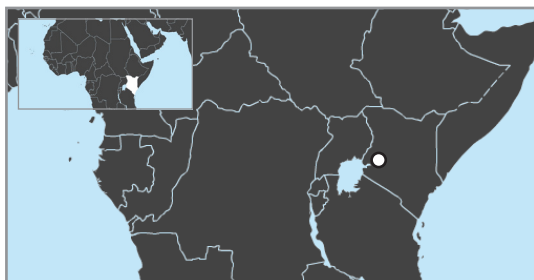




Efficient cooking stoves and Water purification filters, Kenya

Fuel use from increasingly scarce firewood is a growing problem all over Africa. This carbon financed, cooking stove and clean water project addresses deforestation, carbon emissions and health issues.

Location



Known as a top tourist destination for safaris and wildlife, remote parts of Kenya continue to be impacted by water shortages, poverty and disease.

The Paradigm Healthy Cookstove and Water Treatment Project generates credits by both from water filters, that reduce the need to boil drinking water with dirty fuels, and by energy-saving cookstoves as part of the same project.

Project



The Paradigm Healthy Cookstoves and Water Treatment Project seeks to improve health and incomes throughout Kenya by reducing time and money spent acquiring fuel for household and institutional cooking, and by providing local populations with improved access to clean water. The project operates in 8 provinces of Kenya: Central, Coast, Eastern, Nairobi, North Eastern, Nyanza, Rift Valley, and Western provinces.

This Project is collaborating in Kenya with a range of local partners including World Vision and Food for the Hungry to reach customers with a range of models of efficient healthy cookstoves. The Project is also investing carbon finance in local manufacturing capability to manufacture over 100,000 stoves per year.



Impact Carbon has developed a Safe Water Access Project in East Africa. By providing people with clean water solutions, they no longer have to rely on boiling as their treatment method. The project are expanding within Kenya and to Uganda. The project supports a range of locally appropriate technologies that allow Kenyans to access safe water without emitting the greenhouse gases that result from boiling water over an open fire.

Project achievements



Socio-economic impact:

- The project lowers the incidence of water-borne disease in Kenya – the third largest killer in the country.
- The project will give Kenya an alternative to the development path followed by other developing countries such as Indonesia, where carbon emissions from water boiling increased as the country became more prosperous.
- In some communities, girls have to collect firewood, keeping them from attending school. An efficient stove cut down the trips to collect fuel per week.
- The Paradigm Project has also pioneered a first-of-its-kind implementation model by developing last-mile supply chains and using market-based mechanisms fully funded by social investment capital.
- The project creates employment (e.g. jobs distributing and sale of filters and stoves and monitoring their use).
- The avoidance of wood fires for boiling water reduces exposure to smoke that contains hazardous air pollutants, improving the health of mothers and children.
- The project saves time and financial resources formerly spent on gathering or buying wood.
- Project involvement in community education about the negative effects of indoor air pollution dirty drinking water. and to involve youth in manufacturing and marketing.

Environmental impact:

- The project is reducing baseline deforestation levels, saving forests and wildlife habitat, and improving the water storage capabilities of the soil.
- The project is reducing the number of smoky fires and improving air quality.
- The project will support a range of locally appropriate technologies that allow Kenyans, who must now boil water or drink con-

Checklist Project 301 280



✓ Additionality and permanence:	according to the rules of the Gold Standard
✓ 3 rd party verified:	by Det Norske Veritas
✓ Transparency:	provided by the Gold Standard Registry
✓ Annual CO ₂ -reduction:	1.3 Mio. tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	high resolution pictures available

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