



New Program/1st Project Application Form for EWB-USA

EWB-USA requires at least a 5-year Program commitment to the communities in which our chapters work. Within each Program there may be one or more projects. This application is for new Programs and the first project within that Program (chapters submitting new projects within an existing Program, please submit a 501B – Continuing Program Application).

- If the submitter is an NGO or community (without a chapter affiliation), please complete sections A and B only.
- If the submitter is a chapter of EWB-USA, please complete all sections.

Note: EWB-USA does not provide cash donations or grants to communities.

Application review process:

Applications are submitted on the first of each month to the Application Review Committee (ARC), who reviews the application and makes the final decision. *Note: The review process will take 4-8 weeks, during which time the submitter may be contacted with questions.*

- 1) If this application is approved and has not been adopted by a chapter, it will be placed on the EWB-USA website for adoption. Note: The adoption process can take several months, and some projects are not adopted by chapters.
- 2) Once the program is approved and a chapter has been approved to adopt it, the chapter should contact the community or NGO and begin to plan the first assessment trip.

Once the application is approved and has been adopted by a chapter:

- 1) The chapter travels to the community for an assessment trip (Prior to travel, the pre-assessment report must be approved by an EWB Project Manager – See the EWB-USA website for submission deadlines).
- 2) Upon return, the chapter submits a post-assessment report.
- 3) The chapter designs the project, incorporating community input in the design process.
- 4) The chapter may return to the community for a second assessment trip to discuss design alternatives with the community (Prior to travel, the assessment plan must be approved by an EWB Project Manager).
- 5) The chapter travels to the community to implement the design (Prior to travel, the pre-implementation report must be submitted. The Technical Advisory Committee (TAC) must approve the design prior to departure).
- 6) The chapter submits a 501B - Continuing Program Application, prior to beginning the next project within the Program.

What we are looking for in EWB-USA Programs:

- 1) The Program's mission is well defined and in-line with EWB-USA's mission.
- 2) The Program and each project within the Program can realistically be developed by a group of volunteers.
- 3) Each project cost is reasonable for the chapter to fundraise.

- 4) The Program will benefit the entire community and will not discriminate against members of the community.
- 5) There is community involvement and participation in all phases of the program.
- 6) The community is willing and able to contribute to each project within the program in the form of: labor, materials, food, lodging, funds, etc.
- 7) There is an existing or potential in-country partner organization, such as a Non-Governmental Organization (NGO), community organization, and/or local committee.

Travel Safety Procedure:

- EWB-USA will not approve new programs or allow travel to any country or areas within a country rated at “Extreme Risk” by the ISOS Country Risk Guide.

As of May 2010, this includes: **Afghanistan, Iraq, and Somalia.**

- EWB-USA will not approve new programs to any country rated at “High Risk” by the ISOS Country Risk Guide.

As of May 2010, this includes: **Algeria, Chad, Congo (DRC), Guinea, Guinea-Bissau, Haiti, Ivory Coast, Liberia, Pakistan, Papua New Guinea, Sierra Leone, Sudan, Yemen, and Zimbabwe.**

- Travel to areas within a country rated at “High Risk” by the ISOS Country Risk Guide and/or have a U.S. Department of State “Travel Alert” issued through OSAC will only be considered if the chapter can, at a minimum, demonstrate to the satisfaction of EWB-USA:
 1. That the chapter will not be spending time in high risk regions;
 2. How the chapter will adhere to International SOS Travel Security Advice;
 3. The precautions that will be taken by the chapter to mitigate risk; and
 4. How safe travel to, from, and within specified location(s) will be provided for chapter members.
- Travel to countries or areas within a country which have a U.S. Department of State “Travel Warning” issued, through OSAC, will be considered on a case by case basis and, at a minimum, must demonstrate the same criteria as stated above to the satisfaction of EWB-USA.
- EWB-USA will not allow travel to a country if UN Peace Keepers are in-country due to a threat of violence.
- EWB-USA will not allow travel to a country if major airlines have pulled their travel operations due to security reasons.
- EWB-USA will not allow travel to any country which has no diplomatic or consular ties with the United States. As of May 2010, this includes: **Iran, Cuba, and North Korea.**
- EWB-USA will not allow travel by a student chapter if its University/College provides an objection to their traveling. In accordance with the Student Chapter Agreements, all student chapters are also obligated to adhere to and satisfy the requirements of their university.
- Travel restrictions will be considered on a case by case basis to countries where the U.S. Peace Corps has pulled out or has been suspended due to security reasons.

Submission information:

Please email this form in MS Word format (it must be less than 1MB) to: **projects@ewb-usa.org**

SECTION A: PROGRAM

EWB-USA is committed to a long term relationship with communities. The purpose of Section A is to outline all of the important needs of the community so that chapters can achieve a broad understanding of the community. Within a program, there may be one or many projects.

A.1) Program Information

Today's Date: April 20, 2012

1) Please check one of the following boxes:

- New Program Submitted by NGO or community (no chapter has adopted the program)
 New Program Submitted by a chapter of EWB-USA (chapter has adopted the program)

2) Country: Honduras

3) Region/State: Cortes

4) Location in Country (e.g. South West Kenya, 30 miles from Tanzania): Omoa, 64 Km to the north east of San Pedro Sula

5) Community: Los Achiotos

6) Community Geographic Coordinates: *Google Earth may be used to determine coordinates. Care should be taken to get the relative direction for the latitude (E/W) and longitude (N/S). Please use N, W, S, or E as a prefix to indicate the relative direction from the equator or Prime Meridian. For example: S 44.0354, W 98.3342.*

Los Achiotos, Omoa, Cortes Honduras, Coordenadas UTM-DATUM WGS84: 376457, 1732263

7) Coordinates for the first project of this Program: UTM-DATUM WGS84: 376457, 1732263

8) Has a chapter of EWB-USA agreed to accept this program? Yes No

If Yes:

Name of Chapter(s): _____

Contact person: _____

E-mail or Phone: _____

9) Active EWB-USA Programs: Does your chapter currently have any active EWB-USA programs (circle)?

Yes No

- If Yes, list all Programs (Country, community, type)?

(Note: In general, EWB-USA limits the number of programs for each chapter to three or less for quality and funding reasons. Please contact your Chapter Relations Manager with any questions).

*** Note: If a chapter has already agreed to accept this program, please CC the chapter's faculty advisor/President via e-mail when submitting this application.**

A.2) Contact Information

Partnering Organization, Contact Information & Mission

Name of organization (required): _____Junta de Agua Aldea Los Achiotos____(Water Board for the town of Los Achiotos)

Mission of the requesting organization: ____Provide water service to the community as a community organization made up of volunteers_____

Website of organization (If applicable): _____

Name of primary contact person (required): ____ XXXXXX _____

Position/Affiliation with organization (required): ____ President _____

Contact email: __XXXXXXXXX_____

Contact phone: __XXXXXXXXXX_____

Contact address: __XXXXXXXXX_____

NOTE: Either a contact e-mail or phone number is required

Name of on-site/in-country primary project facilitator (required): __XXXXXXXXXX _____

Affiliation (required): ____ Technical Advisor _____

Contact email: ____XXXXXXXXXXXXX_____

Contact phone: __XXXXXXXXXXXXXXXXX_____

Contact address: ____XXXXXXXXXXXXX_____

A.3) Program Description

1) Program Goals and Strategy: The Program is the overall mission of your efforts in the community. There may be several projects within a single Program (One-Three paragraphs: Approximately 300 words).

- Provide background on the community and the primary needs of the community.
- What is the mission of the Program?
- Why is this Program necessary, and how will it improve the conditions of the community?
- How is this Program aligned with sustainable development efforts (as defined by the Brundtland Commission: "Development that meets the needs of the present without compromising the ability of future generations to meet their own needs")?

Los Achiotés, a community in the Omoa municipality, has an approximate population of one hundred sixty-three families that live off agriculture, commerce, and day-labor, there is electricity, a school, and a kindergarten. There is a water supply system which was built more than twenty years ago when the population consisted of thirty-five families. The water works are obsolete and can only supply twenty percent of the population's need. The current supply is realized by temporary injections applied to the system, which cannot supply water at one hundred percent due to a lack of a dam, deteriorated duct work and inadequate gauge that has outlived its shelf life. The distribution network has obsolete and damaged conduit, is thin gauge, and only supplies part of the population. In summary, the current water works are practically outdated that is why we need to build a new water works project for the community.

Due to the aforementioned need, the community with efforts from its residents and support from local organizations initiated a new water works construction project. A new storage tank with enough capacity for current demand was built and also has a projected supply for the next twenty years. Some conduit has been obtained for the ductwork and the community is willing to provide construction material found locally and unskilled labor. We ask for financial support to achieve construction of this new project because it is an urgent and high priority need for this community.

A.4) Community and NGO Support and Collaboration for the Program

*EWB-USA is **not** a funding agency. EWB-USA **partners** with developing communities to improve quality of life by providing technical assistance for the design and development of sustainable engineering projects. We expect community contribution to EWB-USA programs, as this has been found to improve Program success. Likewise, we require partnership with a **local** non-governmental organization to ensure the sustainability of the Program.*

1) Program Collaboration: Describe the local partnering organization(s) for this Program. In what capacity will they be involved? Will these organization(s) be providing financial support to the program?

- One-Two paragraphs: Approximately 100 words

The Achiotés community through the water works board of trustees will provide unskilled labor and local construction material. For the most part, the community has low income families committed to realize activities within their means, and they also collaborated with the construction of the new storage tank for such project.

2) Presence of Other Organizations: What other organizations are currently working in the community? How do your projects compliment/detract from each other?

- One paragraph: Approximately 100 words

Currently, there is only the presence of two organizations; one governmental, one non-governmental.

1. Conservation Corps of Omoa is managing the declaration of the micro basin supplying water to a protected forest area, through the PROCORREDOR project from the European Union.
2. Forestry Conservation Institute (ICF) recently realized a project consisting of basic sanitation and environmental protection by building efficient cook stoves to conserve firewood, latrines, and fountains. All of which contribute caring for the environment, avoiding further pollution and reducing further pressure on the basin's resources.

3) EWB-USA Chapter Collaboration: Will other EWB-USA Chapters be involved with this program? In what capacity will they be involved?

- One paragraph: Approximately 75 words

No other chapter is involved

4) Local University Collaboration: Are any local universities interested in collaborating with this project? If so, in what capacity will they be involved?

- One paragraph: Approximately 50 words

There is no university in the community and no assistance has been requested.

SECTION B: 1ST PROJECT OF PROGRAM

Please outline the first proposed project of the Program in Section B. Projects should be focused and well defined.

B.1) Project Description

1) Project Title: NEW WATER WORKS CONSTRUCTION PROJECT FOR THE VILLAGE OF LOS ACHIOTES OMOA

2) Project Summary: Provide a **short** overview of the scope of work of the proposed project.

- One-Two paragraphs. Approximately 75 words

The project is designed for the construction of a new water supply system for domestic use and human consumption in the Achiotes community. The current system is obsolete, damaged, and the source where the mini dam is built is outdated. The temporary injections applied to the system are only supplying twenty percent of the current demand. We need a new project that can supply the current and future population.

3) Needs Addressed: Check the specific services or needs addressed by this project. Check all that apply.

Water Supply

- Source Development
- Water Storage
- Water Distribution
- Water Treatment
- Water Pump

Sanitation

- Latrine
- Gray Water System
- Black Water System

Structures

- Bridge
- Building

Civil Works

- Roads
- Drainage
- Dams

Energy

- Fuel

Electricity

Agriculture

- Irrigation Pump
- Irrigation Line
- Water Storage
- Soil Improvement
- Fish Farm
- Crop Processing Equipment

Information Systems

- Computer Service

4) Affected Population: How many people will be affected by this project in a certain geographic region (please provide an estimated NUMBER of people affected -- not a description)

a) Directly Affected: 978

b) Indirectly Affected: 500

c) Geographic Area (5km radius, town, region etc): Los Achiotes Omoa, Cortes, Honduras

5) **Project Goals:** Elaborate on the goals of the first project. Why will you begin your Program with this project? Also, please answer the questions below ONLY if they relate to this project (One-Three paragraphs: Approximately 300 words).

- *If the project involves Water, please address the following questions:*
 - *What are the issues in the community that relate to water?*
 - *Why are you addressing a water project in this community?*
 - *What is a possible solution to the community's water problems?*
 - *Are there water rights issues that need to be considered? If so, what issues?*
- *If the project involves Energy, please address the following questions:*
 - *What will the electricity be used for?*
- *If the project involves Building, please address the following questions:*
 - *What exactly will be constructed?*
 - *How do you think that the construction project will be accomplished?*
 - *What materials do you know are available locally?*

The community's water supply comes from a nearby source through a project built more than twenty years ago, from the time it was built the population in the community has increased four hundred percent. Therefore, the current project no longer meets demand, in addition to being severely deteriorated; the production of the water source has diminished drastically. It is necessary to relocate the water source or find a new one, build a new dam, and change the distribution network. There are about one hundred sixty-three families in the community and they have a right to quantity and quality of water for their daily consumption.

6) **Solutions:** What solutions have been tried in the past to address this problem? What were the results? What are the barriers to implementing a sustainable solution to this problem?

- One-Two paragraphs: Approximately 100 words

The community has tried to have the Municipality and other organizations manage the water works project to no avail. Most of the families in the community are of modest means and are requesting financing for this project.

7) EWB-USA Role: Describe the proposed role of EWB-USA. Labor? Design? Construction oversight? What specific skills can EWB-USA offer that are not available locally? We require at least a 5-year commitment to the community. What is the proposed plan to develop relationships between EWB-USA team members and community members?

- One-Two paragraphs: Approximately 100 words

We are requesting assistance since the evaluation and design for the water works project requires skilled craft not available in the community. The relationship with EWB USA and the community will be through the Water Board who will be responsible that all activities take place under favorable conditions.

8) Budget: If an estimated project budget has been developed, please include the figures below:

	Estimated Cost
Labor	\$ 2,365.00
Materials	\$ 16,176.00
Equipment	\$ 0
Total	\$ 18,541.00

9) Program Timeline: How will the Program develop, beginning with the first project? You do not need to know all of the timeline or budgeting, but estimate as best as possible. It will help the chapter in planning the overall Program.

Project Sequence	Title	*Type(s)	Estimated Cost	Estimated # Assessments	Estimated # Implementations	Estimated Length of Time
Project #1	New water works construction project for the village of Los Achiotos		\$18,541.00			One year
Project # 2 <i>(If applicable)</i>						
Project # 3 <i>(If applicable)</i>						
Project #4 <i>(If applicable)</i>						
Total	N/A	N/A				

*Agriculture (AG), Alternative Fuels (AF), Construction (CN), Energy (EN), Environmental (EV), Ecosystem (EC), Education (ED), Information Systems (IS), Health and Safety (HS), Micro-Enterprise (ME), Sanitation (SA), Socio-Cultural (SC), Water Supply (WS), Water Treatment (WT)

10) Estimated number of years to complete Program and ensure Program sustainability:

1

B.2) Project Impacts

1) Positive Impacts: What potential positive impacts are anticipated as a result of this project? Please consider health, economic, environmental, social and cultural effects.

- One-Two paragraphs: Approximately 100 words

- Reduction in human gastrointestinal disease
- Reduction in parasites through potable water will improve children's academic performance
- Some families go through great financial burden to buy purified water to prevent disease
- Greater sense of conservation and responsibility for the forest by the water generated there
- Having an adequate potable water system provides a feeling of well-being to individuals

2) Negative Impacts: Every project has negative impacts as well as positive impacts. List negative impacts that you have considered to be potential consequences or outcomes of this project (Note: We require that you answer this question – it will reflect the level of analysis put into this project application).

- One-Two paragraphs: Approximately 100 words

- Some individuals do not attend meetings due to a lack of knowledge, and they just talk about the cost of this project with others. Every project should have a duplicate copy of deed because the community is responsible for maintenance of the project through the water works board of trustees
- Some trees will be removed where the storage tank is built

3) Reducing Negative Impacts: How will these potentially negative impacts be addressed?

- One-Two paragraphs: Approximately 100 words

- The environmental impact will be addressed through conservation efforts and planting trees.
- The water works board of trustees will be responsible for the assurance that the project work as intended, and transparency in the maintenance financed by the community.

B.3) Beneficiary Group(s) Information for Project

- 1) Primary beneficiary of project: All of the inhabitants in the village of Los Achiotes
- 2) Beneficiary Information: Describe the beneficiary group(s) in terms of ethnicity, tribal and religious affiliations, spatial organization, primary occupations and relative incomes of groups (if more than one). Are social relationships harmonious in the area where the beneficiary groups reside? What language does the beneficiary group speak?
 - One-Two paragraphs: Approximately 100 words

In the community of Los Achiotes there are Catholics, Evangelicals, and Adventists all having their own beliefs and having harmonious social relationships with each other. Their incomes are small and many of these families make only enough to meet their basic needs.

- 3) Project Ownership: Who is expected to own this proposed project? Will a committee be established? Who will manage and be responsible for the maintenance and repairs of the project? Who will cover the cost of maintenance and repairs?
 - One-Two paragraphs: Approximately 150 words

The project owner will be the community of Los Achiotes through the water works board of trustees, who will be responsible for the maintenance and repair of the project. They are committed to take on activities to cover needs and find solutions arising from the project.

- 4) Project Accessibility: Will the proposed project be freely accessible to all persons in the local area, or will it be restricted for use by certain groups? Will a fee structure be involved? Who will decide on the amount of the fees, and who will collect the fees?
 - One-Two paragraphs: Approximately 100 words

The project will benefit one hundred percent of the inhabitants in the community.

- 5) Community Support & EWB-USA's Role: What will the roles be of EWB-USA and of community members? What support will be offered by the community (labor, housing, materials, continued education, etc.)? Will the community provide any monetary contribution for the initial project costs?
 - One-Two paragraphs: Approximately 100 words

The community will offer:

- Unskilled labor
- Local building material (sand, rock)
- Lodging for EWB-USA personnel if needed
- Education on proper water usage to the community
- The community has already invested 180 lempiras in the initial phase of the project

B.4) Travel Logistics for Project

1) When to Travel: When is the best time to work in the area, considering weather, transportation access, holidays, as well as the availability of the beneficiary group(s) and NGO's facilitating the project?

- One paragraph: Approximately 50 words

Starting from the current month the area is accessible. The best time is in summer being a favorable tropical climate. Activities can be carried on year round, but the best time is from April through October.

2) Accommodations & Daily Costs: What local accommodations are available for EWB-USA team? What are estimated per day living costs for team members? Will the team stay with local community members?

- One paragraph: Approximately 50 words

There is a hotel in the nearby village of Cuyamel. Price for lodging for two people is 450 lempiras per day. Price for meals for two people is 300 lempiras daily. That is an average of \$38 for meals and lodging per person.

3) Safety Hazards: What are some hazards that may be faced by EWB-USA members traveling to this project location (health issues, transportation difficulties, weather, insects, diseases, snakes, violence, crime, land mines, etc.)?

- One-Two paragraphs: Approximately 100 words

There are not any high risk hazards. We do ask you to be careful with insects, but they do not transmit serious disease. There are snakes, but you will always be escorted by locals who know the terrain. There is no great danger with violence, but be cautious in not going out at nighttime. Generally there is no night life in the community.

4) Nearest Hospital or Clinic Location: Where is the nearest hospital or clinic approved by the **US State Department or Peace Corps**? What kind of health care providers regularly staff this facility? How far from the project site is this facility? Provide an address and phone number for the hospital or clinic.

- One-Two paragraphs: Approximately 100 words

The nearest hospital is in the city of Puerto Cortes about 30 kilometers away. Primary care is available at the Materno Infantil clinic three kilometers away in Cuyamel. There are several private clinics and hospitals in Puerto Cortes.

5) Are people from the USA and aid from the USA welcome in the proposed project area? Yes No

- 6) Have people from the USA worked in the area before? If so, who, and in what capacity?
- One-Two paragraphs: Approximately 50 words

People from the USA have not worked here, but Canadians have. Recently from Quebec and currently from Ontario.

C.3) Project Sustainability

In an effort to ensure that the proposed project is maintained and continues to serve the community long after the EWB-USA Program is complete, issues of sustainability must be addressed by the chapter.

- 1) Capacity Training: What training of local community members will be required in order to maintain and/or repair the project? What specific educational training will be offered? Will verbal or written translation be needed for this education? Who will be translating? If written materials are proposed, in what language will they be offered? Do you have information on the community's literacy level? Would pictorial materials be more appropriate?

Required training for the members of the water works board of trustees in water systems management and chlorination.

- 2) Project Maintenance and Repairs: What is the estimated cost of project maintenance? Can the community realistically be expected to cover these costs? What components could potentially malfunction and require repair? What will these repairs cost? Are the repair materials readily available locally?

The project will be maintained by the community through the water works board of trustees by a monthly user charge to each and every beneficiary.

- 3) Project Resolution: How will the community be participating in project planning? What measures will be taken to ensure that the project remains operational? How will local project facilitators manage the project?

The project stems from a need in the community. Construction for a new water system is the top priority in the community.

SECTION D: SIGNATURE & PICTURES

1) Additional Information: Please add any other information you think is relevant to this Program/project.

- One-Two paragraphs: Approximately 200 words maximum

We should acknowledge the community's efforts past and present to solve their problem as they have built the storage tank with their own resources and aid of friends. That is why the funds being requested are to build a dam, install new duct work, and change the obsolete distribution network.

2) Please add pictures that may be helpful to understand the project.

- **Please add pictures as JPEG files**
- **WE WILL NOT ACCEPT PROJECT APPLICATION FILES THAT ARE OVER 2MB.**
 - (To add a picture as a jpeg, go to Edit → Paste Special, and choose "Picture (jpeg)")



Picture: Current state of dam with temporary injection and intake site for temporary injection



Picture: Current condition of conduit



Picture: Current state of tank



Picture: Current state of distribution network



Picture: Aerial view of the Village of Los Achiotes

3) Please sign and date this form:

Signature

Date

Printed Name

E-mail Address

4) Please submit this form electronically to projects@ewb-usa.org:

Attachment

1.-

Approximate material estimate for Los Achiotos Water Works Project

PRODUCTO	UNIDAD	CANTIDAD	VALOR UNIT	COSTO TOTAL	COSTO TOTAL
2 inch "T"	each	205	L. 36.00	L. 7,380.00	\$379.24
3 inch "T"	each	45	L. 46.00	L. 2,070.00	\$106.37
4 inch "T"	each	5	L. 148.00	L. 740.00	\$38.03
3 inch elbow	each	5	L. 52.00	L. 260.00	\$13.36
4 inch elbow	each	5	L. 142.00	L. 710.00	\$36.49
PVC glue	quarts	5	L. 240.00	L. 1,200.00	\$61.66
2" to ½" reducer	each	200	L. 24.00	L. 4,800.00	\$246.66
3" to 2" reducer	each	45	L. 45.00	L. 2,025.00	\$104.06
4" to 2" reducer	each	5	L. 76.00	L. 380.00	\$19.53
6" to 4" reducer	each	2	L. 130.00	L. 260.00	\$13.36
1 inch conduit	each	100	L. 82.00	L. 8,200.00	\$421.38
½ inch conduit	each	200	L. 38.00	L. 7,600.00	\$390.54
2 inch conduit	each	432	L. 205.00	L. 88,560.00	\$4,550.87
3 inch conduit	each	55	L. 470.00	L. 25,850.00	\$1,328.37
4 inch conduit	each	175	L. 740.00	L. 129,500.00	\$6,654.68
3 inch valves	each	2	L. 495.00	L. 990.00	\$50.87
4 inch valves	each	4	L. 990.00	L. 3,960.00	\$203.49
½ inch rebar	each	50	L. 220.00	L. 11,000.00	\$565.26
3/8 inch rebar	each	40	L. 120.00	L. 4,800.00	\$246.66
Gray cement	bag	100	L. 145.00	L. 14,500.00	\$745.12
TOTAL				L. 314,785.00	\$16,176.00

Note: Prices reflect actual prices in the marketplace