



Dear all

I wanted to send you some photos and a little update regarding this beautiful little Rocket stove that we put together in the last two weeks in Uganda. I'm so proud of the stove and the team that put it together!

The stove will retail, at first, for about 16US \$ which is a little higher than we wanted but the thing is such a beauty that **our customers** keep **raising the price** that they are willing to pay for the stove

Besides the usual nearly smokeless operation and its attractive paint job (done up with the colors of the Ugandan flag) here are a couple of the other highlights

- The skirt One fixed skirt with a 1 cm gap maintained between the **sides** of the pot and the skirt as well as **between** the top of the skirt and the pot by 10 mm round bar. The stove will also be sold with an optional removeable skirt to accommodate smaller pots. Fortunately, pot sizes are quite consistent in Uganda so many households already own a standard medium size pot (shown right)
- Pot supports 3 Pot supports around the combustion chamber and the top plate are made from used oil drum lids (.50US\$ each)
- Combustion chamber Cut pumice blocks laid up with with 2 parts fine grog 1 part fine clay and 10% sodium silicate
- Top plate insulation made from fine clay , exfoliated vermiculite



- and sodium silicate
- **Shelf A 2mm metal shelf** is connected to a **6 mm round bar wood support**. Building the shelf and the wood support together means users are less likely to throw away the shelf or the wood support



Here is the stove in operation . Notice the water boiling , no visible smoke and only 2 pieces of wood . In the next few weeks 40 of these will be made , sold and placed in homes around Kampala. Our goal is to produce 10,000 in the next two years

This project is exciting as it is one of only two **Household Rocket Stove** Projects in Africa funded by the EPA and the PCIA (Partnership for Clean Indoor Air) that will monitor **Indoor Air Pollution** and **fuel consumption** before and after the introduction of the Household Rocket Stove.



The stove was designed in conjunction with Kawere Muhammad (top left) who is the executive director of UCODEA (our main implementer and stove producer in Uganda) and his staff of 14 metal workers and brick layers.

In 2003, I visited Uganda for three weeks and trained GTZ and UCODEA on using Rocket Stove principles.

Since then, GTZ has built **30,000** built-in mud Rocket Lorenas (actually that's just in the last three months) , UCODEA and others have built approx 200 Institutional Stoves.

But up until 2 weeks ago almost no work had been done on designing a portable, commercially viable Household Rocket Stove. This project is so exciting as this is the first time I have felt, in Africa, that we have the right materials (appropriate low cost insulative bricks - a pumice combustion chamber costs 2 US\$) and the right criteria (a population who buys wood and charcoal and are willing to buy improved wood stoves)

So much work has been done with the Rocket Stove in Uganda. For example I kept bumping into people and I would ask THEM what they do for a living and they would say "Oh I'm a Rocket Stove Designer , What do you do ?"



Here is Kawere playing the part of the impatient and hungry husband who wants to eat . The wife, played beautifully by Mrs Muhammad telling her husband not to worry – with the new Rocket Stove food is coming fast!

Many thanks to all of the people who helped with the Project

- **John and Brenda from EPA** without their core funding absolutely none of this would have **happened** .
- **Dana** at CEIDH for coordinating the whole project,
- **David** at **CEIDH** for setting up the IAP monitoring
- **Kawere Muhammad and UCODEA** for their hard work and flexibility

when I changed the design 60 times in two weeks

- **Margaret Hammskerk** for doing the last minute Rocket Stove Logo

- **Helmut** for Quality control assistant
- **Phillipe Simonis, Lenoard Mugerwa and John Kutesakwe at GTZ-EAP UGANDA** for all of their support to UCODEA and the Rocket Stove
- And of course for **(Uncle) Larry Winiarski** for inventing the Rocket Stove in the first place!

Great work team!

All Best
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