imported fuels is also an issue, as reliable and secure energy depends on the development of onshore, sustainably sourced electricity.

The Project

The San Lorenzo Wind project harnesses the freely abundant wind resources of the Philippines, generating clean, renewable electricity to meet its growing energy demands. The project installed a 27 turbine, 54 MW capacity wind power plant on Guimaras Island. The wind farm supplies electricity to the local grid and exports power to neighbouring Panay Island via a newly constructed 138 kV-capacity transmission line. The project also funds several community building programs that promote local sustainable development.

The Benefits

The San Lorenzo Wind power plant reduces the Philippines' dependence on imported fossil fuels, and also creates local environmental and economic benefits. Displacing fossil fuel generated energy with clean wind power not only secures a supply of electricity for the country's growing energy demands; it also reduces air pollution, creates jobs, and paves the way for the expansion of the Philippines' renewable energy sector. The San Lorenzo project also supports several schools, daycare centres and educational programs, local tourism initiatives, biodiversity projects such as tree plantings, and promotes local sustainable economic development through workshops in artisan soap making and support of tourism projects on Guimaras island. Local health workers are also given training, and overall community wellbeing is improved.

Not only does the San Lorenzo Wind power plant reduce the Philippines' greenhouse gas emissions – its 26 towering wind turbines are also a popular local tourist attraction.



16
Barangay Health Workers

from four partner communities received Red Cross Training on Basic Life Support and Standard First



420
young students

attended Hamon ni Juan Matipid Interactive Workshop, which promotes energy literacy and love of the environment



120,790
MWh

of clean energy generated on average annually



38
Local Barangay Tanods

trained in partnership with the Philippine National Police and provided with basic equipment for self-defence and security



27
G90 wind turbine generators

supplied by Spanish company Gamesa, contributing to the transfer of sustainable technology between nations



65,468
tCO₂e

mitigated on average annually, supporting global climate action



5,940
indigenous seedlings

from 50 species planted on 27 ha, supporting the Philippine Government's National Greening Program



1000
Mangrove seedlings

planted in celebration of National Tourism Month 2017, themed, "Sustainable Tourism – A Tool for Development"

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: San Lorenzo Guimaras 54 MW Wind Power Project | **CDM link:** <https://cdm.unfccc.int/Projects/DB/ERM-CVS1353317741.88/view>
UNFCCC/markit/VCS ID: 8285