

# Using solar to light up communities, grow incomes of rural households

November 28 2018

---



Credit: Happy Ali

Immaculate Tumwebaze, is a resident of Katara village, Kichwamba sub county, Rubirizi district. She is one of the 18 members of Katara Women Poverty Eradication Group (KWPEG) that have benefited from

the Scaling-up rural electrification using innovative solar PV distribution models project by World Wide Fund for Nature Uganda Country Office (WWF-UCO) with funding from European Union. This project aims at increasing access to clean energy for lighting and cooking for households in the Albertine Graben.

The mother of six says she does not regret the decision she took to get a loan from the saving scheme and pay for the solar since it has served her needs.

Early November 2017, Tumwebaze acquired the solar from KIIMA FOODS, a project coordinating hub for the southern Albertine Graben with about eight districts.

With the provision of paying in installments, she started with Shs 100,000 which is the 20 per cent of the total cost of the solar product.

Tumwebaze has been paying about Shs 50,000 monthly, and is hopeful that she will finish her payments by the end of November 2018.

"I had for the last nine years used the Kerosene lamps to provide light both at home and at the shop...this took a lot of money and even the light was not bright," Tumwebaze narrates.

She used to buy paraffin from Nyakasharu or Ndekye trading Centres which are about 10 kilometers away from her shop, adding that she would use paraffin of Shs 1,000 a day and transport of Shs 4,000 weekly.

She adds that the kerosene lamps had put her health at risk since she would inhale intoxicated fumes from the [lamp](#) and the same fumes would also dirty everything in her house.

"I also used to fear that at one time the [kerosene lamp](#) would cause fire that would burn my shop as it has ever happened to other people here," she adds.

But on top of all the other challenges of using a kerosene lamp, Tumwebaze also notes that it would never provide a bright flame, something that thieves would see as a chance to steal items from her shop.

"You know some of these customers are thieves. They would point at some product and when I turn to pick it, I find they have already stolen some other thing. This is no longer there. I have enough light," Tumwebaze says.

Additionally, Tumwebaze notes that with [solar electricity](#) now, she is able to charge her phone and cut on the expenses she used to incur when charging from other people's homes that were also distant.

Tumwebaze is hopeful that her son Monday Joseph who sat for his Primary Leaving Exams (UPE) this year will pass with flying colors since he utilized the light for his evening and morning revisions.

Provided by WWF

Citation: Using solar to light up communities, grow incomes of rural households (2018, November 28) retrieved 1 May 2024 from <https://phys.org/news/2018-11-solar-incomes-rural-households.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--