

ETHANOL BIOFUEL STOVES, KENYA

Key facts:

- Health and livelihoods | Clean cooking project
- Reduces 150,000+ tCO₂e per year
- Supports 6 of the 17 UN SDGs
- Verified under Gold Standard

Gold Standard[®]



Challenge

Around 3 billion people, almost 40% of the world, still lack access to clean cooking technologies according to the Clean Cooking Alliance. Access to an efficient cookstove can reduce day-to-day emissions and the future demand for fossil fuels in Africa to reduce deforestation.

Solution

Ethanol stoves burn cleanly and are use a renewable biofuel that can be created from waste like sugar cane pulp. Carbon finance is used to subsidise the upfront price of stoves to a level that is affordable for local households. Clean cookstove projects also create jobs for local craftspeople as well as maintenance and distribution professionals.

Impact

Clean cooking technologies like ethanol stoves can reduce the burden of unpaid work, which remains a major cause of gender inequality. Ethanol stoves also improve health by eliminating exposure to smoke and particulate household air pollution from cooking. The demand for non-renewable fuel such as wood and charcoal for cooking is also reduced.

