WOMEN’S ECONOMIC EMPOWERMENT THROUGH ENERGY ACCESS
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INTRODUCTION

- Women food processors in the Dangbe–West District in Ghana requested for improved stoves to reduce the burden of using firewood and charcoal for cooking.
- The project implemented was the LPG improved stove which is very easy to handle and burns with little or no smoke therefore reducing the incidence of smoke related diseases of indoor air pollution from fumes and smoke of wood fuels.
Women who are mostly farmers and street food sellers were targeted in Afienya, Kordiabe and Ayikuma, all in Dangbe-west district.

A workshop was scheduled to train fifty-two women on gender mainstreaming after which stoves produced by ANOMENA Ventures were given to the women to be paid for by instalment.

Transportation & mobilisation – Ministry of Local Gov’t & District Assembly, Stove manufacture – Anomena Ventures, Training in Gender Sensitisation – Gender & Energy Network, Ghana.
RATIONAL

- Recognise socially assigned roles of women: responsibility for food processing
- Strengthen women’s economic capacity and sustainable livelihoods as entrepreneurs, producers and rural-based community workers
- Develop strategic activities and build partnerships to eradicate feminized poverty
- It was a needs based project
Socially Assigned Role of Women

- Involve women in all phases of conceptualisation, planning, execution and monitoring of energy projects
- Equal opportunity in education and training
- Involve women in selection, promotion and use of decentralised energy resources – particularly in development of the biomass energy sector
- Draw on women’s practical experiences as users and suppliers of energy and custodians of natural resources.
Providing energy supplies for small enterprises and agricultural production

Monitoring schemes should be devised to include district assemblies, women’s groups, and local traditional authorities.

A rural women’s technician corps comprising the women users of clean energy and lady technicians.

Confidence building for women on the use of clean energy technologies
Way Forward for Mrs. Djangba
- Introducing improved energy technologies to minimize the use of fire wood

Impact:
- Reduces the long and cumbersome processes involved in travelling to the forest to buy wood fuel
- Reduces risk involved in travelling with transport (accident)
- Eliminates entirely the issue of excessive use of fire wood
- Eliminates problem of in-door air pollution in the fish frying business.
Figure 2 – Working environment after improved stove introduction.
### Gender Goals

- Productivity
- Welfare
- Health and Safety

<table>
<thead>
<tr>
<th>Energy Form</th>
<th>Needs and issues</th>
<th>Strategic interests</th>
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<tbody>
<tr>
<td>Improved cook stove technology</td>
<td>Practical needs</td>
<td>Address the issue of forest depletion</td>
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<tr>
<td></td>
<td>Improved health</td>
<td></td>
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<td>through improved wood</td>
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<td>fuel stoves and LPG</td>
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<tr>
<td></td>
<td>Improved environment</td>
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<td></td>
<td>through elimination of smoke and excess heat</td>
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<td>Less exposure to risk</td>
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<td></td>
<td>More time for other activities.</td>
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<td></td>
<td>Lower cost of fuel</td>
<td>Make the business safer and more</td>
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<tr>
<td></td>
<td>hence increasing profit</td>
<td>attractive for both men and women</td>
</tr>
</tbody>
</table>

### Stakeholders

<table>
<thead>
<tr>
<th>Source of fish</th>
<th>Fuelwood suppliers</th>
<th>Oil suppliers</th>
<th>Clients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fishermen</td>
<td>Individuals</td>
<td>Wholesale oil producers</td>
<td>Second cycle schools</td>
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<tr>
<td>Fish Mongers</td>
<td>Forestry</td>
<td></td>
<td>Kenkey sellers</td>
</tr>
<tr>
<td>Cold Stores</td>
<td></td>
<td></td>
<td>Individuals</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Workers</td>
</tr>
</tbody>
</table>
CASE STUDY TWO

ASSESSMENT OF THE ENERGY SITUATION AND NEEDS OF GOD’S TIME IS THE BEST STREET FOOD VENDING
Identification of Stakeholders

interviewing stakeholders

interviewing stakeholders
Identification of Stakeholders

Chop Bar Owner, Madam Christiana Nartey

Vendor using traditional oven to smoke fish
Integrated Development Project

Problem Analysis /Project Formulation

- Using firewood to smoke fish and meat
- Cutting and Blending of Vegetables
- Grating onions
- Pounding Fufu
- Cooking Banku, Konkonte, rice balls
Problem Analysis / Project Formulation

Use of firewood for smoking meat and fish

Use of metabolic energy for preparation of banku
Problem Analysis / Project Formulation

Exerting metabolic energy in pounding fufu

Exerting metabolic energy in turning fufu
Problem Analysis / Project Formulation

- Enhance efficiency
- Reduces time of food preparation
- Reduces stress and health hazards
- Increases productivity
- Reduces food wastes
- The energy sources are mostly controlled by the women
- Gas operated oven for roasting the meat and fish
Problem Analysis / Project Formulation

Gas stove to help improve energy efficiency. Needs an extra stove.

Gas oven to improve quality of fish. Needs bigger oven.
Identification of Assumptions and External Factors

Who is involved in Maintenance, repairs and training
- The owner and technicians

Is capacity building necessary?
- Yes, for the entire staff

Governance Structure
- The woman children and staff

Awareness of Gender issues
- Yes

Opportunities
- Exposed to long term credit facilities, support from Gender and Energy network, Ghana, local agencies and ANOMENA Ventures
Summing Up

1. Appropriate Gender Indicator.
2. Effects of energy technologies on quality of life
3. Improve working environment to enhance health
4. Reduce operational time to improve family interaction and socialization
Observation made raises concern on women’s health and the risk they go through in undertaking income generating activities where energy provision and use plays a major role. There was the need to introduce improved energy technologies that address the risk and health needs of women in the fish processing industry as well as mitigate climate change.
THANK YOU