



TGUP Project Summary

Stoves and Solar Tanzania



MAASAI STOVES & SOLAR PROJECT
of the International Collaborative

Project Name:

Stoves and solar micro-grid for two Maasai villages.

Project Location:

The villages of Mti Mmoja and Orkatan in the Monduli district, east of the famous Serengeti national park.

Project Summary:

Install stoves and solar micro-grids to Maasai homes.

Project Detail:

Each home (16) will receive a stove. Each village will share a solar micro-grid.

Project Partner:

ICSEE (International Collaborative for Science, Education, and the Environment)

Project Cost:

\$2,400



TGUP, in partnership with ICSEE, will fund the installation of stoves and solar micro-grids to homes in two different Maasai villages.

The stoves are connected to a chimney to expel the smoke. Typically, Maasai women cook with an open fire in the middle of a very small, unventilated hut made of sticks and mud. This is not only dangerous but extremely unhealthy. 25 children per 1,000 die before the age of 5 from lung problems due to inhaling the smoke from the open fires. Many are also burned. The stoves will reduce wood consumption by 60%.

This project will place vented stoves into each home and install a solar micro-grid on the rooftop of one home in each village. The solar systems are put in place by trained Maasai women. This has given the women a salary and leadership within their communities.

The solar micro-grids provide light to the interior of the homes, allowing for evening activities. The exterior is also lit up which prevents predators from entering the compound and killing the livestock.

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