



# Carbon Offset Impact Report 2019

## Light for the World

This document provides details on the social and community impacts linked to Light for the World's carbon offsetting activity during 2019

May 2019



### About CO2balance UK Ltd

Established in 2003, CO2balance UK Ltd is a project developer of high impact, community focused, environmental projects that deliver quantifiable results data that aligns with corporate sustainable reporting indicators. Primarily African based, projects include bespoke CSR and Gold Standard carbon offset projects that provide social, health and community impacts.



## BACKGROUND

This report is an Impact Report based on Light for the World's carbon offsetting activity that was carried out during 2019. This was achieved through Light for the World working with CO2balance (project developer) and supporting its Uganda Borehole Rehabilitation project. The report outlines the positive impacts on the local communities in Uganda thanks to this offset activity.

## OVERVIEW

- Reporting period covered – 2019
- Tonnes of carbon dioxide (CO<sub>2</sub>e) – 1,000
- Offset project supported – Uganda Borehole Rehabilitation Project

## CARBON OFFSET PROJECT – UGANDA BOREHOLE PROJECT

The project is based around the rehabilitation of boreholes in Northern Uganda, supplying families with fresh clean water. As well as the natural health benefits, it means that families no longer have to boil the water, saving firewood and thereby preventing carbon emissions from being released.



Access to safe drinking water is a serious issue in Africa affecting the health and well-being of local communities. A survey by the International Institute for Environment and Development (2009) revealed that there are an estimated 50,000 defective water supply installations (IIED 2009). In addition, it was estimated that 40-50% of hand pumps in sub-Saharan Africa were not working (Diwi Consult & BIDR, 1994). In addition to funding the borehole rehabilitation, the carbon credits that this project produces creates a funding mechanism to deliver a long-term maintenance programme for the boreholes.



## IMPACTS – UGANDAN BOREHOLE PROJECT

The carbon offsetting that has taken place thanks to Light for the World has resulted in numerous impacts to the local communities within the project areas of Uganda. The table below provides a summary of these impacts:

Impact Sector	Impact	Quantitative Data
<b>Environment</b>	CO <sub>2</sub> e prevented	1,000 tonnes <sup>1</sup>
	Wood saved	706.5 tonnes <sup>1</sup>
<b>Social</b>	Infants (< 5) impacted	125 <sup>2</sup>
	Children impacted	194
	Adults impacted	251
	Total people impacted	570
<b>Health</b>	Clean water supplied	1,560,967 litres <sup>1</sup>

<sup>1</sup> Wood saved and clean water supplied - Calculations based on field measurements conducted by staff contracted to CO2balance and are conducted according to the requirements defined by the Gold Standard. Monitoring data is available on the Gold Standard registry.

<sup>2</sup> People Impacts – Calculations based on field measurements conducted by staff contracted to CO2balance and survey data from the Uganda Bureau of Statistics.



## EXTERNAL PROJECT VERIFICATION

The Uganda Borehole Project has been externally accredited through the Gold Standard; an internationally respected standard that assesses the social and community benefits to the region in addition to carbon saving. The Gold Standard Foundation is a Swiss based, non-profit organization providing certification of premium quality carbon credits in both the voluntary and compliance markets.



The thorough and extensive methodology and approval process of the Gold Standard is designed to certify the highest quality energy efficient and renewable energy carbon reduction projects. All Gold Standard certified projects demonstrate real and permanent emissions and sustainable development for the local communities that are measured, reported and verified.

The Gold Standard quality benchmark is derived from the actions of the Kyoto Protocol and its methodology is currently endorsed by over 70 non-governmental environmental and development organizations worldwide.

## CASE STUDIES

### ADONGO FIONA

“My name is Adongo Fiona, I am 13 years old and I study in Telela Primary school. I am in level 3 and my best subject is science. I want to be a nurse when I finish school.

I am happy for this borehole because I no longer have to travel long distances to collect water for our household. We no longer suffer from diseases like diarrhea and typhoid because the water is clean. Thank you for this water.”



### OMARA GEORGE

“My name is Omara George aged 49 and I live in Dokolo District. I am a user of the Aminoleke borehole that was rehabilitated by CO2balance in 2013. Before the borehole was fixed, my family used to walk long distances in search of water and would collect it from the swamps because the only alternative source was too far away. Having a large family meant we had to collect water twice a day to meet our needs.





I was also afraid that my wife and daughters could be attacked or raped while they were collecting water especially during the evening hours since we still had rebel activities in our village. The water we drank was always dirty and I worried my children would become sick with typhoid or other water borne diseases that are common in this area. Our lives have improved so much since the borehole was repaired; the water yield is always good and clean, and most of all I am happy because my family are safe and have more time for going to school and the farm. We are very happy with the project and grateful for all the help you have provided us.”

## LINKS TO THE UN'S SUSTAINABLE DEVELOPMENT GOALS

In 2016 the UN launched their Sustainable Development Goals, a set of 17 measurable Sustainable Development Goals (SDGs), ranging from ending world poverty to achieving gender equality and empowering women and girls by 2030 - <https://sustainabledevelopment.un.org/>. Through their offsetting via the Uganda Borehole Project, Light for the World are supporting 11 of these 17 Goals:



## CONTACT DETAILS

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