

COOKING UP CHANGE IN SUDAN



Across Africa millions of people cook and heat water on charcoal and wood open fires in their homes. Using wood and charcoal emits high levels of indoor air pollution, is damaging to the local environment and is carbon emissions intensive. Carbon Clear, in partnership with charity Practical Action has developed a project funded by corporate organisations that helps families in Darfur, Sudan buy new, cleaner low smoke cookstoves.

REDUCING CARBON EMISSIONS

LPG has lower greenhouse emissions than any other fossil fuel with 50% fewer carbon emissions than coal and 20% fewer than heating oil.

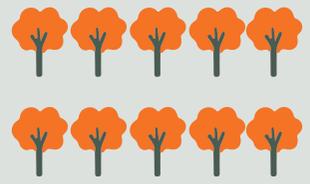


Each stove installed in a household in Darfur saves 4.5 tCO₂e - equivalent to one passenger flying 3 TIMES between London and New York.

STOPPING ENVIRONMENTAL DEGRADATION

Sudan is a country already affected by climate change. Drought and desertification are a reality. In Darfur where there has been intense conflict for many years, there has been extensive damage to native tree cover as people cut down trees for fuel.

A household cooking with traditional stoves consumes 2 tonnes of wood per year which is the equivalent of approximately 10 trees.



The project over comes these issues by using LPG.



PREVENTING FUEL POVERTY

Reducing energy poverty is one of the United Nations' Millennium Development Goals. This project reduces energy poverty as households are able to afford a stove and save money buying fuel.

The project offers loans to buy the stoves through a micro-finance project operated by the local community.



THE DARFUR LOW SMOKE STOVES PROJECT

6,311 stoves have been installed in people's homes

We aim to **DOUBLE OR TRIPLE** the amount of cookstoves distributed so far in the next five years.

SAVES 350K OF CO₂

This will save over 350,000 tonnes of carbon dioxide the equivalent of driving around the earth 36,000 times!



MAKING FAMILIES HEALTHIER

According to the World Health Organisation, each year 4.3 MILLION people die from cooking-related indoor air pollution-caused illness — more than deaths from malaria, HIV/AIDS and tuberculosis combined.

4.3 MILLION DEATHS A YEAR!



Cooking on a fire inside the home is like cooking on a charcoal BBQ inside – it emits high levels of smoke.

AIR QUALITY GREATLY INCREASED!



Almost 100% of families using the new cookstoves delivered by the project state that indoor air quality has GREATLY INCREASED.



EMPOWERING WOMEN

In a country where the cultural norm is for women to carry out most domestic tasks, the stoves can help empower women.



MORE TIME FOR WORK
93% of women surveyed said that they have more time for working since buying a stove, generating another income for their household.



MORE TIME TO SPEND WITH CHILDREN
Typically, buying fuel would be a daily activity, but an LPG canister can last a month, so more of their time is free. 63% of women surveyed said they have more time to spend with their children.



HUSBANDS GET INVOLVED
Interestingly, the new stoves distributed through the project have seen more husbands involved with cooking activities, around 40% of women surveyed said their husbands showed an interest!

