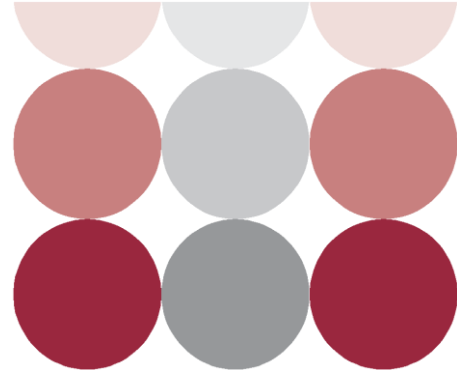




The Gold Standard[®]
Premium quality carbon credits

Multiple Projects



Data Sheet

Gold Standard Project

Msambweni Kenya

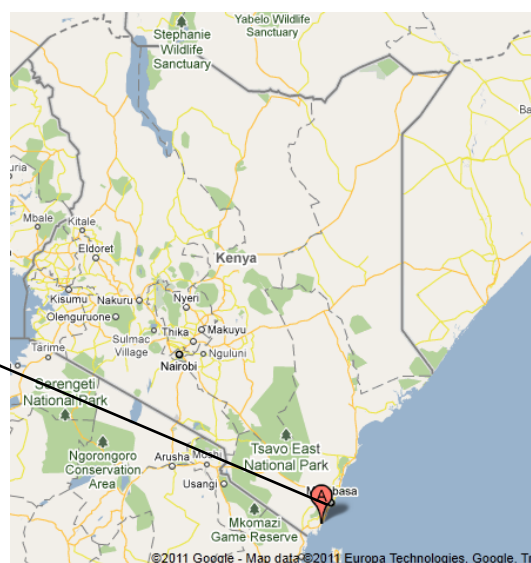
The co2balance energy efficient stoves program has an enviable reputation for providing premium carbon reduction. The health, social and welfare benefits to the project communities are immediate and long lasting.

Applicable Methodology: Gold Standard Technologies and Practices to Displace Decentralised Thermal Energy Consumption V.1

Scale: Gold Standard Small Scale; Listed project, GS 976

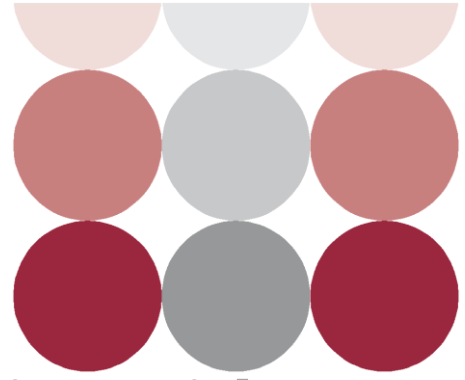
Projected credits 60,000 TCO₂e each year

Msambweni has an estimated population of 249,000. Msambweni's mostly agriculture-based economy sputters along: lack of education and scarcity of jobs have inflicted poverty on large swathes of its population. Msambweni's unemployment rate is on the cusp of 80%. The residents are mostly subsistence farmers whose food security is frequently hampered by periodic droughts and frequent wildlife incursions. The inability to rely entirely on their farms has forced these people to resort to other modes of survival that are detrimental to their surrounding environments.



About co2balance UK Ltd

Established in 2003, co2balance UK Ltd is a leading, UK based, carbon management provider offering carbon calculation, management and reduction services to leading blue chip companies including, BSKyB, Toshiba Europe, Gaz De France, Fiat and Flybe. As a project developer co2balance UK Ltd creates African Gold Standard and CDM projects that focus on social, health and community benefits to the families within the project area, in addition to carbon savings.



Carbon reduction with community benefits

The problems associated with fuel collection also pose significant social issues. Women walk up to 12km to collect fuel wood and consequently, they are often harassed in remote areas. Children are also involved in fuel collection; this is reflected in the low literacy and school enrolment rates. Deforestation is a significant issue, with such a large population dependent on wood fuel.

In Kenya, cooking is traditionally carried out indoors on thermally inefficient 3-stone fires, which results in incomplete combustion and the production of large amounts of smoke and indoor air pollution. Indoor air pollution has been linked to a range of health problems such as acute respiratory infections (ARI) in children, chronic obstructive lung diseases (such as chronic bronchitis and asthma), lung cancer and neonatal complications.

The Msambweni Improved Cook Stoves Project, funded by carbon offset donors, will distribute energy efficient stoves developed by co2balance to reduce carbon release by 60,000 TCO₂e each year.

This project will mitigate climate change caused by the combustion of unsustainably harvested biomass, it will reduce pressure on woodlands and it will also reduce atmospheric pollutants inside stove owners' homes.

Co-Benefits: This project, in addition to reducing greenhouse gas emissions, will contribute towards the following co-benefits:

- ✓ Reduced deforestation and degradation of surrounding forests
- ✓ Reduced soil erosion and nutrient loss
- ✓ Reduced risk of flooding
- ✓ Reduced poverty, as the efficient wood stove reduces annual expenditure on cooking fuels
- ✓ Reduced adverse health effects associated with indoor air pollution
- ✓ Reduced cooking and wood collection time; householders can spend more time on other household tasks, as well as schooling and supervising children
- ✓ Reduced exposure of firewood collectors (mainly women and children) to hazards in remote areas
- ✓ Reduced burns and injuries from exposure to an open fire

Accreditation: This project is being conducted under the strict guidelines and validation process of the Gold Standard.

Investor support: All co2 projects are supported by an extensive media library, containing full project documentation, case studies, digital images and video from the project areas. Professional marketing support is also available to assist you in making the most from your investment. This includes use of the co2balance and CarbonZero brands in any marketing materials. Full technical documentation is available on request.

