

Santa Eulalia, Guatemala Stove Project
Village of Vista Hermosa

PROJECT RATIONALE:

Huehuetenango is the poorest Department in Guatemala with a 70% poverty level and 22% extreme poverty level.

The indigenous people use open wood burning pit fires which lack chimneys in their homes which causes extreme smoky conditions.

According to WHO, deaths attributed to household air pollution by the inefficient use of solid fuels are:

- 12% pneumonia (50% of children's deaths under the age of 5 are due to pneumonia.)
- 34% stroke
- 26% ischemic heart disease
- 22% COPD (chronic obstructive pulmonary disease)
- 6% lung cancer

In addition to the air pollution issues, women suffer burns from cooking/housekeeping with open fires and toddlers often fall into the fires.

SOLUTION

- Vented, fuel-efficient stoves provide clean air, reduce disease and injuries.
- Cleaner air results in increased birth weight by an average of 89 grams.
- 75% less firewood is required which reduces deforestation
- Less time collecting firewood means boys have more time to attend school and fathers can attend to growing and selling crops

PROCEDURES

Julio Mateo, using Rotary criteria, selects qualified families to receive the stoves. Julio records the families' name, country ID number, and gets their signature. Each family is required to give 200Q to strengthen their commitment to the acquisition of the stove. The funds are deposited in a Banrural Bank account which is co-signed by Ken Werner of *People for Guatemala*, a 501c3, and Julio Mateo.
<http://www.peopleforguatemala.org/>

Julio will send monthly bank statements and accounting for revenues and expenses to Ken Werner of *People for Guatemala* and to the Rotary Club of Sarasota.

The 200Q pays for the installation, training of trainers, educational program for stove use and maintenance, parts, charity, and follow-up maintenance.

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ROTARY CLUB OF SARASOTA RAISES FUNDS.

- Checks will be made out to the Rotary Club of Sarasota Foundation (RCSF). When sufficient funds are collected, the RCSF will make a check out to People of Guatemala, a registered 501c3.
- Stoves are ordered from Chapina Stoves, Model Chapina, cost US\$124 which includes delivery.
- *People for Guatemala* Julio verify delivery of stoves and installation. Julio will take a photograph of each installation and emails it to the Sarasota Rotary Club.
- *People for Guatemala* pay Chapina Stoves (Amilcar) upon deliver of the stoves.

TRAINING FOR STOVE INSTALLATION, USAGE AND MAINTENANCE

Objectives: Train a select group of people to install stoves, educate stove recipients on the installation, usage, and regular maintenance

Activities: Train leaders to install, use, and maintain stoves. The community leader, along with trained leaders will install stoves. The community leader together with the trained leaders will show women how to use and maintain the stoves.

FOLLOW-UP, EVALUATION, AND SUPPLEMENTAL TRAINING.

The leaders who have been selected to assist in the training will receive the training from the community leader, Julio Mateo. Stove recipients will be instructed on how to use and maintain the stoves

PARTICIPANTS MUST DEMONSTRATE KNOWLEDGE OF:

- Starting a fire
- Maintaining sand level inside stove
- Removal of ashes
- Maintain *plancha* (cooking surface)
- Clean the stove chimney