ROTARY FOUNDATION

GLOBAL GRANT PROPOSAL

Proposal - Project Title : Danli, Honduras Water Filter & Scholarship Project

Section A – Host and International Sponsor Information

Host Sponsor : Nueva Tegucigalpa	International Sponsor : Escondido Sunrise
Primary Contact : Madrid R., Rafael Eduardo [2273662] District : 4250 Club : Nueva Tegucigalpa	Primary Contact : Ponder, James A. [1572996] District : 5340 Club : Escondido Sunrise

Section B - Community Needs

(1) Describe the benefiting community including its location using any relevant geographic and demographic information.If the activity is a scholarship, enter "N/A"

The city of Danli, Honduras is approximately a 2 hour drive east of the capital city of Tegucigalpa. It is a very beautifl region with a population of approximately 50,000, including the surrounding villages. The primary industry is agriculture, although many of the rural residents survive on subsidence farming. Like many Latin American countries, Honduras is a very young country with almost 37% of the population under the age of 13 (compared to 20% in the U.S.)

Honduras is also one of the poorer countries with an estimated GDP per capita of $4200 (compared to the U.S.'s nearly $47,000) The rural villages exhibit many symptoms of generational poverty with high unemployment, high teen pregnancy rates, lack of adequate food, shelter, and clean water. Infant mortality rates are 3-4 times higher than wealthier nations. Emigration is often the goal of young men in pursuit of work.

(2) What community needs have been identified? If the activity is a scholarship, enter "N/A"

The needs of the community are many. In regards to this project, we are targeting 1) the lack of safe drinking water, 2) the difficulty of gaining secondary education, & 3) the need for employable job skills and future community leaders.
1)In regards to public health, Dysentery is one of the primary challenges as access to potable drinking water is primarily limited to water run-off captured in storage tanks. Local streams are polluted with human and cattle waste and are also used for laundry and drinking water. Although most homes have a piped water source to their home, the water source in the Linaca valley is a 20,000 gallon holding tank that is fed by a local stream. Children sick with dysentery often fall even further behind in school and contributes to their failure to matriculate to the next grade level.
2)Public education is provided but only up to the 8th grade in the rural areas. If students wish to attend high school, they must commute to the city of Danli. They are responsible for the cost of transportation, ($30 a month) which is prohibitive, as well as other school fees. Because of these costs, it is estimated most families discontinue their children's education after the 3rd grade and put their children to work in the fields or coffee plantations. Without an education, there is little opportunity of breaking out of the cycle of generational poverty.
3) Since there are few employment opportunities for young people who lack education, they are forced to survive on subsidence farming or migrate to the city in search of employment. This often leaves the villages and rural communities void of entrepreneurs and community leaders who have the heart and ability to enhance their communities.

(3) How are these needs currently being addressed with local resources and/or government agencies, NGOs, etc? Summarize the proposed activity(ies).If the activity is a scholarship, enter "N/A"

In regards to safe drinking water, the Danli Rotary club and Pure Water for the World has overseen the installation of approximately 8500 CAWST bio-sand filters in the last 10 years in the Danli area at a cost of approximately $250,000. Pure Water for the World, and NGO started by a Rotarian from the U.S. has been intimately involved in this implementation and is the local expert in this field.

However, there have been questions as to the success of these bio-sand filters as a random sampling of 250 filters in the Linanca areas showed that as many 25% were either not functioning or not being maintained properly. IN 20122, in conjuction with World Resources Group, a $13,000 DSG was provided to scholarship 60 teens under WRg's tutelage to survey, assess the function of these filters. In October of 2011, a group of Rotarians from the U.S., including Prof. John Dracup from UC-Berkeeley, his doctoral student John Ericson, three of his undergrad students, and Rotarians from Escondido, CA and Wisconsin evaluated the progrss of the 60 teens in surveying. It was discovered the teens had not only surveyed the communities, but under the guidance of Jose Martine, the El Paraiso Health Official, were also educationg the homeowners on the proper use and maintainence of the bio-sand filters.

The Danli Rotary club has also provided local assistance for children in Danli to attend school in the form of school supplies and uniforms.

World Resources Group, a U.S. NGO, has provided social services to the village of Linaca for the past 11 years in the form of education tutoring, mentoring, nutrition, and health services. Its community center in Linaca provides afterschool programs to encourage families to keep their children in school while addressing the overall needs of the community such as water issues, sanitation, transportation, and community development.

Section C - Activity Description

(1) Summarize the proposed activity(ies)

The Linaca Center operated by World Resources Group requires its teens to volunteer 10 hours a week of community service in order to be eligible for scholarship assistance to attend high school. With Pure Water for the World, the teens will be mentored and supervised how to further conduct detailed surveys with maps, questionnaires, and educational materials and do basic maintenance on the bio-sand filters.
6-8 university students from these villages who will be thoroughly trained by PWW to conduct surveys, do maintenance and educate the homeowners according to PWW's standards. These students are required to volunteer 30 hours a week in the Linaca Center as peer mentors. In addition to their tuition being paid, they will receive a $100 educational stipend to allow them time to be involved in this project.
The approximate high school and middle school aged 130 teens will be divided up into 6-8 member brigades, led by the university students, that will divide the region into manageable units. These students have already completed a 4 day seminar under Professor John Dracup of WASRAG and UC-Berkeley who led a team of UC-Berkely graduate students to Linaca to conduct this 4 day seminar on the design, construction and maintenance of the bio-sand filters. 15 Cawst bio-sand filters were purchased locally in Danli for on-hands instruction.
In return for the teens' valuable work of rehabilitating the previously installed Cawst filters by the Danli Rotary club, their educational expenses of transportation, books, uniforms and school fees will be paid for by this grant. World Resources Group will keep accurate records as to their school attendance and grades , as well as the progress of their survey and assessment of the filters. Pure Water for the World will offer their expertise in ensuring the teens adhere to the proper standards of bio-sand filter usage.

A key aspect of this project is that the teens gain real world experience in team and leadership development.

(2) List any Cooperating Organization(s) or University(ies) involved in the proposed activity(ies).

World Resources Group
509 Flamingo Drive
West Palm Beach, Florida 33401
Phone 561-758-2198

Pure Water for the World, Inc.
PO Box 55
Rutland, VT 05702
Phone: 802-747-0778
Fax: 802-773-8575

(3) Describe how the benefiting community(ies) will be involved in the activity(ies).If the activity is a scholarship, enter "N/A"

(4) Has the benefiting community(ies) confirmed that they would like this activity(ies) to take place?

Yes

(5) Proposed Start Date : 01 Jun 2012

(6) Proposed Completion Date : 31 May 2013

Section D – Area of Focus

(1) With which area(s) of focus is the proposed activity aligned?

Peace and Conflict prevention/resolution - No
Disease Prevention and Treatment - No
Water and Sanitation - Yes
Maternal and child health - No
Basic education and literacy - Yes
Economic and community development - Yes

(2) Describe how the activity(ies) will address the goal(s) of the Area of Focus

Water & Sanitation: It has been discovered that the Bio-sand filters installed over the past 10 years are not being utilized to their potential. An initial sampling showed as many as 25% of homeowners lacked knowledge on how to use and maintain the filter correctly or had simply stopped using it. This project uses the local teens, who are familiar with the culture and its issues, to instruct and follow-up with the local residents on the benefits and importance of clean drinking water for the health of the families and communities. Education & Literacy: The teens enrolled in this project are from remote villages 10-25 km outside of Danli. Almost all of these teens simply could not afford to attend high school in Danli and therefore dropout of school before the 8th grade. This project allows them an opportunity to earn a scholarship. Thru WRG, the teens are daily held accountable and must meet the project requirements as well as passing grades and attendance standards. Economic and Community Development: Teens from these remote villages are rarely given the opportunity to gain marketable job skills. Economic development is thus extremely limited due, in large part, to the lack of a skilled workforce. This project teaches the teens valuable job skills in project management, water and sanitation issues, team building, and community leadership. Under the mentoring of the health department, water board, Rotarians and WRG, the teens are gaining access to influential members of the community. The door-to-door surveys and interaction are teaching them valuable social skills, mapping, gathering and reporting data, and implementing an action plan furthers prepares them for future job opportunities. In terms of community development, this project ensures clean water, which in turn allows for participation in education opportunities. It also allows for the community to take responsibility for its own health as it engages members from their community to do the project.

Section E – Project Outcomes

(1) What are the immediate and long term outcomes of the activity?

The obvious immediate outcome is safe drinking water for the members of the community and becoming their own experts of water issues.
The long term outcomes are not only the long term benefits of clean drinking water. This project allows access to higher education that otherwise would not be attainable for these remote villages. It challenges the youth to be leaders in their communities and to have the a greater awareness of its needs.
The project is also unique in this culture as it discourages the cycle of dependency and entitlements. It requires the youth to earn their education and rewards hard work. One of the main goals is to change the mindset of generational poverty that their future is hopeless and they are the victim of circumstances. This project will hopefully teach the teens and their community that they can take responsibility for their own community and future.

(2) Explain how all involved parties will act to ensure the sustainability of the activities and/or outcomes.

The Nueva Tegucigalpa Rotary Club will ensure support from community and government leadership such as the health department and water board. Maria Inestroza is a member of this club as well as the Country Director for Pure Water for the World.
World Resources Group will coordinate the project. The necessary funds will be paid through them as they will keep detailed receipts and expense reports. They will mentor and hold the teens accountable for every aspect of the water filter assessment and maintenance. They will keep a roster of all teens involved as well as their school progress. They will also coordinate with the local community leaders.
Pure Water for the World will offer their expertise in training 6-8 university students to be community agents. PWW has offered to put these students through their 2 day training seminar and to provide continual support and education for this project.

Rotarians from the U.S. will be intimately involved on several levels. David Hataj, a Rotarian from Edgerton, WI is also a board member of World Resources Group and will oversee all financial transactions and the general coordination of the project. Professor John Dracup of UC-Berkeley has offered to further train and oversee the education of the teens on bio-sand filters.

Section F – Budget

(1) Currency / Exchange Rate

Name of Local Currency : USD

Current Exchange Rate : 19.0700

Date Exchange Rate Entered : 31 Mar 2012

(2) Budget Details

Budget Item	Supplier/Vendor	Amount in Local Currency	Amount in USD
$100/month educational stipend for 10 university students. These students are the team leaders for the teen brigades.	World Resouces Group	190700.0000	10000.0000
Biosand Filter Materials - 200 Filters at a cost of $50 each = $10000 These material are required to recharge and possibly replace damage filters.	To Be Determeined	190700.0000	10000.0000
Bus Transportation: 242 miles/week x 43 weeks @ $1.25/mile =	World Resourcea Group owns the bus. Expenses include the driver's salary, diesel, and maintainence.	248000.0000	13005.0000
Scholarship School Supplies: Books, Uniforms, paper, pencils, art supplies, school fees	World Resources Group buys from a variety of local suppliers and pays fees to the local schools.	476750.0000	25000.0000
Transportation Costs for Pure Water for the World	Local Vendors to be Determined	10000.0000	524.0000
University Tuition for 10 students	Honduras Free University	429075.0000	22500.0000

Budgeted Total in Local Currency : 1545225.0000

Budgeted Total in USD : 81029.0000

Section G – Financing

(1) DDF Amount in USD : 25000.0000

(2) Rotarian Cash Amount in USD : 21000.0000

(3) Additional outside funding in USD :
Maximum Rotary Foundation : 35500.0000

(4) Requested Rotary Foundation (TRF) Match in USD : 35029.0000
Computed Total Financing in USD (Cash+DDF+Match) : 81029.0000