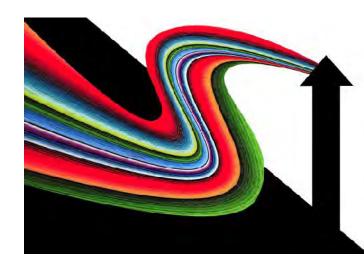
Guatemala Stove Project

Rotary Club of Ottawa South



Presented by Guatemala Stove Project Volunteers - May 2023



Guatemala Stove Project





Our mandate - to assist in the relief of poverty and improve the health and well being of the indigenous people of Guatemala. Our main work is to fund the building of masonry cookstoves for Maya families. Smoke in the home from open cooking fires causes numerous health issues.





The smoke affects young and old.



Creosote collects in the house and emits poisonous gases.



How we build a masonry cookstove:

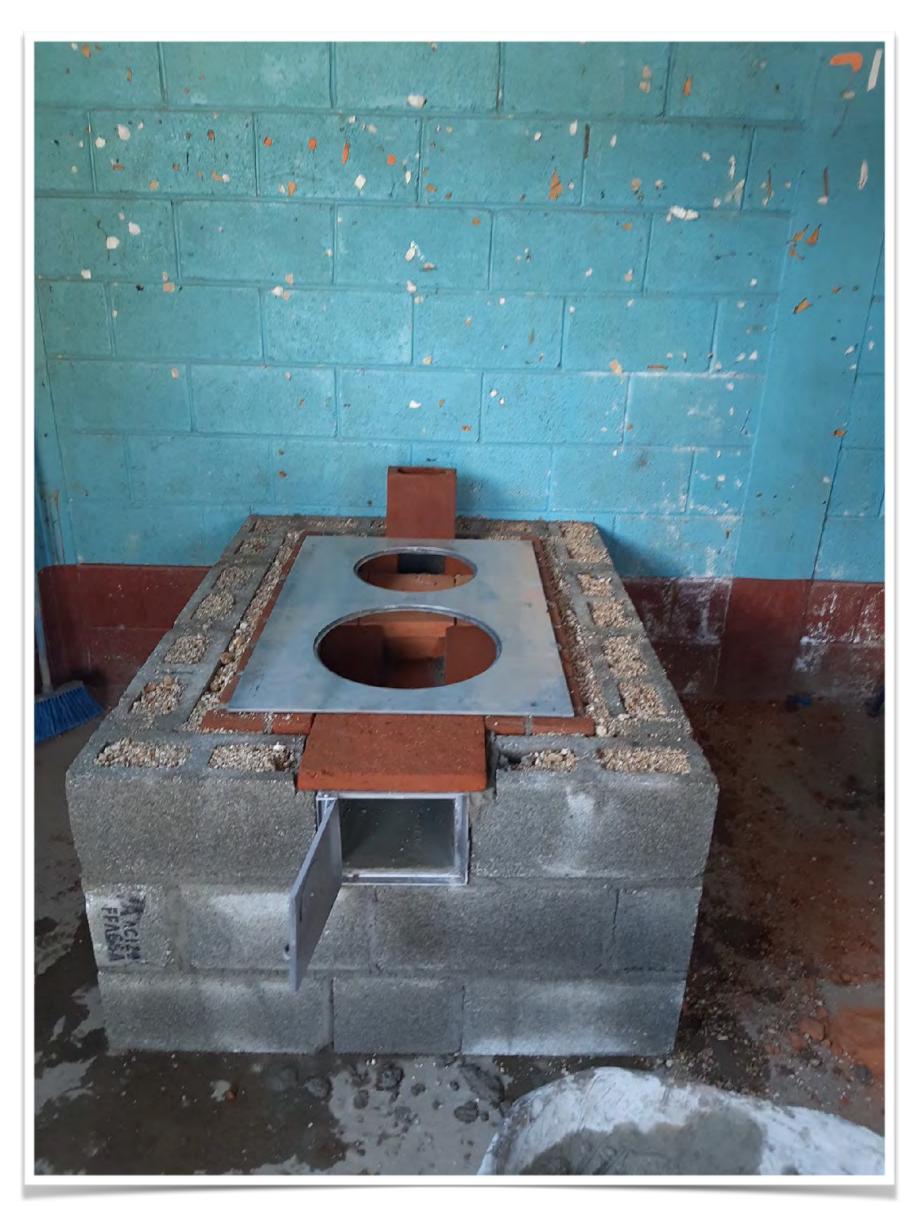


The mason builds a framework of cement blocks filled with sand and gravel.

Inside is a firebox built with fire resistant bricks to hold the wood fuel and direct the smoke through the cookstove and out of the house.



Stove top and tiles



The steel 'plancha' or stovetop is put in place.

Decorative tiles and chimney tubes are added on.



Chimney tubes and parging



The chimney tubes are added on and directed out through the steel roof.

The outside of the cookstove is parged to give a nice finished look.



Mason Marvin Vissoni is mixing cement and working on the chimney.



Finished school cookstove in 2021 for the community of Taltimiche - will be used to cook **lunches for 422** children.



This family cookstove will be used to cook for 9 members of an extended family.

We have built almost 8000 cookstoves in 24 years



What's Right With This Picture?

Pots boiling water for drinking, washing and soaking 'masa'.

The benefits of a GSP cookstove

An enclosed firebox that contains heat and flames.

Reduced respiratory illnesses, burns and blindness.

A raised working and cooking surface.



10+ years of improved health for the whole family! At least 50% less wood needed for cooking food.

A chimney to vent poisonous smoke and gases out of the house.

Reduced carbon emissions.

A hot 'plancha' or stovetop for cooking tortillas.

More time for women to engage in income earning activities.

A Cleaner, Safer, Healthier Kitchen! *Build a Stove – Change the Future* www.guatemalastoveproject.org

The environmental impact of wood burning cooking fires -The never ending search for wood for cooking fires - causes deforestation and carbon emissions.



Wood cutting and conversion of forests to agriculture lead to landslides and erosion.



Deforestation and C02 emissions - families use 50% less firewood with a GSP cookstove.



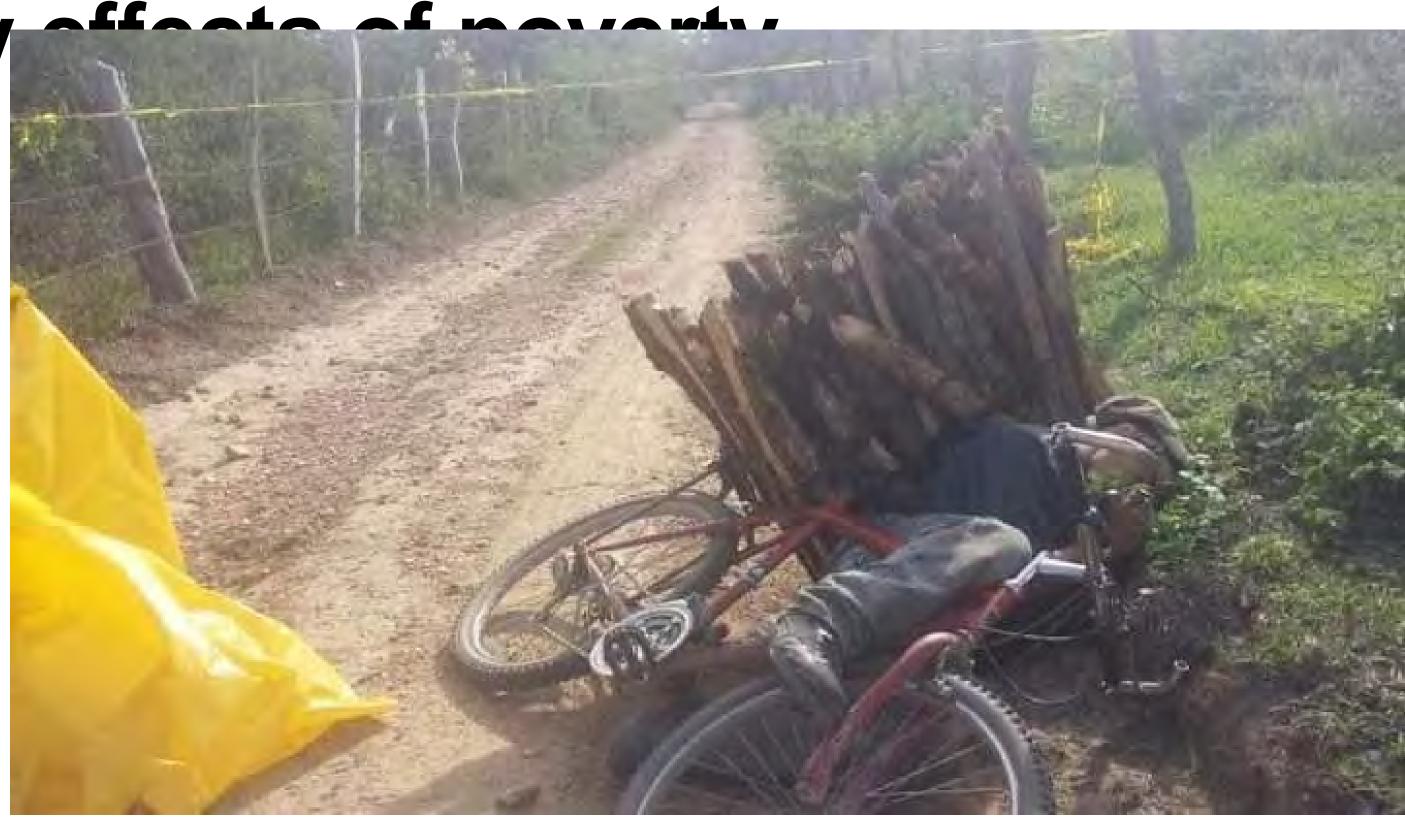
Carbon savings per cookstove - 2 to 3 tons of carbon emissions saved annually average of 20 to 30 tons of carbon emissions avoided over a 10 year average lifespan of a cookstove.



Wood poaching is illegal and dangerous.



The deadly



Padre Miguel 502 September 26, 2021

Shared with Public

<u>#lamentable</u> Carlos Enrique Nolasco es el nombre de está persona qué murió víctima de la necesidad de la pobreza qué impera, El recibió 3 impactos de bala por culpa de esa leña qué uds ven en su bicicleta triste pero es la realidad. Supuestamente por sacar la leña de una propiedad privada le quitaron la vida. Q.P.D. Reflexión, el rico por más que cuide sus pertenencias no se lleva nada. Dios da y Dios quita.





Volunteers, masons and family members work together to build a cookstove



Family of Lidia and Julio in Xecam, Cantel, Jan. 2023





GSP currently supports 15 young women bursary students.



GSP contributes to a micro loan project with one of our partner organizations AMMID is Comitancillo, San Marcos



GSP provides emergency medical support when appropriate and possible





Perth Rotary Club Collaboration 2013-2014 Water Project - Panimaquim



Additional support from Perth Rotary and Bytown Rotary Ottawa for construction of cookstoves



Thank you for your interest! It currently costs us \$350 to build a cookstove