



STOVE
TEAM
INTERNATIONAL®

ANNUAL REPORT

2021

WHAT WE DO

StoveTeam International promotes the local production of safe, affordable, fuel-efficient cookstoves to replace dangerous open fires in the developing world.

We partner with international organizations, volunteers, Rotary clubs, and other groups to provide fuel-efficient cookstoves at little to no cost to those who need them the most.

A LETTER FROM OUR EXECUTIVE DIRECTOR

A reflection on 2016 and beyond

In the developing world, cooking is one of the most dangerous activities a woman can undertake for her family.

Because women cook over rudimentary camp fires inside their homes, they and their young children are at risk of burns, respiratory, eye and heart illnesses, and even death. Traditional open fires also cause a myriad of environmental impacts, including the emissions of climate altering pollution and the destruction of native forests.

StoveTeam International works to promote fuel-efficient alternatives to open fires to take the risk out of cooking and to protect the environment for future generations. With the support of individuals, foundations, partner organizations and businesses this fiscal year, more than 650 stoves were provided to those in need; the Avanza Factory was launched in Esteli, Nicaragua. Stoves are now produced and sold locally in a country where 72% of the population cooks with wood as a primary fuel source. And a seven-month long study on the use and adoption of cookstoves was completed in Guatemala, which showed a 70-80% displacement of the traditional open fire.

Moving forward, we will build on this momentum and continue providing cookstoves to those in need. We will educate the public and consumers about the dangers of open fires, seeking to advance a culture of stove acceptance and use that ensures improved cookstoves become an essential household appliance. With the recent growth of our staff, we will work with our factory partners in El Salvador, Guatemala, Honduras, Mexico and Nicaragua to build the critical skills necessary for strong and sustainable business development; and we will advance new research on how consumers value cookstoves.

None of this work would be possible without the support of our donors, foundations and businesses partners. Thank you!

With gratitude,



Katie Laughlin
Executive Director

3 billion people cook over deadly open fires.

WHY STOVES?

Many women spend most of their day indoors near smoldering fires or walking to collect heavy loads of firewood. Many cook with their small children at their side. Inhalation of harmful particles emitted from these open fires is the cause of **four million deaths per year** and is a leading cause of death in children under five.



Lynn Johnson, Ripple Effect Images



DANGERS OF OPEN FIRES



HEALTH
CONSEQUENCES

Pneumonia, respiratory infections, emphysema, cardiovascular disease, lung cancer, chronic bronchial illnesses, burns, hernias, cataracts, chronic eye infections, skin irritations, low birth weights



ENVIRONMENTAL
CONSEQUENCES

Rapid deforestation, erosion, mudslides, water pollution, climate change due to emissions of black carbon, pollution from the emissions of particulate matter.



Safe and fuel-efficient cookstoves can prevent debilitating burns

Lynn Johnson, Ripple Effect Images



“StoveTeam has had huge impact. The organization and its sustainable efforts have grown quickly and thoughtfully. It has educated & trained its people to help themselves. It has continued to save lives and spread awareness.”

RUTHIE MOUTAFIAN
Associate Director
The Milagro Foundation



BENEFITS OF IMPROVED COOKSTOVES



HEALTH



The Ecocina is cool to the touch, reducing the incidence of burns. It also decreases indoor air pollution, resulting in healthier homes.

EMPOWERMENT

Access to improved cooking technology means women and girls spend less time collecting firewood, and more time at school or pursuing other personal advancements.



SAVINGS



For those who buy wood, the savings in wood pays for the stove in a few months making the Ecocina an affordable alternative to open fires.

ENVIRONMENT

Fuel efficient stoves burn less wood and reduce smoke in the home, cutting down on deforestation and the emission of greenhouse gases.



DEVELOPMENT



Stove factories provide local jobs and use locally-sourced materials, promoting sustainable economic growth in low-income areas.



“In my life, it is a blessing that you all have brought my new stove...not many people dedicate their time to doing these projects. Many times people will say they will do it but don't get to it.”

Doña Blanca

**MEET
DOÑA
BLANCA
NIEVES**

Stories from the field

Doña Blanca lives in the small town of Alotenango, Guatemala with her two children and husband in a cramped home.

For women like Doña Blanca who cook over open fire, the kitchen is a site of both nourishment and despair. When she cooked over open fire, Doña Blanca's eyes were constantly watery and her apron caught fire several times. Growing up, her mother had a plancha stove that was given to her by a city project. The excitement of only using two pieces of wood to fuel an entire meal left an impression on her.

With an open fire in her own home, she used upwards of eight tercios (a third of a donkey load,) per week, which took a toll on the family's budget.

With her new stove, she buys a fraction of the wood she used with her open fire and allocates that savings towards her children's education, “[my children] are on their way up, they are the future of this family”, she said.

Doña Blanca's struggles from cooking over dangerous open fires are experienced by women throughout the world. With a new fuel-efficient cookstove that saves lives, the future looks a little brighter.

7 FACTORIES



StoveTeam establishes locally owned, for-profit factories to make safe, fuel-efficient cookstoves. We provide business training, technical assistance and assist in securing start-up capital.



EL SALVADOR

Inversiones Falcón

Inversiones Falcón, in Nahulingo, El Salvador was the first factory established by StoveTeam. Since 2007, it has produced **23,486 stoves**. The current economic and security environment in El Salvador presents many challenges to business operations, but factory owner Gustavo Peña continues to work hard to expand distribution to those in need. An inventor at heart, he continues to experiment with additional adaptations of the Ecocina and is designing new stoves with external chimneys and larger planchas.



HONDURAS

E'Copan

Since June 2010, the E'Copan factory in Copan Ruinas, Honduras has produced and sold **8,304 stoves**. They continue to grow and expand their business through local and regional promotional campaigns and marketing efforts. In November 2016, Milagro Foundation continued its support of StoveTeam International to increase awareness of fuel-efficient cookstoves in Honduras, including a pilot environmental education program that will be launching in Copan Ruinas schools with the help of E'Copan. By introducing and exposing young people to clean energy technology, we are working to break the generational cycle of energy poverty.

GUATEMALA

EcoComal

EcoComal stove factory in Guatemala continues to produce quality stoves for families in need. Their hard work in the field of fuel-efficient cookstove sales and promotion earned them the 2016 National Energy Globe Award for Guatemala. The Energy Globe Award is supported by the United Nations Educational, Scientific, and Cultural Organization (UNESCO) and done in cooperation with United Nations Environment Program (UNEP). The award honors organizations working to advance sustainable solutions to global environmental challenges. In a country where approximately 70% of the population uses wood for cooking, and more than 5,000 people die per year as a result of household air pollution, EcoComal is addressing an important need with a simple and local solution. The factory has now produced and sold **24,365 stoves**.



NICARAGUA

Estufas Avanza

The Estufa Avanza factory in Estelí, Nicaragua was launched in Summer 2016 with the help of Friends of Families United, a non-profit organization providing housing and education to low-income families living in Nicaragua. Production began in Fall 2016. So far, Avanza has produced and sold **577 stoves** and has received support from Rotary International, Biomass Users Network of Central America and other international organizations. The factory operates as a non-profit enterprise.



MEXICO

Ecocina Stoves Mexico

The Ecocina Stoves factory in San Miguel de Allende began producing stoves in August of 2011. It has produced and sold more than **1,950 stoves** to date and worked with several local communities and governmental organizations.



“I am eternally grateful to StoveTeam. El Salvador is one of the most violent countries in Latin America and despite the circumstances, the momentum and support of StoveTeam have helped me to survive.”

GUSTAVO PEÑA
Factory owner, El Salvador



61,374

STOVES PRODUCED

The adoption of a fuel-efficient cookstove results in reduced indoor air pollution, savings in fuel and improved health.

460,000+



LIVES IMPROVED

Each stove is sold to a single family, and average family size shown by StovTeam's field testing data is 7.5 individuals.



30+

JOBS CREATED

Factory employees include skilled laborers and metal workers, salespeople and watchmen, and cleaning/cooking staff. Surrounding businesses, including hardware stores and materials providers, as well as accountants and attorneys are also impacted by factory presence and growth.

250+



VOLUNTEERS

Volunteers provide support in our office and at tabling events, and travel to factories to assist in construction, stove production and usage studies.



IMPACT

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NOTABLE MOMENTS

We completed a 7 month-long study on the use and adoption of Ecocina cookstoves in Guatemala. The study showed the introduction of an Ecocina cookstove resulted in a 70-80% displacement of the traditional open fire.

We launched our newest factory in Esteli, Nicaragua, Estufas Avanza, and began providing fuel-efficient cookstoves to impoverished communities throughout Nicaragua.

Partner factories provided 5,542 stoves throughout Central America and Mexico.

StoveTeam received the National Energy Globe Award for Guatemala for our efforts to promote fuel-efficient cookstoves in Guatemala.

We developed new key partnerships, including with Dutch Bros' Love Abounds Foundation and EnDev, providing critical support for the factories in El Salvador and Nicaragua.





“StoveTeam has inspired not only me, but dozens of people locally to contribute to international giving in a way in which we can see and experience the results.”

LINDA CARNINE
Donor





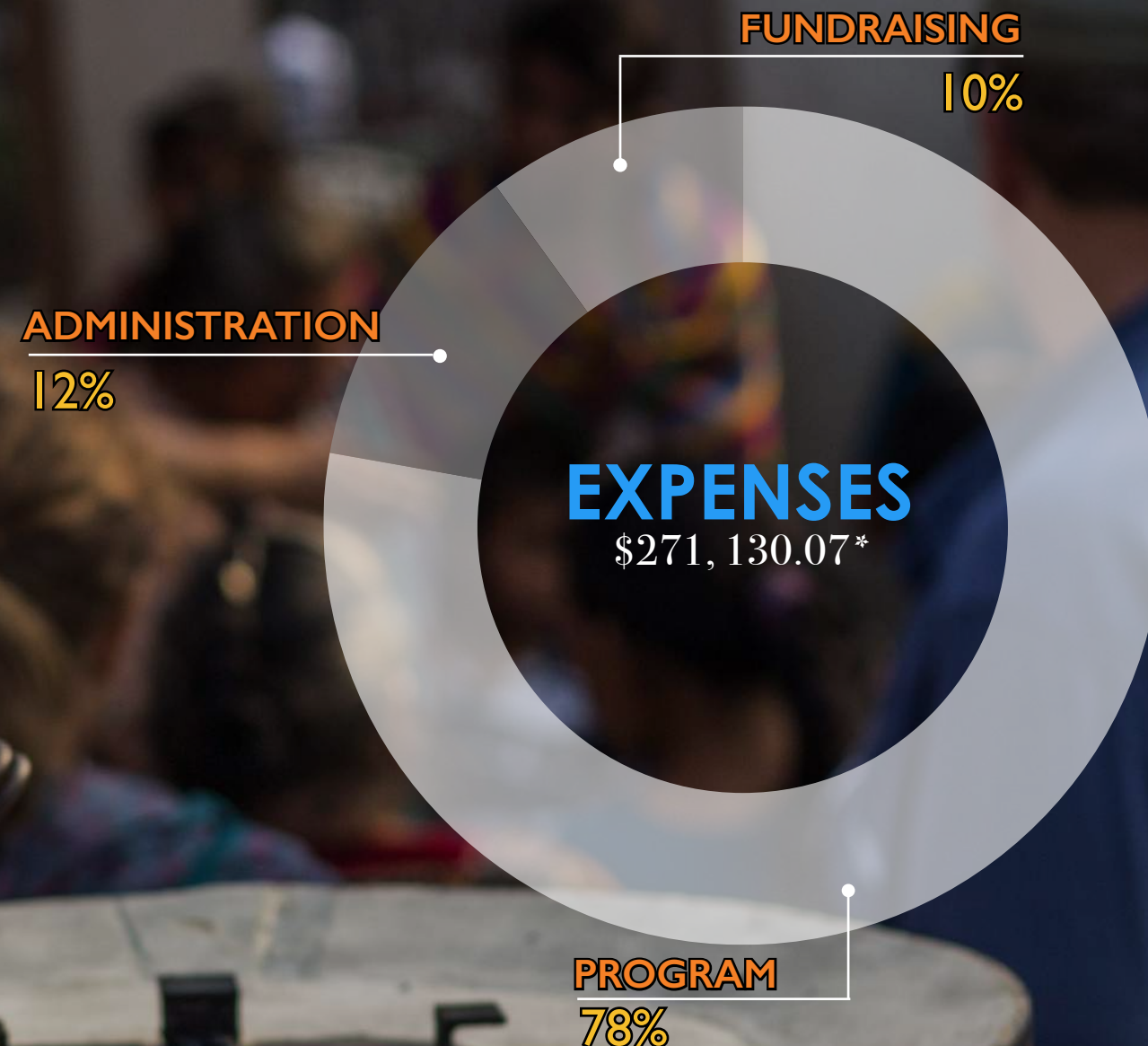
“StoveTeam has allowed me to make connections with amazing people in Latin America. My trips to Honduras and Guatemala have opened my eyes to the efforts and triumphs of people living very different lives than my own.”
 ALEXIS HASKETT-WOOD
 Volunteer and Intern



CHEERS FOR VOLUNTEERS!

2016

83 volunteers dedicated **3960** hours to producing and distributing fuel-efficient cookstoves to families in need.



* The negative net income is a result of restricted grant revenues received in a prior fiscal year and expended during this fiscal year.

FINANCIALS

OUR TEAM

Board of Directors

President and Founder
Nancy Hughes
Vice President
Gerald Reicher
Don Steely
Marga Larson
Jay Lamb
Susie Hanner
Bob Way
Sam Roberts

StoveTeam Staff

Program Director
Katie Laughlin
Outgoing Volunteer & Program Coordinator
Kim Forrest
Incoming Volunteer & Program Coordinator
Inara Fernandez

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“What I love about StoveTeam is that it’s a win, win, win project. It vastly improves the health of families, it reduces deforestation, and it supports local economies by providing jobs and using local vendors for materials and supplies.”

SUSIE HANNER
Board Member



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