

Support Households to Reduce their Energy Consumption in Burundi

Project description

The project activity consists in producing and distributing efficient cooking stoves for households in Burundi in replacement of traditional stoves. Burundi is a landlocked country classified as a Least Developed Country. Between 1990 and 2010, the country has lost 40% of its forest cover, that is why Powa decided to take action and has developed this program (operational since 2018). Their objective is to fight climate change, deforestation and contribute to sustainable development in Burundi.

Currently, the common practice for cooking in most households consists of using traditional wood fuel cooking stoves such as open fire system (3-stones), and old masonry stoves. These stoves are notoriously wasteful with an efficiency level around 10%, and produces smokes that can cause respiratory disease.

The improved cookstoves are locally-manufactured in Bujumbura, they have a better efficiency level, are more user friendly and produce less harmful smokes. They will help users to slash down their budget allocated to wood fuel purchase, and it will enhance food security by releasing budget to buy more diversified food.

Project developer

Powa is a private company established by OBEN's founders. They have more than 15 years of experience and operating 5 successful carbon programs, employing 175 staff and generating \$2m of turnover (2021). Their production facility is located in Bujumbura. The site stretches across 6 hectares and features 3 lines of production for the stoves. A fleet of 14 vehicles is dedicated to supply & deliveries.

Project details

Project name:
Improved Cooking Stoves Program in Burundi

Project type:
Efficient Cooking stoves

Location:
Burundi

Project owner:
Powa

Status:
Operational

Project ID:
Verra VCS 2828

Key facts

506,000 tCO₂
saved/year

6,000 stoves
distributed each month

500k households
to be equipped by 2025



The program takes place in all Burundi

Pictures



Impacts



Between 1990 and 2010, Burundi lost 40% of its forest due to deforestation.

The project avoids deforestation in the country.



Traditional stoves use a lot of wood fire to produce heat and cook the meals.

The new stoves reduce by 50% the consumption of wood fire.



Traditional stoves (open fire three stones) make it difficult to control the fire, and increase the risks of fire hazard.

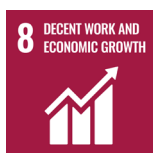
The new stoves limit all of these risks, with a new design making it more user friendly and safe to use.



Traditional stoves produce harmful smokes

The project reduce indoor air pollution and related risk to respiratory diseases.

Sustainable Development Goals



Key facts

1600 hectares
of forest preserved/ year.

50 people
working on this program
(manufacturing and distribution).

50%
reduction of fuel consumption
and associated expenses.

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