

## RENEWABLE ENERGY TECHNOLOGIES

### Context

PRELNOR is collaborating with the Ministry of Energy and Mineral Development (MEMD) to facilitate access to modern and sustainable energy services. One of the interventions being promoted is Energy Saving Technologies. The project assessed and identified institutions in the project area which qualified to benefit from the Renewable Energy Technologies (RETs). This assessment resulted into identification of suitable sites / institutions to demonstrate modern Renewable Energy Technologies in the project sub counties. 10,000 poor vulnerable households, who are undergoing household mentoring are being targeted to benefit from the improved

domestic cook stoves. Of the targeted 10,000 vulnerable households, the first batch of 2000 mentored vulnerable households have already benefited from domestic cook stoves.

### Benefits

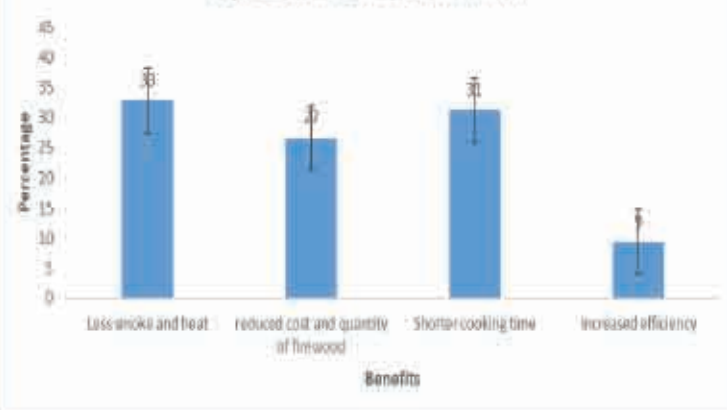
The installed RETs are already bearing fruits; with some beneficiary institutions reporting savings of over 65% in firewood used for cooking compared to when these technologies were not yet installed. This has significantly reduced beneficiary institutions' expenses on firewood (up to 67% in some institutions), and most importantly, reducing pressure on the alarmingly dwindling tree cover in the project area.

**Other benefits reported by both the mentored households and beneficiary institutions are,**

- Less smoke produced.
- Better kitchens with clean cooking environment.
- Less heat to users.
- Reduced cooking time and food kept warm by the cooking stoves.
- Beneficiaries of solar systems reported improved class /school attendance by pupils, and improvement in delivery of health services, especially in the maternity facilities for women during child birth.

## Graphs and Pictorial of Renewable Energy Technologies

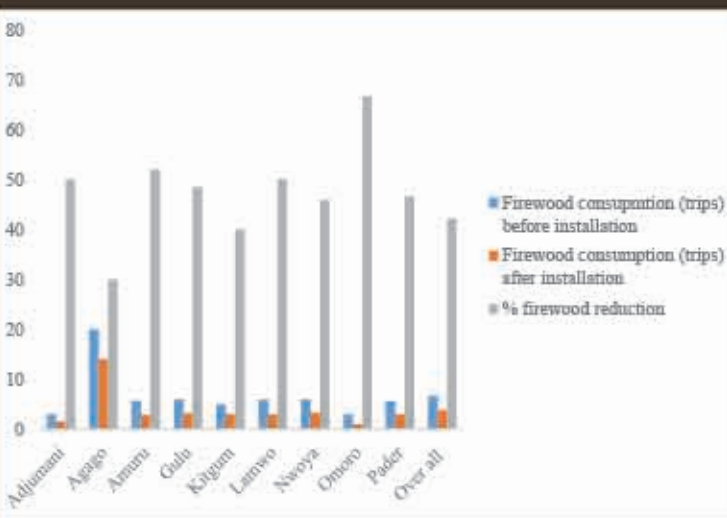
Graph 4. Benefits after RET interventions.



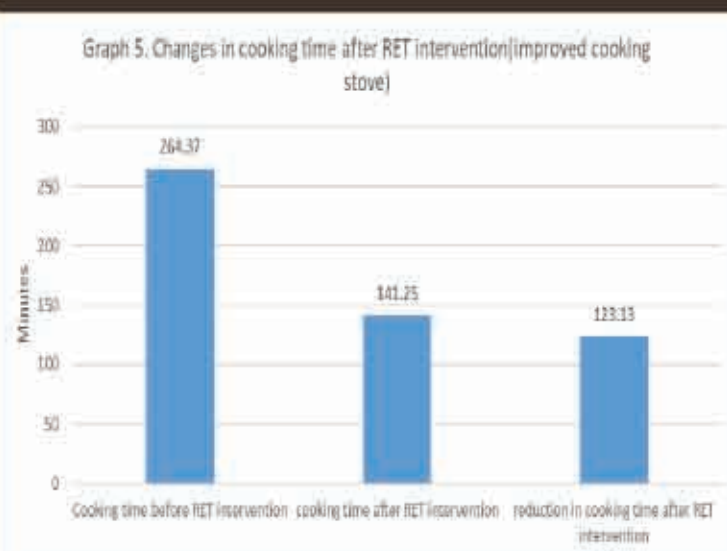
*Energy saving cook stove in Dzaipi SS, Adjumani District*



*Energy saving cook stove in Kalidima Prison, Amuru District*



*Solar PV system at Pangira P7 School in Lamwo District*



*Biogas unit installed at Logore Prison farm in Gulu District provides energy for cooking and lighting*

