

Key Project Information: Estufas Chispa Cookstove Project

Introduction

Estufas Chispa and CO2balance are developing a project which will sell and distribute improved cookstoves in rural areas of Guatemala, benefiting thousands of households. By providing improved cookstoves, households will reduce their exposure to smoke from three stone fires, which has a big impact on their health. The stoves will also reduce their demand of firewood, resulting in a reduction of carbon dioxide emissions, which has a direct impact on climate change.

Income generated by the sale of carbon credits, from savings in wood use, will be reinvested in this project and other development projects. This micro-scale project will be developed under the Gold Standard Foundation, which in addition to verifying and issuing the carbon credits, also measures local social, environmental, and economic impacts towards the UN Sustainable Development Goals (SDGs) for a minimum of 5 years from project start.

Technology

The project stoves are designed and manufactured locally by Estufas Chispa.



Figure 2 Chispa Plancha



Figure 3 Chispa Jumbo

The stove uses wood fuel. Its parts are durable, but easily replaceable should breakdowns occur. Each stove shall have a unique serial number to distinguish it from other stoves, when it is sold the householder is given a receipt identify it and to avoid double counting.

Sustainable Development

This project aims to contribute to the following United Nations Sustainable Development Goals:

Sustainable Development Goals (SDGs)	United Nations Targets	Project Impact
	SDG 3.9 By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and, air water and soil pollution and contamination	Reduces the amount of non-renewable biomass used for cooking, thus reducing CO2 and total emissions and also features a chimney to reduce household air pollution (HAP).
	SDG 7.B Expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programmes of support	The project increases the proportion of the population relying on clean cooking technology.
	SDG 13.B Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities.	CO ₂ emission reductions by removing the need to cook over three stone fires

Project Implementation

The **Baseline Study** was conducted between March and June 2022 This captured the baseline scenario of communities’ cooking methods prior to project implementation. This forms the base of the project from which the emission reductions will be calculated.

The **Local Stakeholder Consultation (LSC)** will be held virtually in October 2022, and physically when COVID allows. This involves bringing together various stakeholders such as end users, local and international NGOs, Women’s Groups and local officials to discuss the project. The Project’s potential impacts and the **UN Sustainable Development Goals** will be discussed, and attendees will be asked how best to enhance the positive effects and mitigate any negative effects. Comments and suggestions will be considered when implementing and monitoring the project.

To be involved within the project, the client must agree to transfer rights to the emission reductions generated from their clean cooking stove. This will be fully explained during the LSC and to community representatives where stoves are sold so they fully understand and voluntarily agree. Each cookstove that is part of the project will be branded with a unique ID number for the lifetime of the project to prove its involvement.

Project Monitoring will take place during annually. A random selection of households will be visited to complete surveys. This will show the stove usage and access habits of end users. The data collected here is used to

calculate the emission reductions. Once this is complete the **Gold Standard Foundation** will review and certify the carbon savings.

Contacts

Maria Jimenez Nanhekhan, Project Manager CO2balance – maria.jimenez@co2balance.com

Estufas Chispa WhatsApp +502 - 4973-4331

Gold Standard Foundation - help@goldstandard.org – www.goldstandard.org