

Global Grant Application

GRANT NUMBER
GG2123673

STATUS
Approved

Basic Information

Grant title

Improving Clean Water Access in Pignon Haiti

Type of Project

Humanitarian Project

Address community needs and produce sustainable, measurable outcomes

Primary Contacts

Name	Club	District	Sponsor	Role
Christine Isham	Lake City	6940	District	International
Moussanto Dantil	Pignon	7020	Club	Host

Committee Members

Host committee

Name	Club	District	Role
Ditoine Alcenat	Pignon	7020	Secondary Contact
PIERRE LOUIS JOIZIL	Pignon	7020	Secondary Contact
Martines Rene	Pignon	7020	Secondary Contact

International committee

Name	Club	District	Role
Jan Pooley	Fort Walton Beach	6940	Secondary Contact International
Ted Kirchharr	Pensacola Suburban West	6940	Secondary Contact International
David Rauch	Mid-Bay Bridge (Choctawhatchee Bay)	6940	Secondary Contact International

Do any of these committee members have potential conflicts of interest?

No

Project Overview

Tell us a little about your project. What are the main objectives of the project, and who will benefit from it?

This grant will improve residents' daily access to safe water and better hygiene and sanitation by modernizing an old community water system, replacing equipment that relies on costly fossil fuel with solar power, and installing solar power, and reducing water loss and waste that make the water system financially and functionally unsustainable. It will incorporate new equipment and digital technology and provide skill training and other resources to improve capabilities of local water system personnel. These improvements will increase the reliability of the Pignon water system and allow expansion of clean water delivery to more households in this area. This process will enable the community water system to become cash-positive and self-sustaining from productivity and revenue perspectives.

Specifically, we will replace the old, unreliable pump and generator, install a solar array and controllers to power this equipment, make repairs to the pump house to improve safety and security, and add a backup generator. This part of the project will have immediate impact by increasing system reliability and reducing operating costs. We will also install equipment to create water distribution zones that can be separately monitored and controlled to detect leaks and make repairs without shutting down the entire system. Pignon will be the first site in Haiti to use District Metered Areas (DMAs), which are the preferred resource to control systemic water loss throughout the world. Employees will be trained to use electronic leak detection equipment and tamper-proof residential meters, which will improve distribution efficiency and revenue collection.

The Pignon water system, like most in Haiti, is unreliable and not profitable, in large part due to inordinate levels of water loss, reliance on old equipment, inefficiency and pilferage at distribution points, and lack of standard protocols. Unreliable service causes residents to obtain water from expensive or unsafe sources, and creates high levels of community anxiety and instability. Haiti continues to have high levels of water-borne infection and disease, including cholera, typhoid, e-coli and dysentery, and the additional impact of the coronavirus pandemic clearly shows that lack of access to potable water threatens the well-being of all Haitian, and especially children, the elderly, and those with chronic health conditions, making this project necessary now. The expanding impact of COVID-19 Delta and lack of access to COVID vaccines in Haiti increase the need for this project which addresses overall health and sanitation.

Currently, the Pignon water system services 200+ households and 100 other customers who collect potable water from community sites. When our plan is fully implemented, the system will be able to provide 30,000 gallons of potable water every day to at least 900 households, and generate monthly revenues of 450,000 HTG, which will make the system profitable enough to fund ongoing maintenance and repairs.

But this project is about far more than equipment and mechanical improvements. We will provide intensive training for technical and administrative staff at the Pignon water system, and involve them in developing

standard operating procedures and utilizing best practices. We will create operator manuals and training resources specifically for Pignon and start development of a regional “train-the-trainer” program for water system operators and technicians. We will also work with community groups and schools to organize health promotion and education activities for adults and children that encourage behavior change and attention to water use and conservation.

When this project is fully implemented, we expect water loss in Pignon will drop from 90% to 30%, net revenue will increase, repair and maintenance costs will decrease, operator functionality will improve, and there will be measurable improvements in water delivery. This will allow expansion of the customer base and ensure that more residents to have daily access to adequate amounts clean water, which will move Pignon closer to the goal to have a community water system that truly serves its residents.

See the "[Pignon Background](#)" document uploaded to our grant file for more information about the need for this project in this community.

Areas of Focus

Which area of focus will this project support?

Water, sanitation, and hygiene

Measuring Success

Water, sanitation, and hygiene

Which goals will your activity support?

Facilitating universal and equitable access to safe and affordable drinking water; Improving water quality by protecting and maintaining surface- and groundwater resources, reducing pollution and contaminants, and promoting wastewater reuse; Strengthening the capacity of governments, institutions, and communities to develop, finance, manage, and maintain sustainable water and sanitation services;

How will you measure your project's impact? You need to include at least one standardized measure from the drop-down menu as part of your application.

Measure	Collection Method	Frequency	Beneficiaries
Number of people with access to improved sources of drinking water	Grant records and reports	Every six months	1000-2499
Number of individuals trained	Grant records and reports	Every six months	1-19
Other	Grant records and reports	Every six months	100-499
Other	Direct observation	Every six months	100-499
Other	Grant records and reports	Every three months	1000-2499
Other	Grant records and reports	Every four months	1000-2499

Do you know who will collect information for monitoring and evaluation?

Yes

Name of Individual or Organization

Representatives from HANWASH, Northwater, Water Mission, Operators Without Borders, Haiti Outreach.

Briefly explain why this person or organization is qualified for this task.

Monitoring and Evaluation of impact of this project will be collectively managed by members of HANWASH, working closely with personnel involved in the implementation process (Northwater, Water Mission, Operators Without Borders, Haiti Outreach) and the water system manager, Mayor's staff, and OREPA. The evaluation team includes water system engineers and operators who have worked on similar projects in the Caribbean, Africa, and SE Asia. This team will conduct evaluation of systemic changes and efficacy of the training programs, which will provide guidelines for other HANWASH projects in Haiti.

Haiti has very few certified water system engineers or operators who could conduct this activity, so we have recruited a skilled team of external evaluators who are familiar with Haitian cultural and behavior norms to begin building in-country knowledge and professional expertise. We hope our efforts will stimulate interest in a separate project focused on knowledge and capacity building that could establish a working site for operator training. With support from OREPA and DINEPA, this could become the pilot for a national operator/technician certification program, which would have significant impact on sustainability of all HANWASH activity.

Monitoring and Evaluation of community activity will be coordinated by Haiti Outreach and HANWASH. One of our goals is to conduct a survey of community sanitation facilities and practices. Information gathered from this survey will be used to create a Community Sanitation database. Currently, there is no reliable data on sanitation facilities and practices in the Pignon area. Having, and maintaining, a community sanitation database will identify needs for future community education activity on health, disease prevention, personal hygiene, and water conservation principles.

See the M&E Plan document uploaded to our grant file.

The engineers from Northwater and Water Mission have worked in 150+ WASH projects in Haiti and the Caribbean. They are proven experts in water system design and operation, having completed many projects that revamp older systems. They have implemented technical training programs using the equipment proposed for

this project, and they have strong understanding of Haitian culture and behavior.

Operators Without Borders will provide experienced water system operators and an expert in adult education and training. OWB has managed operator training in many global locations, working with employees of varied skills and education levels.

The HANWASH organization is committed to providing access to clean water and proper sanitation for all Haitians by 2030, and their members include experts in all aspects of WASH activity. Their focus is to codify results, improve professional training, increase the knowledge base, and stimulate behavior change in all Haitian communities.

Location and Dates

Humanitarian Project

Where will your project take place?

City or town

Pignon

Province or state

Nord

Country

Haiti

When will your project take place?

2021-09-20 to 2023-06-30

Participants

Cooperating Organizations (Optional)

Name	Website	Location
OREPA Regional Office for Drinking Water and Sanitation	https://www.dinepa.gouv. ht/orepa/	HT1110 77, Rue 23, Boulevard Cap-Haitien Haiti
Sous Lavi S.A.	http://souslavi16.wixsite.c om/souslavi	3416 Hawthorne Ave Richmond United States
HANWASH	www.hanwash.org	8200 Seminole Boulevard Seminole United States
Haiti Outreach	www.haitioutreach.org/	50 Ninth Ave S, Suite 203 Hopkins, MN 55343 United States
Mayor, Commune of Pignon		Municipal Office Pignon Haiti

Supporting Documents

- [Pignon_Grant_MOUs_signed_French.pdf](#)
- [Pignon_Grant_MOUs_signed_French.pdf](#)

- Pignon_Grant_MOUs_signed_French.pdf
- Pignon_Grant_MOUs_signed_French.pdf
- Pignon_Grant_MOUs_signed_French.pdf

Do any committee members have a potential conflict of interest related to a cooperating organization?

Yes

If so, please briefly explain.

There are factors that might create perceived conflict of interest for one person. Neil Van Dine is a Rotarian who also serves as a director for Haiti Outreach and HANWASH, two nonprofit organizations working on water projects in Haiti. He is a water system professional and the principal operator/agent of Sous Lavi, S.A. the entity that currently manages the Pignon water system under contract with the Municipality of Pignon. These roles could present perceived conflict of interest, as all three entities will be involved in the global grant project in Pignon. Mr. Van Dine is aware of Rotary policies about conflict of interest and Rotary's expectation for transparency in grant activity. He will not receive any direct compensation or personal benefit from the Rotary grant, and, he is contributing substantial professional expertise and volunteer effort to this project to help ensure its success.

Why did you choose to partner with this organization and what will its role be?

Each of the partner entities has helped to develop the project plan, by contributing professional evaluation and assessment how to make the Pignon community water system viable and self-sustaining. Members of each organization will work with Rotarians and community leaders on certain aspects of project implementation, including plans and specifications, equipment selection and installation, construction oversight, technical training, capacity building, and evaluation. Each partner organization brings valuable expertise, related experience, and local knowledge that help to ensure that project goals are achieved and the Pignon water system becomes a viable, revenue-positive utility. This type of professional expertise (certified water engineers and water system operators) is not available in Haiti at this time.

Specific contributions of each partner organization are stated below and signed MOUs are uploaded.

Haiti Outreach has been working in Pignon and other Haitian communities for a decade, helping them solve problems that affect health, sanitation and economic prosperity. Haiti Outreach aims to remove critical barriers to sustainability such as lack of training and local resources. They work on infrastructure projects, seeking to eliminate waste, abuse, and external dependency. Haiti Outreach uses a Community Management model to build "clean" communities where every household has access to potable water, proper sanitation, and residents practice good hygiene.

HANWASH will provide general project management and serve as liaison between the system operator, the municipality, government agencies, and key community groups. HANWASH will document results and lessons learned from the Pignon project and share this information with other HANWASH communities. Haiti Outreach and HANWASH will be involved in community education and outreach activity.

Mayor's Office: The Pignon water system is owned by the Commune (municipality) of Pignon, which has overall authority for its operations, pricing, revenue, and resources. In 2018, the municipality engaged Sous Lavi to manage operations and improve its functionality because the system was basically inoperable. The current agreement with Sous Lavi runs through 2022, with expectation that it will be renewed. The Pignon Mayor and staff have been involved in planning this project and given strong endorsement to the proposed Rotary grant.

OREPA and DINEPA are the regional and national agencies that regulate water and sanitation activity in Haiti. They have authority to approve all projects and monitor implementation and results. Representatives from these agencies work closely with the Pignon Municipality and Sous Lavi to ensure that the water system meets governmental standards and aligns with national goals for water access and sanitation.

Partners (Optional)

List any other partners that will participate in this project.

Northwater and Water Mission have engineering and technical expertise in water system design, operation and training in less developed countries. While they help communities increase use of modern technology and equipment, their recommendations are based on local conditions and capabilities. They know how to help communities create water system that are functional, sustainable, and based on local resources and customs.

Operators Without Borders (OWB) bring special expertise to this project because their members are experienced water system operators and managers. They will provide professional assessment of Pignon water system personnel, develop training materials, and conduct training demonstrations tailored to the Pignon system and personnel. One OWB volunteer is the leading authority on use of District Metered Areas (DMAs) to reduce water loss through waste and pilferage. Another OWB volunteer is a recognized expert in adult education and training of rising professionals in less-developed situations and organizations.

Rotarian Participants

Describe the role that host Rotarians will have in this project.

- Oversee onsite project activity
- Manage local payments and monitor grant budget
- Coordinate liaison with local community and government agencies
- Help implement advanced water system technician training & certification program
- Communicate with international partners and collaborators
- Maintain grant documentation and prepare reports

Describe the role that international Rotarians will have in this project.

- Monitor grant finances, budget and timeline
- Oversee grant records and reporting
- Provide professional or technical resources, to the extent possible with COVID restrictions
- Help implement advanced water system technician training program
- Publicize the project to Rotarians in Florida and across the USA

Budget

What local currency are you using in your project's budget?

The currency you select should be what you use for a majority of the project's expenses.

Local Currency	U.S. dollar (USD) exchange rate	Currency Set On
USD	1	11/02/2021

What is the budget for this grant?

List each item in your project's budget. Remember that the project's total budget must equal its total funding, which will be calculated in step 9. Every global grant includes a match of at least \$15,000 from The Rotary Foundation's World Fund. Project budgets, including the World Fund match, must be at least \$30,000.

#	Category	Description	Supplier	Cost in USD	Cost in USD
1	Personnel	Assessment, Design, Specifications	Northwater, Water Mission	34700	34700
2	Equipment	Purchase Equipment and Materials	H2O, Sensus, USAID	36400	36400
3	Equipment	Freight, Delivery, Customs Customs Fees	H2O, Sensus, Other	10600	10600
4	Operations	Construction, Installation, Repairs	Sous Lavi, Haiti Outreach	89000	89000
5	Operations	Engineering Supervision	Northwater, Water Mission	46000	46000
6	Training	Technical and Admininstrative	OWB, Northwater, Water Mission	25000	25000
7	Training	Community Promotion	Haiti Outreach, RC Pignon	2400	2400
8	Monitoring/evaluation	Overall Project Activity	OWB, Northwater, Water Mission, HANWASH	7500	7500
9	Project management	Local Coordination	HANWASH	30000	30000
10	Project management	Grant administration	Rotary Partners	925	925
11	Operations	Contingency	TBD	20000	20000
				Total budget:	302525
					302525

Supporting Documents

- Pignon_Grant_Budget_Note.pdf
- Pignon_Project_Budget_Detail_Final.xlsx

Funding

Tell us about the funding you've secured for your project. We'll use the information you enter here to calculate your maximum possible funding match from the World Fund.

#	Source	Details	Amount (USD)	Support*	Total
1	District Designated Fund (DDF)	6940	66,200.00	0.00	66,200.00
2	Cash from district	6940	17,000.00	850.00	17,850.00
3	Cash from Club	Pignon	500.00	25.00	525.00
4	District Designated Fund (DDF)	7020	2,000.00	0.00	2,000.00
5	District Designated Fund (DDF)	6890	15,000.00	0.00	15,000.00
6	District Designated Fund (DDF)	6990	5,000.00	0.00	5,000.00
7	District Designated Fund (DDF)	6910	15,000.00	0.00	15,000.00
8	District Designated Fund (DDF)	6400	5,000.00	0.00	5,000.00
9	District Designated Fund (DDF)	7070	10,000.00	0.00	10,000.00
10	Cash from district	7070	9,535.00	476.75	10,011.75
11	Cash from Club	LaSalle-Centennial	11,428.00	571.40	11,999.40
12	Cash from Club	Pittsburgh	2,857.00	142.85	2,999.85
13	Cash from Club	Key Biscayne	9,525.00	476.25	10,001.25
14	Non-Rotarian contributions with NO match from TRF	Three Strand Cord	14,300.00	715.00	15,015.00
15	Non-Rotarian contributions with NO match from TRF	HANWASH	2,670.00	133.50	2,803.50
16	Cash from district	7710	950.00	47.50	997.50
17	Cash from Club	Sacramento	19,000.00	950.00	19,950.00
18	The Rotary Foundation Donor Advised Fund	WASH RAG - 427	2,000.00	0.00	2,000.00

*Whenever cash is contributed to the Foundation to help fund a global grant project, an additional 5 percent is applied to help cover the cost of processing these funds. Clubs and districts can receive Paul Harris Fellow recognition points for the additional expense.

How much World Fund money would you like to use on this project?

You may request up to 94,560.00 USD from the World Fund.

94560

Funding Summary

DDF contributions: 118,200.00

Cash contributions:	70,795.00
The Rotary Foundation Donor Advised Fund:	2,000.00
Financing subtotal (matched contributions + World Fund):	285,555.00
Non-Rotarian contributions with NO match from TRF:	16,970.00
Total funding:	302,525.00
Total budget:	302,525.00

Sustainability

Humanitarian Projects

Project planning

Describe the community needs that your project will address.

This project will address the following key needs in Pignon:

- Reliable access to potable water for all residents at reasonable cost
- Develop resources to improve household water use and basic sanitation practices
- Opportunities for health promotion and hygiene education in schools and community
- Create community water system that is functional, reliable and self-sustaining

This project addresses the urgent community need to keep the Pignon water system in functioning on daily basis and make improvements so that water service is reliable and can be extended to more community households. The financial and functional insecurity of the Pignon water system creates challenges for the municipality and causes residents to worry if they will continue to have access to safe water in the future. This is a “municipal” water system of modest scale with old and inadequate equipment that serves the core area of Pignon, with some residents getting water at their homes and others collecting it from centralized wellheads. While residents pay for this service, the system does not bring in enough revenue to cover operating costs, and there are no funds set aside for major repairs or improvements. The Pignon water system serves only a portion of residents who would like to have household service, and it is not capable of servicing large customers (agriculture or industrial users). Adding this type of service would generate additional revenue, but would also require extensive expansion of infrastructure, equipment and staffing that is not feasible at this time.

How did your project team identify these needs?

We started with a report from DINEPA, Haiti's national water agency, which identified essential needs for water and sanitation improvements throughout the country. The HANWASH organization expanded this report by conducting a survey of household water access in key communities across Haiti. This information was used to create a database showing each community's access to potable water and proper sanitation. This report, known as FRAPE (Functional, Responsibly- managed, sAnitation, Potability, inspEction), shows that only 35% of Haiti's population has access to potable water on regular basis and most community water systems are barely functional. Based on this report, HANWASH recruited a group of Rotarians, engineers and water system experts to develop an ambitious 10-year plan to improve water systems in critical locations in Haiti. The goal is to ensure that most Haitians have daily access to clean water by 2030. The first HANWASH grant project was implemented in Cavaillon in 2020 and Pignon will be the second community to get Rotary assistance to improve water access.

How were members of the benefiting community involved in finding solutions?

Haiti Outreach and other organizations have been working in Pignon for several years to identify problems and suggest solutions to improve daily access to clean water. Many residents were involved in this process, including water system users and those who get water from other sources. Community meetings allowed participants to raise concerns about limited service, unreliability of service, need for expansion, and cost of water service. Participants were advised that the current equipment and distribution system is not adequate and mechanical and technical improvements are needed to increase system reliability and add customers, which will reduce costs. Separate focus groups were held with water system subscribers and non-subscribers to discuss current service and unmet needs. Overall, the community response was positive, with participants

expressing desire for physical plant improvement and system efficiency, even if that means increased fees. They stated that the cost of buying potable water that is trucked into the community is much higher than the proposed increase in fees to utilize the community water system. Organizers took information from these community dialogues and shared it with engineers brought in to assess water system operations and recommend improvements. The engineers presented options to upgrade infrastructure and add technology to stop water loss and improve delivery. Their recommendations included professional training for local operators to reduce maintenance costs and improve efficiency. These recommendations were presented to the Mayor's staff and representatives from OREPA and DINEPA, to ensure compliance with local and national regulations, and this information was then shared with residents at community meetings.

How were community members involved in planning the project?

Haiti Outreach engaged engineers with experience in Haiti to evaluate the Pignon water system and make recommendations for it to be functional. They worked with the system manager and representatives from OREPA to ensure that all proposals comply with Haitian guidelines and align with local resources. Primary goals were identified, namely: replacing obsolete and inoperable equipment, reducing water loss, and improving operator skills to provide reliable, daily water service to more households. The Mayor's staff and Sous Lavi shared conceptual plans for improvements with subscribers to gather feedback and gauge community support. The response was positive, with subscribers accepting a modest increase in user fees to keep the system going until permanent improvements can be made. Community members recognize that the Pignon municipality, which owns the system, does not have funds to underwrite the cost of infrastructure improvements. They agreed that a modest increase in fees would be acceptable if the water system could provide reliable, daily water service. They endorsed the plan for community leaders to seek grants and external funding to help pay for major improvements. This led to discussions with the HANWASH committee and the Pignon Rotary Club about a Rotary global grant.

Project implementation

Summarize each step of your project's implementation.

Do not include sensitive personal data, such as government ID numbers, religion, race, health information, etc. If you include personal data, you are responsible for informing those whose personal data is included that you are providing it to Rotary and that it will be processed in accordance with Rotary's [Privacy Policy](#).

#	Activity	Duration
1	Confirm vendors, prices and equipment availability	4 weeks
2	Order equipment and arrange for delivery	16 weeks
3	Install solar array & start pump house improvements	10 weeks
4	Install new generator and pump house power upgrades	4 weeks
5	Install equipment to create DMAs	12 weeks
6	Training for system operators & admin personnel	16-20 weeks
7	System testing and oversight of enhanced operations	ongoing
8	Additional training and refinements as needed	as needed
9	Assessment and Evaluation activity	10-12 weeks
10	Community education and Sanitation Survey	6 weeks
11	Celebratory events in Pignon with Rotary	1 week

Will you work in coordination with any related initiatives in the community?

Yes

Briefly describe the other initiatives and how they relate to this project.

There are no significant community-based initiatives underway in Pignon at this time. However, there are similar HANWASH projects in other Haitian communities, where we will collaborate to share resources and lessons learned. We will work with the Pignon Mayor and OREPA agents to ensure that this project aligns with regional and national efforts to improve access and sanitation for all Haitians.

Please describe the training, community outreach, or educational programs this project will include.

We will provide technical training for water system operators and technicians, and assist them in developing standard operating procedures and system protocols. Training will be provided by engineers and water system operators who have done similar projects in Haiti and the Caribbean. The technical training will cover use of new generators, operation of the solar power system, use of digital equipment to control water loss, use of acoustic monitoring technology, distribution system inspection and trouble-shooting, and development of standard operating procedures and emergency response plans. There will be training for administrative staff to improve functions such as billing process, revenue collection, reports and data analysis, and adoption of Quickbooks to manage system financial records and reports. And, we will initiate discussions with OREPA and DINEPA about creating a technical training program which could lead to the Haitian government establishing professional certification for water system operators.

Technical and administrative training will be conducted by experts from Operators Without Borders, Northwater and Water Mission. Due to COVID travel restrictions, the trainers expect to use a combination of in-person and virtual training techniques, including webinars, video demonstrations, procedure checklists and worksheets, and hands-on exercises. Repeat training and testing will be conducted. The trainers will create operation and maintenance manuals in English, which will be translated to French and Kreyol for continued use after the professional trainers leave. The trainers will identify a lead operator and use the digital and

written materials to start a train-the-trainer program to continue local capacity-building after the grant period. The goal is to develop a local cadre of trained operators who will be resources for other Haitian communities seeking to improve their water system.

We will also conduct community education and outreach during the grant period, working with Haiti Outreach, HANWASH and local leaders. Currently, there is no way to accurately measure residents' knowledge of basic health and hygiene standards or water conservation principles. In addition, there is no reliable data about existing sanitation facilities and practices in the Pignon commune. One of the project goals is to conduct a detailed survey of household sanitation facilities and use this information to create and maintain a community sanitation database. Haiti Outreach and the Pignon Rotarians will conduct this survey, working with Sous Lavi and the Mayor's Office to create and maintain the community sanitation database. HANWASH will use this information to develop plans for future health education and sanitation promotion in schools, businesses, churches, and outreach to residents not currently utilizing the community water system.

How were these needs identified?

Training needs were identified through observation by the system operator and consultants, plus feedback from water system employees and community members during the planning period. We have detailed recommendations from OREPA and DINEPA consultants. Our project plan incorporates goals set by DINEPA, Haiti's national water/sanitation agency and findings from the HANWASH survey of regional household water and sanitation. This FRAPE survey shows that only 35% of Haiti's population has access to potable water on regular basis and most communal water systems are non-functional. We also used "lessons learned" from the first HANWASH grant project in Cavaillon to build our training plan and objectives.

What incentives (for example, monetary compensation, awards, certification, or publicity), will you use, if any, to encourage community members to participate in the project?

We do not need to offer financial incentives for this project because having daily access to potable water is the benefit that community members want and expect from this project. We will help community leaders organize health education and promotion activities and offer recognition and small incentives for residents who become "Smart Water Users." This will create a climate of awareness and interest in community health and hygiene after the grant period.. Rotarians will conduct community information meetings during the grant period and help local schools to obtain and WinS (WASH in Schools) materials.

List any community members or community groups that will oversee the continuation of the project after grant-funded activities conclude.

The HANWASH team will provide continuing oversight in Pignon, working with the system manager (Sous Lavi), the Mayor's Office, and governmental agencies that regulate water and sanitation (OREPA and DINEPA). Members of the RC of Pignon are available for continuing involvement and future grant projects. Haiti Outreach will work with the Mayor's Office to assist the existing community water committee, known as CPWAS (Community Potable Water And Sanitation), in taking a more active role after this project is completed. Its current role is quite modest, mostly providing information to the Mayor's office and monitoring complaints. The committee is small and does not meet often. Once the system upgrades and technical training resources are in place, CPWAS will have access to operational data and system metrics that are not currently available. This will create opportunity for CPWAS members to become more active.

Budget

Will you purchase budget items from local vendors?

No

Explain the process you used to select vendors.

We requested bids from qualified vendors and chose to work with those that have both proven expertise and regional reps who service Haiti. This process aligns with Rotary's preference for local purchasing to the extent

feasible. We have pro forma bids for the major equipment items, from SENSUS and H2O, and we will confirm prices and availability when the grant is approved for implementation.

We will purchase construction materials locally, but the major equipment and technology items are not available in Haiti. These items come from specialty manufacturers who utilize regional sales/service representatives for Haiti and other Caribbean countries. The type of equipment purchased for this project comes bundled, with hardware, software, and basic installation/training sold as a package. This ensures that users have basic understanding of the equipment so that warranties are not voided. This process aligns with Rotary's preference for local purchasing to the extent feasible and effective use of grant funds.

We will purchase equipment that is compatible with the existing water system infrastructure and distribution system, and that can be operated using available power systems and local connections. Our engineering consultants identified equipment that is suitable for use in Pignon, that complies with local regulations, and is available from qualified vendors within the proposed timeline. We chose equipment that can be serviced and repaired using mostly local resources by personnel trained through this grant.

Did you use competitive bidding to select vendors?

Yes

Please provide an operations and maintenance plan for the equipment or materials you anticipate purchasing for this project. This plan should include who will operate and maintain the equipment and how they will be trained.

The new equipment comes with warranties, so there should be no need for major repairs for several years. Maintenance schedules are provided by the manufacturer, and equipment manuals address regular maintenance and minor repairs. The regional sales reps are available by phone or Skype for trouble-shooting. Ongoing maintenance will be handled by water system employees, supervised by the system manager. The grant plan includes training for all system personnel and designation of lead operator who will get extra training and coaching. We will provide an operations manual and demonstration videos to facilitate training of new employees.

Describe how community members will maintain the equipment after grant-funded activities conclude. Will replacement parts be available?

Maintenance will be handled by Pignon water system employees, supervised by the system manager. The grant plan includes extensive training for all water system personnel to enable them to handle repairs and maintenance. We will provide the system manager with technical manuals and video demonstration to facilitate future employee training, and provide additional training and coaching for the employee designated as lead operator. Major replacement parts are available from regional equipment distributors and small repairs can be made using local resources.

If the grant will be used to purchase any equipment, will the equipment be culturally appropriate and conform to the community's technology standards?

Yes

Please explain.

All equipment is functionally appropriate to Pignon and can be operated using available technology and power resources. We will install solar power at the pump station to reduce reliance on costly and environmentally undesirable diesel fuel. This supports regional efforts to utilize solar power, which is less expensive and easier to restore after storm damage than conventional power systems. We will work with OREPA to ensure that the new equipment is inspected and complies with local regulations. Technical training will be provided for current employees and manuals and video resources will be available to train new personnel.

After the project is completed, who will own the items purchased by grant funds? No items may be owned by a Rotary district, club, or member.

All equipment will be owned by the Pignon Water System, which will be responsible for its continued operation and maintenance. The water system is owned by the Commune (municipality) of Pignon, which has

engaged Sous Lavi as its professional operator. Sous Lavi's engagement continues through the completion date for this project, and is likely to be extended until Haiti develops an indigenous cadre of water system engineers and operators. This is a long-term goal of the HANWASH organization, but it requires resources not currently available in Haiti.

Funding

Does your project involve microcredit activities?

Have you found a local funding source to sustain project outcomes for the long term?

Yes

Please describe this funding source.

This project will enable the Pignon water system to become modestly profitable as operating costs are reduced, services improve, more customers are enrolled, and net revenues increase. This will generate enough funds to support ongoing operations and maintenance activity. The system operator will work with the Mayor's Office to develop a budget that includes a designated fund for repairs and maintenance.

Will any part of the project generate income for ongoing project funding? If yes, please explain.

The water system will become net profitable as operating costs are reduced, services and fee collections improve, and more customers are enrolled. This will allow the water system budget to include a designated fund for maintenance and replacement costs. Completion of this project will enable volumetric metering of customer usage and monitored reduction in water loss. Better monitoring, regular metering activity, and addition of new customers will create a reliable revenue stream that enables the Pignon water system to realize modest profitability and address future maintenance and replacement needs.

It is too early to provide detailed projections on when the Pignon water system will generate enough profit to establish a dedicated fund for repairs and equipment replacement. This is largely dependent on how quickly new subscribers are added and net savings from reductions in water loss, pilferage, and purchase or fuel and replacement components. Adding a designated R&M item to the water system budget is a key aspect of the sustainability plan for this project, and progress will be addressed in our grant reports.

Supporting Documents

- Conflict_of_Interest_Statement_NVD.pdf
- OWB_Training_-_DMA_Overview.pptx
- OWB_Training_-_Flushing.docx
- OWB_Training_-_Quiz_Locate_Buried_Utility.docx
- OWB_Training_-_Sample_One-Day_Class.docx
- Pignon_Community_Assessment_Final.pdf
- Pignon_Grant_Background.pdf
- Pignon_Grant_Training_Plan_TRF_Form.pdf
- Pignon_M_E_Plan.pdf
- Pignon_Technical_Training_Plan.pdf
- Pignon_WS_Stakeholders_Schematic.docx
- Pignon_Water_System_Schematic.pdf

Authorizations

Legal agreement

Global Grant Agreement

I confirm and agree to the following:

1. All information contained in this application is, to the best of our knowledge, true and accurate.
2. We have read the Terms and Conditions for Rotary Foundation District Grants and Global Grants ("Terms and Conditions") and will adhere to all policies therein.
3. The grant sponsors ("Sponsors") shall defend, indemnify, and hold harmless Rotary International (RI) and The Rotary Foundation (TRF), including their directors, trustees, officers, committees, employees, agents, associate foundations and representatives (collectively "RI/TRF"), from and against all claims, including but not limited to claims of subrogation, demands, actions, damages, losses, costs, liabilities, expenses (including reasonable attorney's fees and other legal expenses), awards, judgments, and fines asserted against or recovered from RI/TRF arising out of any act, conduct, omission, negligence, misconduct, or unlawful act (or act contrary to any applicable governmental order or regulation) resulting directly or indirectly from a Sponsor's and/or participant's involvement in grant-funded activities, including all travel related to the grant.
4. The failure of the parties to comply with the terms of this Agreement due to an act of God, strike, war, fire, riot, civil unrest, hurricane, earthquake, or other natural disasters, acts of public enemies, curtailment of transportation facilities, political upheavals, acts of terrorism, or any similar cause beyond the control of the parties shall not be deemed a breach of this Agreement. In such an event, the Agreement shall be deemed terminated and the Sponsors shall refund all unexpended global grant funds within 30 days of termination.
5. TRF's entire responsibility is expressly limited to payment of the total financing amount. TRF does not assume any further responsibility in connection with this grant.
6. TRF reserves the right to cancel the grant and/or this Agreement without notice upon the failure of either or both of the Sponsors to abide by the terms set forth in this Agreement and the Terms and Conditions. Upon cancellation, TRF shall be entitled to a refund of any global grant funds, including any interest earned, that have ~~not~~ been expended.
7. The laws of the State of Illinois, USA, without reference to its conflicts of laws principles, shall govern all matters arising out of or relating to this Agreement, including, without limitation, its interpretation, construction, performance, and enforcement.
8. Any legal action brought by either party against the other party arising out of or relating to this Agreement must be brought in either, the Circuit Court of Cook County, State of Illinois, USA or the Federal District Court for the Northern District of Illinois, USA. Each party consents to the exclusive jurisdiction of these courts, and their respective appellate courts for the purpose of such actions. Nothing herein prohibits a party that obtains a judgment in either of the designated courts from enforcing the judgment in any other court. Notwithstanding the foregoing, TRF may also bring legal action against Sponsors and/or individuals traveling on grant funds in any court with jurisdiction over them.
9. This Agreement binds and benefits the parties and their respective administrators, legal representatives, and permitted successors and assigns.
10. If any provision of this Agreement is determined to be illegal, invalid or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect.
11. Sponsors may not assign any of its rights under this Agreement except with the prior written consent of TRF. Sponsors may not delegate any performance under this Agreement without the prior written consent of TRF. Any purported assignment of a Sponsor's rights or delegation of performance without TRF's prior written consent is void.

12. TRF may assign some or all of its rights under this Agreement to an associate foundation of TRF. TRF may delegate any performance under this Agreement to an associate foundation. Any other purported assignment of TRF's rights or delegation of performance without the Sponsors' prior written consent is void.

13. Sponsors will comply with all economic and trade sanctions, including those implemented by the Office of Foreign Assets Control (OFAC) of the United States Department of Treasury, and will ensure that they do not support or promote violence, terrorist activity or related training, or money laundering.

14. This Agreement constitutes the final agreement between the parties. No amendment or waiver of any provision of this Agreement shall be effective unless it is in the form of a writing signed by the parties.

15. Rotary International (RI) and TRF may use information contained in this application and subsequent reports to promote the activities by various means such as The Rotarian, Rotary Leader, rotary.org, etc. Unless indicated otherwise in writing, by submission of the photos, the parties hereby grant to RI and TRF the worldwide right to publish and use the photos, including but not limited to, in RI and TRF publications, advertisements, and Web sites and on social media channels and to license use to others, including, but not limited to, media outlets and its partners and through RI's online image database, for the purposes of promoting Rotary. By submitting the photos, the parties represent and warrant that all persons appearing in the photos have given their unrestricted written consent to use their likenesses and to license use to third parties.

16. The Sponsors agree to share information on best practices when asked, and TRF may provide their contact information to other Rotarians who may wish advice on implementing similar activities.

17. The Sponsors will ensure that all individuals traveling on grant funds have been informed of the travel policies stated in the Terms and Conditions and have been made aware that they are responsible for obtaining travel insurance.

Primary contact authorizations

Application Authorization

By submitting this global grant application, we agree to the following:

1. All information contained in this application is, to the best of our knowledge, true and accurate, and we intend to implement the activities as presented in this application.

2. The club/district agrees to undertake these activities as a club/district.

3. We will ensure all cash contributions (as detailed in the grant financing) will be forwarded to The Rotary Foundation (TRF) or sent directly to the global grant bank account after Trustee approval of the grant.

4. Rotary International (RI) and TRF may use information contained in this application to promote the activities by various means such as The Rotarian, the RI international convention, RVM: The Rotarian Video Magazine, etc.

5. We agree to share information on best practices when asked, and TRF may provide our contact information to other Rotarians who may wish advice on implementing similar activities.

6. To the best of our knowledge and belief, except as disclosed herewith, neither we nor any person with whom we have or had a personal or business relationship are engaged, or intend to engage, in benefiting from TRF grant funds or have any interest that may represent a potential competing or conflicting interest. A conflict of interest is defined as a situation in which a Rotarian, in relationship to an outside organization, is in a position to influence the spending of TRF grant funds, or influence decisions in ways that could lead directly or indirectly to financial gain for the Rotarian, a business colleague, or his or her family, or give improper advantage to others to the detriment of TRF.

All Authorizations & Legal Agreements Summary

Primary contact authorizations

Name	Club	District	Status	
Christine Isham	Lake City	6940	Authorized	Authorized on 06/08/2021
Moussanto Dantil	Pignon	7020	Authorized	Authorized on 24/08/2021

District Rotary Foundation chair authorization

Name	Club	District	Status	
David Rauch	Mid-Bay Bridge (Choctawhatchee Bay)	6940	Authorized	Authorized on 06/08/2021
Patrick Adizua	Mandeville	7020	Authorized	Authorized on 19/08/2021

DDF authorization

Name	Club	District	Status	
David Rauch	Mid-Bay Bridge (Choctawhatchee Bay)	6940	Authorized	Authorized on 06/08/2021
Larry Kubiak	Tallahassee	6940	Authorized	Authorized on 11/08/2021
Patrick Adizua	Mandeville	7020	Authorized	Authorized on 27/05/2021
Charles Sealy	South-East Nassau	7020	Authorized	Authorized on 29/05/2021
Tom Wagner	Brandon '86	6890	Authorized	Authorized on 29/05/2021
Deborah Williams	FishHawk-Riverview	6890	Authorized	Authorized on 06/08/2021
Peter Verbeeck	Key Biscayne	6990	Authorized	Authorized on 30/05/2021
Alan Cohn	Fort Lauderdale/Cypress Creek	6990	Authorized	Authorized on 30/05/2021
Bruce Azevedo	Madison County	6910	Authorized	Authorized on 30/05/2021
iPDG Tina Fischlin	Greene and Putnam Counties	6910	Authorized	Authorized on 30/05/2021
Richard Caron	Windsor (1918)	6400	Authorized	Authorized on 27/05/2021
Aruna Koushik	Windsor-Roseland	6400	Authorized	Authorized on 06/08/2021
Robert Wallace	Port Hope	7070	Authorized	Authorized on 26/05/2021
Mark Chipman	Whitby Sunrise	7070	Authorized	Authorized on 31/05/2021

Legal agreement

Name	Club	District	Status	
David Rauch	Mid-Bay Bridge (Choctawhatchee Bay)	6940	Accepted	Accepted on 06/08/2021
KENOLD MONDELUS	Pignon	7020	Accepted	Accepted on 26/08/2021