



March 4, 2017

RE: HAITI PROJECTS REQUEST FOR GRANT

Dear Committee,

Haiti Projects is a 510 (C)(3) corporation dedicated to empowering women of rural Haiti toward a self-sufficiency by providing access to jobs at fair trade wages, education, health care, and avenues for building sustainable communities. Haiti Projects is located in the town of Fond des Blancs, Haiti.

The small region of Fond des Blancs can be viewed as a microcosm, exhibiting all of Haiti's problems: soil erosion, deforestation, high birth rates, high infant and maternal mortality rates, hunger and malnutrition, a broken education system and 70% unemployment.

In October of 2016, Hurricane Matthew hit the southern peninsula of Haiti where Fond des Blancs is located. Heavy rains and high winds caused flooding and damage to many buildings. Some of the most common damage included roofs blowing off or caving in, leaving people without adequate shelter, and in some cases causing injury from falling debris.

A recent survey by Build Health International (BHI) indicates that the destruction post hurricane Matthew in Fond des Blancs was significant with 72% of crops destroyed, 1,678 homes destroyed (a total of 10%) and 7,859 homes damaged (45%). Furthermore, 73 (47%) community buildings were damaged and it is estimated that \$200,000 in livestock losses were sustained.

Hurricane Tie Project Proposal:

We are requesting a grant from to assist the people of Fond des Blancs to secure roofs to their homes. We propose to accomplish this by conducting an existing building and construction practice survey in Fond des Blancs and based upon this survey, devise a simple method and supply the necessary hardware to secure 50 roofs in the community as a test case for the project.

Through the Haiti Project's community library, we are able to educate the local population on various topics. We propose to host community lectures and training/demonstration days to demonstrate and train local carpenters on how to install roof tie-downs and to educate the community on the importance of tying down roofs. We are fortunate to be able to tap into other

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Empower a Woman, Raise a Family, Lift a Village
237 Broadway, Hanover MA 02339*

international organizations (Food for the Poor and Build Health International) that have local building experience to assist us with demonstrations and lectures.

We will follow-up the training and demonstrations with voluntary installation inspections for anyone who attends the training and receives the hardware. We will also create a simple brochure to be translated into Haitian and distributed throughout the region.

Working with the Community:

Haiti Projects has over 24 years of experience working on the ground in Fond des Blancs, Haiti along side the community. Indeed Haiti Projects is part of the fabric of the community, and we hire over 100 people from the area to work with our organization. As part of what we do, Haiti Projects runs a community library that serves over 700 youth each month. Our library is our way of working with and for the community. Without community engagement and leadership in any project, Fdb will remain a place where solutions to problems come from the outside in, rather than from the inside out. The Community needs to learn what assets it has and be able to map these assets as it moves forward. It needs to help outsiders learn how to build on what is already working within the community instead of trying to implement ideas from the outside. The library is a place to begin these types of conversations with the community and will be way that information about hurricane ties and hurricane preparation will be disseminated to all through lectures, and hands-on trainings of local carpenters and community members.

What We Have Tracked: Haiti Projects' prides itself on being able to collect and track the dollars and impact on all of its projects. From our surveys post Hurricane Matthew, it became clear that adequate notice about the impending hurricane was not available to residents. They lacked information on the severity, track and importance of preparation. Many community members let us know that even if they had had adequate warning, they did not have the resources to store food and water in preparation. Many also explained that they didn't have the resources to secure roofs and/or fix them post-hurricane. Haiti Projects has photographed homes, videotaped stories from our artisans about where they were and how they prepared. We also created a list of a sample of people affected by the hurricane, documenting the type of roof damage sustained throughout the region. Furthermore, by working with partners, we have maps of hurricane damage, building inventory, among other data collected.

Furthermore, while we were able to raise funds to fix and repair many roofs, it became very clear that these roofs, even fixed, were not adequately secured in preparation for the next hurricane. As such, even those we were able to help, remain vulnerable to the next big storm.

Data Collection for the Project:

This project will build on our data and our analysis from the storm, as follows:

- Survey of roof damage
- Number of people educated about the importance of tying down roofs through community meeting and library lecture sessions.
- Number of people trained to tie down roofs.
- Number of roofs secured.
- Map locations of roofs secured in the region
- Number of roofs correctly secured.

Outcomes of the Project:

1. Develop simple design for tying down roofs in the Fond des Blancs region, based on local housing construction methods.
2. Educate community members in Fond des Blancs, especially carpenters and home owners about the importance of properly securing roofs to walls to prepare for hurricanes.
3. Train community members in Fond des Blancs, especially carpenters and home owners to install hurricane ties to homes throughout the region.
4. Follow up with a series of inspections of homes, along side carpenters and home owners once hurricane ties have been installed.

Budget for the Project:

| Activity / Materials | Cost | Description |
|---|---|---|
| Travel / Lodging / Meals / Vaccinations | \$10,800 | Three trips for CEO, Project Manager, and Engineering Intern. 1. Building Survey 2. Demonstrations 3. Inspections |
| Roof Survey | \$250 | Field Survey Equipment |
| Tie-Down / Other Materials | \$2,000 Assuming \$1.60/tie, 25 ties per building / 50 buildings* | Purchase 50 tiedown kits. Solicit donations or price reduction from US companies to provide necessary hardware, i.e. Simpson Strongtie. *May need to be revised after survey of existing roofs. |
| Demonstration / Lectures | \$1000 | Teaching materials and lecture fee, lodging for speaker |
| Follow-up Inspections | \$1200 | Food, lodging and flight |
| Report / Brochure | \$500 | Printing costs |
| Interpreter / Translation Services | \$1500 | Translation of documentation and lectures into Haitian Creole |
| Project Manager | \$3,600 | 80 hrs of JG's time to be charged to Tech Admin for time spent in Haiti. All other time will be donated by Judd. |
| Intern Stipend | \$5,000 | Time for travel, research, field work and report writing |
| Total | \$25,850 | |

Team for Project: Judd Galloway, a Senior Project Engineer from the Boston office of Thornton Tomasetti, will manage the project. A local civil engineering program in Haiti may be able to assist. Also, an engineering intern from MIT or a Haitian University will assist with the survey, development of the roof attachment, and writing a report. Haiti Projects staff will assist with logistics.

As soon as we receive notification that our grant request is approved, we would begin work immediately and endeavor to complete the project in the next 6 months, before the next Hurricane season in Haiti. Thank you for your consideration.

Very truly yours,

Cherie Miot Abbanat
CEO, Haiti Projects, Inc
Lecturer, MIT

cc: Judd Galloway