



## GRANT APPLICATION STEP 1 - PROJECT BASICS

**Project Title:**

Zacataloza Solar Powered Water / Composting Latrine Project

**Amount Requested:**

\$4,996.96

**WC Application Type:**

IGP

**WC Partnership Type:**

RPCV

**Project Primary Focus:**

Health

**Project Secondary Focus:**

Health, Economic Opportunity, Environment

**Accelerator Grants Competition Focus:**

**Country:**

Nicaragua

**Region/Province:**

Nueva Segovia

**District/Department:**

Nueva Segovia

**Nearest Town/Municipality:**

Ciudad Antigua

**Village/Community:**

Zacataloza

**Language/s spoken locally:**

Spanish, some indigenous dialects

**Locate the community on Google Maps (as best you can) and share the link, or tell us exactly what to search for:**

13.629137826754596, -86.35528564453125

## GRANT APPLICATION STEP 2 - PROJECT PARTNERSHIP

**A. Community Organization**

**Name of Community Organization:**

Movimiento Comunal Nacional

**Where specifically is the Community Organization based?**

Somoto, Nicaragua

**Community Organization's website or website where we can learn more about your work (if available):**

[www.mcnicaraguense.org](http://www.mcnicaraguense.org)

**What year was your community organization founded and what is its origin story?**

The Nicaragua Community Movement is a non-profit and community based organization that started as a genuine expression of the Sandinista revolution in September 1978. We participated in different activities during the 80s, for instance, the National Literacy Campaign and the national vaccination campaigns. We have worked for and with the communities where we have presence since then. We are an autonomous organization in relation to the national government, local governments, political parties, churches, etc. MCN works in the departments of Somoto and Nueva Segovia.

**What are your organization's current programs/activities?**

In Public Health: We work with a disease/illness prevention method using a popular brigade network. There are volunteer midwives that carry out the health campaign. We also work with the young population in relation to the sexual reproductive rights and as well as HIV prevention. Gender: We work for the rights of women and the most vulnerable groups of the society. Environment: Risk management: The care and the protection of the forests through a reforestation campaign. We make proposals to the local authorities in order to preserve and protect the environment. There are community plans, preparation and organization of the local committee for prevention, mitigation and attention to disasters. Water: Water harvest and catchment initiatives as well as this initiative in solar powered water systems. Community organization: We accompany the communities in their organizing according to their needs and goals.

**Is your organization legally registered?**

Yes

We have legal personality that was given to us by the Nicaragua National Assembly in 1994 by decree number 695. Our register number is: J0110000057746. The Nicaragua Community Movement in Somoto has 9 paid employees. These 9 people are paid through project grants and fees. Summary of the revenues and expenditures: 2018: Revenues: \$326,730.79. Expenditures: \$325,629.82 2019 (April the 30th): Revenues: \$77,914.74. Expenditures: \$63,179.77 Primary sources of revenue: TROCAIRE, Plan Internacional and Ayuda en Accion (Galicia)

**Does your organization have an elected governing body?**

Yes

There is an elected board that consists on 9 members with 5 substitutes. There is a national coordinator and a secretary. There is a national council formed by 60 members that is the highest authority. The decisions are made here. The 60 members of the council are coordinators from the different municipalities where the Nicaragua Community Movement is present.

**Do women hold 50% or more of the leadership positions within the organization? Please describe the number and types of positions held by women.**

No

In the bylaws of the organization, equal gender representation is not a requirement. However, gender equality is part of the vision and mission of the organization. The organization works hard to facilitate the leadership of women and young people in the communities. In Somoto, 45% of the staff are women and on the national board is 30% women.

**Has this organization ever received a cash grant or other financial award from an international organization?**

Yes

We have received grants and loans from international organizations that have presence in country. TROCAIRE: A Catholic organization from Ireland. Contact person: Ronie Zamor, email: ronie.zamor@trocaire.org Funds received in 2018: \$197,000 Plan International: contact person: Raquel Suarez, email: raquel.suarez@plan-international.org Funds received in 2018: \$20,000 Ayuda en Accion: Contact person: Martha Mora, email: mmora@ayudaenaccion.org Funds received in 2018: \$79,800

**Does your organization have a bank account with more than one authorized signatory?**

Yes

The organization has bank accounts with 3 authorized signatories. We also manage the funds for the different projects separately. We can receive international transfers.

**Is the organization affiliated with the government at any level?**

No

Our organization is not affiliated to any political party or religious denomination. We have worked for about 40 years with different political parties that have been in power. What we do is to coordinate all the activities we carry out with the branch of the government that is charge of a specific theme. For example, when we get some help for education, we coordinate with the Minister of Education, any activity related to health, we coordinate with the Minister of Health and so on.

**B. Local Leader**

**Local Leader First Name:**

Fredi

**Local Leader Middle Name:**

Osman

**Local Leader Last Name:**

Flores

**Local Leader Date of Birth:**

01/24/1970

**Local Leader Gender:**

Male

**Local Leader Local Address:**

Frente Iglesia Católica el Guayabo Somoto Madriz - Nicaragua

**Local Leader Email:**

freddyfloresmcn@yahoo.com

**Local Leader Phone:**

505 86147686

**Local Leader's Highest Level of Education:**

Graduate Degree

**Please provide a rationale for why the Local Leader is qualified to lead this project, listing any additional relevant experience, skills or certifications:**

Fredi Osman Flores grew up in a rural community similar to those he now serves. He received a degree in Social Work from the National Autonomous University of Nicaragua (UNAN-Leon), In 1992 he worked for an organization called ADRA, as a community promoter doing a nutrition, weight and height campaign. I also worked with pregnant women. Fredi has worked for the Nicaragua Community Movement since 1995 where he has played different roles as facilitator, coordinator of the health commission, and as a leader of different social, environmental, economic program. Today, Fredi is the director of the Nicaragua Community Movement In Somoto. During these years, Fredi has worked with many communities and with people of different political and religious beliefs and nationalities. He has earned recognition (diplomas) from USAID, the Nicaragua red cross and the Universidad del Norte from Nicaragua for the work he has done and for participating in different trainings. Fredi has participated in a training about Effectiveness, Fairness and Respect in relationship to girls, boys and adolescents.

**Have you ever received a cash grant or other financial award from an international organization?**

Yes

We have received grants and loans from international organizations that have presence in country. TROCAIRE: A Catholic organization from Ireland. Contact person: Ronie Zamor, email: ronie.zamor@trocaire.org Funds received in 2018: \$197,000 Plan International: contact person: Raquel Suarez, email: raquel.suarez@plan-international.org Funds received in 2018: \$20,000 Ayuda en Accion: Contact person: Martha Mora, email: mmora@ayudaenaccion.org Funds received in 2018: \$79,800

**C. Established Field Partner**

**First Name:**

Jessica

**Middle Name:**

L.

**Last Name:**

Trimble

**Date of Birth:**

06/27/1978

**Gender:**

Female

**Local Address:**

2332 Broadway, Indianapolis, IN 46205

**Email:**

jltrimble@gmail.com

**Phone:**

317-504-2471

**Highest Level of Education:**

Graduate Degree

**Please provide a rationale for why the established field partner is qualified to participate in this project, listing any additional relevant experience, skills or certifications:**

Jessica was a Peace Corps volunteer in the department of Nueva Segovia, Nicaragua during 2002-03. She returned to work for three years with Timmy Global Health on sustainable public health programs in Latin America. In 2007, she became the Communications Director for Indiana Disability Services, but continued to care and invest in Nicaragua. In 2015, she began volunteering with Companion Community Development Alternatives, which

had begun work in the Nueva Segovia region of Nicaragua. In 2017, she joined the Board of CoCoDA as she saw CoCoDA's commitment to sustainable, collaborative projects in the communities she had worked with as a Peace Corps volunteer. CoCoDA is presently involved with education, public health, and water and sanitation projects in the regions of Somoto and Nueva Segovia, Nicaragua. Being involved with CoCoDA has given Jessica both the opportunity to reengage in and support such efforts. It is through CoCoDA that Jessica was introduced to the work and expertise of MCN as a credible and community driven local NGO.

**Have you ever received a cash grant or other financial award from an international organization?**

No

**How long have you been living and/or working in the primary project site?**

2002-03 with reengagement in 2015 through CoCoDA.

**When do you expect to no longer be living and/or working in the primary project site?**

Through CoCoDA, Jessica hopes to remain engaged with Nicaraguan communities and MCN indefinitely.

## GRANT APPLICATION STEP 3 - PROJECT DESIGN

**When will this project start and what is its estimated duration in months?**

June of 2019 with an estimated implementation of three months.

**What is the proposed project, and how will it be implemented? Who will it benefit directly, and why is it important to them? Be specific, we need to clearly and practically understand what you intend to do with a grant from World Connect.**

This project involves the building of a solar powered water system for the community of Zacataloza in rural Nueva Segovia. The project will make potable water accessible to about 40 families and nearly 200 people. This is a community that has never had clean, accessible water and only received electricity ten years ago. The community has identified this project as high priority and anticipates improved public health as well as a decrease in the hours spent by women and children in obtaining water. This grant will help pay for the solar panels, pump and electronic controller for the solar energy system. MCN has worked with the local government to collaborate with CoCoDA in raising the \$68,000 necessary for the completion of this project.



Residents will supply much of the manual labor for this project. MCN and local government are contributing about \$11,500 in cash to the project as well as engineering and training expertise..

**Please provide a description of the affected community/ies as it relates to this project. Focus on characteristics such as the number of people and households, climate and topography, distance to the nearest schools and health facilities, sources of local employment/income, and tell us about any marginalized populations locally.**

Zacataloza has about 40 families and 200 people, though population can fluctuate according to how many men are working outside the community. Most community members are sustenance farmers who supplement their incomes by working in local cities or in the coffee harvest. Average monthly income is about \$130 a month. The community is a mixture of indigenous and Spanish heritage and was a community adversely impacted by the Contra War. Zacataloza is literally at the end of the road in a mountainous and heavily forested area of northern Nicaragua. While the land is lush and water plentiful, the community is built on a rocky ridge above a valley with community farms and several small springs. In 2014, CoCoDA assisted the community in building their first two room school. In 2016, we began a composting latrine initiative. Through these projects, the community has built capacity is seems prepared to manage a water system. In 2017, the community worked with CoCoDa to establish a scholarship program that helps transport local children to the nearest high school, about two hours away.

**Please describe daily life for the individuals who will participate in your proposed project.**

A typical day in Zacataloza begins before dawn when women and children travel down the hill to local springs to bathe, wash clothes and carry water back to their homes for cooking and drinking. Men either work in their fields or are absent working in local cities or in the coffee harvest making cash for their families. Most men try to return home for the weekend, but this can often be a six hour trip depending where they work during the week. Children attend school for 2-4 hours a day and are taught in a two room school house. While the homes have electricity, they are mostly constructed of wood and clay bricks. Cooking is over an open flame. Only about 50% of the homes have latrines. Families raise chickens, goats and pigs to supplement their diet. While the community is poor, they are well organized with a community directiva as well as a disaster response committee and a education committee.

**How was the project determined as a priority by the community? Please specify how women were involved in this process.**

This project was identified by the community as a priority in 2014 in a community meeting. It was identified as the highest priority other than education. For this reason, the first collaborative project in Zacataloza was the building of their school. This project allowed CoCoDA to evaluate and support local leadership. The local leadership team is made up of three women and two men with the community leader being Dona Coco, a ardent feminist who is

both the leader and only female member of the disaster committee. Dona Coco is also the community nurse and the leader of the education committee.

**Describe in detail the roles and responsibilities of each of the key actors below in the design and implementation of the project.**

**Community Organization: Movimiento Comunal Nacional**

MCN will work closely with engineers from the Municipality to administer the project, acting as the fiscal agent and helping the community to organize their labor. MCN will maintain all the accounting for the project as well as train the water board that will administer the water system. Once the project is complete, they will accompany the community as they troubleshoot the system and implement their sustainability plan.

**Local Leader: Fredi Flores**

Fredi will serve the primary administrator of the project, though some training and engineering functions will be handled by his staff. Fredi will prepare and submit all financial and narrative reports.

**Established Field Partner: Jessica Trimble**

Jessica, through CoCoDA, has and will assist MCN in identifying financial resources in North America for the project. She will be involved in evaluation and reporting, having oversight of the successful completion of the project.

**Community Members:**

Community members have and will be involved in all of the planning, implementation and maintenance of the project. Four to five community members have been elected to serve on the water board to administer the water treatment regimen as well as collect and administer the small fees each family will pay for access to the system. They will be responsible for maintaining a bank account with sufficient funds to replace the pump and pay for water treatment. Additionally, community members will be responsible for digging the entire distribution system from spring to distribution tank to each home. This will involve almost two miles of shallow ditching.

**Describe in detail the roles and responsibilities of each of the key actors below in *managing and ensuring transparency of the finances* for the project.**

**Community Organization: Movimiento Comunal Nacional**

MCN will have the funds for the project released in several phases and be required to document and report all expenses for each phase prior to receiving the funding for each subsequent phase. MCN has provided the project budget by which all expenses will be measured. These reports will be available to all funders as well as to the community leaders.

**Local Leader: Fredi Flores**

Fredi Flores, as MCN director, will have chief responsibility for all expenditures, accounting and reporting.

**Established Field Partner: Jessica Trimble**

Jessica Trimble, through CoCoDA, will review all MCN reports and determine when to release each additional installment of funding.

**Community Members:**

Community members will meet with MCN periodically to review finances and expenditures.

**How does the project build upon the efforts of the local community and/or other locally-led groups, such as neighborhood associations, women's groups, health clinics, local government, etc., which are not the listed Community Organization partner on this application?**

In addition to the previously mentioned partners, the Municipality of Ciudad Antigua has offered both cash and in-kind support for this project, including transportation of materials to the community. Local public health workers are involved in community trainings and will assist the community in testing their water periodically was the system is operational.

**What are your sustainability strategies for this project? For example, five years from now, what will remain, who will be responsible for what remains, and what ongoing costs do you foresee?**

The locally elected water board will be responsible for the project and will use a sustainability plan used successfully by CoCoDA in many previous Central American projects. This plan involves water metering at all homes, pro-rated payments by all families, periodic community meetings to report on water system issues and finances and the maintenance of a saving account for future repairs or expansions. MCN will meet with the Water Board quarterly to assist or troubleshoot. CoCoDA will evaluate the vitality of the project annually. All CoCoDA assisted water projects are still in operation today (some with almost 20 years of operation). Because this project is solar powered, the community actually owns a small public utility with less

possibility of interference from outside forces or disasters.

**How does the community, particularly women, define success for this project? Please list their three most important success indicators. Describe how each of these indicators will be measured and by whom.**

Success is defined as... 1. A fully operational system bringing water to every family in the community. This will be measured by universal access and by developing a pro-rated payment system that allows every community member to contribute to the maintenance of the system. The water board will measure and maintain this goal. 2. Freed time. Families will be freed from approximately 20 hours each week of water related labor. 3. Decreased public health issues. Families will experience less gastro-intestinal issues. Local public health leaders will be measuring public health outcomes before and after the project as well as monitoring upticks of negative health outcomes as indicator of water treatment issues.

**What will be the impact of your project on the community, and specifically on women? What will it change for the community, and specifically for women?**

The women of Zacataloza will be the primary beneficiaries of this project since the responsibility of using and obtaining water has fallen primarily on them. The project will free women (and children) to use these hours for education, parenting, other household obligations, gardening and entrepreneurial endeavors.

**Is there anything else we should know that will help us in make a decision about partnering on this proposed project?**

CoCoDA brings a well tested formula to these efforts. This is not a pilot project, but a replication of a high successful process and system.

## GRANT APPLICATION STEP 4 – PROJECT BUDGET

Exchange Rate

1 USD = 32.92 Nicaraguan Cordoba (NIO)

## Budget Summary

| Category                               | Grant Request (USD) | Community Cash (USD) | Community In-Kind (USD) |
|--|---------------------|----------------------|-------------------------|
| Labor                                  | \$0.00              | \$0.00               | \$5,529.68              |
| Equipment                              | \$0.00              | \$0.00               | \$0.00                  |
| Materials/Supplies                     | \$4,996.96          | \$11,504.31          | \$0.00                  |
| Equipment/Materials/Supplies Transport | \$0.00              | \$0.00               | \$0.00                  |
| Land/Venue Rental                      | \$0.00              | \$0.00               | \$0.00                  |
| Travel/Per Diem/Food/Lodging           | \$0.00              | \$0.00               | \$0.00                  |
| Other                                  | \$0.00              | \$0.00               | \$0.00                  |
| Total:                                 | \$4,996.96          | \$11,504.31          | \$5,529.68              |

## Budget Details

| Description                          | Category           | Unit Cost (local) | Quantity | Total Cost (local) | Grant Request (local) | Community Cash (local) | Community In Kind (local) | Grant Request (USD) | Community Cash (USD) | Community In Kind (USD) |
|--------------------------------------|--------------------|-------------------|----------|--------------------|-----------------------|------------------------|---------------------------|---------------------|----------------------|-------------------------|
| Preparation of Pump House site       | Labor              | 10317.00          | 1        | 10,317.00 NIO      |                       |                        | 10317.00                  | \$0.00              | \$0.00               | \$313.40                |
| Construction of Capitation Tank      | Materials/Supplies | 118610.00         | 1        | 118,610.00 NIO     |                       | 118610.00              |                           | \$0.00              | \$3,602.98           | \$0.00                  |
| Construction of the Pump House       | Materials/Supplies | 260112.00         | 1        | 260,112.00 NIO     |                       | 260112.00              |                           | \$0.00              | \$7,901.34           | \$0.00                  |
| Preparation of Solar Array site      | Labor              | 2960.00           | 1        | 2,960.00 NIO       |                       |                        | 2960.00                   | \$0.00              | \$0.00               | \$89.91                 |
| Digging Distribution Lines           | Labor              | 150000.00         | 1        | 150,000.00 NIO     |                       |                        | 150000.00                 | \$0.00              | \$0.00               | \$4,556.50              |
| Water pipe                           | Materials/Supplies | 459400.00         | 1        | 459,400.00 NIO     |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Valves                               | Materials/Supplies | 48200.00          | 1        | 48,200.00 NIO      |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Painting of Distribution Tank site   | Labor              | 18760.00          | 1        | 18,760.00 NIO      |                       |                        | 18760.00                  | \$0.00              | \$0.00               | \$569.87                |
| Excavation of Distribution Tank Site | Equipment          | 78804.00          | 1        | 78,804.00 NIO      |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Construction of Distribution Tank    | Materials/Supplies | 489690.00         | 1        | 489,690.00 NIO     |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Meters                               | Materials/Supplies | 60200.00          | 1        | 60,200.00 NIO      |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Solar Panels (14)                    | Materials/Supplies | 107662.00         | 1        | 107,662.00 NIO     |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Pump, Invertors, Controllers         | Materials/Supplies | 177643.00         | 1        | 177,643.00 NIO     | 164500.00             |                        |                           | \$4,996.96          | \$0.00               | \$0.00                  |
| Solar Installation Labor             | Labor              | 37247.00          | 1        | 37,247.00 NIO      |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Solar Accesories and Cable           | Materials/Supplies | 155810.00         | 1        | 155,810.00 NIO     |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Value Added Tax                      | Other              | 71835.00          | 1        | 71,835.00 NIO      |                       |                        |                           | \$0.00              | \$0.00               | \$0.00                  |
| Totals:                              |                    |                   |          | 2,247,250.00       | 164,500.00            | 378,722.00             | 182,037.00                | 4,996.96            | 11,504.31            | 5,529.68                |

## Community Cash Contribution

| Description                        | Local Currency | USD        | Expected Source of Funds       |
|------------------------------------|----------------|------------|--------------------------------|
| Preparation of Pump House site     | NIO            | \$0.00     |                                |
| Construction of Capitation Tank    | 118610.00 NIO  | \$3,602.98 | Municipality of Ciudad Antigua |
| Construction of the Pump House     | 260112.00 NIO  | \$7,901.34 | Municipality of Ciudad Antigua |
| Preparation of Solar Array site    | NIO            | \$0.00     |                                |
| Digging Distribution Lines         | NIO            | \$0.00     |                                |
| Water pipe                         | NIO            | \$0.00     |                                |
| Valves                             | NIO            | \$0.00     |                                |
| Painting of Distribution Tank site | NIO            | \$0.00     |                                |

| Description                          | Local Currency | USD    | Expected Source of Funds |
|--------------------------------------|----------------|--------|--------------------------|
| Excavation of Distribution Tank Site | NIO            | \$0.00 |                          |
| Construction of Distribution Tank    | NIO            | \$0.00 |                          |
| Meters                               | NIO            | \$0.00 |                          |
| Solar Panels (14)                    | NIO            | \$0.00 |                          |
| Pump, Invertors, Controllers         | NIO            | \$0.00 |                          |
| Solar Installation Labor             | NIO            | \$0.00 |                          |
| Solar Accesories and Cable           | NIO            | \$0.00 |                          |
| Value Added Tax                      | NIO            | \$0.00 |                          |

## Community In Kind Contribution

| Description                          | Local Currency | USD        | Describe Community In Kind Contribution                          |
|--------------------------------------|----------------|------------|--|
| Preparation of Pump House site       | 10317.00 NIO   | \$313.40   | Digging and leveling the area designed for the pump house        |
| Construction of Capitation Tank      | NIO            | \$0.00     |  |
| Construction of the Pump House       | NIO            | \$0.00     |  |
| Preparation of Solar Array site      | 2960.00 NIO    | \$89.91    | Clearing trees and leveling area for the solar array             |
| Digging Distribution Lines           | 150000.00 NIO  | \$4,556.50 | Digging about two miles of trenching for the distribution system |
| Water pipe                           | NIO            | \$0.00     |  |
| Valves                               | NIO            | \$0.00     |  |
| Painting of Distribution Tank site   | 18760.00 NIO   | \$569.87   | Sealing and painting of the distribution tank                    |
| Excavation of Distribution Tank Site | NIO            | \$0.00     |  |
| Construction of Distribution Tank    | NIO            | \$0.00     |  |
| Meters                               | NIO            | \$0.00     |  |
| Solar Panels (14)                    | NIO            | \$0.00     |  |
| Pump, Invertors, Controllers         | NIO            | \$0.00     |  |
| Solar Installation Labor             | NIO            | \$0.00     |  |
| Solar Accesories and Cable           | NIO            | \$0.00     |  |
| Value Added Tax                      | NIO            | \$0.00     |  |