

# StoveTeam International

Working to solve medical and ecological problems by providing fuel-efficient stoves to the rural people of Latin America



# Original project intention in Guatemala



Our goals were to:

- Distribute a stove acceptable to the indigenous people
- Locate and work with a manufacturing facility in Guatemala
- Work with an NGO to assist in communities
- Recruit and train volunteers to work on installation of the stoves

## Goals we met in Guatemala

- In 2007, 73 volunteers installed 245 stoves serving 1,225 children.
- The NGO in Guatemala is continuing to work with indigenous communities installing fuel-efficient stoves.
- Volunteers from several US states and Canada come to Guatemala to help install stoves.



# We changed the lives of children with our work!

- Fewer open fires
- Less smoke inside homes
- Fewer burns and upper respiratory problems
- Fewer eye diseases
- Less deforestation
- Reduction of CO<sub>2</sub> emissions



## Moving to the future

After three years in Guatemala, StoveTeam, now renamed StoveTeam International, is expanding to El Salvador. A simpler stove has been designed and a new factory built in Sonsonate. Previously the cost of two stoves per household was \$115. With the current design, a single stove produces the same results and costs only \$40. Recipients pay \$20, with the balance subsidized by grants and donations.



Inefficient cooking methods presently in use in El Salvador

# The new Ecocina stove design



- Made from sheet metal or ferrocement, insulated and cool to the touch
- Efficient combustion creates little smoke and requires no chimney
- Portable
- Inexpensive to make
- Based on the time-tested “rocket elbow” design
- Reduced deforestation and CO<sub>2</sub> emission using less fuel wood



Ecocina with old stove in background

## Start-up strategies



Using local labor and materials purchased locally, produce and distribute 5,000 stoves throughout two districts of El Salvador near Sonsonate.

Collect stove performance and health benefit information.



## 2008 Goals for El Salvador

- Increase monthly production capacity to 1,000 stoves and provide jobs and training for young people by setting up several new workshops using local labor and materials purchased locally
- Collaborate with local Habitat for Humanity and The Peace Corps to collect payments and distribute Ecocina stoves
- Monitor the new stove design
- Collaborate with Rotary International, Milagro Foundation, Synchronicity Foundation and others to subsidize stoves
- Bring volunteer teams to El Salvador to demonstrate stoves and monitor health benefits and use of fuel wood



## Goals for 2009 and beyond

Recruit volunteer teams to continue demonstrating stove benefits and evaluating stove performance.

Collaborate with the government of El Salvador and local NGOs to expand operations to produce at least 1,000 stoves per month, serving 5,000 new children each month.

Estimates are that one million stoves are currently needed in El Salvador.



## Collaborations in El Salvador



- El Salvador Department of the Environment
- The Peace Corps
- The Fund for the Americas
- The Sisters of St Joseph of the Peace
- Habitat for Humanity
- Rotary Club of San Salvador



**We expect to make a difference in the lives of children,  
their families and their communities**

**The installation of stoves continues in Guatemala and we  
expect that StoveTeam International's work in El Salvador  
will also change lives, one family at a time.**





**StoveTeam International — December 2007**