



BIOMASS COOKSTOVE TECHNOLOGY UGANDA

**Innovative energy saving stoves slow deforestation
and reduce pollutants in Ugandan homes**



By providing efficient stoves that require less biomass fuel to families in Uganda, this project is improving livelihoods and protecting forests from over-logging. The improved biomass stoves require less wood-fuel and release less carbon-intensive smoke, which means families can live in healthier conditions and spend less time laboriously collecting wood.



The Context

Two of the major causes of deforestation in Uganda are wood harvest and charcoal making for cooking. Wood demand for families is high, as around 95% of households cook using traditional cookstoves that require an endless supply of firewood, of which is mainly collected by women and children daily. Traditional stoves are not only inefficient, but produce copious amounts of wood-smoke that is harmful to the atmosphere and can contribute to respiratory and eye diseases.

The Project

This project distributes UpEnergy improved biomass cookstoves that reduce the amount of wood or charcoal consumption and indoor air pollutants caused from incomplete combustion. By providing high-quality, affordable biomass stoves to replace inefficient traditional stoves in regions throughout Uganda, the project reduces greenhouse gas emissions and improves livelihoods for Ugandan families.

The Benefits

By providing a more efficient stove, this project reduces the amount of wood fuel needed by families for daily needs. This not only addresses issues of unsustainable wood harvesting and the dangers of deforestation, but improves health conditions inside homes and means that time spent collecting fuel can be spent on more productive activities such as earning an income, tending to children or attending school. UpEnergy offers wages that are above the local averages and employees are paid overtime when applicable. By reducing the demand for wood-fuel, this project also avoids the risk of inter-communal conflict over resources.

Approximately 97% of the rural population in Uganda collect wood for basic needs. This project addresses deforestation by reducing wood fuel demands.



Gold Standard



**495
UG shillings**

saved per day for each household as stoves require less fuel to be purchased



**19,104
stoves**

in operation, reducing smoke in homes and improving the health of families



**23,503
tCO₂e**

reduced on average annually, by providing low cost efficient biomass cookstoves to Ugandan families



**64
tonnes**

of firewood is saved on average per year as stoves require less wood fuel than traditional cooking methods

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

Official name: UpEnergy's Uganda Biomass Cookstove Project | **UNFCCC/markit/VCS link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000001886
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