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IMPACT
WATER

Safe Drinking Water Solutions

Lighthouse Project

Global Safe Water Program



Background

Schools throughout the world have a multitude of challenges, and these challenges are exacerbated when the basic inputs for health and student safety are not in place. Safe water, for example, is a daily challenge and boiling is often the only available option to make drinking water safe for students.

Treatment technologies exist but are typically not affordable, accessible, or easily maintained. Thanks to innovative finance, emission reductions created by displacing firewood for boiling can now provide a cost-effective and sustainable mechanism for scaling safe water access in schools.




About the Project

Our partner Impact Water is a global social enterprise dedicated to providing safe drinking water to schools. The project delivers reliable, low-cost water treatment technologies to public and private schools in developing countries and finances its operation through carbon emission reductions resulting from the displacement of boiling water.

To date, over 10,000 schools and 3m+ students have been reached. Over time, the project aims to expand to reach 100,000+ schools in support of the human right to safe drinking water and the SDGs.




10,000
schools


>3m
students

Key Facts

Location:	Nigeria, Kenya, Uganda
Project Type:	Energy efficiency
Total Emission Reductions:	600,000 tCO ₂
Project Standard:	Gold Standard (GS)
Project Start Date:	September 2014

Sustainable Development

While focusing on reducing greenhouse gas emissions, all our projects also generate multiple co-benefits.

Schools are considered “social pillar investments” for the SDGs and Impact Water’s safe drinking water service to schools contributes directly to many SDGs, including:



Good Health and Well-Being

Safe water is a vital input to both health and well-being.



Quality Education

An effective learning environment cannot be achieved when it is not safe; safe water must be present to help ensure students can attend school regularly, remain healthy and fulfil their human right to education.



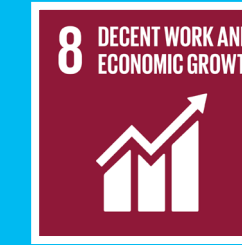
Gender Equality

The project helps create improved gender ratios when safe water is combined with improved sanitation services as menstruation management becomes easier for girls.



Clean Water and Sanitation

It is estimated that over 40% of diarrhea is attributable to the school environment; students need to hydrate at school and schools lack the means to effectively treat their water to make sure it is safe.



Decent Work and Economic Growth

The project contributes to socio-economic advancements which result from reduced absenteeism at school and enables financial savings as boiling and buying bottled water is expensive. According to the WHO, investing in water and sanitation provides US\$ 4.3 return for every dollar invested, due to reduced health care costs for individuals and society, and greater productivity and involvement in the workplace through better access to facilities.



Reduced Inequalities

By delivering on the human right to safe drinking water, inequalities at local, national, and global levels are reduced.



Climate Action

The project contributes to reduced biomass consumption and a corresponding decrease in indoor air pollution as the water systems often replace boiling resulting in large CO₂, methane, carbon monoxide, and particulate matter emission reductions.

Technology: How it works

Impact Water supplies schools with globally-proven water treatment technologies that meet national and international drinking water standards. Its safe drinking water systems work for all schools, even those without electricity or piped water, ensuring that it has a solution for all schools regardless of their unique infrastructure challenges.

Water purifying technologies utilized by the project involve chlorine tablets, ceramic water filters, automated chlorine water treatment systems and ultra violet water purification systems.



Growing the Safe Water Sector

First Climate is a collaboration partner with Impact Water. Through this collaboration, our two companies join forces with the aim to market emission reductions from over 10,000 partner schools. The project combines low-cost, proven water treatment technologies with installation, maintenance and repair services to schools throughout Nigeria, Kenya and Uganda. First Climate is proud to contribute to this impactful project which is delivering safe water to over 3m students.





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In cooperation with:



Safe Drinking Water Solutions

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