

Pignon Secondary School PV Project

Pignon, Haiti

Project Cost

\$22,200

Travel Cost

6 x \$1,200
=\$7,200

Funds Needed

\$28,000

Chapter

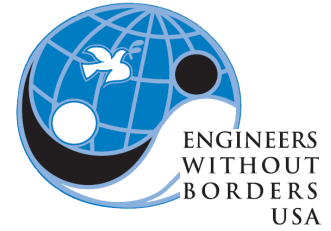
Illinois Institute of
Technology

Background

Pignon is a rural town located in the northeast portion of Haiti. The town is isolated from the political turmoil associated with the cities, but in turn is isolated from the continued progress the Haitian Government has made for its people.

Haiti Outreach

has worked for ten years out of Pignon to improve the lives of the Haitian people through sustainable community development. The Illinois Tech chapter has been offering assistance on partner projects with them for the past three years by designing the new school building, and designing a water distribution system for



Engineers Without Borders™-USA (EWB-USA) is a non-profit organization established in 2000 to partner with developing communities worldwide in order to improve their quality of life.

Website: www.ewb-usa.org

The Need

The students of the Pignon Secondary School - *Lycee Nationale*, sit in cramped classrooms with no lighting or electricity. This project will work to provide electricity for lights and computers in a recently completed new school building.

The EWB Response:

Partnership with Haiti Outreach

EWB-USA's Illinois Tech Chapter partnered with Haiti Outreach to provide sustainable engineering solutions for Haiti. During a partner project trip to Haiti, the officials and faculty of Pignon's school approached members from the Illinois Tech chapter of EWB with their problems.

Without any sort of lighting or electricity at the school, they are restrained to only having classes and activities during the day. Another issue professed was lack of computers, which would significantly help to better the education of the students, and also offer the opportunity for advanced education online.

Sustainable Solar Energy

Many different kinds of alternative fuel sources were investigated before solar power was chosen as the most effective and sustainable solution. Classroom lighting and electricity for computers will be provided for the first phase of the project. A battery bank system will provide electricity during the evening hours. The wind resource will also be studied for future project phases. The school will be responsible for collecting dues for system maintenance administered by Haiti Outreach through their continued partnership.

Moving Forward

EWB-IIT looks to continue future development of the school by providing solutions to additional electricity, running water, and sanitation. In the neighboring village of La Victoire, EWB has been asked to design a water distribution system in collaboration with Haiti Outreach.

To Learn more about this project:

<http://www.iit.edu/~ewb-iit/>

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