

Validation Meeting Report

Title

Creating Equal Access to Clean Energy and Climate Adaptation for
Vulnerable Women

Date: 27th March 2024

Venue: Regent Road, Grafton, Freetown, Sierra Leone



Organizers: Women in Energy Sierra Leone Limited,
supported by
Network of HIV Positives in Sierra Leone (NEPTHS)
With Funding From
UNDP GEF Small Grant Programme

- 1. Programme Overview:** The consultative meeting, held on the 27th of March 2024, was organized in response to the support received from the UNDP GEF Small Grant to Women in Energy Sierra Leone Limited. The primary objective of the meeting was to address issues related to energy access and usage among vulnerable women in Sierra Leone. This initiative was driven by a rapid assessment conducted through Community Engagement Campaigns and Beneficiary Selection processes. The overarching goal of the project is to create equal access to clean energy and climate adaptation measures for vulnerable women, thereby contributing to reducing land degradation and improving sustainable land and community management. The project's focal point revolves around increasing access to low carbon improved cookstoves for vulnerable women and households.
- 2. Meeting Objective:** The aim of the validation meeting was to foster equal access to clean energy and climate adaptation measures for vulnerable women. By breaking down existing barriers, the project seeks to empower women with the necessary tools and resources to enhance their livelihoods. Additionally, the initiative aims to contribute to broader efforts in mitigating the impacts of climate change. Access to clean energy not only ensures a reliable and sustainable source of power for homes but also leads to improved living conditions and overall well-being for vulnerable women.

The meeting commenced with introductory remarks by the organizers, outlining the significance of the project and its objectives. Various sessions were conducted to facilitate discussions on clean energy access, challenges faced by vulnerable women, and potential solutions. Participants actively engaged in group discussions, sharing their experiences and insights.

2.1 Meeting Highlights:

- **Introductory Address by Mr. Martin Ellie – Programme Manager NEPTIS:** Mr. Martin Ellie, Programme Manager, and representative of NEPTIS, commenced the meeting with an opening prayer and welcoming remarks. He introduced the team from Women in Energy Sierra Leone Limited to the 48 attendees, comprising women living with HIV and AIDS, sex workers, community leaders, and people living with disabilities. Mr. Ellie emphasized the importance of the programme and the potential impact on the participants' lives.



- **Overview of the Meeting Objectives by Women in Energy Sierra Leone Limited – Margaret Y Mansaray – Founder / Chief Executive Officer:** Madam Margaret Yainkain Mansaray, CEO, and founder of Women in Energy Sierra Leone Limited, provided insights into clean cooking and the purpose of the meeting. Margaret initiated an open session where participants discussed their current energy sources, particularly focusing on the challenges faced with firewood usage. She introduced alternative sources of clean energy, including solar energy, and addressed participants' queries regarding affordability and durability. Additionally, participants inquired about the company's background, which was answered by the CEO.
- **Importance of Equal Access to Clean Energy and Climate Adaptation for Vulnerable Women and Role of Women in Energy Sierra Leone Limited by Mr. Paul Alfred Kamara – COO/Co-founder Women in Energy Sierra Leone Limited:** Mr. Paul Alfred Kamara, COO, and Co-founder of Women in Energy Sierra Leone Limited, conducted another session to inform participants about the role of the company and the project's aims and objectives. Participants expressed gratitude for the opportunity and asked questions about the production process of clean cookstoves. Mr. Kamara provided further enlightenment on stove functionalities and the company's inception and operations.

3. Breakout session on the participant Challenges and Opportunities face while cooking.

The breakout session provided a platform for participants to articulate their challenges and propose solutions related to cooking practices, particularly focusing on issues faced by vulnerable women as shown in **appendix 6.2**. The session facilitated in-depth discussions, leading to the identification of key obstacles and recommendations. Below is a professional analysis of the challenges and solutions presented by each group:

	CHALLENGES	SOLUTIONS
GROUP 1	<ul style="list-style-type: none"> • Poor health condition while using firewood e.g. Eye problem. • Unhealthy food leg smoke ashes • Cost of coal or wood to expensive ad not lasting coal pot • Delay in cooking food because of wet coal or wood during raining season. • Lack of appetite and tiredness 	<ul style="list-style-type: none"> • To use a coal pot while cooking • To learn how to make cooking coal pot to reduce the problem. • Find a conducive place to cook with a coal pot, even if it is too late to avoid insect etc.
GROUP 2	<ul style="list-style-type: none"> • Coal is too expensive. • The stove is too expensive. • Some stoves are not long lasting. • Some stoves use enough or plenty of charcoal, it forces you to spend more or huge money. • During the raining season the coal is wet, and it is difficult to use 	<ul style="list-style-type: none"> • The price should be reduced. • The price must be minimized. • The product must be durable so that it lasts long. • The product should be prepared in a way that we use less amount of charcoal or money. • We need to buy early if possible, during the dry season to avoid delayed.
GROUP 3	<ul style="list-style-type: none"> • Consume too much charcoal when cooking. 	<ul style="list-style-type: none"> • Produce a model that will manage charcoal. • To support or create a stove that will last longer.

	<ul style="list-style-type: none"> • Our normal coal pot spoil easily and faster, due to poor product production • Our normal pan stove produces too much smoke and leads to health hazard. • The cost of charcoal is getting expensive every day. • The price of the coal pot that we are buying at our local communities does not worth it use at all levels. 	<ul style="list-style-type: none"> • To create a brand that will not produce smoke at all levels. • In need of a stove that will manage our charcoal • The cost should worth it use when producing for customers.
GROUP 4	<ul style="list-style-type: none"> • Now coal is expensive. • Wet charcoal is difficult to cook with • It has a small heat. • It makes the kitchen untidy 	<ul style="list-style-type: none"> • Easy and quick way to light charcoal • Less Charcoal
GROUP 5	<ul style="list-style-type: none"> • It affects our eyes. • Challenges of coal pot • Charcoal is expensive. • The stove is too expensive. • During the raining season the charcoal is too wet 	<ul style="list-style-type: none"> • Its prices are too expensive. • The price should be reduced. • The product must be durable so that it must take too long time. • They should help us with a stove. • We need to buy charcoal easily before it is raining.
GROUP 6	<ul style="list-style-type: none"> • Changes we face in firewood. • It gives us high blood pressure. • It gets broken in two months. • It also gives eye sit problem. 	<ul style="list-style-type: none"> • We need help to stop that. • By using clean strong cold pot • As for us, we need help. • Heat we need smart green stove. • That day was so sad for us at home.

	<ul style="list-style-type: none"> • When we are cooking, we get bunt at home. 	
GROUP 7	<ul style="list-style-type: none"> • Wet wood / raw wood • Metal coal pot • Local coal pot • Expensiveness of the coal 	<ul style="list-style-type: none"> • It is possible to buy it early before it rains to less the delay and strain fullness. • Need of customize coal pot to save the less use of coal (Energy) • We need a strong one that will last for a long time to minimize money. • The coal pot should be very well okay to keep the coal to last long and give heatness.
GROUP 8	<ul style="list-style-type: none"> • Wet charcoal • Charcoal is put in storage. • Metal coal pot • Thief by drug addicts 	<ul style="list-style-type: none"> • We want a long last charcoal stove. • Effective storage of charcoal stove • More support
GROUP 9	<ul style="list-style-type: none"> • It normally causes health problem (Eyesight) • It also causes a lot of smoke in the house which causes the house to be dirty. • It was very expensive. • Sometimes no dry and it very difficult to use 	<ul style="list-style-type: none"> • The solution is to advice women to stop using it and educate them on how to use the stove. • We should stop using traditional stoves. • We are pleading to the government to empower women in making the stove. • We are pleasing to the people that produced firewood to dry them well before selling them.
GROUP 10	<ul style="list-style-type: none"> • Firewood challenges sometimes not dry and it very difficult to light fast. • Pan coal pot challenges, sometimes when we buy 	<ul style="list-style-type: none"> • We pleasing to the people that produced firewood to dry their wood well before selling it.

	<p>iron coal spark which usually enter into our eye and can cause blindness.</p> <ul style="list-style-type: none"> • Pan coal pot challenges, it not too strong and it can't last for long. • Firewood challenges, it brings out too much smoke which can cause blackness to the walls of the house and too much smoke to the clothes. • Pan coal poot challenges, expensive of coal and the poor ma can't buy it 	<ul style="list-style-type: none"> • Stop the selling of iron coal which spark a lot. • We are also pleading for a strong and better coal pot which can last for long period. • Open places like the kitchen which can protect our clothes from smoke ad walls of our houses. • We are pleading for the marketer to sell their coal in affordable price for even the poor
--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3.2 Overall Analysis:

- The challenges identified by the groups reflect common issues faced by vulnerable women in accessing clean cooking solutions, including health hazards, high costs, and fuel inefficiencies.
- The solutions proposed focus on affordability, durability, and efficiency, highlighting the need for accessible and sustainable cooking technologies.
- Recommendations such as early fuel purchase, stove customization, and awareness campaigns demonstrate a holistic approach to addressing cooking challenges and improving women's well-being.

3.2 Recommendations:

- Collaborate with stakeholders to reduce the cost of cooking fuel and stove products.
- Invest in research and development to create durable and efficient cooking technologies tailored to the needs of vulnerable women.
- Conduct awareness campaigns on the health and environmental benefits of clean cooking solutions.
- Provide training and support for women in stove production and entrepreneurship.
- Advocate for policies promoting sustainable fuel production and distribution practices.



By implementing these recommendations, stakeholders can contribute to creating equal access to clean energy and climate adaptation measures for vulnerable women, ultimately improving their livelihoods and well-being.

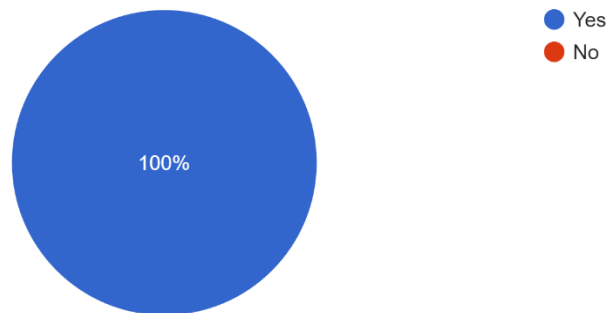
4. Validation Meeting Survey Questionnaire with Analysis

These questions aim to understand the specific challenges faced by vulnerable women regarding energy access and how addressing these challenges could improve their quality of life. It's important that we ensure the questionnaire is respectful, clear, and considerate of their privacy. In that respect.

- **Would you be willing to participate in this survey???**

Would you be willing to participate in this survey?

43 responses

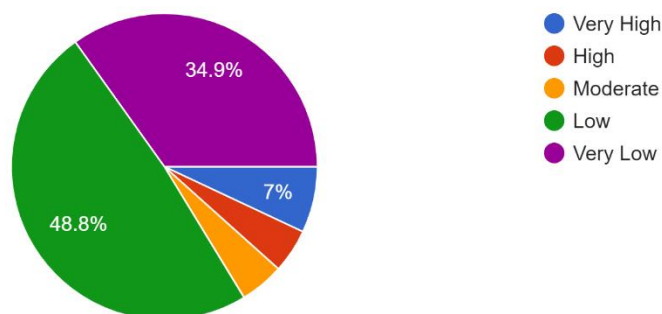


Analysis: Every participant gave their consent in participating in the survey.

- **How would you rate your level of awareness about clean energy technologies?**

How would you rate your level of awareness about clean energy technologies?

43 responses

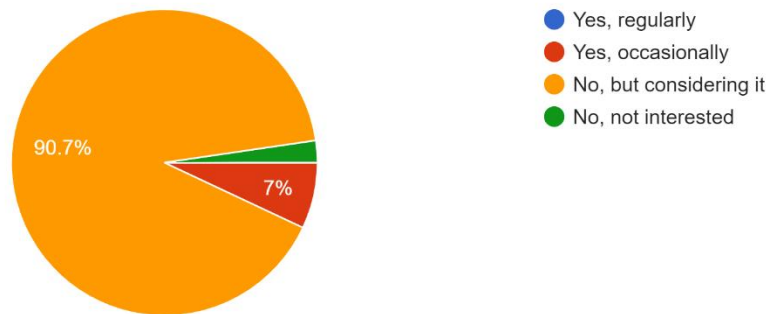


Analysis: Majority rated their awareness as low to moderate, indicating a need for awareness campaigns toward the uptake of clean energy technologies.

- **Have you personally used any clean energy sources in your household or community?**

Have you personally used any clean energy sources in your household or community?

43 responses

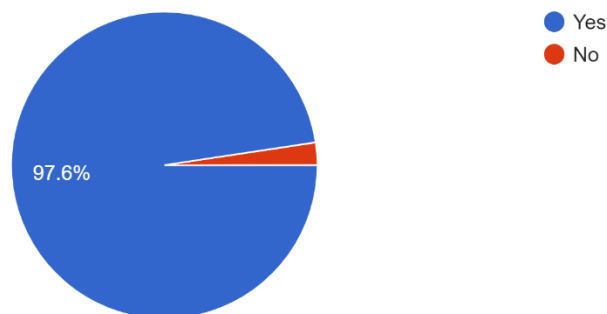


Analysis: Many respondents have not personally used clean energy sources but are considering it.

- **How does access to reliable energy (electricity or cooking fuel) impact your daily life and health management?**

How does access to reliable energy (electricity or cooking fuel) impact your daily life and health management?

42 responses



Analysis: Majority of participants indicate that reliable energy access creates a positive impacts on their daily life and health management.

- **Have you faced challenges accessing energy for medical devices or medications?**
Please describe.

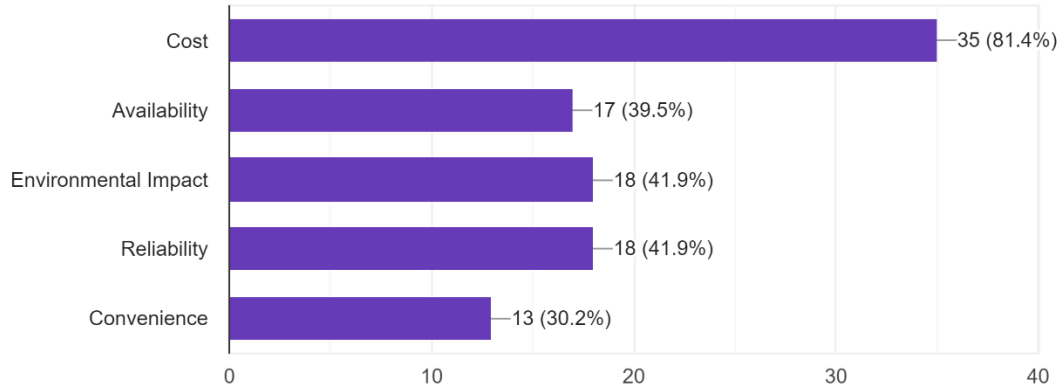
Yes
No
Oxygen cylinder
Head aches with eyes running due to the smoke
Low coal pot
It doesn't last long
Being about from using traditional cookstove
In lighting the fire
Yes, too much smoke affect the eyes
Yes too much smoke
Yes, eye sight burs due to too much of smoke
Yes, turning of head
Yes, high blood pressure due to local stove cooking
Yes, too much of smoke have resulted to my eye problem
Yes, too much smoke
Yes, too much of smoke affect my eyes
Yes
No
Oxygen cylinder
Head aches with eyes running due to the smoke
Low coal pot
It doesn't last long
Being about from using traditional cookstove

Analysis: A few respondents faced challenges accessing energy for medical devices or medications of which they indicated challenges such as problems with eyesight, too much smoke, durability of the products and head aches as few of the medical challenges they continuously face.

- **What are the main factors that influence your decision to use or not use clean energy sources?**

What are the main factors that influence your decision to use or not use clean energy sources?

43 responses

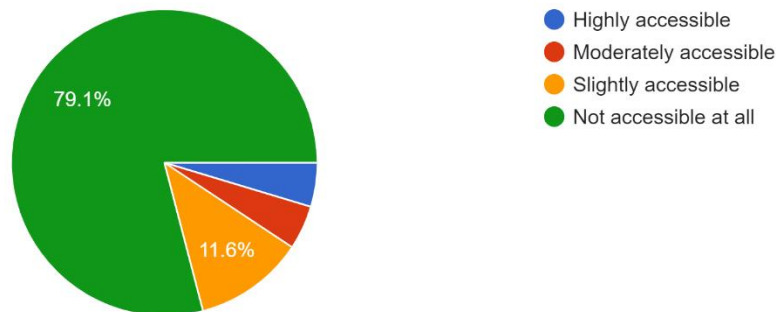


Analysis: Majority pointed out that the cost is the major factor in their decision to use clean energy sources as well as the availability, its environmental impact, how reliable the products are and its convenience.

- **How accessible do you find clean energy options in your area?**

How accessible do you find clean energy options in your area?

43 responses

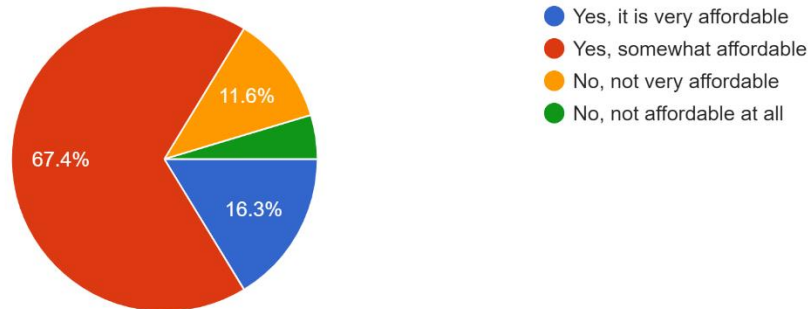


Analysis: 79.1% of participants responded that clean energy options are highly accessible in their local area.

- **Do you believe that clean energy sources are affordable for most people in your community?**

Do you believe that clean energy sources are affordable for most people in your community?

43 responses

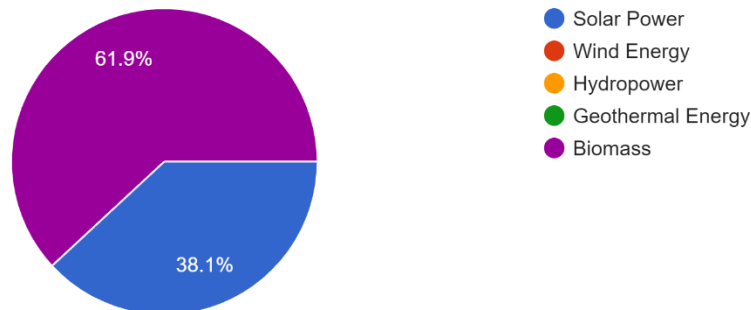


Analysis: 67.4% of participant responded by clean energy options are perceived as not very accessible but somewhat affordable.

- **Which clean energy sources do you believe are most effective in reducing environmental impact?**

Which clean energy sources do you believe are most effective in reducing environmental impact?

42 responses

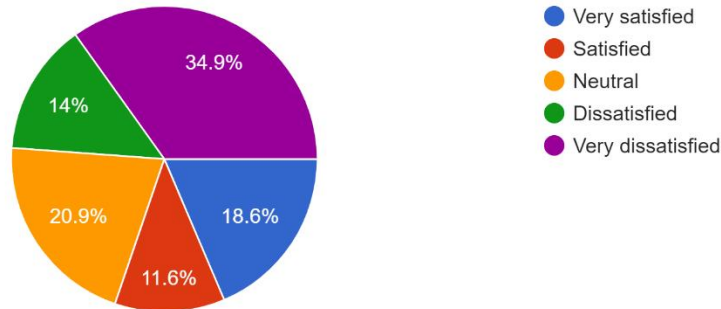


Analysis: Majority of the responders indicated that solar power and biomass are perceived as the most effective clean energy sources. However, 61.9% indicate that the use of biomass over 38.1% indicate the use of solar power are most effective in reducing environmental impacts.

- **How satisfied are you with the current availability of clean energy initiatives in your area?**

How satisfied are you with the current availability of clean energy initiatives in your area?

43 responses

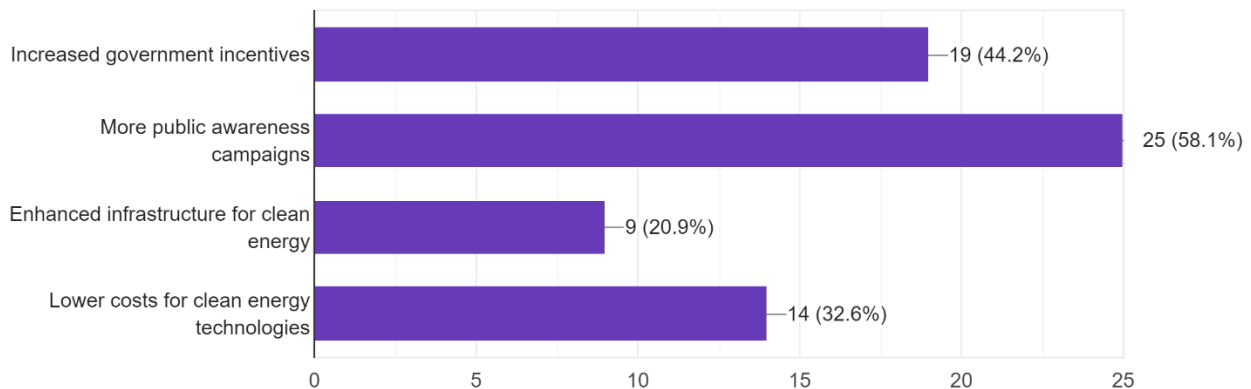


Analysis: The participant indicated that vary level of satisfaction, but many respondents are dissatisfied and seek improvements.

- **What improvements do you think could enhance access to clean energy in your community?**

What improvements do you think could enhance access to clean energy in your community?

43 responses

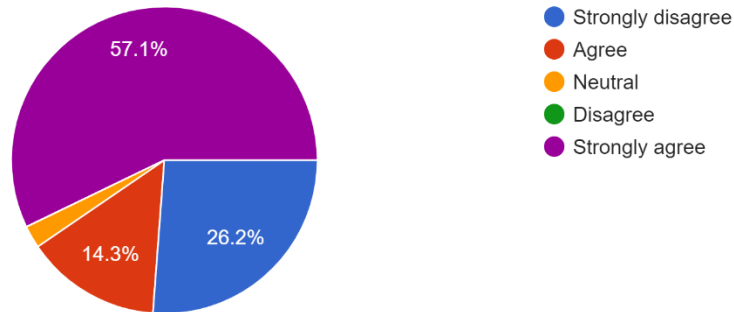


Analysis: Participant recommended include increased government incentives, public awareness campaigns, and enhanced infrastructure. Though many indicated that with an increase public awareness campaign will enhance access to clean energy in their community.

- **How do you think improving access to energy could positively impact your quality of life and health outcomes?**

How do you think improving access to energy could positively impact your quality of life and health outcomes?

42 responses

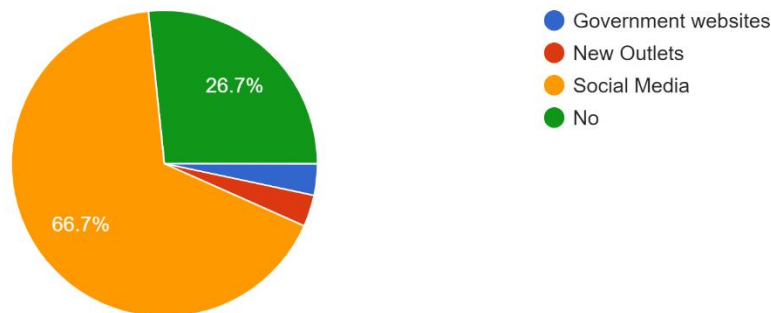


Analysis: Respondents believe that they strongly agree that improving energy access would positively impact their quality of life and health outcomes.

- **What is your primary source of information about clean energy technologies?**

What is your primary source of information about clean energy technologies?

30 responses

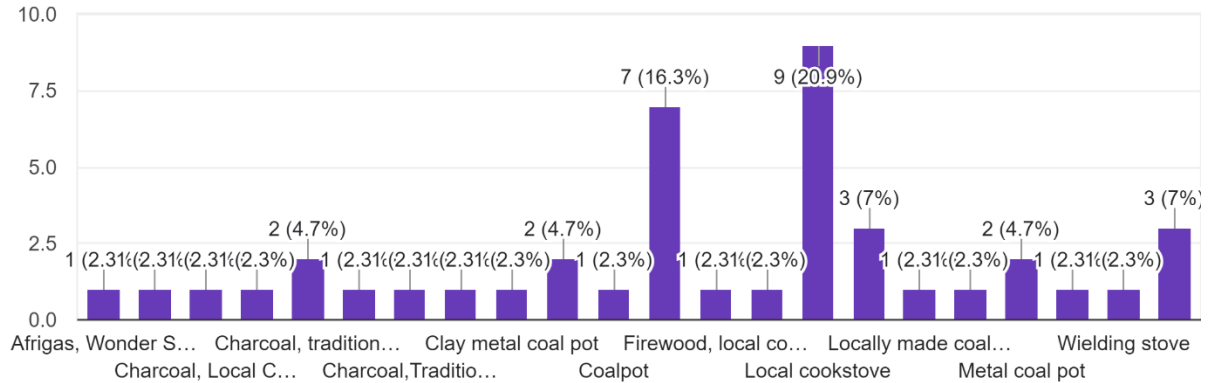


Analysis: Many respondents indicated that social media is their primary source of information in access clean cooking.

- **What types of energy sources do you currently use for cooking, heating, and lighting?**

What types of energy sources do you currently use for cooking, heating, and lighting?

43 responses

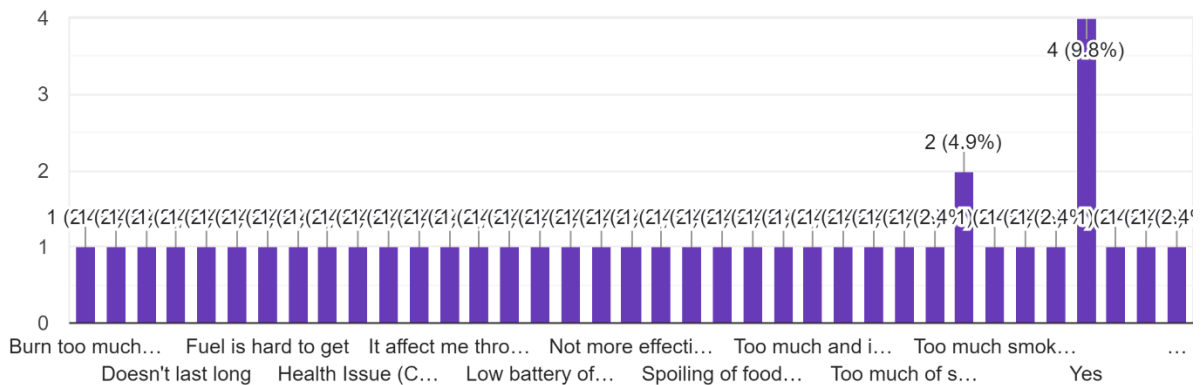


Analysis: Participant indicated that biomass, firewood (three stone fire) charcoal, and traditional cookstoves (Clayed and Unclayed stove, metal stove, metal wired stove) are commonly used in performing their cooking, heating and lighting.

- **How often do you experience interruptions in your energy supply? How does this affect you?**

How often do you experience interruptions in your energy supply? How does this affect you?

41 responses

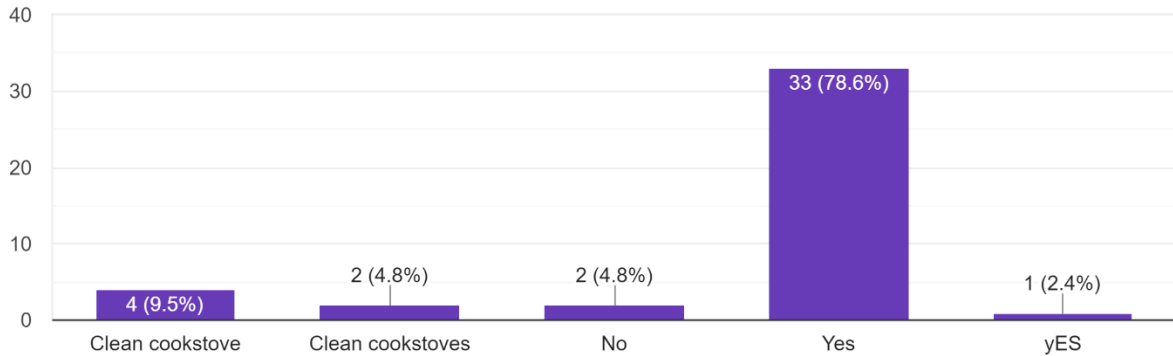


Analysis: Energy supply interruptions are frequent and greatly affect respondents especially being interrupted by accidental burnt, fuel being hard to source and too much smoke

- Are you aware of energy-efficient technologies that could benefit you? (e.g., solar lamps, clean cookstoves, tree planting).

Are you aware of energy-efficient technologies that could benefit you? (e.g., solar lamps, clean cookstoves, tree planting).

42 responses

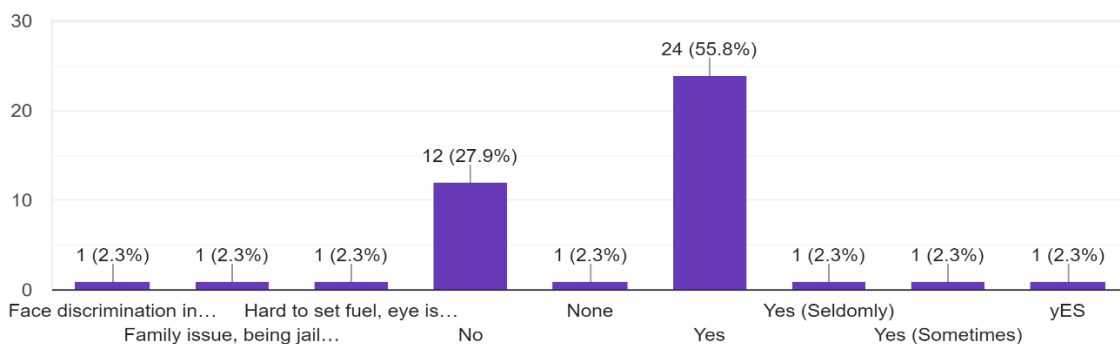


Analysis: Many respondents are aware of energy-efficient technologies but may not have access to them

- Have you faced any discrimination or difficulties in accessing energy services due to your HIV/AIDS status?

Have you faced any discrimination or difficulties in accessing energy services due to your HIV/AIDS status?

43 responses



Analysis: Some respondents faced discrimination or difficulties due to their HIV/AIDS status such as family issues, being jailed, stigmatizes.

- **What support or resources do you think would help you better access and utilize energy services?**

To be trained
Need more improve cookstove
Training
Provisions of improve cookstove
Government incentives
Would like to know how to produce and manufacture such clean cook product
Teaching me skills
To learn how to produce clean cookstove that will make me more respectful
To learn the skill
Provision of more cookstove
Would like to learn how to manufacture and sell cookstove
By training about energy services
Would like to learn how to produce and sell cookstove
The ability to learn will help me with better access
To learn on how to product such energy services
To learn access and gain skills in production of such products
To learn how to produce improve cookstove will improve my livelihood
Provision of improve cookstove
Training and Raising Awareness
Training and raising awareness
Lowering the cost
Provision of Improve Cookstove
Capacity building and provision of more improve cookstove
Provisions of more clean energy cook stove
Provisions of more clean cookstove
Provision of clean cookstove
Support of clean cook stove
Capacity building on production of clean cook stove
Provision of more clean cookstove
Through provision of more clean cookstove
Government incentives Lower the cost Raise Awareness
Lower the cost
Awareness campaigns Lower the cost
To be trained

Need more improve cookstove
Training
Provisions of improve cookstove
Government incentives
Would like to know how to produce and manufacture such clean cook product
Teaching me skills
To learn how to produce clean cookstove that will make me more respectful

Analysis: Respondents expressed a need for training, capacity building, and provision of clean energy products.

4.1 Survey Result Summary:

- Respondents generally have low to moderate awareness of clean energy technologies.
- Clean energy options are perceived as somewhat accessible but not very affordable.
- Cost, availability, and environmental impact are major factors influencing the decision to use clean energy.
- Many respondents face challenges accessing reliable energy for medical needs.
- Energy supply interruptions are frequent and significantly affect respondents' daily lives.
- There is a strong desire for increased government incentives, public awareness campaigns, and enhanced infrastructure to improve access to clean energy.

4.2 Recommendations:

- **Government Intervention:**
 - Increase incentives for clean energy adoption to make it more affordable.
 - Invest in infrastructure development to enhance energy accessibility.
- **Public Awareness Campaigns:**
 - Launch extensive awareness campaigns to educate communities about clean energy benefits and usage.
- **Capacity Building:**
 - Provide training and support for the production and distribution of clean energy technologies.
- **Healthcare Support:**

- Ensure reliable energy access for medical facilities and devices, especially for vulnerable populations.
- **Community Engagement:**
 - Involve communities, including those living with HIV/AIDS, in decision-making processes to address energy access challenges.
- **Research and Innovation:**
 - Encourage research and innovation in energy-efficient technologies to meet diverse community needs.
- **Financial Assistance:**
 - Offer financial assistance or subsidies for clean energy products, particularly for low-income households.
- **Partnerships:**
 - Foster partnerships between government, NGOs, and private sectors to facilitate the implementation of clean energy initiatives.

By implementing these recommendations, stakeholders can work towards improving access to clean energy, thereby enhancing the quality of life and health outcomes for communities, including vulnerable populations.



5. Conclusion

In conclusion, the validation meeting for the "Creating Equal Access to Clean Energy and Climate Adaptation for Vulnerable Women" project held on 27th March 2024 was a significant step towards addressing the energy access challenges faced by vulnerable women in Sierra Leone. The meeting provided valuable insights into the needs and concerns of the target beneficiaries, laying the foundation for effective interventions.

The discussions highlighted the urgent need to enhance access to clean energy technologies, particularly improved cookstoves, to mitigate the adverse effects of traditional cooking methods on the health and well-being of vulnerable women. The challenges identified, such as high costs, fuel inefficiencies, and health hazards, underscored the importance of tailored solutions to address these issues comprehensively.

The recommendations arising from the breakout sessions and survey analysis offer a roadmap for future actions. Collaborative efforts involving government intervention, public awareness campaigns, capacity building, healthcare support, community engagement, research, innovation, financial assistance, and partnerships are essential to improving access to clean energy and enhancing the quality of life for vulnerable women.

Moving forward, the next step would be the identification and selection of vulnerable women to participate in the training program. From the 48 participants, the best 20 candidates will be chosen based on their willingness to participate, level of need, and potential for impact. These selected participants will undergo training on the production of improved cookstoves, lessons on business start-up, and tree planting exercises.

By implementing these interventions, stakeholders can make significant strides towards achieving the project's overarching goal of creating equal access to clean energy and climate adaptation measures for vulnerable women in Sierra Leone. Through concerted efforts and targeted interventions, we can empower women, improve livelihoods, and contribute to sustainable development and climate resilience in the region.

6. Appendix

6.1 Event Pictorial Evidence





6.2 Breakout session on the participant Challenges and Opportunities face while cooking – Vanguard Evidence

Challenges	Solutions
1) Poor health condition while using fire wood & eye problem	To use a Cool Port while cooking
2) un healthy food by smoke kshis	To learn how to make cooking coal port to reduce the exposure.
3) Cost of Coal or wood in charcoal is expensive and not lasting	Find a conducive place to cook with a coal port even if it is too late to avoid insect etc
4) Delay in cooking food by because of wet coal or wood during raining season	
5) Lack of advise and tiredness	

Challenges	Solutions
1. The Coal is too expensive	The price should be reduced.
2. The Stove is too expensive	The price must be minimal.
3. Some stove are not long lasting	The product must be durable so that it's should last long.
4. Some stove use enough / plenty of charcoal, force you to spend more / huge money.	The product should be prepared in a way that we should use less amount of charcoal / money.
5. During the raining season the coal is wet and it is difficult to use.	We need to buy early if possible during the dry season to avoid delayed.

Challenges	Solutions
1. Consume too much charcoal when cooking.	To produce a model that will manage charcoal
2. our normal coal pot spill easily and faster due to poor production.	To support or create a stove that will last longer.
3. our normal pan stove produces too much smoke that leads to health hazard.	To create a brand that will not produce smoke at all level.
4. Cost of charcoal is getting expensive everyday	in need of a stove that will manage our charcoal.
5. The price of the coal pot that we are buying at our local communities does not worth it use at all level.	The cost should be worth it use when producing for customers.

Challenges	Solutions
1) Now Coal is expensive	1) Easy and quick way to light coal.
2) Wet Coal is difficult to cook with	2) Less Charcoal
3) It has small heat	3) Spill coal
4) Its makes the kitchen untidy.	

5) Challenges	Solutions
<ul style="list-style-type: none"> 1) Efficient our eyes 2) Challenge of Coal pot 3) Coal Expensive 4) The stove is too expensive 5) during the raining season the coal is too wet 	<ul style="list-style-type: none"> 1) If prices is too expensive 2) The price should be reduced 3) The product must be durable so that it must take a too a long time. 4) They should helping with a stove 5) we need to buy Coal early before it raining

Solution	6) Challenges
<ul style="list-style-type: none"> 1) we need help to stop that 2) by using Clean Strong cold pot 3) as for us we need help I blind prog 4) that we need smart green stove 5) that day was so sad for us at home. 	<ul style="list-style-type: none"> 1) We change gas we are face in front 2) It give us hight blood Pergeo 3) It get broke between two month 4) It also give eye sit Problem 5) When we are cooking our get burnt. At home

7) Challenges	Solutions
<ul style="list-style-type: none"> 1) Wet wood / raw wood 2) mental Coal Pot 3) Local Coal Pot 4) Expensiveness of the coal 	<ul style="list-style-type: none"> 1) it possible to buy early before it raining to less the delay and strainfulness 2) need of customise Coal Pot to make the less use of the coal (energy) 3) we need Strong one that will last for a long time to minimize money 4) The Coal Pot should be very well okay to keep the coal to last long and give heatness

8) Challenges	Solutions
<ul style="list-style-type: none"> 1) Wet Cole 2) Cole Put no Storing 3) Wet wood 4) Pan Cole put 5) May we left the Cole put. At door They Kuch borber they there 	<ul style="list-style-type: none"> 1) We want long last Cole put 2) long last Cole put 3) Storing Cole put 4) Cole expence so want Cole put we do a margin the Cole 5) pled to the women energy to help us we want put Cole Storing

9) Challenges	Solutions
<ul style="list-style-type: none"> 1) Wood - It normally causes health Problem (Eye Sight) 2) It also cause a lot of smoke in the house which cause the house to become dirty. 3) It is very much expensive. 4) Sometimes not dry and it's very difficult to use. 	<ul style="list-style-type: none"> 1) These Solution is to advise women to stop using it, and educate them on how to use the wonder Stove. women should stop using. 2) We are Pleading to the government to empower women in making the wonder Stove. 3) We are Pleading to the People that Produced firewood to dry them well before Selling them.

10) Challenges	Solutions
<ul style="list-style-type: none"> 1) Firewood challenges -> sometime not dry and it very difficult to light fast. 2) Pan Coal pot challenges -> sometime when we buy iron coal at stark which can usually enter into our eye and can cause blindness. 3) Pan Coal pot challenges -> It not too strong and it cant last for long. 4) Firewood challenges -> it bring out too much of smoke which cant cause blackness to the walls of the house and smoke too much smoke to clear cloth 5) Pan Coal pot challenges -> expensive of coal and the for man cant buy it. 	<ul style="list-style-type: none"> 1) Solutions -> We are Pleading to the people that Produced firewood to dry their wood well before selling it. 2) Solutions -> Stop the selling of iron coal which stark at. 3) Solutions -> We are also Pleading for a strong and better coal pot which can last for long period. 4) Solutions -> open Place like kitchen which can prevent our cloth from smoke and walls of our house 5) We are Pleading for the Marketer to sell their coal in affordable price for cut the poor.