

GHANA SE4ALL NEWS

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GHANA’S SE4ALL ACTION AGENDA SEEKS TO:

- > Promote Productive Uses of Electricity
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PROGRESS ON HIGH IMPACT PRIORITY AREAS

Promoting Productive Uses of Electricity

- * GIZ has began the implementation of Phase 2 of its Energising Development (EnDev) project. EnDev 2 seeks to support the Government of Ghana’s SE4ALL Action Agenda on productive uses of electricity (grid-connected and renewable energy technologies) for irrigation and in light industries, thermal energy for agro-processing using improved institutional cookstoves. The key components are:
 - ⇒ Provision of subsidy for 250 small-scale farmers to connect to the grid and use electric pumps for irrigation
 - ⇒ Awareness creation and facilitation of market entry for private actors through sales based grants for the installation of Solar PV pumps for 30 small-scale farmers for irrigation
 - ⇒ Productive use of thermal energy in agro-processing for 300 small-scale gari processors using improved institutional cookstoves (being implemented by SNV Ghana)
 - ⇒ Follow-up and conduct monitoring on grid-based electricity for productive use in light industrial areas to increase the number of grid-connected Small and Medium scale Enterprises (SMEs) from 408 to 600

The project has a budget of €1.5m and is being funded by Dutch Ministry of Foreign Affairs and German Federal Ministry for Economic Cooperation and Development (for more information, see <http://endev.info/index.php/Ghana>)

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Improve Access to Improved Cookstove

- * **Aprovecho Research Center has supplied and set up laboratory equipment for the testing and development of cookstoves at the Technology Consultancy Centre (TCC) of KNUST.** The research center has trained ten (10) staff of TCC in the operation and maintenance of the testing equipment and stove testing methodologies. As a result, TCC staff are well equipped to successfully operate and maintain the Laboratory Emissions Monitoring System (LEMS), Portable Emissions Monitoring System (PEMS) and Indoor Air Pollution (IAP) Meter for collection, analysis and reporting of emissions monitoring data in accordance with generally accepted international cookstove testing standards. The centre which is supported by UNDP will be commissioned in the first quarter of 2015.
- * **The Global Alliance for Clean Cookstoves has provided catalytic grant financing to five investor ready firms in Ghana to strengthen their financial management, enable distribution systems and de-bottleneck their manufacturing processes.** The next step is to help these firms secure additional working capital and growth funding for operational expansion.
- * **Under SNV Ghana's:**

⇒Energy, Poverty and Gender in Agro-processing Project (EPGAP) - 200 improved institutional stoves have been installed as at December 2014 across 13 districts in four regions.

To diversify biomass fuel sources for cooking, SNV has researched into the use of cocoa pod husk and cashew waste to produce charcoal briquettes. The energy efficiency of this briquette is currently being investigated in comparison to the traditional woodfuel charcoal. Results attained would be used to encourage private actors to commercialise and promote cocoa pod husk and cashew waste briquette for cooking in the residential and commercial subsectors.

⇒Improved Fish Smoking and Mangroves

Restoration Project—the organisation introduced the FAO Thiaroye Fish Smoking Stove (FTT) in Ghana to ensure that smoked fish are healthier to consume and also meet export standards. One demonstration stove has been built. Three additional stoves are yet to be built for three fish exporters. This was done in collaboration with FAO, Fisheries Commission and Ghana Standards Authority.



Dumour Ndiaye, Stove Technician explaining the special features of the FTT stove to participants at the launching ceremony

108 improved fish smoking stoves have been built to date at Keta, Ada, Tema and Chorkor. Business development and entrepreneurial skills training was also conducted for 17 stove artisans and entrepreneurs using the Competency Based Economies for Formation of Enterprises (CEFE) Model.



Enno Heijndermans, SNV RE Sector Leader, delivering a speech to participating stove artisans and entrepreneurs during the business development and entrepreneurial skill training workshop at University of Ghana Guest Center

⇒SESA Integrated Clean Cookstoves and Biomass Fuels Market Assessment Project—215 Philips biomass cookstoves have been disseminated in Ghana; 28 sales outlets trained on the repair and maintenance of Philips stove and innovative business models for selling improved cookstoves in Ghana.

Improved Access to LPG for Cooking

- * **The LPG National Implementation Task Force (NITF) constituted by the MOEP has prepared a draft National Policy on LPG Promotion for Ghana.** The draft policy would be finalised by the first quarter of 2015.

Provide Access to Electricity for Remote Communities Using Off-grid Systems

- * **Under SNV Ghana's SESA Solar Lantern Savings Scheme Project—1120 Barefoot Go Solar lanterns have been distributed so far for off-grid lighting and phone charging applications.**

OTHER ISSUES AND EVENTS

Power Africa and SE4ALL sign a Cooperation Understanding

Sustainable Energy for All (SE4ALL) and Power Africa signed an Aide Memoire for Cooperation Understanding at a press conference at the United Nations on September 22. The Cooperation Understanding marks how Power Africa and SE4ALL will complement and mutually support each other by expanding cleaner energy investment and providing access to the energy poor.

Dr. Kandeh Yumkella, Special Representative for the Secretary General and SE4ALL CEO, and Mr. Andrew Herscowitz, U.S. Coordinator for Power Africa and Trade Africa, signed for the respective organizations. CEO Yumkella observed, "Our cooperation with Power Africa, together with other initiatives to be launched at the Climate Summit, can go a long way towards reducing by half the 1.3 billion "energy poor" people in the world. This is a significant milestone towards achieving universal energy access by 2030."

Mr. Herscowitz remarked, "what is most important is the alignment of results that is facilitated by twelve U.S. government agencies, the World Bank, the African Development Bank, and Sweden for an African-owned, African power vision."

(Contributed by: Mark Kissel, U.S. State Department, Bureau of Energy Resources, Office of Alternative and Renewable Energy, Washington DC)

U.S. State Department Fourth SE4ALL Ghana Mission

The U.S. State Department conducted its fourth SE4ALL Ghana mission visit from October 31 through November 6. This mission visit focused on project proponents and project financing in addition to updates from the Government of Ghana.

The State Department team, consisting of Mark Kissel, John Wasielewski, and Rachel Burke, met with project proponents Point Innovate, Azuri Technologies, Weldy Lamont, and Ghana Capital Partners. The team also met with the financing institutions of Barclays', Standard Chartered, Acumen, and the Frankfurt School-UNEP Collaborating Centre for Climate and Sustainable Energy Finance (the latter in Frankfurt enroute to Washington, D.C.).

The Ghana SE4ALL Financing Working Group (FWG) held its fifth meeting during the mission. Issues discussed include refocusing the role of the FWG, membership, setting of targets for 2015 and update on SE4ALL activities being implemented or supported by partners.

The group agreed to maintain its current membership made up of representatives of the MOEP, Energy Commission, Ghana SE4ALL Secretariat, ECRREE, US Department of State, UNDP, AfDB, European Commission and the World Bank. It was agreed that the FWG will refocus its efforts toward identifying, developing and securing funds to implement off-grid electricity access interventions. The group recommended that the Secretariat should facilitate the formation of two sector specific working groups on productive uses and cleaner cooking solutions, respectively, to support the implementation of the SE4ALL Action Agenda.

In 2015, the FWG would focus on producing an Investment Prospectus of ten viable off-grid renewable energy projects, improve coordination efforts between SE4ALL Ghana Partners, and build a funding framework to blend both commercial and donor money for project implementation.

The State Department team met with the SE4ALL Cookstoves group which included the SE4ALL Coordinator's Office, SNV, GIZ, the Global Alliance for Clean Cookstoves, and the Ghana Alliance for Clean Cookstoves, to discuss progress being made in promoting cleaner cooking solutions in Ghana.

In all meetings, the State Department team emphasized the importance of SE4ALL-Ghana receiving project proposals for the Investment Prospectus, a portfolio of projects. This document will then be circulated to financing institutions for their consideration of what projects would qualify for financing.

The Cookstoves Future Summit



The Global Alliance for Clean Cookstoves organised the Cookstoves Future Summit in New York, USA from 20-21 November 2014. The event which brought together over 400 participants across the globe was successful in raising USD413m in investment and grant funds and 79 pledges.

Ghana, with support from the Alliance, was represented by Hon. Hanna Tetteh, Minister of Foreign Affairs and Regional Integration and Member of the Alliance Leadership Council; Dr. Nii Darko Asante, Director of Technical Regulation at the Energy Commission; Mr. Stephen Appiah, Alliance Ambassador and Former Captain for the Ghana Black Stars; Nana Agyarkoma Difie II, Asante Mampong Paramount Queen Mother; Mrs. Faustina Boakye, Chairperson for the Ghana Alliance for Clean Cookstoves and Ms. Paula Edze, National Coordinator for SE4ALL Ghana.

Speaking on "The Importance of Scale: Transforming the Way Half the World Cooks in Our Lifetime," Hon. Tetteh discussed the efforts being made by the GoG to have 50% of the Ghanaian populace adopt LPG as their primary cooking fuel, promote the use of clean and efficient stoves by woodfuel users who are unable to afford LPG, and the development of regulations to govern the cooking subsector, expose cheap and inefficient stoves and incentivise the private sector to invest in the clean cooking sector.

Contributing to the panel discussion "Why the Future is Now: The Need to Scale Rapidly,"

Dr. Asante outlined challenges in the cooking subsector in Ghana, how the private sector had been incentivised to invest in the marketing and distribution of petroleum products such as LPG in order to increase access to LPG for cooking. Touching on the unserved rural populations, Dr. Asante emphasised the need to create more awareness on the health and environmental impacts of using woodfuel in inefficient stoves. He shares the view of empowering local suppliers to manufacture and distribute improved stoves to make them more visible and accessible in rural communities. Speaking on "Lighting a Fire Under Consumer Demand for Clean and Efficient Cooking Solutions," Nana Difie II said she would use her influence as the President of the Asanteman Queen Mothers Association and role model in her community to create awareness of clean cooking solutions and facilitate the adoption of such solutions.

Also speaking at the event was the CEO of SE4ALL, Dr. Kandeh Yumkella. The Summit was co-hosted by officials from Norway, Ghana, The United States and The United Kingdom.

For more information on the Cookstoves Future Summit, see: <http://www.cleancookstoves.org/blog/cookstoves-future-summit-report.html>

African Development Bank Provides Technical Assistance to SE4ALL Ghana

The African Development Bank (AfDB), responding to a request of the Government of Ghana, has started a Technical Assistance (TA) programme to support specific areas of the implementation of the SE4ALL initiative in the country, in particular on decentralised energy provision; monitoring, evaluation and reporting; and technology transfer. The activities are supported by the GEF project "African Climate Technology Finance Center

and Network" with the coordination of the SE4ALL Africa Hub Secretariat at AfDB.

IT Power Consulting has therefore been engaged by AfDB to:

- Design a monitoring, evaluation and reporting system for Ghana's SE4ALL Action Agenda/Investment Prospectus process based on the Global Tracking Framework criteria;
- Evaluate the financial and economic costs and benefits of AC and DC mini-grid systems using a range of renewable and hybrid permutations relevant to Ghana;
- Evaluate the Solar Home Systems (SHS) service models and financing modalities most appropriate to Ghanaian conditions and capabilities;
- Evaluate financial and economic combinations of SHS and mini-grid systems for household and productive energy services, respectively, relevant to Ghanaian circumstances;
- Identify technology transfer opportunities, sustainable business model, risk identification, and receptivity capacity requirements for public and private institutions playing key roles in the adoption of energy efficient technologies, etc.

The inception mission took place from 2-5 December 2014 to ensure a close match of the TA work program with the expectations of Ghanaian stakeholders and constant coordination with other SE4All activities and processes already active in the country.

During the inception mission, a team made up of: Dr. Akanksha Chaurey, IT Power Consulting; Dr. Binu Parthan, Sustainable Energy Associates; Giorgio Gualberti, AfDB; and the SE4ALL Coordinator's office engaged key

stakeholders from the MDEP, the Energy Commission, the Association of Ghana Solar Industries, Ghana Alliance for Clean Cookstoves, AfDB Accra office, and UNDP Ghana on the TA and how they see it impacting their work.

The team also visited Peditorkope, an off-grid island community in the Ada East District (one of the pilot communities for the WB RE Mini-grid project) to interact with the community people on their current energy demand, sources of energy services used and energy expenditure, economic activities, preferred energy services and financing model or plan. (See a blog on the field visit prepared by Dr. Binu Parthan, one of the IT Power Consultants at: <http://sustainableenergyassociates.wordpress.com/2014/12/22/a-man-and-an-island-called-peditorkope/>)



A group photograph of IT Power Consultants, SE4ALL Coordinator's office, and Traditional Rulers, Elders and Opinion Leaders engaged in Peditorkope, an island community



C/O Energy Commission
Ghana Airways Avenue
PMB, Accra
Phone: +233 302 813756
Fax: +233 302 813764
E-mail: pedze@energycm.gov.gh