

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 PRESS (EPC)

Cooks Under Pressure Using Electrical Energy



CLEAN AND SUSTAINABLE COOKING

Safe to use by children of cooking age

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

- GHEPAC: 0779 314 514
- Powerchef: +256 774 401 072
- Deekhomaker (Kiboko, Makindu): +256 760 441 300
- Sanyo: +256 772 100 834
- Moulinsac: AirSUNN Traders, Near Argungu House, Jinda Road

The EPC can cook almost every meal common in our locality.

Colleges, universities, hospitals, shops, hotels, corner houses, restaurants, etc.

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Energy Sector Management Assistance Program IBRD IDA

Sustainable Electricity 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)

- 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



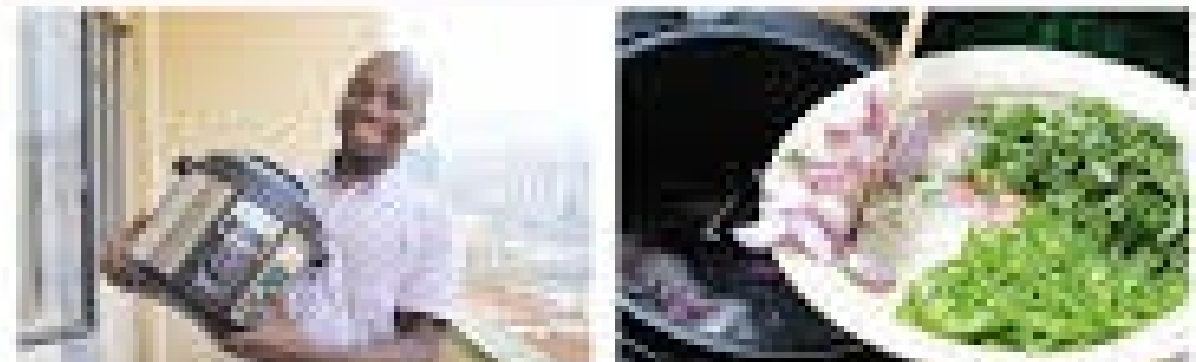
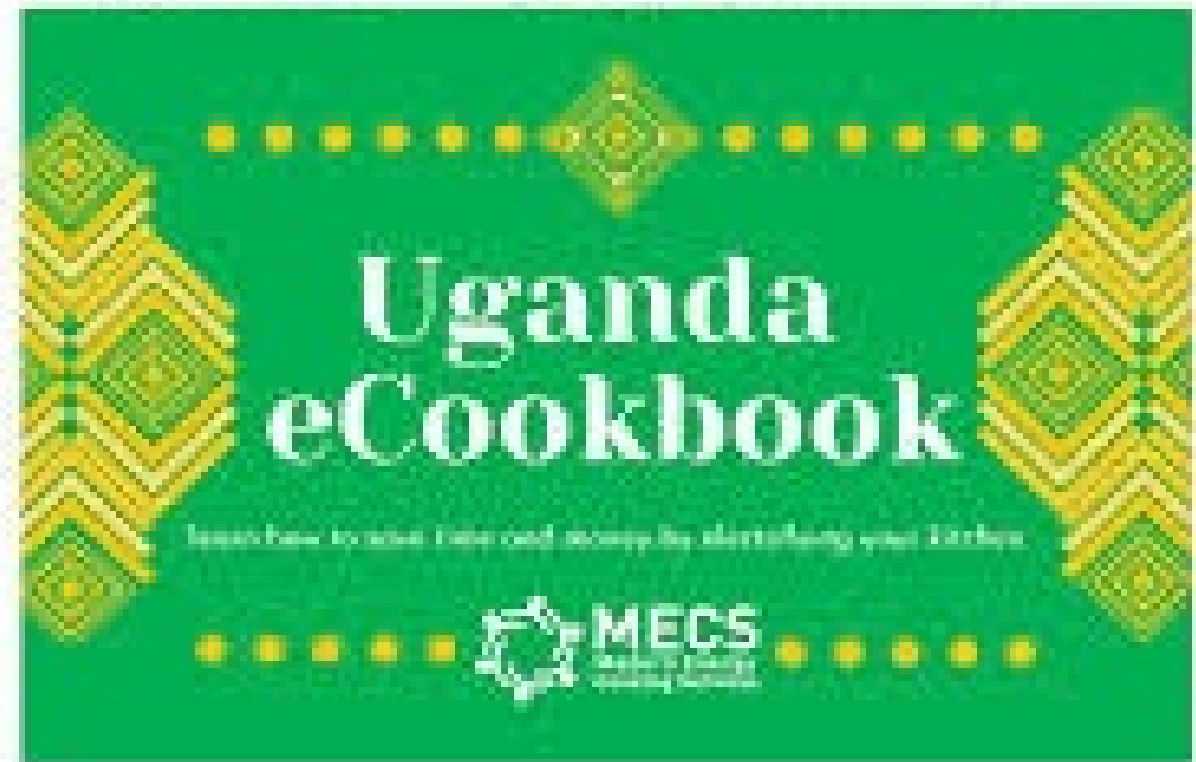
Benefits

**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



Power Outages



Voltage Fluctuations



Equipment Damage



Grid Maintenance



Customer Frustration

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

Looking Ahead: Scaling with Confidence

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



Ministry of Energy and Infrastructure Development
Uganda



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ELECTRICITY
REGULATORY
AUTHORITY

THANK YOU.



MERCI

E-cooking, the future of eating

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Local and Well



Institutional



Exceed
80unit
In A Month

81st – 150th

UGX 412
Per Unit

DISCOUNT