

D-6440 Global Grant Projects Seeking Partnerships

D-6440 Clubs have initiated the below Global Grant projects and are seeking partnerships from clubs/districts within Zones 28-29 in the form of club cash and/or District Designated Funds (DDF). Our club lead Rotarians will be glad to enter into a dialogue with prospective clubs/districts to provide additional information.

Let's be Partners to "Do Good in the World"

| <u>Project Title</u> | <u>Host Country</u> | <u>Budget</u> |
|--|---------------------|---------------|
| HealthRays – Guatemala Digital X-Ray Project | Guatemala | \$2.5 million |
| Literacy through Online Global Learning | Ghana | \$100,000 |
| Invest in Farmers – Micro-Credit for Kenyan Agriculture | Kenya | \$100,000 |
| Open the Door: Hualtulco Learning & Cultural Center | Mexico | \$300,000 |
| Water Wells for Angolan Schools | Angola | \$35,000 |
| Custom Fit Wheel Chairs for Argentina Youth | Argentina | \$50,000 |
| Early Childhood Development | South Africa | \$70,000 |
| Mechanical Cow brings Needed Nutrition to School Children & Micro-enterprise for local women | Guatemala | \$150,000 |

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HealthRays - Guatemala Digital X-Ray Project

International Club Name: Sponsored by District 6440

Point of Contact Name: Pam Kerr Phone: (847) 533-6336 Email: gov.pam@rotary6440.org

Host Club Name: Varies, depending on location of x-ray unit Host District: 4250 Host Country: Guatemala

Area of Focus: Disease prevention and treatment

Total Project Budget: \$72,454 per unit (29 planned; 3 installed)

Needs Assessment:

The primary objective of this project is to identify opportunities to improve access to diagnostic radiology services in Guatemala by providing World Health Imaging System for Radiology (WHIS-RAD) units. Images from these systems can be transmitted to radiologists who can read them on the internet and provide a diagnosis. The focus of this project is the eventual provision of 29 digital imaging units that are accounted for and sustainable in the long-term. Secondly, an objective is to demonstrate the value of non-governmental (NGO) and government partnerships to provide health care services to an economically marginalized population. More information is available at www.healthrays.info.

Main aspects of the project:

One digital x-ray system will serve a population of 50,000 or more for the better part of two decades if properly maintained. The primary beneficiaries of this global grant would be the rural and economically marginalized people in Guatemala. Diagnostic radiology services provides local physicians in community hospitals/clinics with diagnostic testing results that assist in the proper treatment of such diseases as fractures/sprains, asthma, pneumonia, congestive heart failure and tuberculosis.

Benefit:

The Global Health Initiative reports that Guatemala is Central America's most populous country, with 14.3 million people, of which about 40% are of indigenous (Mayan) descent. Guatemala has a national poverty rate exceeding 50% and a rate of extreme poverty of 15%. While 46% of the total population lives in rural areas, 72% of the extremely poor live in rural areas. Despite its middle-income status, Guatemala's health outcomes compare unfavorably with those of other much poorer countries.

Sustainability:

Information from the x-ray equipment and the monthly statistics from the site will be used to evaluate the operation of the equipment. Radiology technicians will be responsible for collecting information for the supervising radiologist, through the Ministry of Health. Guatemalan Rotarians will provide information to District 6440 Rotarians. The host will be responsible for monitoring and evaluation of this project. The Ministry of Health is responsible for monitoring the operational aspects of the equipment and the local hospital/clinic management.

Overall outcome & Impact

Better health outcomes will result from more timely and accurate diagnosis of conditions. Population health and tracking of various epidemiological conditions will be improve due to more comprehensive public health records. . Families and socio-economic conditions will benefit, and economic productivity enhanced, by providing access to local clinics; they no longer will have to take time off work and travel many miles for X-ray services. Because local citizens will be trained as radiology operators, jobs will be created and Guatemala's economy will benefit.

Literacy through Online Global Learning

International Club: The Glencoe Rotary Club of District 6440

Point of Contact: Phil Siegel, 224-639-2258 psiegel@e195.org

Host Club Name: Accra Rotary Club, Ghana, District: 9102, Host Country: Ghana

Area of Focus: Basic Education and Literacy

Total Project Budget: \$70,000

Needs Assessment:

Funding for equipment (computers and internet connectivity) and the maintenance of the equipment

Main aspects of the project:

Establishment of computer access with internet for 18 schools near Accra, Ghana in a group of three clusters (five schools to a cluster with no computers) who travel to a sixth school that has computers and internet capability.

As schools join the Literacy Online grid as either a satellite or a cluster school, they connect and study with schools within district 6440.

An online e-learning platform called e195, will be used to electronically connect schools with always free online global learning exchanges in all 195 countries in the world.

Benefits:

The US schools within District 6440 and Ghana are two countries using the platform.

Students in both countries do homework assignments together as their teachers share best methods that work for all the students.

The beauty is that students in both countries mutually benefit due to the opportunity to reach out globally and to gain "first person" knowledge of another country.

Sustainability:

The e-learning platform, e195 is creating assessment tools to show that students in both district 6440 and in Ghana are dramatically increasing their knowledge. Showing this evidence will allow us to be eligible for government funding directly to schools.

Overall outcome & impact:

Outcome transcends the schools we are helping. In Ghana, it provides access to US teachers and students, where there is little or no connection at present. The computers and internet connection also opens the entire communities within Ghana to the outside world where previously there is none.

Immediate impact in higher literacy test scores in both Ghana and District 6440 schools. The opening to US education that this Online Literacy project provides also gives families throughout Ghana the hope that when their daughters and sons stay in school that there is genuine and real advancement possibilities for their children by learning the computer skills that will be so important for economic opportunity for this younger generation.

Invest in Farmers – Micro-Credit for Kenyan Agriculture

International Club Name: Wilmette (Noon) Rotary Club, District 6440

Contact: Jim Hardee, 847-251-9556, JDHardee@gmail.com

Host Club Name: Rotary Club of Kavirondo, Kisumu, District 9212, Host County: Kenya

Area of Focus: Economic and Community Development

Total Budget: \$100,000

Cooperating Organization: Opportunity International (OI). Oak Brook, IL

Needs Assessment:

190 million people suffer from malnutrition in Africa, the vast majority being infants. The farming community is handicapped due to lack of knowledge of agricultural techniques. Moreover, they have no financing resources to purchase quality seeds, plants, fertilizers and pesticides etc.

Main aspects of the project:

- Provide MICRO-CREDIT financing to facilitate access to seeds, fertilizers etc.
- Provide the farmers agricultural technical assistance and training
- Provide tools and crop insurance



Benefits:

Rotary & OI are targeting 4,000 prospective farmers to provide food and income for 20,000 people and family members through the following ways:

Sustainability:

Opportunity Int'l is a NGO well-known to Rotary, and registered as a bank in Kenya. OI trainers educate loan recipients in Agricultural matters; and "Trust Groups" are used whereby 20 individuals together guarantee each other's loan repayments in case of illness etc. OI also provides savings deposit accounts. Loans are rolled over into bigger loans for existing recipients and new loans.

Overall Outcome and Impact:

The improved agricultural techniques will enable farmers to increase crop production and better income. Such an economic progress will lead to other positive effects on child education, child health and disease prevention.

Basic human dignity is achieved when a family can provide for itself.

The Multiplier Effect on this Project could be 3 times or more than the Loan amount raised.

Open the Door: Huatulco Learning And Cultural Center

International Club: Deerfield Rotary Club, District: 6440

Contact: Peter Fitzgerald, fitzcubs@gmail.com, 224-300-3409

Host Club: Rotary Club of Bahias de Huatulco AC, District: 4195, Host Country: Mexico

Area of Focus: Basic Education & Literacy

Project Budget: \$100,000

Needs Assessment:

The U2 sector is the poorest of Huatulco. Here there are several schools, but most of them hardly have classrooms and none has a library. Many schools lack desks, books and basic school supplies. Walking all day up and down beaches selling clams to beachgoers is the main source of income for this woman's family. The males in the family are the divers and shuckers. Most students do not advance beyond the 6th grade because of a lack of fluency and literacy in English, thus limiting their career choices. Accessibility to higher paying jobs is dependent on their ability to communicate in English.

Main Aspects of the Project:

- Establish a Learning Center with computers, books and other materials to facilitate literacy
- Offer a collection of books, CDs and movies to promote literary quality in these areas of Mexico
- Develop and offer courses and writing workshops to various groups
- Provide reading workshops in several languages to preschoolers and school-age children



Sustainability:

- The municipal government has donated the land for the learning center
- Government's support in providing funding that will pay for

maintenance, utilities, & salaries of the employees



Overall Outcome and Impact:

- The population of Huatulco is approximately 40,000. Of a total student enrollment of approximately 10,000, only about 900 will attend high school. Our goal is to greatly increase the number of students who will attend high school
- Proficiency in English language will help employment opportunities

Water wells for Angolan schools

International Club Name: Rotary Club of Wilmette, District 6440

Contact Name: C. Raymond Zeiss, (312) 860-1296, crz528@northwestern.edu

Host Club: TBD- Lobita or Luanda, Host District: 9350, Host Country: Angola

Area of Focus: Water and sanitation, education, disease prevention

Total Budget: \$35,000

Cooperating Organization: RISE International

Needs Assessment:

Availability of water, sanitation and hygiene is always a critical problem in developing countries. Lack of safe water results in several diseases and infant mortality.

Main Aspects of the Project:

TWO water wells will be built next to two existing schools. Appropriate training in hygiene practices will also be provided to the students.

RISE International, a local NGO, will assist in building these wells. They have been building beautiful primary schools in Angola together with the water wells. They now have almost 100,000 children in RISE schools built in partnership with the Governors and communities of many Angolan Provinces.

Website- riseinternational.org.



Benefits:

Over 500 children attend at each RISE school. Now children, especially girls spend much of their time hauling water from the rivers which could be spent in school.

A well has tremendous impact on the health and education of all the children in the school community.

Sustainability:

RISE builds schools in rural communities with little or no educational resources. The community helps plan and build the school and local community leaders are committed to building and maintaining the school.

Overall Outcome and Impact:

Water is lifeline for all communities and their well-being. A water well safe water and improves the health of school children. They have more time to attend school instead of hauling water. Their self-esteem is enhanced. School attendance is improved.

Water also has indirect effect on the surrounding community where business also moves forward

Custom Fit Wheel Chairs for Argentina Youth

International Club Name: Lincolnshire Morning Star Rotary Club, District 6440

Contact Name: Alan J Nerad, 224-388-9971, alan.nerad@gcgfinancial.com

Host Club: Santa Rosa Rotary Club, District: 4920, Host Country: Argentina

Area of Focus: Disease Prevention and Treatment

Total Project Budget: \$50,000

Needs Assessment:

Children up to age 15 have mobility challenges due to such illnesses as Cerebral Palsy, genetic and dysmorphic disorders, neurological disorders, immunologic and metabolic disorders and spinal cord injury, brain injury and more.

Lack of mobility results in children not able to attend school, to socialize and it causes other behavioral issues.

Special wheelchairs are needed for many families who have NO way to purchase them due to the poor conditions in which they live.

Main aspects of the project:

The goal is to provide 100 CUSTOM FIT wheel chairs for children up to age 15. The Santa Rosa Rotary Club is working with the Ministers of Health in the Provinces of LaPampa and Buenos Aires to identify the wheelchair recipients. The host club will also take measurements.

Cooperating Organization:

- ROC Wheels - 501(c)(3) based in Bozeman, Montana
- ROC Wheels is a 501c (3) entity and the provider of custom fit wheel chairs.
- Once the chairs are shipped, several members from ROC Wheels (the provider of the chairs) as well as several members from District 6440 will arrive in Argentina. There they will work with the local hospitals and other volunteers to custom adjust the fit of the chairs.



Benefits:

More children will attend school. They will socialize more and will have a better quality of life. Their families will be able to solve a tremendous social problem, including literacy and health attention.

Sustainability:

Spare parts and tools will be shipped with the chairs. District 6440 members and representatives of ROC Wheel will train on maintenance and repair. Long term goal will be to conduct a 2nd grant in the future that will establish a distribution center in Argentina.

Overall outcome and Impact:

These chairs will provide freedom through mobility. They will help prevent future deformities, aid in the development of maturational processes, enable interaction with the environment, encourage positive behavior, enhance state and motor control and help in the learning process.

Early Childhood Education

International Club name: Libertyville Sunrise Rotary Club District 6440

Point of Contact: Teri Dreher, Teri@northshorern.com 847-612-6684

Host Club: Gately Rotary Club of East London, South Africa District

Area of Focus: Women/Children/Education

Total Project Budget 85,000 USD

Main Aspects of the Project:

The Early Childhood Education Project is a phase two project that aims to improve early childhood education in the impoverished region of Buffalo City housing projects in the East London Area of South Africa (eastern coast). It is a “Head Start” type program which trains adult caregivers to be qualified preschool teachers for a high orphan population, improving their chance for success in school at an early age, leading to higher employment rates, lower adolescent rates and general increased competence with life skills. The educational training will also lead to qualification of the teachers themselves, leading to a chance to receive government stipends for the skilled child care and education they will be able to provide. Training is performed by a professional organization in East London whose primary purpose is improving literacy prior to attending public schools. The program has 100% attendance compliance at present and is closely monitored and evaluated by field staff for one year after completion and distribution of certificates.



Benefits:

The benefit of this program will be aimed at the children and care providers/teachers with secondary benefit to the teachers’ families and society at large.

Sustainability:

The program will be sustained through income from child care fees and government stipends given to trained caregivers. The Gately and East London Rotary Clubs are actively involved with every aspect of

the implementation, training, evaluation and monitoring, as it the ITEC corporation which does the actual training of the teachers.

Overall Outcome and Impact:

Overall impact and outcome: To improve literacy, competence with life skills, provide quality training of teachers that will lead to early school success, confidence and hope for the future of the most vulnerable of South African society: the children of poverty. The teachers will receive certificates that will enable them to earn income from the government or improve their present working conditions in the future, as well as train younger caregivers in modern education practices. There is also a nutritional training component that will improve the overall quality of the diet of the children who attend the preschools (crèches).

Mechanical Cow brings needed Nutrition to School Children & Micro-enterprise for local women

International Club: Barrington Breakfast Rotary Club, District: 6440

Contact: Narayan Murarka, npmurarka@comcast.net, 847-836-0494

Host Club: Guatemala Sur Club, District: 4250, Host Country: Guatemala

Area of Focus: Economic & Community Development, Disease Prevention and Treatment

Total Project Budget: \$150,000 - \$200,000.

Needs Assessment:

Malnutrition is a serious problem for a large percentage of the community particularly children. Guatemalan children are lactose intolerant and as such do not have access to milk. A high protein content product is desired to help their growth at an early age.

Soy milk produced by a machine referred to as “mechanical cow” has been identified to help their growth at an early age. Soy milk has high protein content.

Background:

Barrington Breakfast Rotary Club has been active in promoting the use of the mechanical cow over the last three years. Three such machines have already been installed under Global Grants sponsored by our club. The mechanical cow produces high protein content soy milk from soy beans together with a solid byproduct called “okara.”

Guatemala already has another 8-9 mechanical cows installed at several places. The Guatemalan Rotary clubs have created a “Nutrition Committee” with the main objective to install many more such machines throughout Guatemala. Our proposed grant is aimed at supporting their efforts.



Main Aspects of the Project:

Under the proposed project six to eight new machines are planned for installation in orphanages and schools.

- Provide the soy milk to children ages 1-5 and to the elementary school children
- Provide microenterprise business opportunity to local women to make and sell “okara” based baked goods
- Fortify the regular tortilla flour with okara to enhance its protein content. The fortified flour will be used for their daily use



Benefits:

- Thousands of children will receive high protein nutrition critical to their growth at an early age
- Children will have better self-esteem and better concentration in school work
- Hundreds of Mayan women will be able to operate a microenterprise business to earn some money for their families
- All members of the family will receive enhanced protein in their daily diet as a result of fortified tortilla flour

Sustainability:

The mechanical cow machine and other appliances will be provided to select local NGO's who are operating orphanages or schools. They will sign a contract to fully operate the nutrition program and pay for the operational costs. The local Rotary Club will monitor the progress.

Two mechanical cows have already been installed under the auspicious of the "Nutrition Committee." They are located at Congregacion Marta & Maria in Esquipulas and Fundacion APEVIHS in Retalhuleu.

Overall Outcome and Impact:

The project is aimed at reducing the malnutrition problems among the children. Efforts are underway to experiment with the blending of okara with the local tortilla flour and thereby enhance the protein content of their daily diet. Fortifying the flour with protein rich okara will in turn help the entire community.

Article:

Mechanical Cow brings Needed Nutrition to Guatemalan School Children – March 15, 2011

<http://www.clubrunner.ca/Portal/story/StoryDetail.aspx?accountid=50032&sid=11657&stid=District>

Video:

Soy Cow brings needed nutrition to Guatemalan Children – April 26, 2011

<http://www.youtube.com/watch?v=rhCnUOqTK-w>