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# GHANA SE4ALL NEWS

## UPDATE ON THE IMPLEMENTATION OF GHANA'S SUSTAINABLE ENERGY FOR ALL (SE4ALL) INITIATIVE

The Ghana Sustainable Energy for All Country Action Plan (SE4ALL CAP) was launched in May 2012 and identified the following high priority action areas:

1. Promote productive uses of electricity
2. Improve access to cleaner cooking solutions by promoting the use of improved cookstoves, LPG and biogas for cooking.

Following an initial review of high impact opportunities, the extension of electricity access to remote communities for productive uses, through the application of off-grid renewable energy solutions was added to the high priority actions. This means that the high priority action areas for Ghana's CAP

currently stand as:

1. Promote productive uses of electricity
2. Improve access to cleaner cooking solutions by promoting the use of improved cookstoves, LPG and biogas for cooking
3. Provide access to electricity for remote communities using off-grid systems

The SE4ALL Secretariat is hosted by the Energy Commission (EC). The key implementing partners are the: Ministries of Energy and Petroleum, Food and Agriculture, Fisheries and Aquaculture Development, and Health; Energy Commission; Ghana Standards Authority; Ghana Alliance for Clean

Cookstoves and Cooking Solutions (GHACCD). This newsletter gives highlight of key activities undertaken by implementing partners in the first quarter of 2014, under the key target areas.

## Ghana SE4ALL Action Agenda

Following a decision by the SE4ALL Africa Hub for implementing countries to prepare comprehensive Action Agenda that cover all energy interventions within the country, Ghana will also begin the development of an Action Agenda in June 2014.

### ECREEE and USAID Support the Construction of an SE4ALL Annex

ECREEE is supporting the SE4ALL Secretariat with the construction of an Annex building within the EC's premises to house the SE4ALL Secretariat. USAID is supporting the construction by committing to rent space within the building for its Transaction Advisor. An MOU has therefore been signed to this effect between ECREEE, USAID and the Energy Commission. It is anticipated that the office space will be completed by September 2014.

### Project Identification by the SE4ALL Secretariat

A stock-taking exercise was conducted by the SE4ALL Secretariat engaging the Ministry of Fisheries and Aquaculture Development, Ghana Irrigation Development Authority, Agriculture Engineering Services Directorate and the Ministry of Energy and Petroleum on past or on-going interventions and programmes that could be built on in implementing the SE4ALL activities. As a result,

a preliminary list of seven (7) potential projects has been identified for further development. More highlights of these project ideas will be presented under the SE4ALL target areas

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**Maize spread on trays in a Solar Dryer constructed by the Agriculture Engineering Services Directorate of MOFA**



**The US Department of State is currently supporting the development of an Investment Prospectus for three projects identified.**



**Demonstration of Solar Pumping System for crop irrigation**

### **Maiden Meeting Held for the SE4ALL Financing Working Group**

A Financing Working Group (FWG) was constituted in November 2013 to support the SE4ALL Secretariat in identifying and developing bankable SE4ALL projects and facilitating access to funding for SE4ALL implementation. The Group is made up of representatives from the Ministry of Energy and Petroleum, Ministry of Finance, Energy Commission, World Bank, UNDP, EU Delegation, African Development Bank, U.S. Department of State and the Sustainable Energy Network of Ghana (SENG). The group held its maiden meeting in February 2014. Terms of Reference developed for the Group was briefly discussed and is yet to be finalised by the members. An Ad-hoc group was formed out of the FWG to work further on a preliminary list of projects identified into a bankable project proposal.

### **US Department of State Supports the Development of an Investment Prospectus for Ghana**

The US Department of State is currently supporting the development of an Investment Prospectus for three projects identified. The projects are:

implementation of Poldaw wind pump irrigation schemes, replacement of diesel pumps with renewable energy (RE) driven pumps at Kpandu-Torkor in the Volta Region, and the promotion of solar driers for Agro-processing. The Department of State has supported the Secretariat in drafting an Investment Prospectus Framework for SE4ALL implementation in Ghana.

### **Project Financing**

- \* The US Department of State provided Technical Support to the Secretariat to develop and submit a proposal to IRENA-Abu Dhabi Fund for Development (ADFD). The proposal is a request for concessionary loan to implement an off-grid renewable energy mini-grid project. Contributions were made by the Ministry of Energy and Petroleum, and Energy Commission.
- \* The Secretariat partnered with Partners for Innovation (PFI) in Amsterdam to submit a request for Technical Assistance to the Climate Support Facility. The purpose is to assess the feasibility of implementing an institutional biogas programme in Ghana. Feedback is yet to be received on the request.

## Progress on High Impact Priority Areas

### Promoting Productive Uses of Electricity

The following are projects identified during the stock-taking exercise conducted:

- \* Implementation of Poldaw wind pumps irrigation schemes
- \* Replacement of diesel pumps with renewable energy driven pumps, e.g. at Kpandu-Torkor in the Volta Region
- \* Use of solar driers for agro-processing
- \* Promotion of solar paddle aerators in tank/pond culture
- \* Zonation of the Volta Lake to identify suitable aquaculture sites

### Improving Access to Improved Cookstove

- \* The Energy Commission collaborated with the Ghana Alliance for Clean Cookstove to conduct two studies: National mapping of stakeholders in Ghana's improved cookstove industry, and Consumer segmentation study. The two reports are currently in draft and are being reviewed.
- \* The Energy Commission

with the support of UNDP Ghana is collaborating with the Ghana Standards Authority to develop national standards for the regulation of improved cookstoves in Ghana. Consequently, in February 2014, UNDP Ghana supported two staff of the Energy Commission to participate in the maiden meeting of the International Organisation of Standardisation (ISO) Technical Committee on Clean Cookstoves and Clean Cooking Solutions (TC285) in Nairobi, Kenya. Two persons from the Ghana Standards Authority also participated. A mirror technical committee of TC285 has therefore been constituted to develop standards for cookstoves in Ghana and also make input into the ISO cookstove standard development process.

- \* The Global Alliance for Clean Cookstoves (GACC) is supporting GHACCO to develop a media plan for the promotion of improved stoves in Ghana. The plan will cover public education and awareness raising campaigns using radio and television, development and dissemination of educational materials, etc.

- \* The Secretariat has supported the Energy Commission to draft an implementation plan for execution of cookstove activities. The plan outlines strategies to be employed in executing key project activities, milestones and timelines, risk assessment and measures and responsible partners.

### Improving Access to LPG for Cooking

- \* The Ministry of Energy and Petroleum (MOEP) is collaborating with the National Petroleum Authority (NPA) and the Ghana Cylinder Manufacturing Company (GCMC) to implement the Rural LPG Promotion Programme (RLPGPP) in low access districts in Ghana. The RLPGPP was piloted in the Garu-Tempani district of the Northern Region of Ghana during which 1,500 cylinders (6kg) and single-burner LPG stoves were distributed to beneficiaries. The equipment were given out freely but the LPG was paid for by the consumers. The target for the RLPGPP implementation is to disseminate 52,000 6kg cylinders and stoves in 13 districts (4000 per district) in 2014.



**A three stone firewood stove predominant in rural Ghana**

The Energy Commission with the support of UNDP Ghana is collaborating with the Ghana Standards Authority to develop national standards for the regulation of improved cookstoves in Ghana.

**CSIR-IIR Improved Firewood Stove**



Link to the Ghana SE4ALL Action Plan: <http://energycom.gov.gh/files/SE4ALL-GHANA%20ACTION%20PLAN.pdf>

- \* A National Implementation Task Force and a high level Steering Committee have thus been formed by the MOEP to plan and implement the RLPGPP. The National Implementation Task Force (NITF) and the Steering Committee are made up of representatives from the MOEP, the Energy Commission, NPA and GCMC.
- \* A national LPG working group was constituted by the Global LPG Partnership (GLPGP) to conduct a preliminary study of Ghana's LPG subsector. The working group which is made up of the MOEP, NPA, GCMC, GACC, Energy Commission and Persistent Energy Practitioners submitted a preliminary report to the GLPGP covering legal or regulatory

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## Ghana's LPG sector development is on-going...

issues, market and demand assessment. The GLPGP will be engaging a consultant to conduct an in-depth analysis of the LPG subsector using the preliminary report as a reference.

### Providing Access to Electricity for Remote Communities Using Off-Grid Systems

- \* The MOEP has distributed about 20,000 solar lanterns to over 44 rural districts nationwide. Procurement for the next 50,000 solar lanterns has commenced.