

A Recipe for Success: Catalyzing Electric Cooking in South Sudan

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Grand Challenges Annual Meeting - Pitch
Even | New and Innovative Solutions



CREATING
HOPE
IN CONFLICT:
A HUMANITARIAN
GRAND CHALLENGE





10,300+ deaths

Annually from indoor air pollution, particularly from cooking fuels



4-5 hours per day
spent on gathering fuel,
cooking, and preparing meals



Upwards of 20%
Of household income spent
on cooking fuels



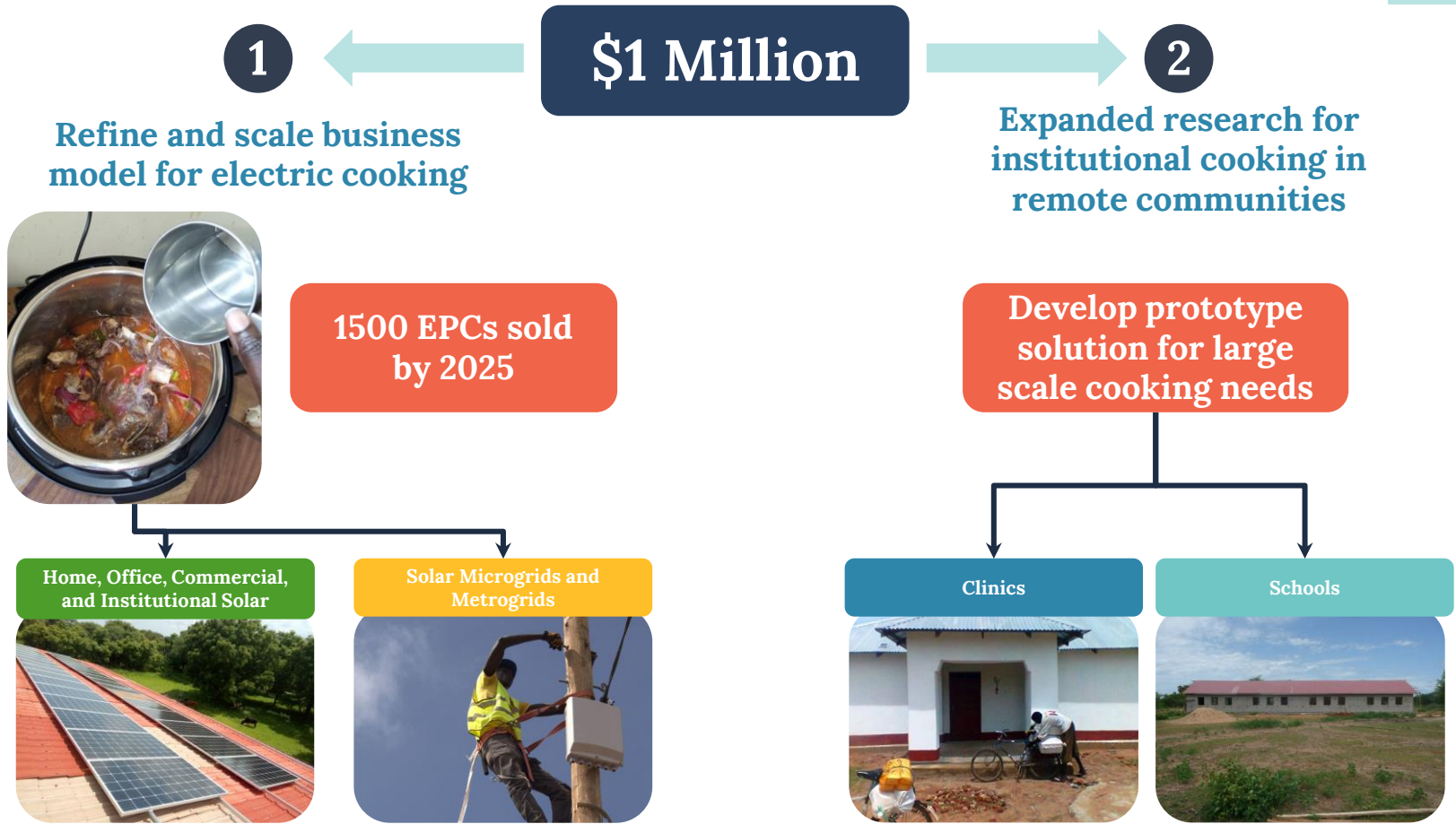
1-2% of natural forests
Lost to deforestation each year

Electric cooking offers an integrated clean cooking solution

- Electric pressure cookers deployed for **25 microgrid customers**, as well as SunGate operations
- High interest / demand for EPCs
- High compatibility of South Sudan foods with EPCs
- **15-50% cost savings** and **25-85% time savings** for EPCs compared to charcoal (initial experiments)
- New research partnerships with Modern Energy Cooking Services



Key support needed to catalyze electric cooking



Home, Office, Commercial, and Institutional Solar



Solar Microgrids and Metrogrids



Develop prototype solution for large scale cooking needs

Clinics



Schools



Thank you!



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