ENERGY EFFICIENCY: INTERVENTIONS, CHALLENGES AND BARRIERS

PRESENTED AT SEforALL AFRICA MEETING IN ABIDJAN
30 MARCH, 2016

BY: PAULA EDZE, SEforALL NATIONAL COORDINATOR, GHANA
What we are doing now: Priority EE Interventions

Challenges and Barriers

Support Needed from Development Partners
PRIORITY EE INTERVENTIONS

- Piloting of Automatic Timer Switches in households
  - Dissemination of 37,500 ATS in homes
  - To test acceptability, and establish baseline on energy saving potential
  - Facilitate adoption of up to 2 million ATS

- Develop and implement S&L for up to 20 appliances including TV, fan, decoder, RE batteries, inverters, etc.
  - Regulation for LED currently in Parliament
  - Build capacity in energy audit
  - Increase public awareness on EE conservation & management
EE in buildings

- EC with support from AfDB has developed EE building code for Ghana
- The standard is for buildings with min. air conditioned space of 500m²
- Working on labelling in public and commercial buildings with the Ghana Green Building Council

S&L for biomass stoves - inline with ISO TC 285

- Baseline established on performance of stoves on Ghana market
- Draft standard being finalised
- Public testing of draft label done
Main Challenges & Barriers

- High financial investment
  - Institutional - enforcement & implementation of interventions
  - Consumer - high upfront cost of EE appliances

- Enforcement of regulations is a tedious and risky task
  - No one-size-fit-all solution
  - Still have non-compliant products on the market
  - Challenges evolve & requires innovative solutions - e.g. developing mobile app for compliant refrigerators
Personnel
- Enforcement requires dedicated staff who are **very diligent**, have **integrity**, **proactive**, **smart**, **quick thinkers**, etc.

Inadequate institutional collaboration in enforcement of regulations
- Currently EC works with about 7 state institutions
- Enforcement suffers when it is seen as ‘EC’s responsibility’
- E.g. lack of support from a key stakeholder is causing the influx of old fridges into Ghana
EE interventions are seen as high risk area by financial institutions

- F.Is. are comfortable with traditional business, hence, they are skeptical to venture into the unknown
- E.g. Industries in Ghana have difficulty in accessing funds to implement EE interventions

Public awareness does not always yield immediate results

- Public awareness is a bottom-less pit
- Awareness still low, despite numerous EE campaigns
1. Improved Cookstove Promotion - ~$30m
   - Scale-up of production - $15m
   - Market drive for adoption, S&L scheme - $8m
   - R&D, improve technical capacity of stove testing labs - $7m

2. Power sector EE interventions - ~$8.5m
   - Awareness creation on EE and benefits - $300,000/yr
   - Enforcement - $500,000/yr
   - Pilot EE interventions - $100,000/yr
   - Support end-user financing schemes especially for industries - $4m
For more information, contact pedze@energycom.gov.gh