



Global Safe Water Program

<p>Emission Reductions</p>  <p>2,000,000 t CO₂ e p.a.</p>	<p>Project Technology</p>  <p>Energy Efficiency</p>	<p>Project Standard</p> <p>Gold Standard[®]</p>
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Schools worldwide face numerous challenges, especially when essential health and safety measures are lacking. Access to safe water is a daily struggle, and boiling water is often the only option available to ensure their drinking water is safe. However, affordable and easily maintainable treatment technologies are typically inaccessible. Fortunately, innovative carbon financing now enables the use of emission reductions to provide a sustainable and cost-effective means of expanding safe water access in schools.

Impact Water, our partner, is a global social enterprise dedicated to providing safe drinking water to schools. The project offers low-cost, reliable water treatment technologies including installation, maintenance, and repair services to primarily public schools in Nigeria and Kenya. Funding is secured through carbon emission reductions resulting from the displacement of boiling water and the firewood needed to do so. The project utilizes water purification technologies that meet national and international drinking water standards. These systems can be installed in schools without electricity or piped water, ensuring a solution for any school, regardless of their infrastructure challenges.

The project has reached over 40,000 schools and impacted more than 16 million students. The long-term goal is to expand and reach over 100,000 schools by the end of 2025.

 **info** 

about project standards and technologies:
firstclimate.com/tech

Supported Sustainable Development Goals





Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.



The project works to ensure that all men, women, and children, in particular, the poor and the vulnerable, have equal rights to basic economic resources, as well as land, natural resources, and technology.



Safe water is a vital prerequisite for good health and well-being. The water sanitized in project is both for drinking and other sanitary uses, particularly for female students.



An effective learning environment cannot be achieved when unsafe; dependable water security can ensure students attend school regularly and are protected against waterborn illnesses, as well as supports the human right to education.



The project encourages improved gender ratios in classrooms, since when safe water is combined with improved sanitation services as menstruation management becomes easier for girls.



It is estimated that over 40% of diarrhea cases are attributable to the school environment; students need to hydrate at school. However, schools lack the means to effectively and safely treat their water.



The project leads to socio-economic progress by saving costs of boiling and buying bottled water. WHO states that investing in water and sanitation provides a US \$4.3 return on every dollar invested, lowering healthcare costs, and increasing workplace productivity.



The project contributes to reduced biomass consumption and a corresponding decrease in indoor air pollution. The water filtration systems can replace boiling thus reducing CO₂, CH₄, carbon monoxide, and toxic particulate matter emissions.



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