

E-COOKING: Regulatory, Tariff and Customer Service Perspectives

Electricity Regulatory Authority (ERA) Uganda
MECS / World Bank Webinar | January 2026

Context: Uganda Before 2019

- Grid access ~25%, yet only ~3% of households used electricity for cooking
- Electricity used for marginal cooking tasks only (for the 3% households)
- Efficient cooking appliances largely unavailable
- Electricity perceived as expensive
- No comparative cost evidence vs charcoal, LPG or biomass

CONTEXT

ELECTRIC PRESSURE COOKER (EPC) Cooks Under Pressure Using Electrical Energy

CLEAN AND SUSTAINABLE COOKING

Safe to use by children or cooking age

Reach out to your Lumenia Office or the following for different brands:

- GLENFARL: 0779 314 314
- FERROVIT: 0774 407 072
- KENWOOD: 0774 300 400
- SOONER: 0774 771 00 034
- BROWNE: 0774 771 00 034

The EPC can cook almost every meal you prepare for your family

Cooking, vegetables, soups, rice, beans, soups, souffles, casseroles, etc.

Lumenia Energy Solutions

Sustainable Energy Supply

Evidence as the Trigger (2019–2020)

Initial Studies

- ERA facilitated comparative cooking energy cost study (2019)
- Focus on education and health institutions
- Demonstrated competitiveness of efficient electric cooking
- Informed Uganda's first institutional e-cooking pilot (2020)

Policy & Tariff Signal (2022)

POLICY & REGULATION

- Presidential pronouncement restricting charcoal supply to Kampala
- ERA introduced a targeted cross-subsidised domestic e-cooking tariff
- Objective: shift cooking load, not penalise households
- Tariff explicitly designed around efficient appliance use



Uganda's e-Cooking Tariff Design

TARIFF

Package

70 kWh



Threshold
**81st Unit
in a
calendar
Month**



Tariff

US Cents
11/kWh against
US Cents 20 for
rest of domestic
class



Benefits
**Signaled
cost
efficiency
Rewards
efficient
cooking**

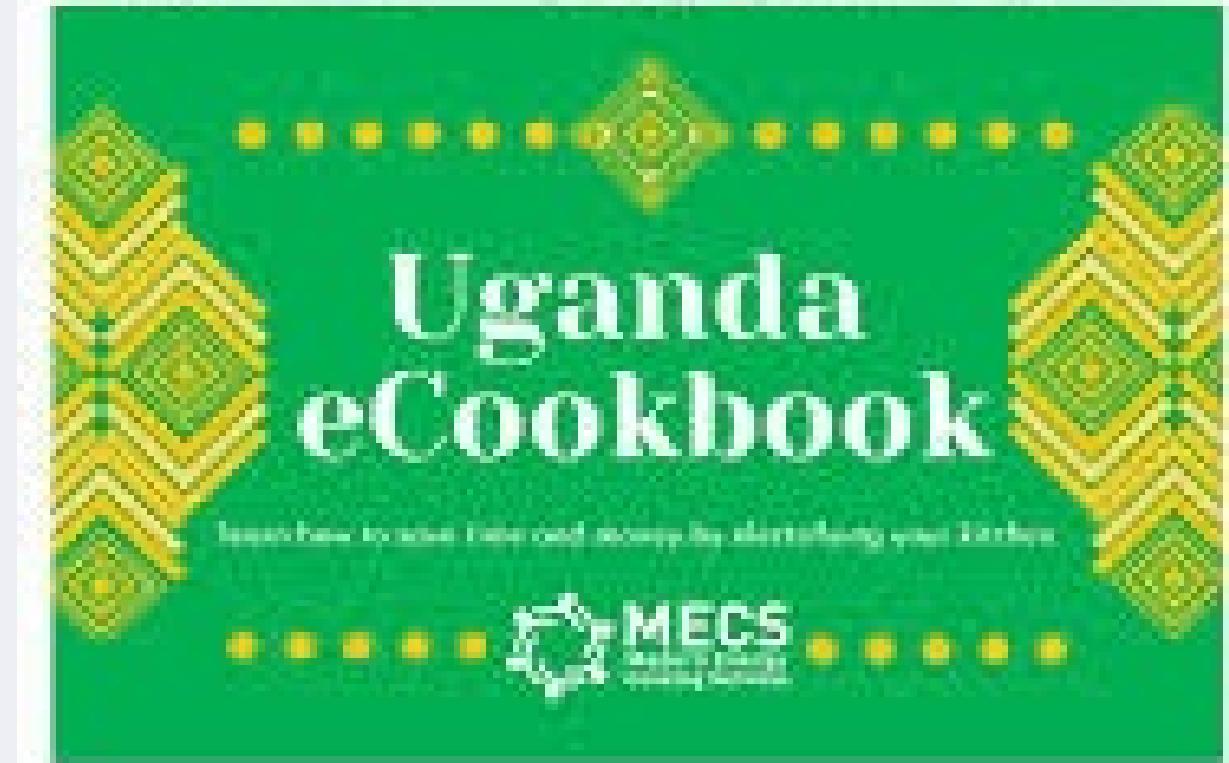


Market Activation and Appliances

- MECS-supported [e-Cookbook](#) for Uganda (July 2022) validated local dishes
- Demonstrated EPCs as cheapest and most efficient option
- 2023 EPC distribution pilot with the main utility
- EPC supply chains have since expanded nationally.



Market Activation



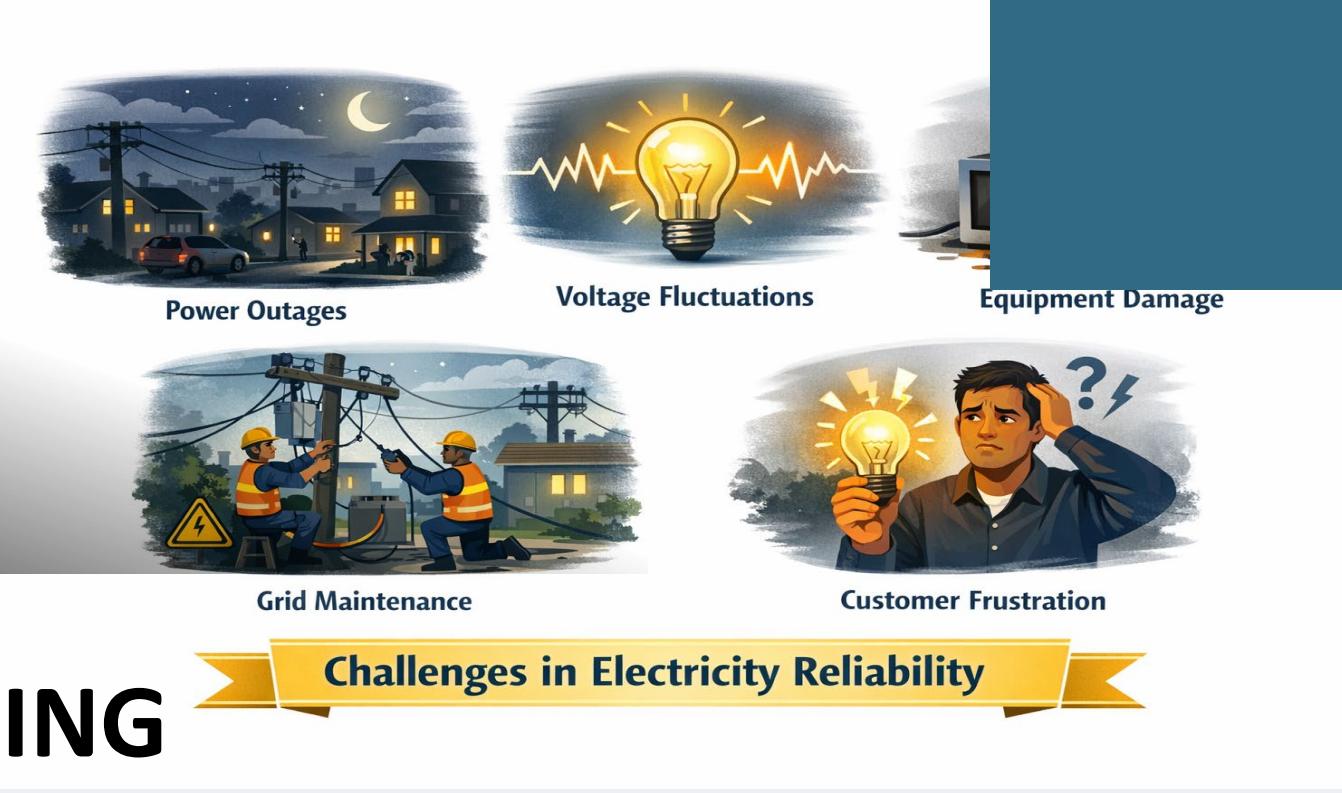
Delivery and Financing Momentum

MOMENTUM

RBF programmes: SNV, GIZ, UK Aid, World Bank (EASP)

- Institutional e-cooking supported by UK Aid and WFP (Eastern Uganda)
- AfDB Uganda Biogas & e-Cooking Project launching Feb 2026
- World Bank ASCENT forthcoming and GCF pipeline (expected)

Challenges



Challenges in Electricity Reliability

INSTITUTIONAL COOKING

- Reliability is critical for sustained e-cooking adoption
- ERA prioritises least-cost grid reinforcements for shared assets but looks forward to market activation for equipment financing
- Private, non-shared components remain customer responsibility
- Regulatory incentives approved for reliability improvement
- Focus on network visibility and service-quality metrics



LOREM IPSUM

Looking Ahead: Scaling with Confidence

- National Carbon Finance Framework under design
- Need to lower upfront appliance and and (if required) energy costs
- ERA commitment: e-cooking remains the most cost-effective option.
- Scale driven by tariffs, trust, reliability and data



Electric
Association
ment



THANK YOU.



MERCI

E-cooking, the future of eating

Contact – +256 772 585 556
p.tutembe@era.go.ug

Local and Well

Institutional

