

# BIOLITE HOMESTOVES UGANDA

Improving health and access to affordable  
energy for Ugandan communities



*The BioLite HomeStove project distributes fuel-efficient cookstoves to Ugandan households. These cookstoves require significantly less fuel for cooking, as they rely on biomass sources rather than wood fuel from Uganda's precious forests. They also address electricity access issues by generating energy during cooking.*

### The Context

According to the United Nations, between 1990 and 2005 Uganda lost 26% of its forest cover, and currently has a deforestation rate of over 2% per year. While urban wood demand for construction and furniture plays a large role in this situation, the problem is exacerbated as 97% of the rural population collect firewood for basic needs. Around 95% of households in Uganda cook using traditional cookstoves that are inefficient and toxic.

### The Project

The HomeStove is an ultra-clean burning, fan-assisted wood stove that cuts toxic pollutant emissions by 90% and reduces fuel use by 50%. Using BioLite's Direct Conduction Thermoelectric System (DCTS), the HomeStove also generates its own electricity – providing users with enough reliable, on-demand electricity from a day's cooking to fully charge a mobile phone or provide an evening's worth of bright, LED light.

### The Benefits

As considerably less time is spent collecting firewood or cooking, families are presented with a new opportunity for alternative economic development and a higher standard of living. The amount of indoor pollutants from the burning of biomass in the family home is also reduced, thus improving household health. Employment opportunities are created in the sale, distribution, maintenance and monitoring of the HomeStoves.

The HomeStove generates its own electricity, and can fully charge a mobile phone or provide an evening of LED light.



Gold Standard®



**1,300**  
stoves

distributed throughout Uganda, improving household health by reducing indoor smoke emissions created during cooking



**Jobs**

created in project operations, boosting local economies



**8,823**  
tCO<sub>2</sub>e

reduced on average annually, from reduced emissions and avoided deforestation



**50%**  
less firewood

needed for cooking, slowing deforestation rates Uganda

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

**Official name:** VPA 44 BioLite Improved Stove Programme, Uganda | **UNFCCC/markit/VCS link:** [https://mer.markit.com/br-reg/public/project.jsp?project\\_id=103000000009710](https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000009710)  
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