

# Improved Cook Stove Project

**Making positive social, environmental and economic change.**

Deforestation in Rwanda impacts not only the environment but also the rural communities that source their fuel for cooking and heating from nearby woodlands.

## The Project

This project mitigates climate change caused by the combustion of unsustainably harvested biomass. More than 21,000 fuel efficient stoves have been provided to families in rural areas of the Bugesera District in the Eastern Province of Rwanda.

In Rwanda, families traditionally cook on thermally inefficient 3-stone fires inside homes with little ventilation. These large fires expose households to indoor air pollution and consume a lot of firewood which contributes to deforestation.

Wood and charcoal are obtained almost exclusively from the forest. Firewood collection, predominantly done by women and girls, is time consuming and hazardous, taking them away from other developmental activities.

The impact of deforestation in Rwanda is widespread, affecting the livelihoods of local people – mainly the rural poor – where it disrupts important

environmental functions, such as water and soil and soil nutrient retention.

Smoke inhalation can cause respiratory infections and lung diseases particularly young children and other women who are cooking.

The cook stoves in this project are manufactured at a Rwandan factory from locally sourced products, supporting the economy and employing people from the Bugesera District.

Rwandan households that are provided with fuel efficient cook stoves have less exposure to smoke from burning wood and coal of open fires and fewer burns and injuries occur.

As there is less reliance on wood collection families have more time for schooling and the supervision of children.



**Gold Standard**  
Climate Security & Sustainable Development



## Project Key Facts

**Type:** Energy Efficiency - Improved Cook Stoves

**Location:** Kigali, Rwanda

**Status:** In operation, credits available

**Emissions Reduction:** 1000 credits per project area, per year

**Vintage:** 2018

**Certification:** Gold Standard

### Positive impacts

- Reduced deforestation and degradation of surrounding forests
- Reduced soil erosion and nutrient loss
- Reduced risk of flooding in hilly areas
- Reduced burden on women and children to collect firewood
- Decrease in respiratory infections in rural households

**3** GOOD HEALTH AND WELL-BEING



### Good health and well-being

Improved household air and reduced injuries and burns.

**5** GENDER EQUALITY



### Gender equality

Less time cooking and collecting firewood by women and girls.

**7** AFFORDABLE AND CLEAN ENERGY



### Affordable and clean energy

Energy efficient cook stoves replace combustible fuels for heating and cooking.

**13** CLIMATE ACTION



### Climate action

Reducing greenhouse gas emissions.



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